



**PHASE I AND II ENVIRONMENTAL
SITE ASSESSMENT REPORT**

**KISSIMMEE FIELD STATION
80 SOUTH HOAGLAND BOULEVARD
KISSIMMEE, OSCEOLA COUNTY,
FLORIDA**

**SAINT CLOUD ANNEX
4175 EDSEL AVENUE
SAINT CLOUD, OSCEOLA COUNTY,
FLORIDA**

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ACKNOWLEDGEMENT OF RESULTS

This report has been prepared for the exclusive use of the South Florida Water Management District (District), its affiliates, lenders, and insurers. URS Corporation (URS) acknowledges that the Client, its affiliates, lenders, and insurers, may rely on this report in connection with financing, insuring and acquiring the Site. Photocopying of this document, in part or in whole, by parties other than those designated by the Client, or use of this document for purposes other than it is intended, is prohibited. Anyone relying upon this report is subject to the same limitations and conditions as the Client as stated in the Agreement for Professional Services ("Agreement") between URS and the Client, dated March 14, 2006, and this report. In addition, this Report is time dependent and use or reliance upon said Report after 180 days from the date of the Report is limited to the circumstances described in ASTM E1527-05 Standard Practice for Environmental Site Assessments. Photocopying of this document, in part or in whole, by parties other than those designated by the Client, or use of this document for purposes other than it is intended, is prohibited.

Respectfully submitted this 10th day of October 2008.

URS Corporation



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EXECUTIVE SUMMARY

URS Corporation (URS) was retained by the South Florida Water Management District (District) to conduct a Phase I/Phase II Environmental Site Assessment (ESA) of the Kissimmee Field Station and Saint Cloud Annex, totaling approximately 5.35-acres and 1.15-acres, respectively, herein referred to as the subject property(s). The Kissimmee Field Station is located at 80 South Hoagland Boulevard, Kissimmee, Florida which is situated south of Fifth Street and east of South Hoagland Boulevard. The Saint Cloud Annex is located at 4175 Edsel Avenue, Saint Cloud, Florida which is situated east of Edsel Avenue and north of Quail Roost Road. It is URS' understanding that the District plans to relocate the Kissimmee Field Station operations to a new location, and discontinue operations at the Saint Cloud Annex. Prior to ceasing operations on the properties, the District wants to document the soil and groundwater quality at potential point sources on each of the properties.

The Kissimmee Field Station is located in Section 19, Township 25 South, Range 29 East. The Kissimmee Field Station is approximately 5.35-acres in size and consists of administrative buildings, two open-air buildings used for maintenance and equipment/machinery storage, a chemical storage building, a boneyard and a re-fueling area with underground storage tanks. The Saint Cloud Annex is located in Section 1, Township 27 South, Range 30 East. The Saint Cloud Annex is approximately 1.15-acres in size and consists of a combination administration office/chemical storage building, chemical staging area, and a vehicle storage area.

This project was conducted in accordance with URS' proposal, dated July 14, 2008, to Mr. Jeffrey Smith, Lead Environmental Scientist – Operations and Maintenance of the South Florida Water Management District.

The Phase I ESA was performed in general accordance with the ASTM "Standard Practice for Site Assessments" Standard Practice for Environmental Site Assessments (Standard E1527-05) and the United States Environmental Protection Agency (USEPA) 30 CFR Part 12 Standards and Practices for All Appropriate Inquiries (AAI) – Final Rule approved November 1, 2005. Any exceptions to, or deletions from, this practice are described in Sections 1.1, 1.2, 1.3, and 1.4 of this report. The assessment was conducted by URS in response to authorization by Mr. Jeffrey Smith of the South Florida Water Management District (the "Client"). The report was completed and reviewed by the following team members, whose resumes are found in **Appendix A**:

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The purpose of the Phase I was to evaluate the historical and present use and activities on or near the subject property(s) which may have resulted in the contamination by hazardous substances, including petroleum and agrochemicals, which may represent a “Recognized Environmental Concern”. The Phase II ESA was conducted concurrent with the Phase I ESA to evaluate those areas determined to be a Recognized Environmental Concern by soil and groundwater sampling and laboratory analysis. These samples were analyzed for potential impacts through handling and use of hazardous substances or materials. The soil and groundwater analytical results were reviewed from the Phase II ESA to evaluate the necessity for additional assessment and/or corrective actions.

During the Phase I investigation and taking into consideration the intended use of the subject property the following areas were considered Recognized Environmental Concerns:

Kissimmee Field Station

- Maintenance Bays
- Former Hydraulic Lift
- Vehicle Wash Down Area
- Chemical Storage Building
- Open Air Storage Building
- Surface Water Runoff – South Side of Lot
- Truck Wash Down Area
- Underground Storage Tank (UST) Area
- Former Underground Storage Tank (UST) Area

Saint Cloud Annex

- Herbicide Container Staging Area
- Chemical Storage Building

As part of the Phase II ESA investigation soil and groundwater sampling were performed in the above referenced areas of potential concern in order to determine the presence or absence of contamination from hazardous substances and waste due to historical or current land use. During the Phase II ESA conducted at the Kissimmee Field Station, a total of 33 soil borings were advanced and 10 temporary Geoprobe[®] well points were installed resulting in the collection of 13 soil samples, 5 confirmation soil samples, 10

groundwater samples, and 4 confirmation groundwater samples. During the Phase II ESA conducted at the Saint Cloud Annex, a total of 7 soil borings were advanced, 1 temporary Geoprobe® well point was installed, and potable water well was sampled resulting in the collection of 2 soil samples, 2 confirmation soil samples, 2 groundwater samples, and 2 confirmation groundwater samples.

Soil and groundwater samples collected from the Kissimmee Field Station Maintenance Bays, Former Hydraulic Lift, Vehicle Wash Down Area, Open Air Storage Building, Surface Water Runoff – South Side of Lot, Truck Wash Down Area, Underground Storage Tank (UST) Area, and Former UST area were analyzed for petroleum hydrocarbons. The soil and groundwater sample collected from the Kissimmee Field Station Chemical Storage Area was analyzed for organochlorine and organophosphorous pesticides, chlorinated herbicides, and arsenic. The soil and groundwater samples collected from the Saint Cloud Annex were analyzed for chlorinated herbicides and arsenic.

The Phase II was conducted in order to evaluate potential impacts to the soil and groundwater associated with the current routine vehicle maintenance and storage of petroleum/agrochemical products at the Kissimmee Field Station and the current storage of agrochemicals at the Saint Cloud Annex as well as historical land uses. The following are the results of the Phase II ESA and URS' conclusions and recommendations:

KISSIMMEE FIELD STATION

Maintenance Bays

- Two soil samples MB-SB1(0-2) and MB-SB4(2-4) exhibited low TRPH concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. No petroleum constituents were identified in the groundwater sample collected at the Maintenance Bays.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Maintenance Bays.

Former Hydraulic Lift

- Two soil samples FHL-SB2(0-2) and DUP-5 exhibited low chromium concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Method 8100, TRPH, cadmium, and lead, were BDL. Groundwater samples FHL-WP1 and DUP-6 exhibited low chromium concentrations below applicable GCTLs. The remaining parameters analyzed, EPA Method 8100, TRPH, cadmium, and lead, were BDL.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Former Hydraulic Lift.

Vehicle Wash Down Area

- Two soil samples VW-SB1(0-2) and DUP-7 exhibited low TRPH concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. No petroleum constituents were identified in the groundwater samples collected at the Vehicle Wash Down Area.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Vehicle Wash Down Area.

Chemical Storage Building

- One soil sample CS-SB1(0-2) exhibited a low arsenic concentration below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8081, 8141, and 8151, were BDL. No pesticide or herbicide constituents were identified in the groundwater sample collected at the Chemical Storage Building.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Chemical Storage Building.

Open Air Storage Building

- Two soil samples OAS-SB1(0-2) and DUP-9 exhibited low TRPH concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. No petroleum constituents were identified in the groundwater sample collected at the Open Air Storage Building.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Open Air Storage Building.

Surface Water Runoff – South Side of Lot

- One soil sample SWR-SB1(0-2) exhibited a low TRPH concentration below applicable SCTLs. There was no groundwater samples collected at the Surface Water Runoff – South Side of Lot area.
- Based on the soil analytical results, URS recommends that no additional assessment is warranted with respect to the soil quality at the Surface Water Runoff – South Side of Lot area.

Truck Wash Down Area

- One soil sample TW-SB1(0-2) was collected from the Truck Wash Down Area. The parameters analyzed, EPA Method 8021, TRPH, and lead, were BDL. Groundwater samples TW-WP1 exhibited a low TRPH concentration below applicable GCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Vehicle Wash Down Area.

Underground Storage Tank (UST) Area

- One soil sample UST-SB2(0-2) exhibited a low TRPH concentration below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8021 and 8100, were BDL. No petroleum constituents were identified in the groundwater samples collected at the Underground Storage Tank Area.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Underground Storage Tank Area.

Former Underground Storage Tank (UST) Area

- Two soil samples FUST-SB3(2-4) and DUP12 exhibited low TRPH concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8021 and 8100, were BDL. Groundwater samples FUST-WP1 exhibited a low TRPH concentration below applicable GCTLs. The remaining parameters analyzed, EPA Method 8021, EPA Method 8100, and lead, were BDL.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Former Underground Storage Tank Area.

SAINT CLOUD ANNEX

Herbicide Container Staging Area

- One soil sample SA-SB3(0-2) exhibited a low arsenic concentration slightly below the Residential SCTLs. The duplicate sample, DUP-3, collected from the same location exhibited arsenic at 2.92 mg/kg, which is slightly above the Residential SCTL of 2.1 mg/kg. The herbicide

constituents were BDL for both soil samples. No arsenic or herbicide constituents were identified in the groundwater sample collected at the Herbicide Container Staging Area.

- Based on the laboratory analytical results, there is a potential for low arsenic concentrations through the Herbicide Container Staging Area. However, there is no arsenic or herbicide constituents present in the groundwater above applicable GCTLs.
- **Slightly elevated arsenic concentrations were exhibited in one soil sample. URS recommends that the soil in the area be evaluated with respect to arsenic. An additional 10 soil samples should be collected and analyzed for arsenic to determine if elevated arsenic is present in the soil at the Site.**

The cost for the additional assessment is **\$3,965**. The cost table associated with a breakdown of the additional assessment is included in **Appendix N**.

Chemical Storage Building

- Two soil samples CSB-SB1(0-2) and DUP-2 exhibited low arsenic concentrations below applicable SCTLs. The remaining parameter analyzed, EPA Method 8151, was BDL. Two groundwater samples CSB-WP1 and DUP-1 were collected from potable water well located approximately 45 feet north of the Chemical Storage Building and sampled for arsenic by EPA Method 6020B and by EPA Method 8151. No arsenic or herbicide constituents were identified in the groundwater sample collected from the potable water well at the Chemical Storage Building.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Chemical Storage Building.

1.0 INTRODUCTION

URS Corporation (URS) was retained by the South Florida Water Management District (District) to conduct a Phase I/Phase II Environmental Site Assessment (ESA) of the Kissimmee Field Station and Saint Cloud Annex, totaling approximately 5.35-acres and 1.15-acres, respectively, herein referred to as the subject property(s). The Kissimmee Field Station is located at 80 South Hoagland Boulevard, Kissimmee, Florida which is situated south of Fifth Street and east of South Hoagland Boulevard. A General Site Vicinity Map is provided as **Figure 1**. The Saint Cloud Annex is located at 4175 Edsel Avenue, Saint Cloud, Florida which is situated east of Edsel Avenue and north of Quail Roost Road. A General Site Vicinity Map is provided as **Figure 2**.

It is URS' understanding that the District plans to relocate the Kissimmee Field Station operations to a new location, and discontinue operations at the Saint Cloud Annex. Prior to ceasing operations on the properties, the District wants to document the soil and groundwater quality at potential point sources on each of the properties. This Phase I/II ESA was conducted in accordance with URS' proposal, dated July 14, 2008, to Mr. Jeffrey Smith, Lead Environmental Scientist – Operations and Maintenance of the District. The project purpose, scope, and limitations are described below.

1.1 OBJECTIVE

1.1.1 Phase I Environmental Site Assessment

The purpose of the Phase I ESA was to evaluate environmental concerns or issues that may be associated with the aforementioned properties. Such environmental concerns or issues are subsequently referred to in this report as a "Recognized Environmental Condition" (REC) in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (Standard E1527-05).

1.1.2 Phase II Environmental Site Assessment

The purpose of the Phase II ESA is to further evaluate areas of potential environmental concern that may be associated with present or past land use by performing limited soil and groundwater sampling. The Phase II ESA was conducted in conjunction with the Phase I ESA to expedite completion of the site project. Phase II ESA activities included the collection of soil and groundwater samples from the areas of potential concern identified during the Phase I ESA and laboratory analysis of collected samples, and evaluation of the assimilated data.

1.1.3 Special Terms and Conditions

This report was prepared in general conformance with the United States Environmental Protection Agency (USEPA) 30 CFR Part 12 Standards and Practices for All Appropriate Inquiries (AAI) – Final Rule approved November 1, 2005 and the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments Standard E1527-05.

The ASTM Standard E1527-05 was established and updated to reflect industry requirements brought about by the “All Appropriate Inquiry” obligations under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, a.k.a. the Superfund Law), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA); the Asset Conservation, Lender Liability, and Deposit Insurance Protection Act of 1996 (Lender Liability Amendments); and Small Business Liability Relief and Brownfields Revitalization Act of 2001 (Brownfields Amendments).

The goal of the ASTM Standard is to identify RECs. By definition under ASTM designation E1527-05, the term “recognized environmental condition” is defined as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

The USEPA Rule on All Appropriate Inquiry (AAI) was developed to establish landowner liability protections to property owners under CERCLA as innocent landowners, bona fide prospective purchasers, and/or contiguous property owners. The Rule expands the records review requirements by increasing the search distances beyond the recently superseded ASTM Standard E1527-05, incorporating mandatory searches for engineering and institutional controls, and mandatory review of local government and tribal records. The records review also requires a search of reasonable ascertainable land title and lien records to identify environmental liens or activity and use limitations, if any that are recorded against the property.

The historical sources review requires that a search of the property to go as far back in history as reasonably ascertainable prior to the property containing structures or its first use for residential, agricultural, commercial, industrial, or governmental purposes or at least 1944. Data gaps identified for the property will be identified and their significance reported. The AAI Rule also requires taking into account commonly known or reasonably ascertainable information within a local community. AAI requires that inquiries be conducted by an environmental professional, which is specifically defined within the Rule. The Phase I ESA will remain valid for 180 days.

1.2 SCOPE OF WORK

The Phase I ESA included a site reconnaissance of the subject properties, a review of federal and state environmental databases and related agency information for the sites and surrounding properties, interviews with owner representatives and regulatory agency contacts, historical aerial photograph review, a review of published geologic information, and other related items. This information was used to evaluate existing or potential environmental impairment at the sites due to current or past land use.

The Phase I ESA scope of work included the following items:

- Conduct field inspections of the subject property(s) to identify hazardous or toxic materials used or stored on site; and identify stressed vegetation or areas of disturbance that may indicate areas of past on-site disposal or use;
- Interview current tenants or owners having knowledge of current and/or past operations or construction activities;
- Review available aerial photographs to evaluate current and historical land use for the site(s) and adjacent properties;
- Inspect possible agrochemical storage areas/equipment storage areas and potential discharge areas;
- Review commercially available environmental databases;
- Observations of regional land use within ½-mile of the subject property, including readily visible conditions posing significant environmental concerns to the site(s);
- Review appropriate environmental agency information pertaining to the site(s) (if available in a timely manner).

Kissimmee Field Station

The Phase II ESA scope of work included the following items:

- Advancement of 33 soil borings;
- Collection of 13 soil samples;
- Collection of 5 duplicate soil samples;
- Installation of 10 temporary Geoprobe® well points;
- Collection of 10 groundwater samples;
- Collection of 4 duplicate groundwater samples.

Saint Cloud Annex

The Phase II ESA scope of work included the following items:

- Advancement of 7 soil borings;
- Collection of 2 soil samples;
- Collection of 2 duplicate soil samples;
- Installation of 1 temporary Geoprobe® well points;
- Collection of 2 groundwater samples;
- Collection of 2 duplicate groundwater samples.

1.3 LIMITATIONS AND EXCEPTIONS OF ENVIRONMENTAL SITE ASSESSMENT

This report and the associated work have been provided in accordance with the principles and practices generally employed by the local environmental consulting profession. This is in lieu of all warranties, expressed or implied.

Discussions of ASTM E1527-05 or AAI data gaps, if any, including sources reviewed, the significance of each data gap, and an opinion if the data gap inhibits the environmental professional's ability to reach an opinion about contamination at the property, are incorporated into the appropriate sections of the report. During this assessment, no significant data gaps were identified during URS' review of historical uses of the Sites.

It should be recognized that this study was not intended to be a definitive investigation of potential contamination at the Site and the recommendations provided are not necessarily inclusive of all the possible conditions. This Phase I ESA is not a regulatory compliance audit or an evaluation of the efficiency of the use of any hazardous materials at the Site. Soil and/or groundwater sampling was conducted during this investigation as part of the Phase II ESA. Sampling for asbestos, radon, lead-based paint, and lead in drinking water was also not performed as part of this Phase I ESA. Given that the Scope of Services for this investigation was limited, it is possible that currently unrecognized contamination may exist at the site.

The conclusions presented in this report are professional opinions based solely upon indicated data described in this report, visual observations of the site and vicinity, and our interpretation of the available historical information and documents reviewed, as described in this report. Unless URS has actual knowledge to the contrary, information obtained from interviews or provided to URS by the Client has been assumed to be correct and complete. URS does not assume any liability for information that has been misrepresented to us by others or for items not visible, accessible, or present on the Site during the time of the site reconnaissance. The conclusions are intended exclusively for the purpose outlined herein for the site location and project indicated. The Scope of Services performed in execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

Opinions and recommendations presented herein apply to the site conditions existing at the time of our investigation and cannot necessarily apply to site changes of which URS is not aware and has not had the opportunity to evaluate. Changes in the conditions of this property may occur with time due to natural processes or the works of man on the subject site or adjacent properties. Changes in applicable standards may also occur as a result of legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond our control. Opinions and judgments expressed herein are based on URS' understanding and interpretation of current regulatory standards, and should not be construed as legal opinions. **Appendix A** contains the resumes of the professionals that performed the ESA.

1.4 LIMITING CONDITIONS

URS was provided access to the entire area covered by the subject properties. No conditions that limited URS' ability to complete the Scope of Work were encountered during the performance of the Phase I/II ESA.

2.0 PHASE I ENVIRONMENTAL SITE ASSESSMENT

Mr. Jamie Sullivan (URS) and Mr. Jeffrey Smith (the South Florida Water Management District) conducted a reconnaissance of the Sites on August 27, 2008. Site photographs taken during the Phase I ESA are included in **Appendix B**.

2.1 PHYSICAL LOCATION AND DESCRIPTION OF PROPERTY

2.1.1 Kissimmee Field Station

The Kissimmee Field Station is located in Kissimmee, Osceola County, Florida (**Figure 1**) just west of the Kissimmee Municipal Airport and west of South Hoagland Boulevard. The Kissimmee Field Station is located in Section 19, Township 25 South, Range 29 East. The Kissimmee Field Station is approximately 5.35-acres in size and consists of administrative buildings, two open-air buildings used for maintenance and equipment/machinery storage, a chemical storage building, an equipment boneyard and a vehicle re-fueling area with underground storage tanks. **Figure 3** is an aerial photograph of the Site illustrating the property boundary. Photographs taken during URS' site inspection and Phase II ESA activities are provided in **Appendix B**.

2.1.2 Saint Cloud Annex

The Saint Cloud Annex is located in Saint Cloud, Osceola County, Florida (**Figure 2**) just east of Edsel Avenue and north of Quail Roost Road. The Saint Cloud Annex is located in Section 1, Township 27 South, Range 30 East. The Saint Cloud Annex is approximately 1.15-acres in size and consists of a combination administration office/chemical storage building, chemical staging area, and a vehicle storage area. **Figure 4** is an aerial photograph of the Site and illustrates the property boundary. Photographs taken during URS' site inspection and Phase II ESA activities are provided in **Appendix B**.

2.2 ENVIRONMENTAL SETTING

Environmental characteristics including topography, soils, geology and hydrogeology were evaluated based on site observations, published literature and available maps. These environmental characteristics can affect local groundwater flow, surface water flow and the potential for contaminant migration.

2.2.1 Topography

Kissimmee Field Station

The United States Geological Survey (USGS), 7.5 Minute Topographic Quadrangle *Kissimmee* dated 1987, photorevised from 1953, depicts the subject property as nearly level with a gentle slope to the east and west from the central portion of the property at an elevation of approximately 75 feet above mean sea level (M.S.L.). Elevation data are referenced to the National Geodetic Vertical Datum of 1929 (NGVD).

Based on the site reconnaissance and a review of the topographic maps, the subject property is flat with a very gradual slope to the east and west from the central portion of the property.

Saint Cloud Annex

The United States Geological Survey (USGS), 7.5 Minute Topographic Quadrangle *Saint Cloud South* dated 1980, photorevised from 1953, depicts the subject property as nearly level with a gentle slope to the southeast at an elevation of approximately 66 feet above M.S.L.. Elevation data are referenced to the NGVD of 1929. Based on the site reconnaissance and a review of the topographic maps, the subject property is flat gradual slope from northwest to southeast towards the east binding canal.

2.2.2 Soils

Kissimmee Field Station

The United States Department of Agriculture (USDA), *Soil Conservation Service Soil Survey of Osceola County, Florida* (issued 1979) and the United States Department of Agriculture - Natural Resources Conservation Services (NRCS), indicates that the surficial soils at the subject property are primarily Bassinger fine sands. The following is a brief description of the soil located on the subject property. A USDA NRCS soil report from the Web Soil Survey website is included in **Appendix C**.

Bassinger fine sand is a nearly level, poorly drained and very poorly drained soil. These soils are located on low flatwoods and in sloughs, depressions, and drainage ways in the county. The surface layer of the soils is dark gray fine sand 6 inches thick. The subsurface layer is light gray and light brownish gray to a depth of 24 inches. The subsoil to a depth of 52 inches is brown fine sand. The remainder of the subsoil to a depth of 80 inches consists of light brownish gray and grayish brown fine sand and loamy sand. The available water capacity is low due to permeability being rapid. The water table is 12 to 40 inches for most of the year except the rainy season, which elevates the water table to within 12 inches of the surface.

Saint Cloud Annex

The USDA, *Soil Conservation Service Soil Survey of Osceola County, Florida* (issued 1979) and the USDA NRCS, indicates that the surficial soils at the subject property are primarily the Bassinger fine sand (depressional), the Myakka fine sand, and the Smyrna fine sand. The following is a brief description of the major soils located on the subject property. A USDA NRCS soil report from the Web Soil Survey website is included in **Appendix C**.

Bassinger fine sand, depressional is a very poorly drained, sandy soil found in wet depressions. The surface layer is typically very dark gray fine sand to a depth of 6 inches. The subsurface layers include light brownish to light gray to dark gray sand to a depth of 48 inches. The subsoil to a depth of 80 inches consists mainly of dark grayish brown and grayish brown sand. The available water capacity is low due to permeability being rapid. Internal drainage is very slow because of the high water table. The soil is ponded for 4 to 6 months each year.

Myakka fine sand is a nearly level, poorly drained soil is in low, broad, flatwood areas. The surface layer is black fine sand to a depth of 4 inches. The subsurface layer to a depth of 24 inches consists of light gray to light brownish gray sand. The subsoil is a black to dark brown sand to a depth of 80 inches. Water capacity is very low with the permeability moderate. The water table is at a depth of 12 inches during the rainy season and between 12 to 40 inches for the remainder of the year.

Smyrna fine sand is a nearly level soil that is poorly drained and generally formed in thick sandy marine deposits. These soils are typically located on the broad flatwoods. Typically the surface layer is dark gray sand about 5 inches thick. The subsurface contains light gray fine sand to a depth of 15 inches. The subsoil to a depth of 35 inches consists of black, dark brown to brown fine sand. The substratum contains three beds. The upper bed to a depth of 45 inches is light yellowish brown fine sand. The middle bed is light gray fine sand to depth of 56 inches. The lower bed extends to 80 inches and is comprised of white fine sand. The available water capacity of is low due to the permeability being moderate to or moderately rapid. Generally the water table is 12 to 40 inches for most of the year except the rainy season, which elevates the water table to within 12 inches of the surface.

2.2.3 Geology and Hydrogeology

The Kissimmee Field Station is located within the Osceola Plain region bound by the Lake Wales Ridge to the west and the Eastern Valley to the East. The regional geology consists of the surficial Caloosahatchee Formation which is comprised of medium to fine grained quartz sands as well as carbonates with varying amounts silty fines. The Caloosahatchee Formation is approximately 75 feet thick beneath the site which unconformably overlies the Hawthorn Group. The Miocene age Hawthorn Group consists of sandy to calcareous and phosphatic clays, clayey sands and sandy to phosphatic carbonates. The Hawthorn Group represents a semi-confining unit between the overlying surficial aquifer and the underlying Floridan aquifer system which is the principle aquifer in Osceola County.

3.0 HISTORICAL SITE AND SURROUNDING PROPERTY CONDITIONS

3.1 CURRENT AND PRIOR OWNERSHIP

3.1.1 Kissimmee Field Station

At the time of the site reconnaissance, the current property owner's representative, Mr. Jeffrey Smith of the District, was interviewed. Mr. Smith supplied URS with general information concerning the total acreage, length of ownership, and potential areas of concern within the subject property. URS also interviewed and subsequently supplied Mr. Larry Russell, Division Director, Kissimmee Field Station with a Phase I Site Assessment General Interview Form which was completed and returned to URS. Mr. Russell has been familiar with the subject property for approximately 8 years. Based on information provided by Mr. Russell the subject property has been owned by the District since November 24, 1965. A chain-of-ownership record was not included in the scope of work for this Phase I/II ESA; therefore, previous ownership is not further noted or discussed.

3.1.2 Saint Cloud Annex

At the time of the site reconnaissance, the current property owner's representative, Mr. Jeffrey Smith of the South Florida Water Management District, was interviewed. Mr. Smith supplied URS with general information concerning the total acreage, length of ownership, and potential areas of concern within the subject property. URS also interviewed and subsequently supplied Mr. Larry Russell, Division Director, Kissimmee Field Station with a Phase I Site Assessment General Interview Form which was completed and returned to URS. Mr. Russell has been familiar with the subject property for approximately 8 years. Based on information provided by Mr. Russell the subject property has been leased by the District since May 14, 1998. The District utilizes the Site to stage vehicles and store herbicides for offsite application. No mixing and loading of the herbicides is conducted at the Site. A chain-of-ownership record was not included in the scope of work for this Phase I/II ESA; therefore, previous ownership is not further noted or discussed. Following the onsite interviews the property owner Mr. Tom Hall was contacted for information regarding the historical use of the property.

According to Mr. Hall the building was constructed in 1968 or 1969. Prior to Mr. Hall's purchase of the property in 1970 the building was used for welding horse trailers. After Mr. Hall acquired the property he continued to use the property for welding horse trailers until 1985. After 1985, Mr. Hall leased the property for one year to a cabinet company. Once the cabinet company terminated the lease the building was vacant until the District leased the property in 1989.

3.2 INTERVIEWS

3.2.1 Kissimmee Field Station

According to Mr. Jeffery Smith the subject property has been utilized primarily for performing routine vehicle cleaning and maintenance, administrative purposes, equipment storage, and chemical storage. Mr. Smith indicated that improvements to the Site included Maintenance Bays, Former Hydraulic Lift, Vehicle Wash Down Area, Chemical Storage Building, Open Air Storage Building, Surface Water Runoff

– South Side of Lot, Truck Wash Down Area, Underground Storage Tank (UST) Area, Former UST Area, and administrative offices.

During the site inspection Mr. Smith identified the location of the former UST area located in the eastern portion of the Site between the Open Air Storage Building and the Maintenance Bays. Mr. Smith indicated that the former USTs consisted of one 2,000-gallon diesel UST, one 1,500-gallon gasoline UST, and one 280-gallon diesel UST. To the best of Mr. Smith's knowledge, the USTs were removed in 1989. According to Mr. Smith, a Contamination Assessment Report, Source Removal, and Quarterly Monitoring was conducted following the removal of the three USTs. During the site inspection Mr. Smith also identified the location of the current USTs as well as the associated dispenser island which are located immediately south of the Open Air Storage Building. The current location of the USTs is easily identified by a concrete pad with three associated covers which includes the submersible turbine pump (STP), Veeder Root, and fill port locations. Mr. Smith also indicated that two, 2,000-gallon steel USTs were removed from the current UST location in 1989 and replaced with two, 4,000-gallon fiberglass USTs containing diesel and unleaded gasoline. Mr. Smith is unaware of any recent discharges that may have occurred at the Site. Additional information concerning the historic and current USTs is discussed in Section 3.4.1.

3.2.2 Saint Cloud Annex

According to Mr. Jeffrey Smith the subject property has been utilized primarily for vehicle storage, chemical storage, and administrative purposes. Mr. Smith indicated that improvements to the Site included an open air storage barn for vehicles and chemical storage building which is also used for administrative purposes. During the interview Mr. Smith also identified a potable water supply well approximately 45 feet north of the chemical storage/administrative building. The potable well was equipped with an inline filtration system and housed in a wooden shed. Mr. Smith did not know the actual depth of the well.

The property owner Mr. Tom Hall was interviewed via telephone. According to Mr. Hall the building was constructed in 1968 or 1969. Prior to Mr. Hall's purchase of the property in 1970 the building was used for welding horse trailers. After Mr. Hall acquired the property, he continued to use the property for welding horse trailers until 1985. During Mr. Hall's ownership he installed a potable well which was permitted by the District under permit number 49-01135-W. After 1985, Mr. Hall leased the property for one year to a cabinet company. During the cabinet company's lease *de minimus* quantities of plywood and glue were stored within the building. Once the cabinet company terminated the lease the building was vacant until the District leased the property in 1989.

3.3 AERIAL PHOTOGRAPHY

Available aerial photographs of the subject property and surrounding areas, obtained from EDR, were reviewed in order to identify historical land use that may have involved hazardous substances and/or petroleum products. Aerial photographs were obtained for the years 1944, 1951, 1958, 1971, 1983, 1990, 1996, and 2005. Digital aerial photographs from 2005 (**Figure 3 and Figure 4**) were obtained from the Microsoft Network (MSN) website. Copies of the historical aerial photographs are provided in **Appendix D**. The following are descriptions and interpretations from the aerial photograph review:

3.3.1 Kissimmee Field Station

Date	Description
1944	<p>Site: A small shed is visible in the northern portion of the Site.</p> <p>Surrounding Properties: There are several dirt roads visible north, east, southeast, and south of the Site. The area west of the Site is undeveloped and improved. Two airport runways are visible to the northeast and southeast of the Site. Several linear excavation pits are located on the southern portion of the northeast runway. Multiple trailers and small structures are visible south and southeast of the Site.</p>
1951	<p>Site: The Site appears unchanged from the previous aerial photograph.</p> <p>Surrounding Properties: The roads with the vicinity of the Site appear more defined. Hoagland Boulevard appears as a dirt road on the eastern portion of the Site. The area west of the Site appears unchanged (undeveloped and unimproved). The two airport runways appear more defined. The linear excavation pits appear to be filled in with structures visible at the terminus of the linear feature. Trailers are still visible south and southeast of the Site; however the small structures are no longer visible. A small area south of the Site appears to have activity with an associated new structure.</p>
1958	<p>Site: The Site appears unchanged from the previous aerial photograph.</p> <p>Surrounding Properties: The roads with the vicinity of the Site appear more defined. The area west of the Site appears unchanged (undeveloped and unimproved). The two airport runways appear more defined. Trailers are still visible south and southeast of the Site. One large structure appears southeast of the Site and one cleared area appears at the western terminus of the northeast runway. The small area south of the Site appears to have more activity with an associated structure and trailer. The remaining surrounding properties appear unchanged from the previous aerial photograph.</p>
1971	<p>Site: The small shed has been removed and the Site has been improved with two linear structures and three cleared areas. Minimal vegetation is visible in the northwest corner of the Site. Access to the Site appears from the east off Hoagland Boulevard.</p> <p>Surrounding Properties: The two structures south of the Site have been removed and replaced with one large trailer. The area south of the Site has also been cleared of vegetation. Several large structures are visible northeast of the Site at the terminus of the northeast runway. The vegetation in the surrounding areas appear less dense than the</p>

Date	Description
	previous aerial photograph. The remaining surrounding properties appear unchanged from the previous aerial photograph.
1983	<p>Site: The Site appears to have three cleared areas without any visible structures.</p> <p>Surrounding Properties: Hoagland Boulevard still appears as a dirt road on the eastern portion of the Site. Two structures appear immediately east of Hoagland Boulevard. The vegetation in the surrounding area appears less dense than the previous aerial photograph. The remaining surrounding properties appear unchanged from the previous aerial photograph.</p>
1990	<p>Site: The Site appears to have five visible structures with one cleared area in the southwest corner.</p> <p>Surrounding Properties: Several additional structures/vehicles appear in the vicinity of the previously identified two structures immediately east of Hoagland Boulevard. Three additional structures and associated parking area appears at the terminus of the southeast runway. The remaining surrounding properties appear unchanged from the previous aerial photograph.</p>
1996	<p>Site: The Site appears to have five visible structures and the cleared area in the southwest corner appears less active.</p> <p>Surrounding Properties: Hoagland Boulevard appears to be paved. Several additional vehicles appear in the vicinity of the structures immediately east of Hoagland Boulevard. One structure is still visible on the property south of the Site. The remaining surrounding properties appear unchanged from the previous aerial photograph.</p>
2005	<p>Site: The Site appears to have five visible structures. The area in the southwest corner appears more active than the previous aerial photograph. An additional entrance to the Site appears in the northwest corner.</p> <p>Surrounding Properties: Two large structures appear immediately east of Hoagland Boulevard. The area immediately south of the Site appears highly active with no vegetation. One small structure appears attached to the northeast corner of the previously identified structure. Several large structures appear northeast of the Site at the terminus of the northeast runway. In addition to the identified structures, several large retention ponds have been excavated. The remaining surrounding properties appear unchanged from the previous aerial photograph.</p>

3.3.2 Saint Cloud Annex

Available aerial photographs of the subject property and surrounding areas, obtained from EDR, were reviewed in order to identify historical land use that may have involved hazardous substances and/or petroleum products. Aerial photographs were obtained for the years 1944, 1951, 1959, 1971, 1982, 1990, 1996, and 2005. Digital aerial photographs from 2005 (**Figure 3 and Figure 4**) were obtained from the Microsoft Network (MSN) website. Copies of the historical aerial photographs are provided in **Appendix D**. The following are descriptions and interpretations from the aerial photograph review:

Date	Description
1944	<p>Site: The Site is undeveloped and unimproved.</p> <p>Surrounding Properties: A linear feature of dense trees appear to coincide with a small canal which binds the eastern portion of the Site. Two dirt roads are visible west of the future Site location. The dirt road on the east side of the aerial is Canoe Creek Road. The remaining surrounding area is undeveloped and unimproved.</p>
1951	<p>Site: The Site is undeveloped and unimproved.</p> <p>Surrounding Properties: The area appears unchanged from the previous aerial photograph.</p>
1959	<p>Site: The Site is undeveloped and unimproved.</p> <p>Surrounding Properties: Canoe Creek Roads appears to be improved with asphalt. The remaining area appears unchanged from the previous aerial photograph.</p>
1971	<p>Site: The Site is undeveloped and unimproved.</p> <p>Surrounding Properties: The canal which binds the eastern portion of the Site appears to have been rerouted. Quail Roost Road, located immediately south of the Site, and Edsel Avenue, located immediately west of the Site, have been constructed and appear as a dirt road. One small structure is visible northwest of the Site. Linear features, potentially groves, appear south and southeast of the Site. Each set of linear features, groves, has an associated excavation pit. The remaining area appears unchanged from the previous aerial photograph.</p>
1982	<p>Site: Two structures appear on the Site. The entrance to the Site appears from the east from Edsel Avenue. The central portion of the Site appears heavily active.</p> <p>Surrounding Properties: The canal which binds the eastern portion of the Site appears to have been rerouted again. The linear features immediately south of the Site and Quail Roost Road have been cleared and two structures appear. A large area east of the Site has been cleared. An area to the northwest of the Site appears to be a small residential community. Several trailers/vehicles are visible north of the Site. The area west of Canoe Creek Road appears improved with dirt roads, trailers, and excavation pits/ponds. The remaining area appears unchanged from the previous aerial photograph.</p>

Date	Description
1990	<p>Site: The Site appears unchanged from the previous aerial photograph with the exception of less activity.</p> <p>Surrounding Properties: The large cleared area east of the Site has been improved with slightly visible linear features, potentially groves. The residential community to the northwest appears more developed. Additional dirt roads, trailers, and excavation pits/ponds appear west of Canoe Creek Road. The remaining area appears unchanged from the previous aerial photograph.</p>
1996	<p>Site: The Site appears unchanged from the previous aerial photograph with the exception of less activity.</p> <p>Surrounding Properties: The large cleared area east of the Site has been improved with clearly visible linear features, potentially groves. The cleared area between the linear features and the Site has been improved with a residential community. The residential community to the northwest appears more developed and an additional area to the north of the community appears under development. Additional dirt roads, trailers, and excavation pits/ponds appear west of Canoe Creek Road. The remaining area appears unchanged from the previous aerial photograph.</p>
2005	<p>Site: The Site appears unchanged from the previous aerial photograph with the exception of heavy activity.</p> <p>Surrounding Properties: The large cleared area east of the Site has been improved with clearly visible linear features, potentially groves. The cleared area between the linear features and the Site has been improved with a residential community. The residential community to the northwest appears more developed with homes in the previously identified cleared area. Additional dirt roads, trailers, and excavation pits/ponds appear west of Canoe Creek Road. Several additional trailers/vehicles are visible north of the Site. The remaining area appears unchanged from the previous aerial photograph.</p>

3.4 OTHER DOCUMENTS

URS contacted Environmental Data Resources, Inc. (EDR) to conduct a search for available environmental records. The EDR consisted of a radius search of 1.0 mile and is included in Section 5.0. Below is a summary of documents reviewed from the FDEP Oculus data management system and documents supplied to URS from the District.

3.4.1 Kissimmee Field Station

Documents pertaining to the former and current USTs were searched in Oculus under the Florida Department of Environmental Protection (FDEP) Facility Identification number 49/8520968. In addition to the Oculus information two former reports prepared by Dames & Moore were supplied to URS from the District. Documents obtained from Oculus included Quarterly Groundwater Monitoring Reports and

regulatory comment and approval letters. The documents supplied by the District included a Contamination Assessment Report and Supplemental Assessment Report.

In October 1989, two, 2,000-gallon steel USTs were excavated and removed from the current UST area. One UST contained diesel fuel and one UST contained gasoline. These tanks were located immediately south of the Open Air Storage Building. During the excavation approximately 260 cubic yards of petroleum impacted soils were excavated and transported offsite for proper disposal. Following the removal and disposal of the impacted soils, two, 4,000-gallon fiberglass USTs were installed. One UST contains diesel fuel and one UST contains unleaded gasoline. In 1989 three USTs were also excavated and removed. The tanks were located east of the Open Air Storage Building and west of the Maintenance Bays. One, 2,000-gallon diesel UST, one, 1,500-gallon gasoline UST, and one, 280-gallon diesel UST were excavated and transported offsite for proper disposal. During the excavation approximately one cubic yard of petroleum impacted soils were excavated and properly disposed offsite. Subsequent to the removal and installation of the onsite USTs, Groundwater Technology, Inc. conducted a Preliminary Contamination Assessment Report (PCAR) to determine if the surficial aquifer had been impacted by petroleum constituents. The PCAR indicated that benzene and methyl-tert-butyl-ether (MTBE) concentrations were exhibited above the groundwater cleanup target levels (GCTLs).

Subsequent to the PCAR results, a Monitoring Only Plan (MOP) was prepared for the site and approved by the FDEP. The MOP consisted of quarterly groundwater sampling of the Kerosene and Mixed Product Analytical Group, which began in July 1991 by International Technology Corporation. Analytical results indicated that volatile halocarbons and volatile aromatics were exhibited above applicable GCTLs in the sampled monitor wells, specifically MTBE and 1,1-dichloroethene. In 1993, following continual exceedances of applicable GCTLs over the course of six quarterly monitoring events, the District retained Dames & Moore to conduct a contamination assessment. The contamination assessment included defining the extent of MTBE impacts in the soil and groundwater, determine the source of the MTBE contamination, and collect background concentrations of the purgeable halocarbons.

Dames & Moore completed the Contamination Assessment Report (CAR) in December 1993. During the assessment monitor wells were installed and soil borings were advanced to identify a potential source of contamination. Low headspace readings between 0 to 45 parts per million (ppm) were exhibited in the soils. These concentrations were below the established criteria for excessively contaminated soils of 50 ppm for diesel and 500 ppm for gasoline. The groundwater samples indicated that concentrations of MTBE and 1,1-dichloroethene exceeded applicable GCTLs. Based on the results of the assessment Dames & Moore recommended additional investigations in reference to the soil and recommend that the MOP should be continued on a quarterly basis for purgeable volatiles and purgeable halocarbons from select monitor wells. Dames & Moore also indicated that there may be a potential of offsite contamination which may be impacted the groundwater at the Kissimmee Field Station. In April 1995, Dames & Moore prepared a Supplemental Assessment Report (SAR) in response to FDEP CAR comments.

In response to the FDEP CAR comments, Dames & Moore conducted a SAR by installing additional monitor wells, collecting groundwater samples, advancing additional soil borings, and collecting soil

samples. The additional monitor well was installed to monitor potential offsite sources of contamination and the soil borings were advanced to determine if there is a continuing source of purgeable volatiles in the soil. The soil analytical data indicated low levels of benzene, toluene, ethylbenzene, and total xylenes (BTEX) without exhibited concentrations of MTBE. Therefore, there was no continuing source of contamination from the soils. The groundwater samples were analyzed for purgeable volatiles and purgeable halocarbons. The groundwater samples were below applicable GCTLs with exception of one sample which exhibited 1,1-dichloroethene above applicable GCTLs. Based on the analytical data the soils were not leaching and producing a continual source of contamination and the exhibited concentration of 1,1-dichloroethene has fluctuated and no source has been identified onsite or offsite. In June 1995, the FEP issued comments pertaining to the vapor readings and wanted to know if any additional soils have been removed for the site as recommended in the December 1993 CAR.

In June 1995, the District responded to the FDEP review/comment letter. The District stated that the vapor readings are a qualitative measure and should be used as an alternative if laboratory data is not available. Since soil samples were collected and below applicable soil cleanup target levels (SCTLs) there was no excavation performed at the site. In addition, the District also stated that Dames & Moore's recommendations of possible leachates is untenable since the dissolved hydrocarbon levels for all constituents, except 1,1-dichloroethene during the past sampling events, have been below applicable GCTLs. Based on the above results of the CAR, Dames & Moore and the District requested "No Further Action" for the site. In August 1995, the FDEP reviewed the December 1993 CAR, the April 1995 SAR, and the June 1995 District Response and issued a Site Rehabilitation Completion Order (SRCO) for the site. However, the FDEP ordered one additional round of groundwater sampling to monitor the 1,1-dichloroethene concentrations prior to completion. If results have not decrease the site would be referred to the Waste Cleanup Section of the FDEP. Following the sampling, pending results below applicable GCTLs, all monitor wells would have to be properly abandoned. In addition, if subsequent discharges of petroleum or petroleum product occur, the FDEP would require subsequent site rehabilitation. In January 1996, Dames & Moore collected groundwater samples for the site.

Based on the groundwater samples collected from the monitor wells in January 1996, all purgeable halocarbons were below applicable GCTLs completing the final request by the FDEP in the August 1995 review/approval letter. In April 1996, the FDEP issued a review/approval letter of the Supplemental Sampling Report conducted in January 1996. The FDEP stated that the level of contamination at the site would not require additional action. However, the FDEP does not certify that the site is clean and they reserve the right to initiate appropriate actions if additional contamination is discovered in the future. The FDEP storage tank inventory sheet and site specific documents obtained from the FDEP Oculus data management system are included in **Appendix E**.

3.4.2 Saint Cloud Annex

There were no environmental documents supplied to URS concerning the Saint Cloud Annex. Additionally, since the site does not have a FDEP Facility Identification number, there were no documents available on Oculus for review.

4.0 SITE INSPECTION

4.1 CURRENT USES OF THE PROPERTY

4.1.1 Kissimmee Field Station

URS conducted a site reconnaissance on August 27, 2008 to visually inspect readily available areas of the subject property. Mr. Jeffrey Smith accompanied URS to all of the areas of potential environmental concern. According to information provided by Mr. Smith and site observations, the Kissimmee Field Station property encompasses approximately 5.35-acres which are currently used for routine vehicle chemical storage and equipment maintenance as well as for administrative purposes.

4.1.2 Saint Cloud Annex

URS conducted a site reconnaissance on August 27, 2008 to visually inspect readily available areas of the subject property. Mr. Jeffrey Smith accompanied URS to all of the areas of potential environmental concern. According to information provided by Mr. Smith and site observations, the Saint Cloud Annex property encompasses approximately 1.15-acres which are currently used for vehicle storage, chemical storage and administrative purposes.

4.2 KISSIMMEE FIELD STATION - SITE OBSERVATIONS

Improvements to the property consists of administrative buildings, Maintenance Bays, Former Hydraulic Lift, Vehicle Wash Down Area, Open Air Storage Building, Surface Water Runoff – South Side of Lot, Truck Wash Down Area, UST Area, and Former UST area. A six-foot chain link fence with barbed wire surrounds the entire property. The main entrance to the Site is on the west side of Hoagland Boulevard. A secondary entrance for maintenance crews and subcontractors is on the south side of Fifth Street located in the northwest corner of the Site. The main and secondary entrances are asphalt driveways equipped with machined powered locking gates which are activated via call boxes or transmitters.

Given below are descriptions of the areas of potential environmental concern:

4.2.1 Maintenance Bays

Five open air Maintenance Bays are located on the eastern boundary of the property. The Maintenance Bays are utilized for vehicle maintenance and machinery repair and utilized to store necessary vehicle/machinery parts. Vehicle parts included oil filters and miscellaneous engine parts and machinery included gas cylinders for welding and drills. Several maintenance work benches and necessary hand tools to complete routine maintenance are stored through the bays. One bay is equipped with a hydraulic lift in which all fluids are stored on the “I” beams of the lift and underground fluid storage is not necessary. Four of the five bay doors were equipped with retractable rolling doors which could be locked. The northern most fifth bay, location of the Former Hydraulic Lift, was not equipped with a retractable rolling door however a sliding door which separated the fifth bay from the southern four bays could be closed to secure the other bays. An area immediately north of the fifth bay was an open air area which is

used to store petroleum products. Two plastic chemical storage sheds were used to store 5-gallon buckets of hydraulic oil and motor oils. A small plastic shed was also used to store smaller quantities of hydraulic oils, motor oils, degreasers, WD-40, and household chemicals. In addition to the chemical storage sheds several 55-gallon drums of new and used oil were staged on the concrete floor similar to the plastic chemical sheds. During the Site inspection one 500-gallon used oil steel aboveground storage tank (AST) was observed west of the 55-gallon drums and plastic storage sheds. Immediately west of the used oil AST several additional 55-gallon drums of new motor oil and hydraulic fluids were staged on concrete below a steel framed canopy covered with metal siding. Three of the drums were stacked on their sides in plastic racks. During the site visit Mr. Smith indicated that fluids used for the day to day maintenance were removed from these drums via nozzles which were attached to the drums prior to placing them on their sides.

A small office is located in the southern portion of the Maintenance Bays. In addition to the office, two bathrooms are located immediately east of the office. The bathrooms reportedly drain into a septic drainfield located on the eastern boundary of the property adjacent to South Hoagland Road. During the site inspection minimal staining was observed throughout the concrete floors within the bays, the asphalt immediately in front of the bays, and fluid staging and storage areas. No drains were observed in the concrete floor within the Maintenance Bay area.

4.2.2 Former Hydraulic Lift

Mr. Smith indicated that a Former Hydraulic Lift was located in the northern most Maintenance Bay. The location of the Former Hydraulic Lift was apparent from concrete patch which was used to backfill the former lift following removal. The concrete repairs consisted of two patches shaped in the letter "H." An open air portion, located north of the Former Hydraulic Lift, was utilized for storing new and used vehicle fluids.

4.2.3 Vehicle Wash Down Area

An area located in the north central portion of the property is used to wash down field vehicles. This wash down area consists of a concrete pad and two water hoses. The wash water drains from the concrete toward a trench drain which is installed in the northern portion of the pad. The water which is collected in the trench drain flows through a metal culvert which drains into a swale north of the property fence line. The wash water which is not collected in the trench drain percolates into the surrounding soils. No engine cleaning or maintenance is conducted in this area. No evidence of staining, stressed vegetation or unusual odors was noted during the site visit.

4.2.4 Chemical Storage Building

Pesticides and herbicides are stored in a concrete cinder block building located in the south central portion of the property. These chemicals are temporarily stored here prior to use on various District properties. No mixing or loading occurs on the property. The floor of the building is constructed of concrete which is raised approximately four feet above land surface. In the event of a spill the floor is

constructed as such that any leaks would be collected and outfall via a 1-inch pipe into a secondary containment structure in the back of the building. The secondary containment is constructed of concrete cinder blocks and measures approximately 5 feet by 5 feet by 3 feet deep. The bottom of the secondary containment is solid concrete as opposed to concrete cinder blocks. During the site inspection there was a thin veneer of sediment at the bottom of the secondary containment. During the site inspection no staining, stressed vegetation or unusual odors were noted.

4.2.5 Open Air Storage Building

Four storage bays are located in the open air storage building that is located in the north central portion of the site. The bays are used to store the District equipment, boats, and machinery. During the site inspection minimal staining was observed throughout the concrete floors within the storage area as well as the asphalt immediately in front of the storage area; however one recent stain was observed on the eastern portion of the storage area which was approximately eight inches in diameter. No drains were observed in the concrete floor within the Maintenance Bay area.

4.2.6 Surface Water Runoff – South Side of Lot

A construction company is located south of the District's field station. Numerous vehicles and equipment are typically staged along the construction company's property boundary, along the southern edge of the District's property. Runoff from the construction company's lot flows northward towards the District property and west. During the site inspection no staining, stressed vegetation or unusual odors were noted.

4.2.7 Truck Wash Down Area

An area located in the west portion of the property is used to wash down District trucks and large field vehicles. This wash down area consists of two separate dirt parking areas and two water hoses. The wash water drains off the parking areas and percolates into the surrounding soils. No engine cleaning or maintenance is conducted in this area. During the site inspection no staining, stressed vegetation or unusual odors were noted.

4.2.8 Underground Storage Tank (UST) Area

Two, 4,000-gallon fiberglass USTs are located south of the open-air storage building. The USTs contain vehicular diesel and unleaded gasoline and are used for re-fueling the District trucks and machinery. The UST Area consisted of a large concrete pad with three ports associated with each UST, two fuel dispensers, vent pipes, and air/water compressor. The three ports consist of a submersible turbine pump (STP), Veeder Root and fill port locations. The tanks were installed in 1989 and replaced two, 2,000-gallon USTs. During the installation, approximately 260 cubic yards of petroleum impacted soils were excavated and transported offsite and disposed. A Preliminary Contamination Report conducted after the tank replacements recommending Monitoring Only. In December, 1993, a Contamination Assessment Report was formulated after 6 quarters of Monitoring Only. The CAR identified low levels of soil impacts

around the UST area. During the site inspection no staining, stressed vegetation or unusual odors were noted.

4.2.9 Former Underground Storage Tank (UST) Area

Three USTs were also removed in 1989 for the area east of the UST re-fueling. Referred to as the Former UST Area, it is located in a grassy area between the maintenance building and the open-air storage building. During the removal of the USTs, approximately 1 yard of petroleum impacted soils was excavated, and transported offsite and disposed. A Preliminary Contamination Report conducted after the tank removals recommending Monitoring Only. In December, 1993, a Contamination Assessment Report was formulated after 6 quarters of Monitoring Only. Elevated OVA readings were recorded on the north and south sides of the former UST Area. No groundwater impacts were identified around the Former UST Area. During the site inspection no staining, stressed vegetation or unusual odors were noted.

4.3 SAINT CLOUD ANNEX – SITE OBSERVATIONS

Improvements to the property consists of a combination administration office/chemical storage building, a herbicide container staging area, a potable water well with filtration system housed in a wooden shed, and a vehicle storage area. A six-foot chain link fence with barbed wire surrounds the entire property. The main entrance to the Site is on the west side of Edsel Avenue. The entrance is an asphalt driveway equipped with a combination lock fence. The asphalt driveway terminates inside the Site and turns into dirt.

Given below are descriptions of the areas of potential environmental concern:

4.3.1 Herbicide Container Staging Area

Herbicides are temporarily staged along the eastern boundary of the property. These chemicals are temporarily stored here prior to use on various District and Florida Department of Environmental Protection properties. No mixing or loading occurs in this area or on the property. During the site inspection no staining, stressed vegetation or unusual odors were noted.

4.3.2 Chemical Storage Building

Herbicides are stored in a metal building located in the south portion of the property. These chemicals are temporarily stored here prior to use on various District and Florida Department of Environmental Protection properties. No mixing or loading occurs on the property. During the site inspection no staining, stressed vegetation or unusual odors were noted.

4.4 ADDITIONAL SITE OBSERVATIONS

4.4.1 PCB-Containing Equipment

Kissimmee Field Station

There were no electrical transformers or PCB containing equipment observed at the Site during the site visit.

Saint Cloud Annex

There was one electrical transformer observed on the western boundary of the Site near the main entrance. The transformer appeared to be in good condition with minimal rust. The area immediately below the transformer appeared clean without staining or stressed vegetation during the site visit. There was no additional PCB containing equipment observed during the site visit.

4.4.2 Solid Waste

Kissimmee Field Station

There was no solid waste observed at the site during the site visit. The general housekeeping of the Site appeared to be consistently well maintained. Domestic trash is discarded into an onsite Waste Management dumpster located near the main entrance.

Saint Cloud Annex

There was no solid waste observed at the site during the site visit. The general housekeeping of the Site appeared to be consistently well maintained. Domestic trash is discarded into an onsite Waste Management dumpster located northwest of the Chemical Storage Building.

4.4.3 Drains and Sumps

Kissimmee Field Station

The Chemical Storage Building had a centralized drain which discharged into a secondary containment located on the south side of the building. Three concrete sumps were identified in the vicinity of the Truck Washdown Area located on the western portion of the site. The three sumps were concrete cylinders with steel manholes and buried below the ground surface. During the site inspection the concrete sumps were empty. Other than the septic system drain field, located on the southeast corner of the Maintenance Bays, no other drains or sumps were observed.

Saint Cloud Annex

A plastic corrugated surface water drain pipe is located in the east central portion of the Site. The surface water which collects at the Site drains through the corrugated pipe and discharges to the canal which binds the eastern boundary. No additional drains or sumps were observed at the Site during the site visit.

4.4.4 Wastewater

Kissimmee Field Station

Other than domestic wastewater associated with the septic system, no other processes were observed that would generate wastewater.

Saint Cloud Annex

There were no processes observed that would generate wastewater.

4.4.5 Wells

The District was contacted to conduct a water well survey within ½-mile and 1-mile of the property as follows:

Kissimmee Field Station

The District identified one, permitted water well within a ½-mile radius of the property and 18 water wells within a 1-mile radius of the property. The water well located within a ½-mile radius of the property is used for landscape irrigation (LAN) purposes. The 18 water wells located within a 1-mile radius of the property are used for LAN (11), agricultural irrigation (AGR) (2), golf (GOL) (4), and public water supply (PWS) (1) purposes.

Nextel Kissimmee Airport maintains the one (1) LAN water well approximately 2,500-feet north, northwest of the property under permit number 49-01099-W. The landscape irrigation well is installed to a depth of 200 feet and the water source is from the Floridan aquifer system. The District identified 18 water wells within ½-mile to 1-mile radius of the property. The 18 water wells are located northeast, east, southeast, southwest, west, and northwest of the property. Eleven (11) of the water wells are used for LAN [one (1) by Holiday Inn's Kids Village, one (1) by Woodside Apartments, four (4) by Give Kids the World Well replacement, one (1) by La Mirada Plaza, two (2) by Kissimmee Industrial Park – Lot 3, and two (2) by Pirates Island Adventure Golf], two (2) water well Sites are utilized for AGR by John Bronson Groves, four (4) water well Sites are utilized for GOL by Kissimmee Golf Club, and one (1) water well is utilized for PWS by Bass Pet Motel. The District water well survey is included in **Appendix F**.

Saint Cloud Annex

A potable water supply well is located approximately 45 feet north of the Administrative Office/Chemical Storage Building. The potable water well is equipped with a filtration/water softener system. According to the District, the water well was installed to a depth of approximately 100 feet below land surface and supplies the property with potable water. The potable water well is permitted to the Kissimmee Field Station by the District under permit number 49-01135-W.

The District identified one, additional permitted water well within a ½-mile radius of the property and five (5) water wells within a 1-mile radius of the property. The water well located within a ½-mile radius of the property is used for industrial (IND) purposes. The five (5) water wells located within a 1-mile radius of the property are used for AGR (2), and nursery irrigation (NUR) (3) purposes.

Glenda/Thomas Hall Well maintains the one (1) IND water well approximately 1,000-feet southwest of the property under permit number 49-01159-W. The industrial well is installed to a depth of 230 feet and the water source is from the Floridan aquifer system. The District identified five (5) water wells within ½-mile to 1-mile radius of the property. The five (5) water wells are located east, southwest, and northwest of the property. Two (2) of the water wells are used for AGR [one (1) by Circle Y Grove and one (1) by Bass Citrus Grove], and three (3) water well Sites are utilized for NUR by C E Outdoor Services Nursery. The District water well survey is included in **Appendix F**.

4.4.6 Pits, Ponds, and Lagoons

Kissimmee Field Station

URS did not observe evidence of historical or current pits, ponds, or lagoons at the Site.

Saint Cloud Annex

URS did not observe evidence of historical or current pits, ponds, or lagoons at the Site.

4.4.7 Floodplains

Kissimmee Field Station

According to the information provided on Flood Insurance Rate Map (FIRM) Panel #12097C0065F dated June 6, 2001, the Site is located within Zone X. Zone X is defined by areas of 50-year flood – areas of 100-year flood with average depths of less than one-square mile and areas protected by levees from 100-year floods.

Saint Cloud Annex

According to the information provided on Flood Insurance Rate Map (FIRM) Panel #12097C0270F dated June 6, 2001, the Site is located within Zone A. Zone A is defined as no base flood elevations and flood hazards factors have not been determined.

4.4.8 Other Physical Evidence of Contamination

Kissimmee Field Station

During the site inspection, minor surficial staining was observed on the asphalt covered areas of the facility. The stained areas were no larger than six-inches in diameter and did not appear to be recent with

exception of one area located on the south side of the Open Air Storage Building. The recent stain was observed on the east side of the building immediately east of the concrete slab. The stain was approximately six-inches in diameter. Staining most likely occurred during routine maintenance to heavy and light equipment. There was no other evidence of staining, stressed vegetation, or unusual odors identified in the uncovered areas.

Saint Cloud Annex

During the site inspection there was evidence of staining, stressed vegetation, or unusual odors identified throughout the property.

4.4.9 Radon

The USEPA and the U.S. Geological Survey have evaluated the radon potential in the U.S. and have developed this map to assist national, state, and local organizations to target their resources and to assist building code officials in deciding whether radon-resistant features are applicable in new construction. This map is not intended to be used to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones. All homes should be tested regardless of geographic location. The map assigns each of the 3,141 counties in the U.S. to one of three zones based on radon potential. Each zone designation reflects the average short-term radon measurement that can be expected to be measured in a building without the implementation of radon control methods. The radon zone designation of the highest priority is Zone 1.

URS reviewed the Area Radon Information for Osceola County (Zone 3) provided by the USEPA indoor Air Radon website and the Florida Department of Health website. The Florida Department of Health maintains an indoor radon measurement data base (as reported by certified radon businesses), and the mandatory residential and nonresidential indoor radon measurement databases (as reported by facilities per Florida Statute 404.056). The Florida radon database is based on actual sample results collected by certified radon specialists, as opposed to the USEPA map which is mostly based on natural geologic conditions.

Kissimmee Field Station

URS reviewed the Area Radon Information for Osceola County (Zone 3) provided by the USEPA indoor Air Radon website and the Florida Department of Health website. The Florida radon database was searched for zip code 34714. The Florida radon database correlated with the EPA map and found that no reported radon building measurements were available for the area code 34714, in which the Kissimmee Field Station resides.

URS concludes that there is a low potential for elevated radon gas at the Site, however actual radon concentrations cannot be determined unless testing is performed.

Saint Cloud Annex

URS reviewed the Area Radon Information for Osceola County (Zone 3) provided by the USEPA indoor Air Radon website and the Florida Department of Health website. The Florida radon database was searched for zip code 34772. The Florida radon database correlated with the EPA map and found that zero (0) percent of residential homes, seven (7) buildings were measured in zip code 34772, were above the USEPA guideline and zero (0) percent of non-residential homes, seven (7) buildings were measured in zip code 34772, were above the USEPA guideline.

URS concludes that there is a low potential for elevated radon gas at the Site, however actual radon concentrations cannot be determined unless testing is performed.

4.4.10 Lead-Based Paint (LBP)**Kissimmee Field Station**

A lead-based paint survey or sampling to evaluate the absence or presence of lead-based paint was not included in the scope of work for this Phase I ESA.

Saint Cloud Annex

A lead-based paint survey or sampling to evaluate the absence or presence of lead-based paint was not included in the scope of work for this Phase I ESA.

4.5 CURRENT USES OF THE ADJOINING PROPERTY**4.5.1 Kissimmee Field Station**

The adjoining properties are mainly used for industrial purposes and warehouses.

North: The northern portion of the Site is bound by Fifth Street followed by vacant land.

East: The eastern portion of the Site is bound by South Hoagland Boulevard followed by Cruzando Transport, Inc., followed by vacant land followed by businesses associated with the Kissimmee Airport (Atlantic, Ranger Aviation, Stallion 51 Corp., Texan Flight Ops., Avmed 51, and Wings Aviation). Two warehouses are immediately south of the Cruzando Transport, Inc. business which includes business warehouses, Professional Auto, Inc., American Auto Repair, Sunshine Wood, Inc., Cleaning Warehouse, and Scooter/ATV Warehouse.

South: The southern portion of the Site is bound by JR. Davis Construction followed by Fourth Street.

West: The western portion of the Site is bound by undeveloped vacant land followed by a residential community.

4.5.2 Saint Cloud Annex

The adjoining properties are mainly used for residential purposes.

North: The northern portion of the Site is bound by residences followed by additional residences.

East: The eastern portion of the Site is bound by a canal followed by a residence followed by a residential community.

South: The southern portion of the Site is bound by Quail Roost Road followed by residences followed by an agricultural area (potential groves).

West: The western portion of the Site is bound by Edsel Avenue followed by a residence followed by Canoe Creek Road followed by a residential community.

4.6 SURROUNDING PROPERTIES OF POTENTIAL ENVIRONMENTAL CONCERN

4.6.1 Kissimmee Field Station

The southern property, JR. Davis Construction, may be a potential environmental concern in the southwest corner of the Site. JR. Davis Construction stages several vehicles in the northwest corner of the property. In addition to staging vehicles, vehicles and equipment are washed in this area. Surface water runoff from washing the vehicles and equipment may have the potential to impact the southern portion of the Site.

The eastern properties are mainly industrial businesses which may have an adverse impact on the Site if large spills occur, especially the Kissimmee Airport businesses. Based on site observations, a review of available documents, and a review of the environmental database, no other potential environmental concerns were identified.

4.6.2 Saint Cloud Annex

Based on site observations, a review of available documents, and a review of the environmental database, no potential environmental concerns were identified.

5.0 REGULATORY AGENCY REVIEW

5.1 Environmental Databases Review - Kissimmee Field Station

The information gathered from environmental databases through EDR was reviewed to evaluate if activities on or near the site could threaten the environmental quality of the subject property. The report provided by EDR is a review of database, compiled by Federal, State, and local governmental agencies within a specific radius of the project. For this project, the radius is 1.0 mile. The complete list of databases reviewed is included as **Appendix G**. It should be noted that this information is reported as URS received it from EDR. It is not possible for URS to verify the accuracy or completeness of information contained in these databases. However, the use of, and reliance upon this information is a generally accepted practice in the conduct of environmental due diligence investigations. The databases searched and the information obtained within these databases is summarized below.

SUMMARY OF ENVIRONMENTAL AGENCY DATA				
AGENCY DATABASE	SEARCH DISTANCE	DATE OF GOVERNMENT VERSION	SUBJECT PROPERTY LISTED	NUMBER OF SITES LISTED
National Priority List (NPL) for Superfund Sites	1.000 miles	4/30/2008	No	0
Proposed NPL	1.000 miles	4/30/08	No	0
Delisted NPL	1.000 miles	4/30/08	No	0
Federal Superfund Liens (NPL LIENS)	Subject Property	10/15/1991	No	0
Comprehensive Environmental Response, Compensation and Liability Index System (CERCLIS) List	0.500 miles	4/8/2008	No	0
CERCLIS – No Further Remedial Action Planned (CERCLIS-NFRAP)	0.500 miles	12/03/2007	No	0
Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS)	1.000 miles	3/26/2008	No	1
RCRA Permitted Treatment, Storage, and Disposal (TSD) Facilities	0.500 miles	3/6/2008	No	0
RCRA Registered Large Generators of Hazardous Waste (RCRA-LQG)	0.250 miles	3/6/2008	No	0
RCRA Registered Small Generators of Hazardous Waste (RCRA-SQG)	0.250 miles	3/6/2008	No	2
RCRA Non Generators (RCRA-NonGen)	0.250 miles	3/6/2008	No	1
Emergency Response Notification System (ERNS) List	Subject Property	12/31/2007	No	0
Hazardous Materials Information Reporting System (HMIRS)	Subject Property	12/31/2007	No	0
US Engineering Controls Site Listing (US ENG CONTROLS)	0.500 miles	4/4/2008	No	0
Brownfield Sites with Institutional Controls (US INST CONTROL)	0.500 miles	4/4/2008	No	0
Department of Defense Sites (DOD)	1.000 miles	12/31/2005	No	0
Formerly Used Defense Sites (FUDS)	1.000 miles	12/31/2006	No	0
Listing of Brownfield Sites (US BROWNFIELDS)	0.500 miless	4/1/2008	No	0
Superfund (CERCLA) Consent Decrees (CONSENT)	1.000 miles	2/8/2008	No	0
Records of Decision (ROD)	1.000 miles	1/14/2008	No	0

SUMMARY OF ENVIRONMENTAL AGENCY DATA				
AGENCY DATABASE	SEARCH DISTANCE	DATE OF GOVERNMENT VERSION	SUBJECT PROPERTY LISTED	NUMBER OF SITES LISTED
Uranium Mill Tailings Sites (UMTRA)	0.500 miles	7/13/2007	No	0
Open Dump Inventory (ODI)	0.500 miles	6/30/1985	No	0
Toxic Chemical Release Inventory System (TRIS)	Subject Property	12/31/2006	No	0
Toxic Substances Control Act (TSCA)	Subject Property	12/31/2002	No	0
FIFRA/TSCA Tracing System (FTTS)	Subject Property	4/11/2008	No	0
Section 7 Tracking Systems (SSTS)	Subject Property	12/31/2006	No	0
CERLA Lien Information (LIENS 2)	Subject Property	2/8/2008	No	0
Radiation Information Database (RADINFO)	Subject Property	4/29/2008	No	0
Clandestine Drug Labs (CDL)	Subject Property	9/1/2007	No	0
FIFRA/TSCA Tracking System Administrative Case Listing (HIST FTTS)	Subject Property	10/19/2006	No	0
Integrated Compliance Information System (ICIS)	Subject Property	2/28/0228	No	0
Land Use Control Information System (LUCIS)	0.500 miles	12/9/2005	No	0
Incident and Accident System (DOT OPS)	Subject Property	2/14/2008	No	0
PCB Activity Database System (PADS)	Subject Property	12/4/2007	No	0
Material Licensing Tracking System (MLTS)	Subject Property	4/22/2008	No	0
Mines Master Index File (MINES)	0.250 miles	2/7/2008	No	0
Facility Index System/Facility Registry System (FINDS)	Subject Property	4/3/2008	No	0
RCRA Administrative Action Tracking System (RAATS)	Subject Property	4/17/1995	No	0
State Hazardous Waste Sites (SHWS)	1.000 miles	1/22/2008	No	0
State Permitted Solid Waste Landfill, Incinerators or Transfer Stations (SWF/LF) List	0.500 miles	5/12/2008	No	0
State Leaking Underground Storage Tank (LUST) List	0.500 miles	5/1/2008	Yes	2
State Underground Storage Tanks (UST) List	0.250 miles	5/1/2008	Yes	2
State Regulated Aboveground Storage Tanks (AST)	0.250 miles	5/1/2008	No	2
Sites List (FL SITES)	1.000 miles	12/31/1989	No	1
Spills – Oil and Hazardous Material Incidents (SPILLS)	Subject Property	5/3/2008	No	0
Engineering Controls Site Listing (ENG CONTROLS)	0.500 miles	4/28/2008	No	0
Brownfield Institutional Control Site Listing (INST CONTROL)	0.500 miles	4/28/2008	No	0
State Voluntary Cleanup Program (VCP)	0.500 miles	3/24/2008	No	0
Drycleaner Facility Locations (DRYCLEANERS)	0.250 miles	5/1/2008	No	0
State Priority Cleaners (PRIORITYCLEANERS)	0.500 miles	6/1/2008	No	0

SUMMARY OF ENVIRONMENTAL AGENCY DATA				
AGENCY DATABASE	SEARCH DISTANCE	DATE OF GOVERNMENT VERSION	SUBJECT PROPERTY LISTED	NUMBER OF SITES LISTED
Ethylene Dibromide Database Results (DEDB)	0.500 miles	2/12/2008	No	1
Brownfield Sites (BROWNFIELDS)	0.500 miles	4/27/2008	No	0
Wastewater Facility Regulation Database (WASTEWATER)	Subject Property	5/7/2008	No	0
Permit and Emissions Inventory Data (AIRS)	Subject Property	6/18/2008	No	0
Cattle Dipping Vats (FL Cattle Dip. Vats)	0.500 miles	2/4/2005	No	0
Tier 2 Facility Listing (Tier 2)	Subject Property	4/1/2008	No	0
Indian Reservations (INDIAN RESERV)	1.000 miles	12/31/2005	No	0
INDIAN LUST Region 4 (R4)	0.500 miles	3/17/2008	No	0
INDIAN UST Region 4 (R4)	0.250 miles	3/17/2008	No	0
Manufactured Gas Plants	1.000 miles	N/A	No	0

5.1.1 CORRACTS

Kissimmee Field Station

The CORRACTS list identifies sites which have hazardous waste handlers with RCRA corrective action activity. The database searches identified one CORRACTS site within the specified 1.0 mile boundary search of the subject property. The following is a summary of the information provided in the EDR database review.

Central Florida Aircraft Refinish, 3807 4th Street, Kissimmee, Florida 34741 was identified as a CORRACTS site and is located 1,886 feet east, south-west of the subject property. The facility EPA identification is FLD107994063 in EPA Region 4. The facility or area was assigned a medium corrective action priority in June 1998. Several DEP warning letters and violations were issued from the late 1980's to the mid 1990's. The violations and citations were generally restricted to Contingency Plans and Emergency Procedures, Generators – Pre-transport, State Statute or Regulation, Landfill Standards, and Thermal Treatment. Since the last reported violation in 1995 their have not been further violations or citations issued.

Based on the distance and current status of the facility it is unlikely that the CORRACTS site would result in a Recognized Environmental Concern on the subject property.

5.1.2 Federal RCRA Info

Kissimmee Field Station

The EPA's comprehensive information system, RCRA Info, provides information supporting the Resource Conservation Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database contains data including selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). URS reviewed the RCRA Info list and identified two facilities within the 1.0 mile boundary

search of the subject property. The following is a summary of the information provided in the EDR database review.

Florida Air Center, 4010 4th Street, Kissimmee, Florida 34741 was identified as a RCRA Conditionally Exempt Small Quantity Generator (CESQG) site and is located 706 feet south-east of the subject property. The facility EPA identification is FLD982084618 in EPA Region 4. The facility is classified as a RCRA-CESQG which generates 1,000 kilograms or less of hazardous waste per calendar month, and accumulates 6,000 kilograms or less of hazardous waste at any time. No violations have been reported at the site since it has opened in October 1996.

Highlift Helicopter, 51 North Hoagland Boulevard, Kissimmee, Florida 34741 was identified as a RCRA Conditionally Exempt Small Quantity Generator (CESQG) and FINDS site and is located 772 feet south, south-east of the subject property. The facility EPA identification is FLR000018531 in EPA Region 4. The facility is classified as a RCRA-CESQG which generates 1,000 kilograms or less of hazardous waste per calendar month, and accumulates 6,000 kilograms or less of hazardous waste at any time. No violations have been reported at the site since it has opened in September 2000.

Based on the distance and status of the facilities as a small quantity generators, it is unlikely that the RCRA-CESQG sites would result in a Recognized Environmental Concern on the subject property.

5.1.3 RCRA NonGen

Kissimmee Field Station

The EPA's comprehensive information system, RCRA Info, provides information supporting the Resource Conservation Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database contains data including selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). URS reviewed the RCRA Info list and identified two facilities within the 1.0 mile boundary search of the subject property. The following is a summary of the information provided in the EDR database review.

Highlift Helicopter, 51 North Hoagland Boulevard, Kissimmee, Florida 34741 was identified as a RCRA Non-Generator site and is located 462 north-west of the subject property. The facility EPA identification is FLR000065946 in EPA Region 4. The facility is classified as a RCRA-Non-Generator which handlers but does not generate hazardous waste. No violations have been reported at the site since it has opened in May 2000.

Based on the distance and status of the facility as a RCRA Non-Generator, it is unlikely that the RCRA NonGen site would result in a Recognized Environmental Concern on the subject property.

5.1.4 FDEP AST/UST and Leaking UST Sites (LUST) Listing (STI-02/PCT01)**Kissimmee Field Station**

The FDEP maintains a LUST/UST/AST List (STI-02/PCT01), which is a listing of facilities with underground storage tanks (USTs), aboveground storage tanks (ASTs) and leaking underground storage tanks (LUST). The database search identified two LUST sites, two UST sites, and two AST sites within a boundary search of 1.0 mile of the subject property. The following is a summary of the information provided in the EDR database review.

South Florida Water Management District – Kissimmee Field Station, 80 South Airport Road, (LUST, UST), Kissimmee, Florida 34741 was identified as a LUST and UST site which is the location of the subject property. The facility identification number for the site is 8520968. The LUST contaminate is listed as “Unleaded Gasoline” which was discharged in October 1989. Cleanup was required for the discharge and the discharge cleanup status is listed as “Completed”. A “No Further Action” status was approved in August 1995. The current facility status is reported as open. The facility is also listed as a UST site. The following USTs have been removed from the site: Two, 3,000-gallon USTs containing leaded gasoline and unleaded gasoline were installed in 1970 and removed in 1989, one, 1,500-gallon UST containing leaded gasoline was installed in 1966 and removed in 1989, one, 2,000-gallon UST containing vehicular diesel was installed in 1978 and removed in 1989, and one, 200-gallon UST containing leaded gasoline was installed in 1966 and removed in 1989. The following USTs have been installed and are in service at the site: Two, 4,000-gallon USTs containing unleaded gasoline and vehicular diesel were installed in 1989 and are currently listed as in service. The current facility status is reported as open. See Section 3.4.1 for additional information.

Junoir Davis Construction Company, 180 South Hoagland Boulevard, (LUST, AST), Indiantown, Florida 34956 was identified as a LUST and AST site and is located immediately south of the Kissimmee Field Station (approximately 518 feet south-east). The facility identification number for the site is 9700450. The LUST contaminate is listed as “Vehicular Diesel” which was discharged due to a secondary containment leak in January 2003. Cleanup was required for the discharge and the discharge cleanup status is listed as “Completed”. A “No Further Action” status was approved in September 2003. The current facility status is reported as open. The facility is also listed as an AST site. The following ASTs are in service at the site: one, 1,000-gallon AST containing “Waste Oil” which was installed in 2004 and two, 10,000-gallon ASTs containing “unleaded gasoline” and “vehicular diesel” which were installed in 1997. The current facility status is reported as open.

Classic British Aircraft Share LTD, 231 North Hoagland Boulevard, (UST), Kissimmee, Florida 34741 was identified as a UST site and is located 1,032 feet north, north-west of the subject property. The facility identification number for the site is 8627109. The following UST has been removed from the site: One, 15,000-gallon UST containing “Aviation Gasoline” was installed in 1984 and removed from the site in which a removal date was not reported. The current facility status is reported as closed.

Kissimmee Spring Water Company, 15 South Hoagland Boulevard, (AST), Kissimmee, Florida 34741 was identified as an AST site and is located 334 feet east, north-east of the subject property. The facility identification number for the site is 8839801. One, 55-gallon AST containing non-regulated fuel was

removed from the site, and two 110-gallon AST containing vehicular diesel were removed from the site. The current facility status is reported as closed.

Based on the distance and status of the facility, it is unlikely that the UST, AST, or LUST sites would result in a Recognized Environmental Concern on the subject property.

5.1.5 FL Sites

Kissimmee Field Station

The FDEP maintained a summary status report from a number of lists including the Eckhardt list, Moffit list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response Information System list, and existing department lists including uncontrolled Hazardous Waste Sites list. The FL Sites list is no longer updated by the FDEP as of December 1989. The following is a summary of the information provided in the EDR database review.

Osceola County LF – Kissimmee Aka “Bass Road”, Kissimmee, Florida was identified as a FL Site and is located 3,561 feet south-west of the subject property. The facility identification number for the site is 000110. According to the FL Sites database, the site has had monitoring and a Contamination Assessment Plan (CAP), Contamination Assessment Report (CAR), CAR approval, Remedial Action Plan (RAP), RAP comments, and revised RAP documents associated with the property. In the description the contaminate is not identified and the status is listed as active in April 11, 1985. Since the FL Sites list is no longer updated as of December 1989 the current status of the site is unknown.

Based on the distance and status of the facility, it is unlikely that the FL Site would result in a Recognized Environmental Concern on the subject property.

5.1.6 Ethylene Dibromide (DEDB)

Kissimmee Field Station

The FDEP maintains a list of ethylene dibromide (EDB) which has been detected in drinking water wells. The EDB database tracks the EDB concentrations that exceed the maximum contaminate level as stated in Chapters 62-550 or 520. The concentrations exhibited above the standards outlined in Chapters 62-550 or 520 is a potential threat to public health when in drinking water.

Not Reported, 15 South Airport Road, Kissimmee, Florida was identified as a DEBD site and is located 988 feet east of the subject property. The well identification number is 490000801 located at Latitude 28.28079 and Longitude 81.43611. The sample was reportedly collected on September 19, 1983 however the results were reported as less than zero(0.0) micrograms per Liter ($\mu\text{g/L}$) which is above the standard of 0.02 $\mu\text{g/L}$ established in Chapters 62-550 and 62-520, FAC. No additional information was provided in the EDR.

Based on the distance and status of the well results, it is unlikely that the DEBD site would result in a Recognized Environmental Concern on the subject property.

5.1.7 Orphan Sites

The EDR-supplied Orphan Sites List was reviewed which includes sites that have not been geocoded based on an absence of sufficient data regarding exact location. Based on the review of the Orphan Sites List, and area reconnaissance, none of these sites have the potential to create a Recognized Environmental Condition to the subject property.

5.2 Environmental Databases Review - Saint Cloud Annex

The information gathered from environmental databases through EDR was reviewed to evaluate if activities on or near the site could threaten the environmental quality of the subject property. The report provided by EDR is a review of database, compiled by Federal, State, and local governmental agencies within a specific radius of the project. For this project, the radius is 1.5 miles. The complete list of databases reviewed is included as **Appendix G**. It should be noted that this information is reported as URS received it from EDR. It is not possible for URS to verify the accuracy or completeness of information contained in these databases. However, the use of, and reliance upon this information is a generally accepted practice in the conduct of environmental due diligence investigations. The databases searched and the information obtained within these databases are summarized below.

SUMMARY OF ENVIRONMENTAL AGENCY DATA				
AGENCY DATABASE	SEARCH DISTANCE	DATE OF GOVERNMENT VERSION	SUBJECT PROPERTY LISTED	NUMBER OF SITES LISTED
National Priority List (NPL) for Superfund Sites	1.000 miles	4/30/2008	No	0
Proposed NPL	1.000 miles	4/30/08	No	0
Delisted NPL	1.000 miles	4/30/08	No	0
Federal Superfund Liens (NPL LIENS)	Subject Property	10/15/1991	No	0
Comprehensive Environmental Response, Compensation and Liability Index System (CERCLIS) List	0.500 miles	4/8/2008	No	0
CERCLIS – No Further Remedial Action Planned (CERCLIS-NFRAP)	0.500 miles	12/03/2007	No	0
Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS)	1.000 miles	3/26/2008	No	0
RCRA Permitted Treatment, Storage, and Disposal (TSD) Facilities	0.500 miles	3/6/2008	No	0
RCRA Registered Large Generators of Hazardous Waste (RCRA-LQG)	0.250 miles	3/6/2008	No	0
RCRA Registered Small Generators of Hazardous Waste (RCRA-SQG)	0.250 miles	3/6/2008	No	0
RCRA Non Generators (RCRA-NonGen)	0.250 miles	3/6/2008	No	0
Emergency Response Notification System (ERNS) List	Subject Property	12/31/2007	No	0
Hazardous Materials Information Reporting System (HMIRS)	Subject Property	12/31/2007	No	0
US Engineering Controls Site Listing (US ENG CONTROLS)	0.500 miles	4/4/2008	No	0
Brownfield Sites with Institutional Controls (US INST CONTROL)	0.500 miles	4/4/2008	No	0
Department of Defense Sites (DOD)	1.000 miles	12/31/2005	No	0
Formerly Used Defense Sites (FUDS)	1.000 miles	12/31/2006	No	0

SUMMARY OF ENVIRONMENTAL AGENCY DATA				
AGENCY DATABASE	SEARCH DISTANCE	DATE OF GOVERNMENT VERSION	SUBJECT PROPERTY LISTED	NUMBER OF SITES LISTED
Listing of Brownfield Sites (US BROWNFIELDS)	0.500 miles	4/1/2008	No	0
Superfund (CERCLA) Consent Decrees (CONSENT)	1.000 miles	2/8/2008	No	0
Records of Decision (ROD)	1.000 miles	1/14/2008	No	0
Uranium Mill Tailings Sites (UMTRA)	0.500 miles	7/13/2007	No	0
Open Dump Inventory (ODI)	0.500 miles	6/30/1985	No	0
Toxic Chemical Release Inventory System (TRIS)	Subject Property	12/31/2006	No	0
Toxic Substances Control Act (TSCA)	Subject Property	12/31/2002	No	0
FIFRA/TSCA Tracing System (FTTS)	Subject Property	4/11/2008	No	0
Section 7 Tracking Systems (SSTS)	Subject Property	12/31/2006	No	0
CERLA Lien Information (LIENS 2)	Subject Property	2/8/2008	No	0
Radiation Information Database (RADINFO)	Subject Property	4/29/2008	No	0
Clandestine Drug Labs (CDL)	Subject Property	9/1/2007	No	0
FIFRA/TSCA Tracking System Administrative Case Listing (HIST FTTS)	Subject Property	10/19/2006	No	0
Integrated Compliance Information System (ICIS)	Subject Property	2/28/0228	No	0
Land Use Control Information System (LUCIS)	0.500 miles	12/9/2005	No	0
Incident and Accident System (DOT OPS)	Subject Property	2/14/2008	No	0
PCB Activity Database System (PADS)	Subject Property	12/4/2007	No	0
Material Licensing Tracking System (MLTS)	Subject Property	4/22/2008	No	0
Mines Master Index File (MINES)	0.250 miles	2/7/2008	No	0
Facility Index System/Facility Registry System (FINDS)	Subject Property	4/3/2008	No	0
RCRA Administrative Action Tracking System (RAATS)	Subject Property	4/17/1995	No	0
State Hazardous Waste Sites (SHWS)	1.000 miles	1/22/2008	No	0
State Permitted Solid Waste Landfill, Incinerators or Transfer Stations (SWF/LF) List	0.500 miles	5/12/2008	No	0
State Leaking Underground Storage Tank (LUST) List	0.500 miles	5/1/2008	No	0
State Underground Storage Tanks (UST) List	0.250 miles	5/1/2008	No	0
State Regulated Aboveground Storage Tanks (AST)	0.250 miles	5/1/2008	No	0
Sites List (FL SITES)	1.000 miles	12/31/1989	No	0
Spills – Oil and Hazardous Material Incidents (SPILLS)	Subject Property	5/3/2008	No	0
Engineering Controls Site Listing (ENG CONTROLS)	0.500 miles	4/28/2008	No	0
Brownfield Institutional Control Site Listing (INST CONTROL)	0.500 miles	4/28/2008	No	0
State Voluntary Cleanup Program (VCP)	0.500 miles	3/24/2008	No	0

SUMMARY OF ENVIRONMENTAL AGENCY DATA				
AGENCY DATABASE	SEARCH DISTANCE	DATE OF GOVERNMENT VERSION	SUBJECT PROPERTY LISTED	NUMBER OF SITES LISTED
Drycleaner Facility Locations (DRYCLEANERS)	0.250 miles	5/1/2008	No	0
State Priority Cleaners (PRIORITYCLEANERS)	0.500 miles	6/1/2008	No	0
Ethylene Dibromide Database Results (DEDB)	0.500 miles	2/12/2008	No	2
Brownfield Sites (BROWNFIELDS)	0.500 miles	4/27/2008	No	0
Wastewater Facility Regulation Database (WASTEWATER)	Subject Property	5/7/2008	No	0
Permit and Emissions Inventory Data (AIRS)	Subject Property	6/18/2008	No	0
Cattle Dipping Vats (FL Cattle Dip. Vats)	0.500 miles	2/4/2005	No	0
Tier 2 Facility Listing (Tier 2)	Subject Property	4/1/2008	No	0
Indian Reservations (INDIAN RESERV)	1.000 miles	12/31/2005	No	0
INDIAN LUST Region 4 (R4)	0.500 miles	3/17/2008	No	0
INDIAN UST Region 4 (R4)	0.250 miles	3/17/2008	No	0
Manufactured Gas Plants	1.000 miles	N/A	No	0

5.2.1 Ethylene Dibromide (DEDB)

Saint Cloud Annex

The FDEP maintains a list of ethylene dibromide (EDB) which has been detected in drinking water wells. The EDB database tracks the EDB concentrations that exceed the maximum contaminate level as stated in Chapters 62-550 or 520. The concentrations exhibited above the standards outlined in Chapters 62-550 or 520 is a potential threat to public health when in drinking water.

Not Reported, 4165 POW-MIA Memorial, Saint Cloud, Florida was identified as a DEBD site and is located 2,599 feet north of the subject property. The well identification number is 490013401 located at Latitude 28.17314 and Longitude 81.27339. The sample was reportedly collected on September 20, 2004 however the results were reported as less than 0.25 µg/L which is above the standard of 0.02 µg/L established in Chapters 62-550 and 62-520, F.A.C. No additional information was provided in the EDR.

Not Reported, 4165 POW-MIA Memorial, Saint Cloud, Florida was identified as a DEBD site and is located 2,626 feet north, north-west of the subject property. The well identification number is 490011101 located at Latitude 28.17402 and Longitude 81.27205. The sample was reportedly collected on March 23, 2004, however the results were reported as less than 0.37 µg/L which is above the standard of 0.02 µg/L established in Chapters 62-550 and 62-520, F.A.C. No additional information was provided in the EDR.

Based on the distance and status of the well results, it is unlikely that the DEBD site would result in a Recognized Environmental Concern on the subject property.

5.2.2 Orphan Sites

The EDR-supplied Orphan Sites List was reviewed which includes sites that have not been geocoded based on an absence of sufficient data regarding exact location. Based on the review of the Orphan Sites List, and area reconnaissance, none of these sites have the potential to create a Recognized Environmental Condition to the subject property.

5.3 HISTORICAL SANBORN® MAP REVIEW

5.3.1 Kissimmee Field Station

Certified Sanborn® Maps for the subject property and adjacent properties were requested to evaluate potential environmental concerns. Based on the EDR certified Sanborn® map report, there were no maps found covering the requested property. The certified Sanborn® map report indicating that there are no maps for the Site is provided in **Appendix H**.

5.3.2 Saint Cloud Annex

Certified Sanborn® Maps for the subject property and adjacent properties were requested to evaluate potential environmental concerns. Based on the EDR certified Sanborn® map report, there were no maps found covering the requested property. The certified Sanborn® map report indicating that there are no maps for the Site is provided in **Appendix H**.

5.4 HISTORIC CITY DIRECTORIES

5.4.1 Kissimmee Field Station

A City Directory Abstract for the Kissimmee Field Station street address (80 South Hoagland Boulevard) was obtained from EDR. Based on the Kissimmee Field Station street address the adjacent Site address would be listed if an address was assigned to an adjacent property. Business directories including city, cross-reference and telephone directories were reviewed, if available, at approximately five-year intervals spanning 1925 through 1999. The Kissimmee Field Station street address (80 South Hoagland Boulevard) was listed in the 1994; however the adjacent properties to the east and south did not have an assigned street address. A summary of the listings identified are presented below. A copy of the City Directory Abstract is provided in **Appendix I**.

Site:

1925 to 1982	Address Not Listed in the Research Source
1994	Florida State Water Management
1994	Florida State Water Management

Site Vicinity:

1925 to 1982 Addresses Not Listed in the Research Source

1994 15 South Hoagland Boulevard - Kissimmee Spring Water Company
 108 South Hoagland Boulevard – Addresses Not Listed in the Research Source
 113 South Hoagland Boulevard – Addresses Not Listed in the Research Source
 180 South Hoagland Boulevard – Addresses Not Listed in the Research Source

1999 15 South Hoagland Boulevard – Clearridge Food Store
 108 South Hoagland Boulevard – Residence
 113 South Hoagland Boulevard – Not Verified
 180 South Hoagland Boulevard – Not Verified

5.4.2 Saint Cloud Annex

A City Directory Abstract for the Saint Cloud Annex street address (4175 Edsel Avenue) was obtained from EDR. Based on the Saint Cloud Annex street address the adjacent Site address would be listed if an address was assigned to an adjacent property. Business directories including city, cross-reference and telephone directories were reviewed, if available, at approximately five-year intervals spanning 1971 through 1999. The Saint Cloud Annex street address (4175 Edsel Avenue) was listed in the 1999 but not verified. A summary of the listings identified are presented below. A copy of the City Directory Abstract is provided in **Appendix I**.

Site:

1971 to 1994 Address Not Listed in the Research Source

1999 Address Listed but not verified

Site Vicinity:

1971 to 1994 Addresses Not Listed in the Research Source

1999 4140 Edsel Avenue – Not Verified
 4167 Edsel Avenue – Residence
 4171 Edsel Avenue – Residence

5.5 HISTORIC TOPOGRAPHIC MAPS

5.5.1 Kissimmee Field Station

USGS topographic maps of the property for the year 1953, 1970 photo revised from 1953, 1980 photo revised from 1953, and 1987 photo revised from 1953 were obtained from EDR (**Appendix J**). A summary of the findings from the review of topographic maps is provided below.

1953 - The Site appears with one structure and several structures visible to the east and south. Based on the historical topographic map, there is a road which binds the northern and eastern portions of the Site. The Kissimmee Airport is located east of the Site. One structure is visible south of the Site. The western portion of the property is bound by unimproved land followed by four groves. The remainder of the surrounding area is undeveloped with wetlands and depressional areas.

1970 - The Site appears with two structures and several additional structures to the northeast which are associated with the Kissimmee Airport. Based on the historical topographic map, there is a road which binds the northern and eastern portions of the Site. Several additional structures have been constructed to the north, east, and south of the Kissimmee Airport. One golf course is visible south of the airport. The western portion of the property is bound by unimproved land followed by six groves. The remainder of the surrounding area is undeveloped with wetlands and depressional areas.

1980 - The Site appears with three structures and additional structures to the northeast which are associated with the newly designated Kissimmee Municipal Airport. Based on the historical topographic map, there is a road which binds the northern and eastern portions of the Site. Several additional structures have been constructed to the north, east, and south of the Kissimmee Municipal Airport. Two golf courses are visible south of the airport. The western portion of the property is bound by unimproved land followed by six groves. The remainder of the surrounding area is undeveloped with wetlands and depressional areas.

1987 - The Site appears with four structures. Several additional structures have been constructed to the north, east, and south of the Kissimmee Municipal Airport. The western portion of the property is bound by unimproved land followed by four groves. The remainder of the surrounding area is undeveloped with wetlands and depressional areas. **Figure 1** is based on the 1987 topographic map, which is the most current USGS topographic map.

5.5.2 Saint Cloud Annex

USGS topographic maps of the property for the year 1953, 1970 photo revised from 1953, and 1980 photo revised from 1953 were obtained from EDR (**Appendix J**). A summary of the findings from the review of topographic maps is provided below.

1953 - The Site and the general vicinity appear as undeveloped property. Based on the historical topographic map, there is a canal which binds the eastern portion of the property. Canoe Creek Road is

visible east of the Site followed by undeveloped land and a large grove. The remainder of the surrounding area is undeveloped with wetlands, lakes, ponds, and depressional areas.

1970 - The Site and the general vicinity appear as undeveloped property with structures visible northwest and east of the Site. Based on the historical topographic map, there is a canal which binds the eastern portion of the property. Several groves appear to the north, east, and south of the Site. Canoe Creek Road is visible east of the Site followed by undeveloped land and a large grove. The remainder of the surrounding area is undeveloped with wetlands, lakes, ponds, and depressional areas.

1980 - Two structures are visible on the Site. Several additional structures appear north of the Site and one structure appears south of the Site. Three pits and ponds are visible east of the Site which appears to be associated with the grove areas. Several structures pits and ponds appear west of Canoe Creek Road. The remainder of the surrounding area is undeveloped with wetlands, lakes, ponds, and depressional areas. **Figure 1** is based on the 1980 topographic map, which is the most current USGS topographic map.

Based on our review of the historical topographic maps, URS did not identify potential Recognized Environmental Conditions on the Site or in adjoining areas.

5.6 TITLE RECORDS

The District did not provide URS with a preliminary title report or chain-of-title for the property, nor was the review of a title report or chain-of-title within the scope-of-services unless such documentation is provided.

5.7 CLIENT PROVIDED INFORMATION

As part of AAI, additional inquiries are required to be supplied by the District. These inquiries include:

- 1) Identification of environmental cleanup liens against the subject property;
- 2) Specialized knowledge or experience regarding the subject property;
- 3) Relationship of the purchase price to the fair market value if the subject property was not contaminated;
- 4) Commonly known or reasonably ascertainable information regarding the subject property; and
- 5) Degree of obviousness of the presence or likely presence of contamination at the subject property.

The District did not have additional inquiry information, which could be supplied to URS.

5.8 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

5.8.1 Kissimmee Field Station

Proposed AAI standards indicate that all information regarding the existence of environmental cleanup liens associated with the subject property must be provided to the environmental professional. URS ordered an Environmental Lien Report from Environmental Data Resources (EDR). There were no liens reported in the EDR Environmental LienSearch™ Report (**Appendix K**).

5.8.2 Saint Cloud Annex

Proposed AAI standards indicate that all information regarding the existence of environmental cleanup liens associated with the subject property must be provided to the environmental professional. URS ordered an Environmental Lien Report from Environmental Data Resources (EDR). There were no liens reported in the EDR Environmental LienSearch™ Report (**Appendix K**).

5.9 LOCAL REGULATORY AGENCY REVIEW

URS contacted the following regulatory agencies with regards to emergency responses, permits or licenses, tanks or other structures, property usage or inspection reports for the Sites and adjacent properties. The results of URS' local agency review are presented below.

5.9.1 Osceola County Property Appraiser

Kissimmee Field Station

URS obtained property information from the Osceola County Property Appraiser Website for the Site. The following information was found on the Osceola County Property Appraiser Website:

Owner Name:	Central & South Florida Flood Control District
Owner Mailing Address:	PO Box 1671 West Palm Beach, FL 33402
Location Address:	80 South Hoagland Boulevard
Municipality:	Osceola County
Parcel Control Number:	19-25-29-00-U0-006-00000
Number of Units:	5
Acres:	5.00

A copy of the Osceola County Property Appraiser parcel detail is included in **Appendix L**.

Saint Cloud Annex

URS obtained property information from the Osceola County Property Appraiser Website for the Site. The following information was found on the Osceola County Property Appraiser Website:

Owner Name:	Glenda and Thomas E. Hall
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Owner Mailing Address: 4155 Canoe Creek Road
Saint Cloud, FL 34772

Location Address: 4175 Edsel Avenue

Municipality: Osceola County

Parcel Control Number: 01-27-30-49-50-000-10595

Number of Units: 2

Acres: 2.5

A copy of the Osceola County Property Appraiser parcel detail is included in **Appendix L**.

5.9.2 Florida Department of Environmental Protection (FDEP)

Kissimmee Field Station

The Florida Department of Environmental Protection (FDEP) was contacted for information regarding historical and current uses of the subject property. The FDEP did not have additional information to that which can be viewed on the Oculus data management system. The most recent document on Oculus was an Annual Storage Tank Inspection report conducted on April 25, 2008. The inspection report stated that the facility was in compliance. The FDEP suggested also reviewing the storage tank website to view the historical and current tanks which are associated with the facility identification number.

Saint Cloud Annex

The FDEP was contacted for information regarding historical and current uses of the subject property. The FDEP stated that if the Site did not maintain a facility identification number they would not have any information.

5.9.3 Osceola County Fire Rescue

Kissimmee Field Station

The Osceola County Fire Rescue - Fire Prevention was contacted for information regarding the subject property. Fire Rescue stated that they were unaware of any type of spill or release of a hazardous substance near or around the subject property.

Saint Cloud Annex

The Osceola County Fire Rescue - Fire Prevention was contacted for information regarding the subject property. Fire Rescue stated that they were unaware of any type of spill or release of a hazardous substance near or around the subject property.

5.9.4 Osceola County Health Department**Kissimmee Field Station**

The Osceola County Health Department was contacted for information regarding the subject property, specifically information regarding onsite potable water wells and septic tanks. The Health Department was unaware of a potable water well located onsite; however the Health Department was aware of a septic system but did not have any information regarding permits or construction.

Saint Cloud Annex

The Osceola County Health Department was contacted for information regarding the subject property, specifically information regarding onsite potable water wells and septic tanks. The Health Department was aware of the potable water well and stated the well was permitted by the South Florida Water Management District; however the Health Department was unaware of permits regarding a septic system located on the subject property.

Based on the regulatory information obtained for the subject property, and the area reconnaissance, no current or past environmental issues were identified which have the potential to create a Recognized Environmental Condition to the subject property(s).

6.0 PHASE I ESA FINDINGS

During the Phase I ESA of the Kissimmee Field Station and Saint Cloud Annex properties, URS identified nine (9) potential areas of environmental concern associated with historical and current activities at the Kissimmee Field Station and two (2) potential areas of environmental concern associated with historical and current activities at the Saint Cloud Annex. The locations of the nine (9) areas of concern at the Kissimmee Field Station are illustrated on **Figure 3** and the two (2) areas of concern at the Saint Cloud Annex are illustrated on **Figure 4**. Based on the results of the Phase I ESA, including the review of historical aerial photographs, environmental reports, contacts with regulatory agencies, and observations made during the site reconnaissance, URS has identified the following areas of concern that required Phase II ESA intrusive investigations:

Kissimmee Field Station

- Maintenance Bays
- Former Hydraulic Lift
- Vehicle Wash Down Area
- Chemical Storage Building
- Open Air Storage Building
- Surface Water Runoff – South Side of Lot
- Truck Wash Down Area
- Underground Storage Tank (UST) Area
- Former Underground Storage Tank (UST) Area

Saint Cloud Annex

- Herbicide Container Staging Area
- Chemical Storage Building

7.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT

The Phase II ESA activities were based on the preliminary results of the Phase I ESA. The objective of the Phase II ESA was to further evaluate areas of potential environmental concern for the presence of contaminants. The assessment was conducted by collecting soil samples, installing temporary Geoprobe® well points, collecting groundwater and evaluating the collected field and analytical data.

The Phase II ESA included subsurface investigations of areas of potential concern identified in the Phase I ESA. The Phase II ESA scope of work included the following items:

- Evaluate soil and groundwater for the presence of contaminants originating from on-site sources;
- Develop budgetary cost estimates (if any) associated with site remediation based on results of the investigation.

The Phase I ESA identified nine (9) areas of potential environmental concern at the Kissimmee Field Station and two (2) areas of potential concern at the Saint Cloud Annex which include the following:

Kissimmee Field Station

- Maintenance Bays
- Former Hydraulic Lift
- Vehicle Wash Down Area
- Chemical Storage Building
- Open Air Storage Building
- Surface Water Runoff – South Side of Lot
- Truck Wash Down Area
- UST Area
- Former UST Area

Saint Cloud Annex

- Herbicide Container Staging Area
- Chemical Storage Building

7.1 CONSTITUENTS OF POTENTIAL CONCERN

There are three primary groups of Constituents of Potential Concern (COPCs) that could have impacted soil and groundwater at the Kissimmee Field Station and Saint Cloud Annex properties. These COPCs include agrochemical, petroleum constituents, and metals.

7.1.1 Agrochemicals

Based on the historical and observed site operations, the storage of agrochemicals, has historically been practiced at both sites. However, it is URS' understanding that the District has leased the Saint Cloud Annex property since 1989; therefore organochlorine pesticides by EPA Method 8081 were not analyzed since these chemicals were banned in the 1970's. Additionally it is URS' understanding that the District has only stored herbicides on the Saint Cloud Annex property therefore organophosphorous pesticides by EPA Method 8141 were not analyzed. Pesticide and/or herbicide storage could potentially have impacted the areas surrounding the Chemical Storage Buildings and Herbicide Container Staging Area. To evaluate the soil and groundwater for the presence of residual agrochemicals, soil and groundwater investigations were completed. During the Phase II ESA, select samples from the vicinity of the chemical storage areas were collected and analyzed for the following:

- Organochlorine Pesticides, (EPA Method 8081) – Kissimmee Field Station Only
- Organophosphorus Pesticides, (EPA Method 8141) – Kissimmee Field Station Only
- Chlorinated Herbicides, (EPA Method 8151) – Kissimmee Field Station and Saint Cloud Annex

7.1.2 Petroleum

Based on the observed site operations and interviews, maintenance and petroleum storage has historically been performed at the Site. Maintenance and petroleum storage could have potentially impacted areas within the Maintenance Bays, Former Hydraulic Lift, Vehicle Wash Down Area, Open Air Storage Building, Surface Water Runoff – South Side of Lot, Truck Wash Down Area, Underground Storage Tank (UST) Area, and Former UST area. To evaluate the soil and groundwater within these areas, soil and groundwater investigations were completed. During the Phase II ESA, select samples were collected and analyzed for the following:

- Purgeable Volatiles, (EPA Method 8021/8260)
- Purgeable Halocarbons, (EPA Method 8021/8260)
- Polynuclear Aromatic Hydrocarbons (PAHs), (EPA Method 8100/8270)
- Total Recoverable Petroleum Hydrocarbons (TRPHs), (FLPRO Method)
- Ethylene dibromide (EDB), (EPA Method 8260)

7.1.3 Metals

To evaluate metal constituents in the soil and groundwater within the Sites, select soil and groundwater samples were collected and analyzed for the following metals:

- Metals (Arsenic, Cadmium, Chromium, and Lead), (EPA Method 6020B)

7.2 GENERAL SAMPLING METHODOLOGY

The following sections detail the laboratory and general field methodology used for the sampling and analysis of soil and groundwater during the Phase II ESA at the subject properties. Discrete soil samples

were collected from each of the areas of potential environmental concern. Groundwater samples were collected from Geoprobe® well points advanced at the areas of potential environmental concern.

7.3 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Quality assurance procedures utilized during this assessment include compliance with the FDEP Standard Operating Procedures (SOP) for Laboratory Operation and Sample Collection Activities, URS' Quality Assurance Manual (QAM), and the District Quality Assurance Systems Requirements (QSAR). Laboratory analytical parameters, procedures, and quality control was conducted in accordance with Test Methods for Evaluating Solid Waste, Physical Chemical Methods, Third Edition (EPA SW-846) methodologies; method specific quality assurance protocols and control procedures outlined in the Palm Beach Environmental Laboratories, Inc. (PBEL) Comprehensive Quality Assurance Plan. In accordance with the District's QASR, blind duplicate samples were collected at a frequency of approximately 10%. As part of the QA/QC for this project, select soil samples: CSB-PW1 (DUP-1) and CSB-SB1(0-2) (DUP-2), collected from the Chemical Storage Building and SA-SB3(0-2) (DUP-3) and SA-WP1 (DUP4), collected from the Herbicide Container Staging Area were collected for duplicate analysis from the Saint Cloud Annex. Select soil samples: FHL-SB2(0-2) (DUP-5) and FHL-WP1 (DUP-6), collected from the Former Hydraulic Lift, VW-SB1(0-2) (DUP-7) and VW-WP1 (DUP-8), collected from the Vehicle Wash Down Area, OAS-SB1(0-2) (DUP-9) and OAS-WP1 (DUP-10), collected from the Open Air Storage Building, SWR-SB1(0-2) (DUP-11), collected from the Surface Water Runoff – South Side of Lot, FUST-SB3(2-4) (DUP-12) and FUST-WP1 (DUP-13), collected from the Former UST Area were collected for duplicate analysis from the Kissimmee Field Station.

One duplicate soil sample, DUP-3 exhibited arsenic above the Residential SCTL. The arsenic concentration in the parent sample, SA-SB3(0-2) was slightly below the Residential SCTL. The variations in concentrations are likely due to the heterogeneity of the soil sample. Overall, the soil and groundwater sample results indicated a good correlation in the parameters exhibited and concentrations between the parent sample and duplicate sample results. In summary, all of the analytical laboratory data were considered appropriate for use.

7.4 APPLICABLE REGULATORY STANDARDS

The soil contaminant concentrations were compared to the Residential, Commercial, and Leachability Based on Groundwater Criteria soil cleanup target levels (SCTLs) values as provided in Chapter 62-777 Florida Administrative Code (F.A.C). Constituents exhibited in the groundwater were evaluated using the groundwater cleanup target levels (GCTLs) and Primary/Secondary Drinking Water Standards as defined in Chapter 62-777 F.A.C and Chapter 62-550 F.A.C, respectively.

7.5 SOIL SAMPLING PROCEDURE

The primary objective for the collection and chemical analysis of soil samples was to evaluate the average concentrations of residual agrochemical constituents, specifically organochlorine pesticides, organophosphorus pesticides, chlorinated herbicides, and arsenic. Soil samples collected from areas

where potential petroleum impacts may have occurred were analyzed for purgeable volatiles, purgeable halocarbons, PAHs, TRPHs, EDB, cadmium, chromium, and lead.

A stainless steel hand auger was used to collect the soil samples. The soil samples collected from the Chemical Storage Areas and the Herbicide Container Staging Area were immediately placed into a stainless steel bowl. The soil samples collected from the Maintenance Bays, Former Hydraulic Lift, Vehicle Wash Down Area, Open Air Storage Building, Surface Water Runoff – South Side of Lot, Truck Wash Down Area, Underground Storage Tank (UST) Area, and Former UST area were screened for the presence of petroleum vapors using a Foxboro 128 organic vapor analyzer (OVA) equipped with a FID according to Chapter 62-770 F.A.C. Soils were additionally inspected for staining and unusual odors. The soil samples were collected for soil vapor headspace analysis to evaluate the presence of volatile organic vapors. A soil vapor analysis was performed by placing approximately 8-ounces of soil into a 16-ounce glass jar, covering the top of the jar with aluminum foil, allowing the sample to reach a temperature of approximately 20 degrees Celsius, and inserting an OVA probe through the foil, and measuring the organic vapors in the headspace with and without a carbon filter. Net OVA readings were then calculated subtracting the filter reading from the unfiltered reading. Soil sampling was conducted per the FDEP SOP and URS' QAM. The water table was approximately four feet below land surface (bls) on August 27 and 28, 2008.

Following soil sample collection and screening the samples were placed into a stainless steel bowl and thoroughly mixed with a stainless steel spoon. The stainless steel auger bucket, bowl, and spoon were decontaminated before the initial sample was collected and between each sampling location/event using a solution of Alconox™ and water followed by an isopropyl alcohol spray followed by a deionized water final rinse. At each sampling point, after screening the soils for petroleum, the soils were then placed into pre-cleaned laboratory bottle ware, labeled with the appropriate sample identification, and then preserved on ice in a cooler. A copy of the soil laboratory analytical reports and chain of custody records are included in **Appendix M**.

7.6 TEMPORARY MONITOR WELL INSTALLATION AND SAMPLING PROCEDURES

JAEE Environmental Services Inc. (JAEE), a state certified water well contractor, advanced Geoprobe® well points within the subject properties. The well points were advanced using a truck mounted Geoprobe® 6610DT. Following the completion of the boring to the desired depth, a stainless steel Geoprobe® stainless steel rod was then advanced to a depth of approximately 10 feet below land surface (BLS). Subsequently, a groundwater sample was collected using eight feet of stainless steel, 0.010-inch slotted well screen assemblies with a two foot solid stainless steel riser. The well screen was vertically placed to intercept the soil/groundwater interface. The annular space between the stainless steel Geoprobe® rod and the 0.010-inch slotted well screen assembly was filled with a 6/20 sand pack.

Once the temporary well point was advanced into the shallow groundwater table, new polyethylene tubing was inserted through the sampling tube to the bottom of the well screen. Using a peristaltic pump, groundwater was pumped through the tubing until it was visually clear and free of sand. After pumping 2

to 3 gallons of groundwater, groundwater samples were collected from the effluent line of the peristaltic pump directly into laboratory supplied pre-cleaned vials and bottleware. Labels were affixed to each vial and bottle depicting the job designation, well point identification, sample number, and the required laboratory analysis. Each sample vial or bottle was then preserved on ice in a cooler for transport to Palm Beach Environmental Laboratories Inc. (PBEL), following chain of custody procedures for analysis of the COPECs. A copy of the groundwater laboratory analytical reports and chain of custody records are included in **Appendix M**.

8.0 ASSESSMENT ACTIVITIES

As part of the Phase II ESA, soil borings and well points were advanced and soil and groundwater samples collected at the potential areas of concern, which included the Maintenance Bays, Former Hydraulic Lift, Vehicle Wash Down Area, Chemical Storage Building, Open Air Storage Building, Surface Water Runoff – South Side of Lot, Truck Wash Down Area, Underground Storage Tank (UST) Area, and Former UST Area within the Kissimmee Field Station and at the potential areas of concern, which included the Herbicide Container Staging Area and Chemical Storage Building within the Saint Cloud Annex. **Figure 3** is an aerial photograph illustrating the potential areas of concern at the Kissimmee Field Station. **Figure 4** is an aerial photograph illustrating the potential areas of concern at the Saint Cloud Annex. The following sections summarize the Phase II ESA activities according to the areas of potential environmental concern.

8.1 KISSIMMEE FIELD STATION

8.1.1 MAINTENANCE BAYS

The primary objective for the collection and chemical analysis of soil samples from the Maintenance Bays was to evaluate the soils for the presences of petroleum constituents, specifically purgeable volatiles, purgeable halocarbons, TRPHs, and lead. The Maintenance Bays consists of several petroleum containing containers and equipment. On August 27, 2008, four soil samples, designated MB-SB1 through MB-SB4, were collected and screened for petroleum vapors with an OVA. Samples were collected adjacent to the concrete foundation, adjacent to petroleum containing drums, and adjacent to a septic drainfield from the surface to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the OVA results and representative areas two soil samples, designated MB-SB1(0-2) and MB-SB4(2-4), were collected for analysis. The samples were analyzed by EPA Method 8021, FL-PRO Method, and lead, using the syringe method to achieve low detections.

On August 27, 2008, one Geoprobe[®] well point, MB-WP1, was advanced at the Maintenance Bays. The Geoprobe[®] well point MB-WP1 was installed at soil sample location MB-SB1(0-2). The sample was analyzed by EPA Method 8021, FL-PRO Method, and lead.

8.1.2 FORMER HYDRAULIC LIFT

The primary objective for the collection and chemical analysis of soil samples from the Former Hydraulic Lift was to evaluate the soils for the presences of petroleum constituents, specifically PAHs, TRPHs, cadmium chromium, and lead. The Former Hydraulic Lift was formerly located below ground but has been removed and filled with concrete. On August 27, 2008, five soil samples, designated FHL-SB1 through FHL-SB5, were collected and screened for petroleum vapors with an OVA. Samples were collected adjacent to the former hydraulic lift location from the surface to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the OVA results one soil sample, designated FHL-SB2(0-2), was collected for analysis. The samples were analyzed by EPA Method 8100, FL-PRO Method, cadmium, chromium, and lead, using the syringe method to achieve low detections.

On August 27, 2008, one Geoprobe® well point, FHL-WP1, was advanced at the Former Hydraulic Lift. The Geoprobe® well point FHL-WP1 was installed at soil sample location FHL-SB2(0-2). The sample was analyzed by EPA Method 8100, FL-PRO Method, cadmium, chromium, and lead.

8.1.3 VEHICLE WASH DOWN AREA

The primary objective for the collection and chemical analysis of soil samples from the Vehicle Wash Down Area was to evaluate the soils for the presences of petroleum constituents, specifically purgeable volatiles, purgeable halocarbons, TRPHs, and lead. The Vehicle Wash Down Area consists of a concrete pad which is sloped towards a trench drain which outfalls into a swale offsite. On August 28, 2008, four soil samples, designated VW-SB1 through VW-SB4, were collected and screened for petroleum vapors with an OVA. Samples were collected at the four corners of the concrete pad to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the OVA results and representative areas one soil sample, designated VW-SB1(0-2), was collected for analysis. The sample was analyzed by EPA Method 8021, FL-PRO Method, and lead, using the syringe method to achieve low detections.

On August 28, 2008, one Geoprobe® well point, VW-WP1, was advanced at the Vehicle Wash Down Area. The Geoprobe® well point VW-WP1 was installed at soil sample location VW-SB1(0-2). The sample was analyzed by EPA Method 8021, FL-PRO Method, and lead.

8.1.4 CHEMICAL STORAGE BUILDING

The primary objective for the collection and chemical analysis of soil samples from the Chemical Storage Building was to evaluate the soils for the presences of agrochemicals due to spills or mishandling of chemicals, specifically organochlorine and organophosphorous pesticides, and for herbicides by EPA Methods 8081, 8141, and 8151, respectively. In addition the samples were evaluated for arsenic. The Chemical Storage Building is a concrete cinder block building equipped with a floor drain which discharges to a secondary containment located on the southern portion of the structure. On August 28, 2008, two soil samples, designated CS-SB1 and CS-SB2, were collected and visually inspected for staining, discoloration, or unusual odors. Samples were collected adjacent to the secondary containment on the southern portion of the building and in front of the building near an open air storage area to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the onsite interview with Mr. Jeffrey Smith one soil sample, designated CS-SB1(0-2), was collected for analysis adjacent to the secondary containment where impacts would most likely occur. The sample was analyzed by EPA Methods 8081, 8141, 8151 and arsenic.

On August 28, 2008, one Geoprobe® well point, CS-WP1, was advanced at the Chemical Storage Building. The Geoprobe® well point CS-WP1 was installed at soil sample location CS-SB1(0-2). The sample was analyzed by EPA Methods 8081, 8141, 8151 and arsenic.

8.1.5 OPEN AIR STORAGE BUILDING

The primary objective for the collection and chemical analysis of soil samples from the Open Air Storage Building was to evaluate the soils for the presences of petroleum constituents, specifically purgeable volatiles, purgeable halocarbons, TRPHs, and lead. The Open Air Storage Building consists of vehicle storage areas and an equipment/maintenance area in the central portion of the building. On August 28,

2008, three soil samples, designated OAS-SB1 through OAS-SB3, were collected and screened for petroleum vapors with an OVA. Samples were collected at areas with visible staining adjacent to the concrete pad to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the OVA results and visually stained areas one soil sample, designated OAS-SB1(0-2), was collected for analysis. The sample was analyzed by EPA Method 8021, FL-PRO Method, and lead, using the syringe method to achieve low detections.

On August 28, 2008, one Geoprobe[®] well point, OAS-WP1, was advanced at the Open Air Storage Building. The Geoprobe[®] well point OAS-WP1 was installed at soil sample location OAS-SB1(0-2). The sample was analyzed by EPA Method 8021, FL-PRO Method, and lead.

8.1.6 SURFACE WATER RUNOFF – SOUTH SIDE OF LOT

The primary objective for the collection and chemical analysis of soil samples from the Surface Water Runoff – South Side of Lot was to evaluate the soils for the presences of petroleum constituents, specifically TRPHs. The Surface Water Runoff – South Side is a low lying area in the southern portion of the property which collects surface water runoff from a construction company vehicle wash area located on the adjacent site to the south. Once the surface water runoff flows on the Site it flows westward along the southern property boundary. On August 28, 2008, three soil samples, designated SWR-SB1 through SWR-SB3, were collected and screened for petroleum vapors with an OVA. Samples were collected in the flow direction of the surface water runoff to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the OVA results and representative areas two soil samples, designated SWR-SB1(0-2) and SWR-SB3(0-2), were collected for analysis. The samples were analyzed by FL-PRO Method.

The groundwater was not evaluated in this area, therefore no Geoprobe[®] well points were installed.

8.1.7 TRUCK WASH DOWN AREA

The primary objective for the collection and chemical analysis of soil samples from the Truck Wash Down Area was to evaluate the soils for the presences of petroleum constituents, specifically purgeable volatiles, purgeable halocarbons, TRPHs, and lead. The Truck Wash Down Area consists of two earthen driveways which sloped towards the southeast. On August 28, 2008, three soil samples, designated TW-SB1 through TW-SB3, were collected and screened for petroleum vapors with an OVA. Samples were collected at areas most likely to collect water following the wash down to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the OVA results and representative areas one soil sample, designated TW-SB1(0-2), was collected for analysis. The sample was analyzed by EPA Method 8021, FL-PRO Method, and lead, using the syringe method to achieve low detections.

On August 28, 2008, one Geoprobe[®] well point, TW-WP1, was advanced at the Truck Wash Down Area. The Geoprobe[®] well point TW-WP1 was installed at soil sample location TW-SB1(0-2). The sample was analyzed by EPA Method 8021, FL-PRO Method, and lead.

8.1.8 UNDERGORUND STORAGE TANK (UST) AREA

The primary objective for the collection and chemical analysis of soil samples from the UST Area was to evaluate the soils for the presences of petroleum constituents, specifically purgeable volatiles, purgeable

halocarbons, PAHs, and TRPHs. The UST Area consists of a concrete pad which is sloped southern towards a grassy area. On August 28, 2008, four soil samples, designated UST-SB1 through UST-SB4, were collected and screened for petroleum vapors with an OVA. Samples were collected at the four corners of the concrete pad to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the OVA results and representative areas two soil samples, designated UST-SB1(0-2) and UST-SB2(0-2), were collected for analysis. The samples were analyzed for the Kerosene Analytical Group by EPA Method 8021, EPA Method 8100, and FL-PRO Method, using the syringe method to achieve low detections.

On August 28, 2008, two Geoprobe[®] well points, UST-WP1 and UST-WP2, were advanced at the UST Area. The Geoprobe[®] well point UST-WP1 was installed at soil sample location UST-SB1(0-2) and UST-WP2 was installed at soil sample location UST-SB2(0-2). The samples were analyzed for the Kerosene Analytical Group by EPA Method 8021, EPA Method 8100, and FL-PRO Method.

8.1.9 FORMER UNDERGROUND STORAGE TANK (UST) AREA

The primary objective for the collection and chemical analysis of soil samples from the Former UST Area was to evaluate the soils for the presences of petroleum constituents, specifically purgeable volatiles, purgeable halocarbons, PAHs, and TRPHs. The Former UST Area consists of a concrete covered area which sloped inward towards the center of the former UST location. On August 28, 2008, five soil samples, designated FUST-SB1 through FUST-SB5, were collected and screened for petroleum vapors with an OVA. Samples were collected at the four corners of the concrete covered area and one soil sample was collected from the center of the former UST location to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the OVA results and representative areas two soil samples, designated FUST-SB3(2-4) and UST-SB4(2-4), were collected for analysis. The samples were analyzed for the Kerosene Analytical Group by EPA Method 8021, EPA Method 8100, and FL-PRO Method, using the syringe method to achieve low detections.

On August 28, 2008, two Geoprobe[®] well points, FUST-WP1 and FUST-WP2, were advanced at the Former UST Area. The Geoprobe[®] well point FUST-WP1 was installed at soil sample location FUST-SB3(2-4) and FUST-WP2 was installed at soil sample location FUST-SB4(2-4). The samples were analyzed for the Kerosene Analytical Group by EPA Method 8021, EPA Method 100, and FL-PRO Method.

8.2 SAINT CLOUD ANNEX

8.2.1 HERBICIDE CONTAINER STAGING AREA

The primary objective for the collection and chemical analysis of soil samples from the Herbicide Container Staging Area was to evaluate the soils for the presences of herbicides have impacted the area due to spills or mishandling of chemical containers. The Herbicide Container Staging Area is located on the southern and eastern fenced boundary of the Site immediately east of the Chemical Storage Area. The area consists of bare soil and herbicide containers are temporarily stored here prior to offsite use. On August 27, 2008, four soil samples, designated SA-SB1 through SA-SB4, were collected and visually inspected for staining, discoloration, or unusual odors. Samples were collected at equally spaced interval

across the staging area to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the previous container locations one soil sample, designated SA-SB3(0-2), was collected for analysis. The sample was analyzed by EPA Method 8151 and arsenic.

On August 27, 2008, one Geoprobe® well point, SA-WP1, was advanced at the Herbicide Container Staging Area. The Geoprobe® well point SA-WP1 was installed at soil sample location SA-SB3(0-2). The sample was analyzed by EPA Method 8151 and arsenic.

8.2.1 CHEMICAL STORAGE BUILDING

The primary objective for the collection and chemical analysis of soil samples from the Chemical Storage Area was to evaluate the soils for the presences of herbicides have impacted the area due to spills or mishandling of chemical containers. The Chemical Storage Area is located in the southwest corner of the property boundary. The Chemical Storage Area consists of a large warehouse used to temporarily store herbicide containers prior to offsite use. On August 27, 2008, three soil samples, designated CSB-SB1 through CSB-SB3, were collected and visually inspected for staining, discoloration, or unusual odors. Samples were collected at each of the buildings entrance bays to the top of the water table. The water table was encountered at a depth of four feet bgs. Based on the onsite interview with Mr. Jeffrey Smith one soil sample, designated CSB-SB1(0-2), was collected for analysis from the edge of the concrete pad in front of the bay which is most used. The sample was analyzed by EPA Method 8151 and arsenic.

O August 27, 2008, one water sample, CSB-WP1, was collected from a potable water supply well located approximately 45 feet north of the Chemical Storage Building. The water collected from the potable water supply well was analyzed by EPA Method 8151 and arsenic.

9.0 ASSESSMENT RESULTS

The following section summarizes the results of the Phase II ESA activities as conducted in each of the areas of the potential environmental concern.

9.1 KISSIMMEE FIELD STATION

9.1.1 MAINTENANCE BAYS

Soil Evaluation

Four soil borings, MB-SB1 through MB-SB4, were advanced in the vicinity of the Maintenance Bays. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. Soil samples were collected and screened for petroleum vapors with an OVA. The soil samples collected from the soil borings had OVA readings which were less than 1 ppm; therefore the soil samples were collected from areas which had the highest potential for impacts due to onsite activities. The soil sample collected from MB-SB1 was collected adjacent to the inverted drums and the second soil sample was collected adjacent to the septic drainfield. The soil samples did not appear stained and no petroleum or unusual odors were noted. The soil samples were identified as MB-SB1(0-2) and MB-SB4(2-4).

Soil samples MB-SB1(0-2) and MB-SB4(2-4) exhibited TRPH concentrations of 18.0 milligrams per kilogram (mg/kg) and 10.0 mg/kg, respectively, which are below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were below laboratory detection limits (BDL). The OVA results are summarized in **Table 1** and illustrated on **Figure 5**. The soil analytical results are summarized in **Table 2** and illustrated on **Figure 6**.

Groundwater Evaluation

One Geoprobe® well point, MB-WP1, was installed adjacent to soil sample location MB-SB1(0-2) to evaluate potential impacts from petroleum constituents. The groundwater sample was collected and analyzed by EPA Method 8021, FL-PRO Method, and lead. The laboratory analytical results for the groundwater samples were BDL for the parameters analyzed. The groundwater analytical results are summarized in **Table 3** and are illustrated on **Figure 6**.

9.1.2 FORMER HYDRAULIC LIFT

Soil Evaluation

Five soil borings, FHL-SB1 through FHL-SB5, were advanced in the vicinity of the Former Hydraulic Lift. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. Soil samples were collected and screened for petroleum vapors with an OVA. The soil sample collected from soil boring FHL-SB2 at 0 to 2 feet bgs had the highest net OVA reading of 25 ppm. The other soil samples had OVA readings which ranged from less than 1 ppm to 15 ppm. The soil sample collected from FHL-SB2(0-2) did not appear stained or have petroleum or chemical odors. In addition, the other soil samples collected did not appear stained and did not have petroleum or chemical odors. Two soil samples, FHL-SB2(0-2) and a duplicate sample DUP-5, were collected for analysis from the Former Hydraulic Lift area.

Soil samples FHL-SB2(0-2) and DUP-5 exhibited chromium concentrations of 4.9 mg/kg and 5.2 mg/kg, respectively, which are below applicable SCTLs. The remaining parameters analyzed, EPA Method 8100, TRPH, cadmium, and lead, were BDL. The OVA results are summarized in **Table 1** and illustrated on **Figure 7**. The soil analytical results are summarized in **Table 2** and illustrated on **Figure 8**.

Groundwater Evaluation

One Geoprobe[®] well point, FHL-WP1, was installed adjacent to soil sample location FHL-SB1(0-2) to evaluate potential impacts from petroleum constituents. In addition one duplicate sample, DUP-6, was collected for analysis. The groundwater samples were collected and analyzed by EPA Method 8100, FL-PRO Method, cadmium, chromium, and lead. Groundwater samples FHL-WP1 and DUP-6 exhibited chromium concentrations of 0.026 milligrams per Liter (mg/L) and 0.006 mg/kg, respectively, which are below applicable GCTLs. The remaining parameters analyzed, EPA Method 8100, TRPH, cadmium, and lead, were BDL. The groundwater analytical results are summarized in **Table 3** and are illustrated on **Figure 8**.

9.1.3 VEHICLE WASH DOWN AREA

Soil Evaluation

Four soil borings, VW-SB1 through VW-SB4, were advanced in the four corners of the vehicle wash concrete pad of the Vehicle Wash Down Area. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. Soil samples were collected and screened for petroleum vapors with an OVA. The soil sample collected from soil boring VW-SB1 at 0 to 2 feet bgs had the highest net OVA reading of 2 ppm. The other soil samples had OVA readings of less than 1 ppm. The soil sample collected from VW-SB1(0-2) did not appear stained or have petroleum or chemical odors. In addition, the other soil samples collected did not appear stained and did not have petroleum or chemical odors. Two soil samples, VW-SB1(0-2) and a duplicate sample DUP-7, were collected for analysis from the Vehicle Wash Down Area.

The soil samples VW-SB1(0-2) and DUP-7 exhibited TRPH concentrations of 14.3 mg/kg and 5.00 mg/kg, respectively, which are below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. The OVA results are summarized in **Table 1** and illustrated on **Figure 9**. The soil analytical results are summarized in **Table 2** and illustrated on **Figure 10**.

Groundwater Evaluation

One Geoprobe[®] well point, VW-WP1, was installed adjacent to soil sample location VW-SB1(0-2) to evaluate potential impacts from petroleum constituents. In addition one duplicate sample, DUP-8, was collected for analysis. The groundwater sample was collected and analyzed by EPA Method 8021, FL-PRO Method, and lead. The laboratory analytical results for the groundwater samples were BDL. The groundwater analytical results are summarized in **Table 3** and are illustrated on **Figure 10**.

9.1.4 CHEMICAL STORAGE BUILDING

Soil Evaluation

Two soil borings, CS-SB1 and CS-SB2, were advanced at the Chemical Storage Building. One soil boring was adjacent to the secondary containment on the southern portion of the building and one soil boring was advanced in front of the building near an open air storage area. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. The soil borings did not appear stained, discolored, or have unusual odors; therefore soil sample CS-SB1(0-2) was collected for analysis adjacent to the secondary containment where impacts would most likely occur.

Soil sample CS-SB1(0-2) exhibited arsenic at 0.57 mg/Kg, which is below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8081, 8141, and 8151, were BDL. The soil analytical results are summarized in **Table 4** and illustrated on **Figure 11**.

Groundwater Evaluation

One Geoprobe® well point, CS-WP1, was installed adjacent to soil sample location CS-SB1(0-2) to evaluate potential impacts from agrochemical constituents which may have been discharged into the secondary containment. The groundwater sample was collected and analyzed by EPA Methods 8081, 8141, 8151, and arsenic. The laboratory analytical results for the groundwater samples were BDL. The groundwater analytical results are summarized in **Table 5** and are illustrated on **Figure 11**.

9.1.5 OPEN AIR STORAGE BUILDING

Soil Evaluation

Three soil borings, OAS-SB1 through OAS-SB3, were advanced in areas with evidence of staining or potential areas of impacts were observed around the perimeter of the Open Air Storage Building. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. Soil samples were collected and screened for petroleum vapors with an OVA. The soil samples collected from the soil borings had OVA readings which were less than 1 ppm; therefore the soil sample was collected from an area where the asphalt was visually stained due to onsite activities. The soil sample collected from OAS-SB1 was collected adjacent to the concrete pad immediately below the stained asphalt on the eastern portion of the building. The soil sample did not appear stained and no petroleum or unusual odors were noted. In addition, the other soil samples collected did not appear stained and did not have petroleum or chemical odors. Two soil samples, OAS-SB1(0-2) and a duplicate sample DUP-9, were collected for analysis from the Open Air Storage Building.

The soil samples OAS-SB1(0-2) and DUP-9 exhibited TRPH concentrations of 6.40 mg/kg and 4.62 mg/kg, respectively, which are below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. The OVA results are summarized in **Table 1** and illustrated on **Figure 12**. The soil analytical results are summarized in **Table 2** and illustrated on **Figure 13**.

Groundwater Evaluation

One Geoprobe® well point, OAS-WP1, was installed adjacent to soil sample location OAS-SB1(0-2) to evaluate potential impacts from petroleum constituents. In addition one duplicate sample, DUP-10, was

collected for analysis. The groundwater sample was collected and analyzed by EPA Method 8021, FL-PRO Method, and lead. The laboratory analytical results for the groundwater samples were BDL. The groundwater analytical results are summarized in **Table 3** and are illustrated on **Figure 13**.

9.1.6 SURFACE WATER RUNOFF – SOUTH SIDE OF LOT

Soil Evaluation

Three soil borings, SWR-SB1 through SWR-SB4, were advanced along the southern boundary of the property to evaluate surface water runoff from the construction company's vehicle wash area. The soil borings were advanced in the flow direction of the surface water runoff to the top of the water table which was encountered at four feet bgs. Soil samples were collected and screened for petroleum vapors with an OVA. The soil samples collected from the soil borings had OVA readings which were less than 1 ppm; therefore the soil samples were collected from areas which had the highest potential for impacts due to surface water runoff from the adjacent construction company. The soil sample did not appear stained and no petroleum or unusual odors were noted. The soil sample collected from SWR-SB1 was collected adjacent to construction company's vehicle wash area and the second soil sample, SWR-SB-3, was collected were water collects at the terminus of the westward flow direction. The soil samples were identified as SWR-SB1(0-2) and SWR-SB3(0-2). In addition, one duplicated soil sample DUP-11 was collected from soil sample location SWR-SB1(0-2).

Soil samples SWR-SB1(0-2), DUP-11, and SWR-SB3(0-2) exhibited TRPH concentrations of 13.8 mg/kg, less than 0.170 mg/kg, and less than 0.170 mg/kg, respectively, which are below applicable SCTLs. The OVA results are summarized in **Table 1** and illustrated on **Figure 14**. The soil analytical results are summarized in **Table 2** and illustrated on **Figure 15**.

Groundwater Evaluation

Groundwater within the Surface Water Runoff area was not evaluated as part of the Phase II ESA activities.

9.1.7 TRUCK WASH DOWN AREA

Soil Evaluation

Three soil borings, TW-SB1 through TW-SB3, were advanced in areas most likely to collect water or become impacted in the vicinity of the Truck Wash Down Area. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. Soil samples were collected and screened for petroleum vapors with an OVA. The soil sample collected from soil boring TW-SB1 at 0 to 2 feet bgs had the highest net OVA reading of 8 ppm. The other soil samples had OVA readings of less than 1 ppm. The soil sample collected from VW-SB1(0-2) did not appear stained or have petroleum or chemical odors. In addition, the other soil samples collected did not appear stained and did not have petroleum or chemical odors. One soil sample, TW-SB1(0-2), was collected for analysis from the Truck Wash Down Area.

Soil sample VW-SB1(0-2) was analyzed by EPA Method 8021, TRPH, and lead, in which all analytical results were BDL. The OVA results are summarized in **Table 1** and illustrated on **Figure 16**. The soil analytical results are summarized in **Table 2** and illustrated on **Figure 17**.

Groundwater Evaluation

One Geoprobe® well point, TW-WP1, was installed adjacent to soil sample location TW-SB1(0-2) to evaluate potential impacts from petroleum constituents. The groundwater sample was collected and analyzed by EPA Method 8021, FL-PRO Method, and lead. Groundwater TW-WP1 exhibited TRPH at 1.07 milligrams per Liter (mg/L), which is below applicable GCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. The groundwater analytical results are summarized in **Table 3** and are illustrated on **Figure 17**.

9.1.8 UNDERGROUND STORAGE TANK (UST) AREA

Soil Evaluation

Four soil borings, UST-SB1 through UST-SB4, were advanced at the four corners of the concrete pad covering the UST Area. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. Soil samples were collected and screened for petroleum vapors with an OVA. The soil samples collected from soil borings UST-SB1 and UST-SB2 at 0 to 2 feet bgs had the highest net OVA readings of 13 ppm and 35 ppm, respectively. The other soil samples had OVA readings which ranged from less than 1 ppm to 8 ppm. The soil sample collected from UST-SB1(0-2) did not appear stained or have petroleum or chemical odors; however the soil sample collected from UST-SB2(0-2) had a slight petroleum odor. The other soil samples collected did not appear stained and did not have petroleum or chemical odors. Two soil samples, UST-SB1(0-2) and UST-SB2(0-2), were collected for analysis from the UST Area and analyzed for the Kerosene Analytical Group by EPA Method 8021, EPA Method 8100, and FL-PRO Method.

Soil samples UST-SB1(0-2) and UST-SB2(0-2) exhibited TRPH concentrations of less than 0.170 mg/kg and 49.6 mg/kg, respectively, which are below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8021 and 8100, were BDL. The OVA results are summarized in **Table 1** and illustrated on **Figure 18**. The soil analytical results are summarized in **Table 2** and illustrated on **Figure 19**.

Groundwater Evaluation

Two Geoprobe® well points, USTW-WP1 and UST-WP2, were installed adjacent to soil sample locations UST-SB1(0-2) and UST-SB2(0-2), respectively, to evaluate potential impacts from petroleum constituents. The groundwater samples were collected and analyzed by EPA Methods 8021, 8100, FL-PRO Method, and lead. The laboratory analytical results for the groundwater samples were BDL for the parameters analyzed. The groundwater analytical results are summarized in **Table 3** and are illustrated on **Figure 19**.

9.1.9 FORMER UNDERGROUND STORAGE TANK (UST) AREA

Soil Evaluation

Five soil borings, FUST-SB1 through FUST-SB5, were advanced at the four corners of the concrete covered area covering the Former UST Area and one soil sample was collected from the center of the former UST location. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. Soil samples were collected and screened for petroleum vapors with an OVA. The soil samples collected from soil borings FUST-SB3 and FUST-SB4 at 2 to 4 feet bgs had the highest net OVA readings of 55 ppm and 20 ppm, respectively. The other soil samples had OVA readings which ranged from less than 1 ppm to 10 ppm. The soil sample collected from FUST-SB3(2-4) had a faint petroleum odor; however the soil sample collected from FUST-SB4(2-4) did not appear stained or have petroleum or chemical odors. The other soil samples collected did not appear stained and did not have petroleum or chemical odors. Two soil samples, FUST-SB3(0-2) and FUST-SB4(0-2), were collected for analysis from the UST Area and analyzed for the Kerosene Analytical Group by EPA Method 8021, EPA Method 8100, and FL-PRO Method. In addition, one duplicated soil sample DUP-12 was collected from soil sample location FUST-SB3(2-4).

Soil samples FUST-SB3(2-4), DUP12, and FUST-SB4(2-4) exhibited TRPH concentrations of 16.6 mg/kg, 2.00 mg/kg, and less than 0.170 mg/kg, respectively, which are below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8021 and 8100, were BDL. The OVA results are summarized in **Table 1** and illustrated on **Figure 20**. The soil analytical results are summarized in **Table 2** and illustrated on **Figure 21**.

Groundwater Evaluation

Two Geoprobe[®] well points, FUSTW-WP1 and FUST-WP2, were installed adjacent to soil sample locations FUST-SB3(2-4) and FUST-SB4(2-4), respectively, to evaluate potential impacts from petroleum constituents. In addition, one duplicated sample DUP-13 was collected for analysis from well point location FUST-WP1.

The groundwater samples were collected and analyzed by EPA Methods 8021, 8100, FL-PRO Method, and lead. Groundwater FUST exhibited TRPH at 1.01 mg/L, which is below applicable GCTLs. The remaining parameters analyzed, EPA Method 8021, FL-PRO Method, and lead, were BDL. The groundwater analytical results are summarized in **Table 3** and are illustrated on **Figure 21**.

9.2 SAINT CLOUD ANNEX

9.2.1 HERBICIDE CONTAINER STAGING AREA

Soil Evaluation

Four soil borings, SA-SB1 through SA-SB4, were advanced at the Herbicide Container Staging Area. Soil borings were advanced at equally spaced intervals across the staging area to evaluate the soils for the presences of herbicides which may have impacted the area due to spills or mishandling of chemical containers. The staging area consists of bare soil and grass. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. The soil borings did not appear stained,

discolored, or have unusual odors; therefore two soil samples, SA-SB3(0-2) and DUP-3, were collected for analysis based on the previous container staging locations.

Soil sample SA-SB3(0-2) exhibited arsenic at 2.02 mg/Kg, which is slightly below the Residential SCTL of 2.1 mg/kg. The duplicate sample, DUP-3, collected from the same location exhibited arsenic at 2.92 mg/kg, which is slightly above the Residential SCTL of 2.1 mg/kg. The EPA Method 8151 constituents were BDL. The soil analytical results are summarized in **Table 4** and illustrated on **Figure 22**.

Groundwater Evaluation

One Geoprobe® well point, SA-WP1, was installed adjacent to soil sample location SA-SB3(0-2) to evaluate potential impacts from agrochemical constituents which may have impacted the area due to spills or mishandling of chemical containers. In addition one duplicate sample, DUP-4, was collected for analysis. The groundwater samples were collected and analyzed by EPA Method 8151 and arsenic. The laboratory analytical results for the groundwater samples were BDL for the parameters analyzed. The groundwater analytical results are summarized in **Table 5** and are illustrated on **Figure 22**.

9.2.2 CHEMICAL STORAGE BUILDING

Soil Evaluation

Three soil borings, CSB-SB1, CSB-SB2, and CSB-SB3, were advanced at the Chemical Storage Building. Soil borings were advanced at each of the buildings entrance bays to evaluate the soils for the presences of herbicides which may have impacted the area due to spills or mishandling of chemical containers. The entrance bay areas consisted of concrete pads which terminated away from the building to bare soil. The soil borings were advanced to the top of the water table which was encountered at four feet bgs. The soil borings did not appear stained, discolored, or have unusual odors; therefore two soil samples, CSB-SB1(0-2) and DUP-2, were collected for analysis from the edge of the concrete pad in front of the bay which is most used.

Soil samples CSB-SB1(0-2) and DUP-2 exhibited arsenic at 0.68 mg/kg and 1.30 mg/kg, respectively, which is below the Residential SCTL of 2.1 mg/kg. The EPA Method 8151 constituents were BDL. The soil analytical results are summarized in **Table 4** and illustrated on **Figure 23**.

Groundwater Evaluation

One water sample, CSB-WP1, was collected from a potable water supply well located approximately 45 feet north of the Chemical Storage Building to evaluate potential impacts from agrochemical constituents which may have impacted the area due to spills or mishandling of chemical containers. In addition one duplicate sample, DUP-1, was collected for analysis. The groundwater samples were collected from the potable water supply well and analyzed by EPA Method 8151 and arsenic. The laboratory analytical results for the groundwater samples collected from the potable water supply well were BDL for the parameters analyzed. The groundwater analytical results are summarized in **Table 5** and are illustrated on **Figure 23**.

10.0 FINDINGS AND RECOMMENDATIONS

URS Corporation (URS) was retained by the South Florida Water Management District (District) to conduct a Phase I/Phase II Environmental Site Assessment (ESA) of the Kissimmee Field Station and Saint Cloud Annex, totaling approximately 5.35-acres and 1.15-acres, respectively, herein referred to as the subject properties. The Kissimmee Field Station is located at 80 South Hoagland Boulevard, Kissimmee, Florida which is situated south of Fifth Street and east of South Hoagland Boulevard. The Saint Cloud Annex is located at 4175 Edsel Avenue, Saint Cloud, Florida which is situated east of Edsel Avenue and north of Quail Roost Road. It is URS' understanding that the District plans to relocate the Kissimmee Field Station operations to a new location, and discontinue operations at the Saint Cloud Annex. Prior to ceasing operations on the properties, the District wants to document the soil and groundwater quality at potential point sources on each of the properties.

The Kissimmee Field Station is located in Section 19, Township 25 South, Range 29 East. The Kissimmee Field Station is approximately 5.35-acres in size and consists of administrative buildings, two open-air buildings used for maintenance and equipment/machinery storage, a chemical storage building, a boneyard and a re-fueling area with underground storage tanks. The Saint Cloud Annex is located in Section 1, Township 27 South, Range 30 East. The Saint Cloud Annex is approximately 1.15-acres in size and consists of a combination administration office/chemical storage building, chemical staging area, and a vehicle storage area.

The purpose of the Phase I was to evaluate the historical and present use and activities on or near the subject property(s) which may have resulted in the contamination by hazardous substances, including petroleum and agrochemicals, which may represent a "Recognized Environmental Concern". The Phase II ESA was conducted concurrent with the Phase I ESA to evaluate those areas determined to be a Recognized Environmental Concern by soil and groundwater sampling and laboratory analysis. These samples were analyzed for potential impacts through handling and use of hazardous substances or materials. The soil and groundwater analytical results were reviewed from the Phase II ESA to evaluate the necessity for additional assessment and/or corrective actions.

During the Phase I investigation and taking into consideration the intended use of the subject property the following areas were considered Recognized Environmental Concerns:

Kissimmee Field Station

- Maintenance Bays
- Former Hydraulic Lift
- Vehicle Wash Down Area
- Chemical Storage Building
- Open Air Storage Building

-
- Surface Water Runoff – South Side of Lot
 - Truck Wash Down Area
 - UST Area
 - Former UST Area

Saint Cloud Annex

- Herbicide Container Staging Area
- Chemical Storage Building

As part of the Phase II ESA investigation soil and groundwater sampling were performed in the above referenced areas of potential concern in order to determine the presence or absence of contamination from hazardous substances and waste due to historical or current land use. During the Phase II ESA conducted at the Kissimmee Field Station, a total of 33 soil borings were advanced and 10 temporary Geoprobe® well points were installed resulting in the collection of 13 soil samples, 5 confirmation soil samples, 10 groundwater samples, and 4 confirmation groundwater samples. During the Phase II ESA conducted at the Saint Cloud Annex, a total of 7 soil borings were advanced, 1 temporary Geoprobe® well point was installed, and potable water well was sampled resulting in the collection of 2 soil samples, 2 confirmation soil samples, 2 groundwater samples, and 2 confirmation groundwater samples. The following are the results of the Phase II ESA and URS' conclusions and recommendations:

10.1 KISSIMMEE FIELD STATION

10.1.1 MAINTENANCE BAYS

- Two soil samples MB-SB1(0-2) and MB-SB4(2-4) exhibited low TRPH concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. No petroleum constituents were identified in the groundwater sample collected at the Maintenance Bays.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Maintenance Bays.

10.1.2 FORMER HYDRAULIC LIFT

- Two soil samples FHL-SB2(0-2) and DUP-5 exhibited low chromium concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Method 8100, TRPH, cadmium, and lead, were BDL. Groundwater samples FHL-WP1 and DUP-6 exhibited low chromium concentrations below applicable GCTLs. The remaining parameters analyzed, EPA Method 8100, TRPH, cadmium, and lead, were BDL.

-
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Former Hydraulic Lift.

10.1.3 VEHICLE WASH DOWN AREA

- Two soil samples VW-SB1(0-2) and DUP-7 exhibited low TRPH concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. No petroleum constituents were identified in the groundwater samples collected at the Vehicle Wash Down Area.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Vehicle Wash Down Area.

10.1.4 CHEMICAL STORAGE BUILDING

- One soil sample CS-SB1(0-2) exhibited a low arsenic concentration below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8081, 8141, and 8151, were BDL. No pesticide or herbicide constituents were identified in the groundwater sample collected at the Chemical Storage Building.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Chemical Storage Building.

10.1.5 OPEN AIR STORAGE BUILDING

- Two soil samples OAS-SB1(0-2) and DUP-9 exhibited low TRPH concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL. No petroleum constituents were identified in the groundwater sample collected at the Open Air Storage Building.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Open Air Storage Building.

10.1.6 SURFACE WATER RUNOFF – SOUTH SIDE OF LOT

- One soil sample SWR-SB1(0-2) exhibited a low TRPH concentration below applicable SCTLs. There was no groundwater samples collected at the Surface Water Runoff – South Side of Lot area.
- Based on the soil analytical results, URS recommends that no additional assessment is warranted with respect to the soil quality at the Surface Water Runoff – South Side of Lot area.

10.1.7 TRUCK WASH DOWN AREA

- One soil sample TW-SB1(0-2) was collected from the Truck Wash Down Area. The parameters analyzed, EPA Method 8021, TRPH, and lead, were BDL. Groundwater samples TW-WP1 exhibited a low TRPH concentration below applicable GCTLs. The remaining parameters analyzed, EPA Method 8021 and lead, were BDL.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Truck Wash Down Area.

10.1.8 UNDERGROUND STORAGE TANK (UST) AREA

- One soil sample UST-SB2(0-2) exhibited a low TRPH concentration below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8021 and 8100, were BDL. No petroleum constituents were identified in the groundwater samples collected at the Underground Storage Tank Area.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Underground Storage Tank Area.

10.1.9 FORMER UNDERGROUND STORAGE TANKS (UST) AREA

- Two soil samples FUST-SB3(2-4) and DUP12 exhibited low TRPH concentrations below applicable SCTLs. The remaining parameters analyzed, EPA Methods 8021 and 8100, were BDL. Groundwater samples FUST-WP1 exhibited a low TRPH concentration below applicable GCTLs. The remaining parameters analyzed, EPA Method 8021, EPA Method 8100 and lead, were BDL.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Former Underground Storage Tank Area.

10.2 SAINT CLOUD ANNEX**10.2.1 HERBICIDE CONTAINER STAGING AREA**

- One soil sample SA-SB3(0-2) exhibited a low arsenic concentration slightly below the Residential SCTLs. The duplicate sample, DUP-3, collected from the same location exhibited arsenic at 2.92 mg/kg, which is slightly above the Residential SCTL of 2.1 mg/kg. The herbicide

constituents were BDL for both soil samples. No arsenic or herbicide constituents were identified in the groundwater sample collected at the Herbicide Container Staging Area.

- Based on the laboratory analytical results, there is a potential for low arsenic concentrations through the Herbicide Container Staging Area. However, there is no arsenic or herbicide constituents present in the groundwater above applicable GCTLs.
- **Slightly elevated arsenic concentrations were exhibited in one soil sample. URS recommends that the soil in the area be evaluated with respect to arsenic. An additional 10 soil samples should be collected and analyzed for arsenic to determine if elevated arsenic is present in the soil at the Site.**

The cost for the additional assessment is **\$3,965**. The cost table associated with a breakdown of the additional assessment is included in **Appendix N**.

10.2.2 CHEMICAL STORAGE BUILDING

- Two soil samples CSB-SB1(0-2) and DUP-2 exhibited low arsenic concentrations below applicable SCTLs. The remaining parameter analyzed, EPA Method 8151, was BDL. Two groundwater samples CSB-WP1 and DUP-1 were collected from potable water well located approximately 45 feet north of the Chemical Storage Building and sampled for arsenic and by EPA Method 8151. No arsenic or herbicide constituents were identified in the groundwater sample collected from the potable water well at the Chemical Storage Building.
- Based on the soil and groundwater analytical results, URS recommends that no additional assessment is warranted with respect to the soil and groundwater quality at the Chemical Storage Building.

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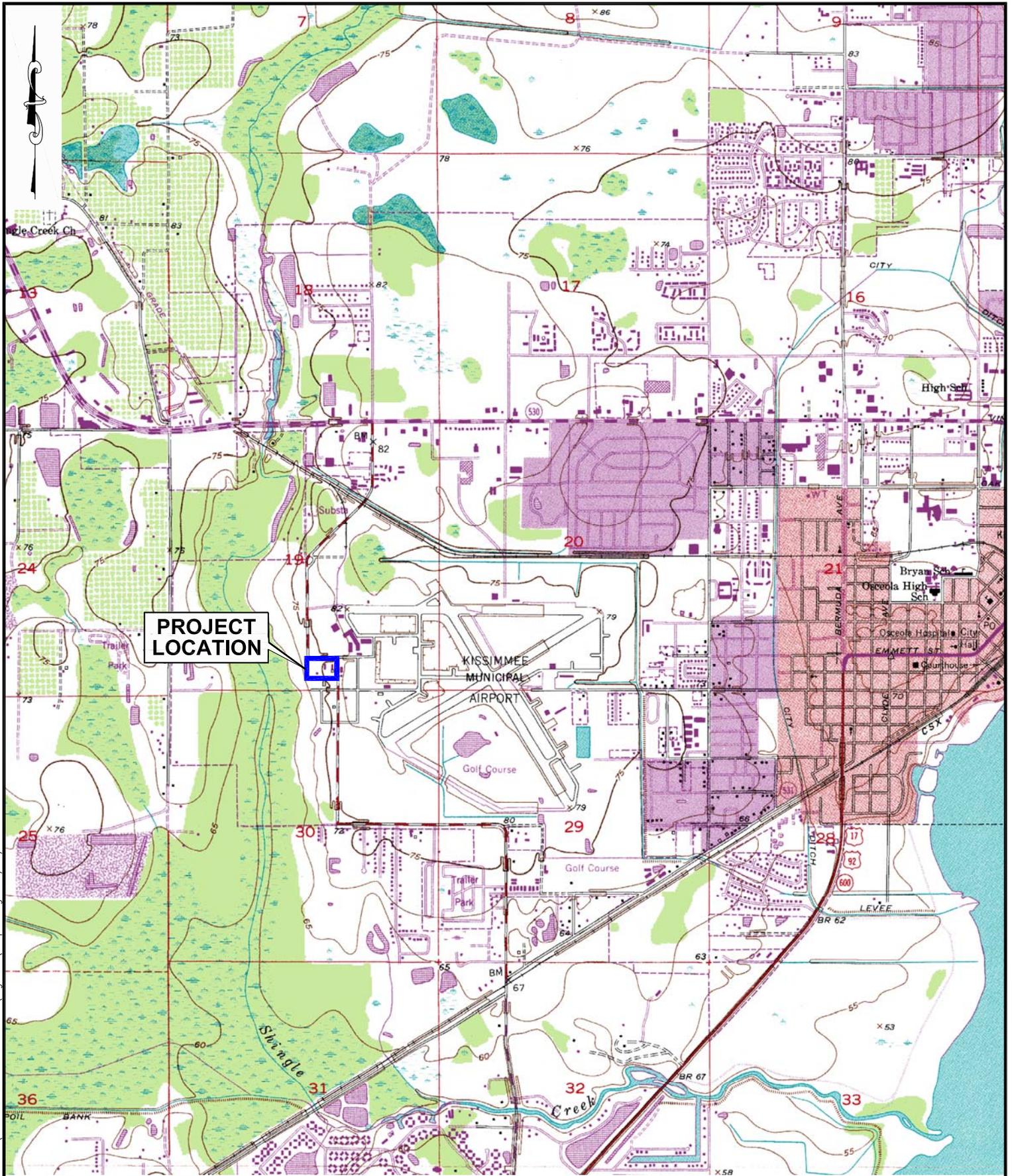
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FIGURES



PROJECT LOCATION



USGS 7.5 MINUTE TOPOGRAPHIC QUAD MAP
TITLE: KISSIMMEE, FLORIDA
PHOTOREVISED: 1987

GENERAL SITE VICINITY

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RAC
CHECKED BY:
EL
DATE:
SEPT_08



7800 CONGRESS AVENUE, SUITE 200
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PHONE: (561) 994-6500
FAX: (561) 994-6524

KISSIMMEE FIELD STATION
80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.



FIGURE 1

JOB NO.: 38617185

DATE: SEPTEMBER 2008

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PROJECT LOCATION



USGS 7.5 MINUTE TOPOGRAPHIC QUAD MAP
 TITLE: ST. CLOUD SOUTH, FLORIDA
 PHOTOREVISED: 1980

GENERAL SITE VICINITY

DRAWN BY:
RAC
 CHECKED BY:
EL
 DATE:
SEPT 08



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SAINT CLOUD ANNEX
 4175 EDESEL AVENUE, SAINT CLOUD, FL.



FIGURE 2

JOB NO.: 38617185

DATE: SEPTEMBER 2008

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KISSIMMEE FIELD STATION
80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.
JOB NO.: 38617185
DATE: SEPTEMBER 2008

AERIAL SITE VICINITY MAP
OBLIQUE AERIAL -NOT TO SCALE



FIGURE
3

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ST. CLOUD ANNEX
4175 EDESEL AVENUE, SAINT CLOUD, FL.

JOB NO.: 38617185

DATE: SEPTEMBER 2008

AERIAL SITE VICINITY MAP

OBLIQUE AERIAL - NOT TO SCALE



FIGURE
4

5TH STREET

DRAINAGE DITCH

6' CHAINLINK FENCE
W/ BARBED WIRE

GRASS

OPEN AIR STORAGE

MB-SB1
<1
<1

HYDRAULIC
LIFT AREA

MB-SB2
<1
<1

MAINTENANCE BUILDING

MB-SB3
<1
<1

GRASS

MB-SB4
<1
<1

DRAIN FIELD

FORMER WELL

ASPHALT

CONCRETE

GRASS

FORMER
UST AREA

CONCRETE

ASPHALT

GRASS

S. HOAGLAND BOULEVARD



LEGEND

- ▲ SOIL BORING LOCATION
- SOIL BORING AND MONITOR WELL LOCATION

MB-SB3	SAMPLE ID
<1	0-2' BLS NET OVA, PPM
<1	2-4' BLS NET OVA, PPM

<1 BOLD - SAMPLE COLLECTED FOR LABORATORY ANALYSIS BY EPA METHOD 8021 (VOA & VOH), FL-PRO METHOD, (TRPH) AND LEAD

BLS BELOW LAND SURFACE
PPM PARTS PER MILLION



SOIL BORING LOCATIONS AND NET OVA RESULTS

DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT 08



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KISSIMMEE FIELD STATION MAINTENANCE BAYS

80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.

JOB NO.: 38617185

DATE: SEPTEMBER 2008



FIGURE 5

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DRAINAGE DITCH

6' CHAINLINK FENCE
W/ BARBED WIRE

VEHICLE
WASH
AREA

GRASS

OPEN AIR STORAGE

SOIL	
MB-SB1 (0-2)	
<1	
0.0002 U	
0.0003 U	
0.0003 U	
0.0006 U	
0.0003 U	
BDL	
18.0	
0.008 U	

GROUND WATER	
MB-WP1	
0.6 U	
0.7 U	
0.7 U	
1.7 U	
0.5 U	
BDL	
0.040 U	
0.00001 U	

HYDRAULIC
LIFT AREA

GRASS

ASPHALT

CONCRETE

GRASS

FORMER
UST AREA

BAY 5
BAY 4
BAY 3
BAY 2
BAY 1
MAINTENANCE BUILDING

SOIL

SOIL	
MB-SB4 (0-2)	
<1	
0.0002 U	
0.0003 U	
0.0003 U	
0.0006 U	
0.0003 U	
BDL	
10.0	
0.008 U	

OPEN AIR
STORAGE
AREA



OFFICES

BATH
ROOMS

DRAIN
FIELD

FORMER
WELL

ASPHALT

GRASS

ADMIN. BUILDING

SOIL CONCENTRATION LEGEND

▲ SOIL BORING LOCATION

MB-SB1 (0-2)	SAMPLE ID
<1	NET OVA, PPM
1.7	BENZENE
60000	TOLUENE
9200	ETHYLBENZENE
700	XYLENES, TOTAL
24000	MTBE
BDL	OTHER EPA METHOD 8021
2700	TRPH BY FL-PRO METHOD
1400	LEAD

BDL BELOW LABORATORY
DETECTION LIMITS

PPM PARTS PER MILLION

U ANALYTE INCLUDED IN ANALYSIS,
BUT NOT DETECTED

RESULTS EXPRESSED IN MILLIGRAMS
PER KILOGRAM, mg/kg

**GROUNDWATER
CONCENTRATION LEGEND**

▲ MONITOR WELL LOCATION

MB-WP1	SAMPLE ID
1	BENZENE, ug/l
30	TOLUENE, ug/l
40	ETHYLBENZENE, ug/l
20	XYLENES, TOTAL, ug/l
20	MTBE, ug/l
BDL	OTHER EPA METHOD 8021, ug/l
5	TRPH BY FL-PRO METHOD, mg/l
0.015	LEAD, mg/l

BDL BELOW LABORATORY
DETECTION LIMITS

U ANALYTE INCLUDED IN ANALYSIS,
BUT NOT DETECTED

mg/l MILLIGRAMS PER LITER

ug/l MICROGRAMS PER LITER

**SOIL AND GROUNDWATER
ANALYTICAL RESULTS**

DRAWN BY:
RAC
CHECKED BY:
EL
DATE:
SEPT 08



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FAX: (561) 994-6524

**KISSIMMEE FIELD STATION
MAINTENANCE BAYS**

80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.

JOB NO.: 38617185

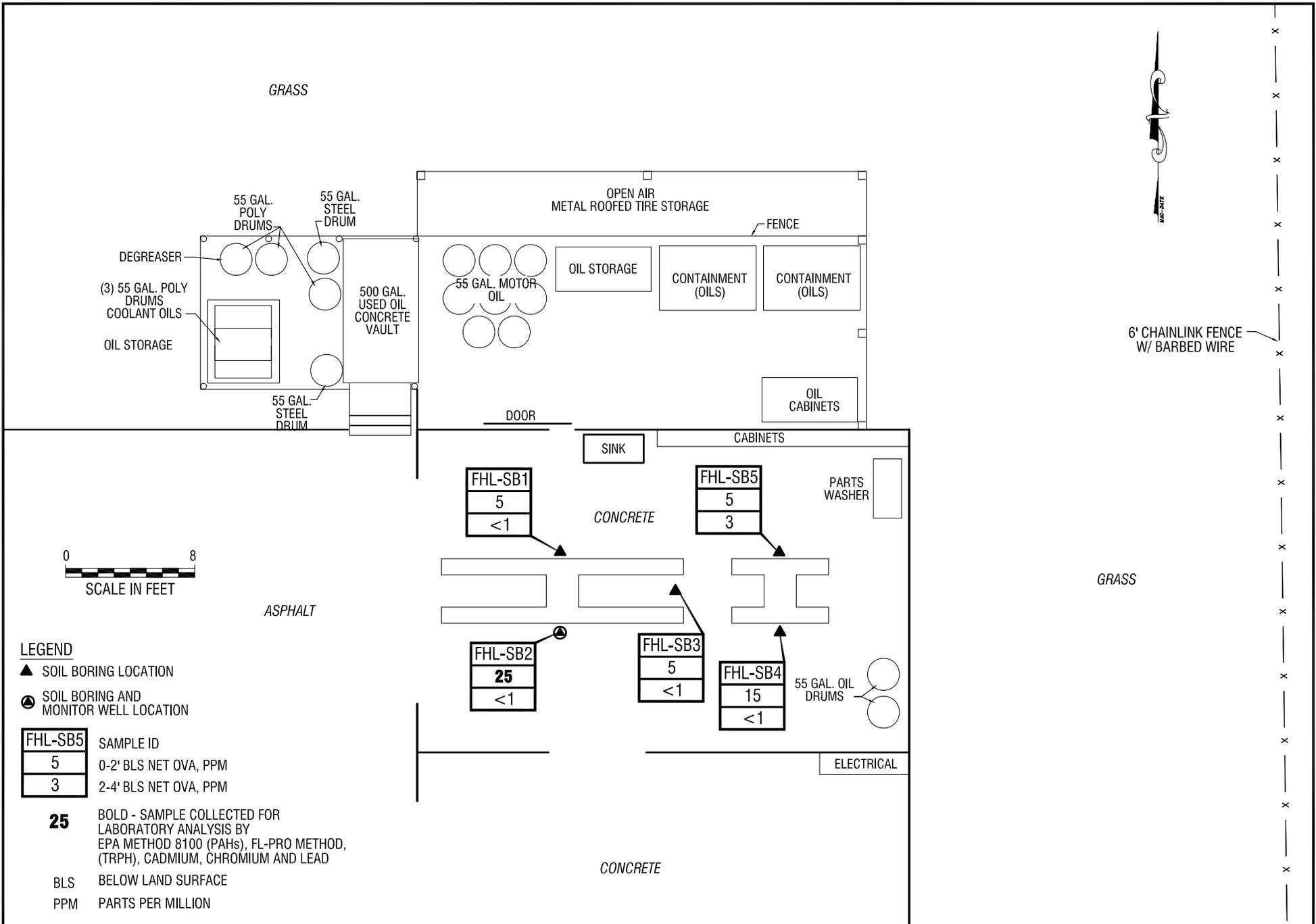
DATE: SEPTEMBER 2008



FIGURE

6

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LEGEND

- ▲ SOIL BORING LOCATION
- ⊙ SOIL BORING AND MONITOR WELL LOCATION

FHL-SB5	SAMPLE ID
5	0-2' BLS NET OVA, PPM
3	2-4' BLS NET OVA, PPM

25 BOLD - SAMPLE COLLECTED FOR LABORATORY ANALYSIS BY EPA METHOD 8100 (PAHs), FL-PRO METHOD, (TRPH), CADMIUM, CHROMIUM AND LEAD

BLS BELOW LAND SURFACE
PPM PARTS PER MILLION

FHL-SB1
5
<1

FHL-SB5
5
3

FHL-SB2
25
<1

FHL-SB3
5
<1

FHL-SB4
15
<1

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**KISSIMMEE FIELD STATION
FORMER HYDRAULIC LIFT**

80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.

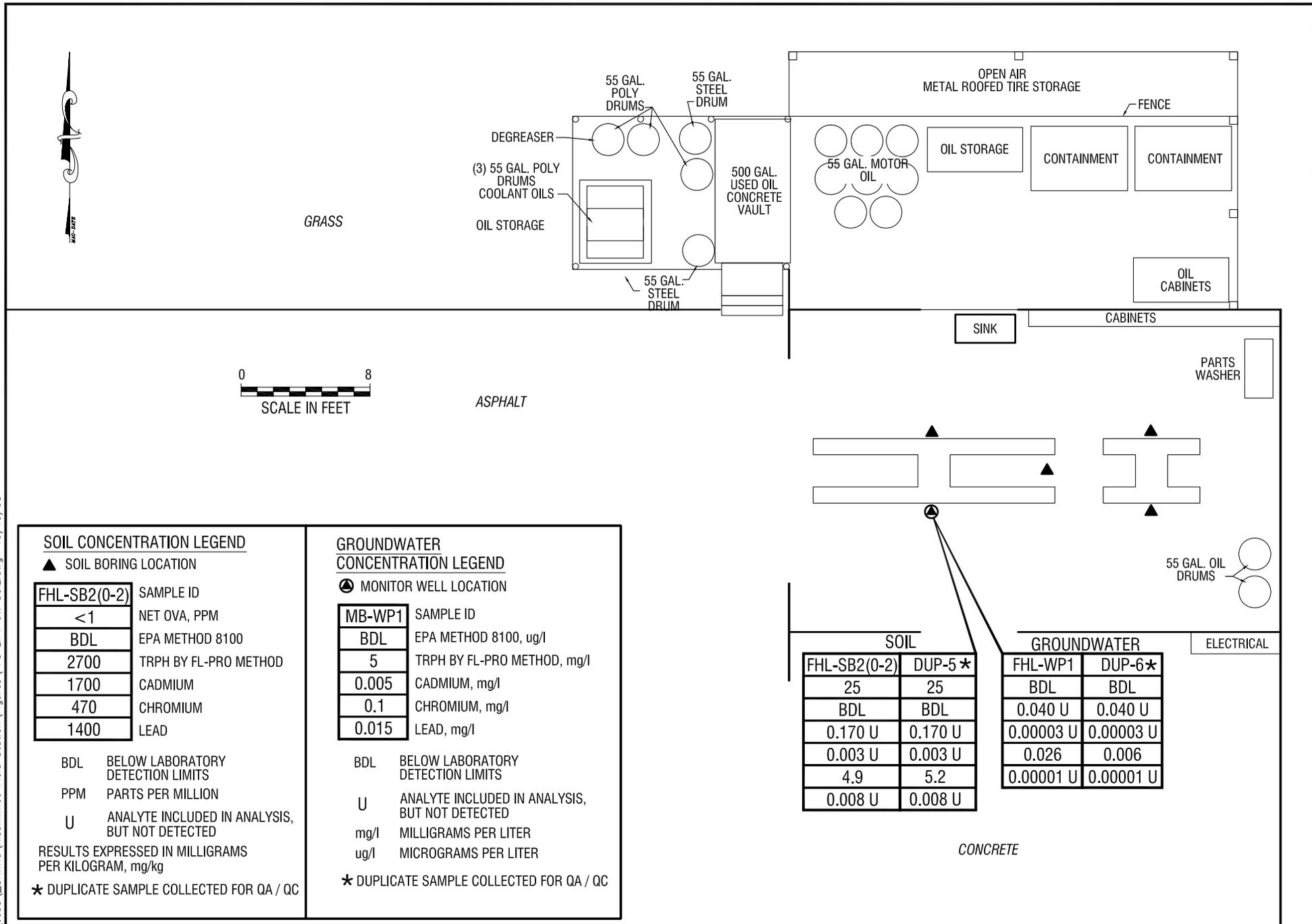
JOB NO.: 38617185

DATE: SEPTEMBER 2008

**SOIL BORING
LOCATIONS AND
NET OVA RESULTS MAP**



**FIGURE
7**



SOIL CONCENTRATION LEGEND		GROUNDWATER CONCENTRATION LEGEND	
▲	SOIL BORING LOCATION	⊕	MONITOR WELL LOCATION
FHL-SB2(0-2)	SAMPLE ID	MB-WP1	SAMPLE ID
<1	NET OVA, PPM	BDL	EPA METHOD 8100, ug/l
BDL	EPA METHOD 8100	5	TRPH BY FL-PRO METHOD, mg/l
2700	TRPH BY FL-PRO METHOD	0.005	CADMIUM, mg/l
1700	CADMIUM	0.1	CHROMIUM, mg/l
470	CHROMIUM	0.015	LEAD, mg/l
1400	LEAD		
BDL	BELOW LABORATORY DETECTION LIMITS	BDL	BELOW LABORATORY DETECTION LIMITS
PPM	PARTS PER MILLION	U	ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED
U	ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED	mg/l	MILLIGRAMS PER LITER
RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM, mg/kg		ug/l	MICROGRAMS PER LITER
* DUPLICATE SAMPLE COLLECTED FOR QA / QC		* DUPLICATE SAMPLE COLLECTED FOR QA / QC	

SOIL	
FHL-SB2(0-2)	DUP-5 *
25	25
BDL	BDL
0.170 U	0.170 U
0.003 U	0.003 U
4.9	5.2
0.008 U	0.008 U

GROUNDWATER	
FHL-WP1	DUP-6 *
BDL	BDL
0.040 U	0.040 U
0.00003 U	0.00003 U
0.026	0.006
0.00001 U	0.00001 U

DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT_08



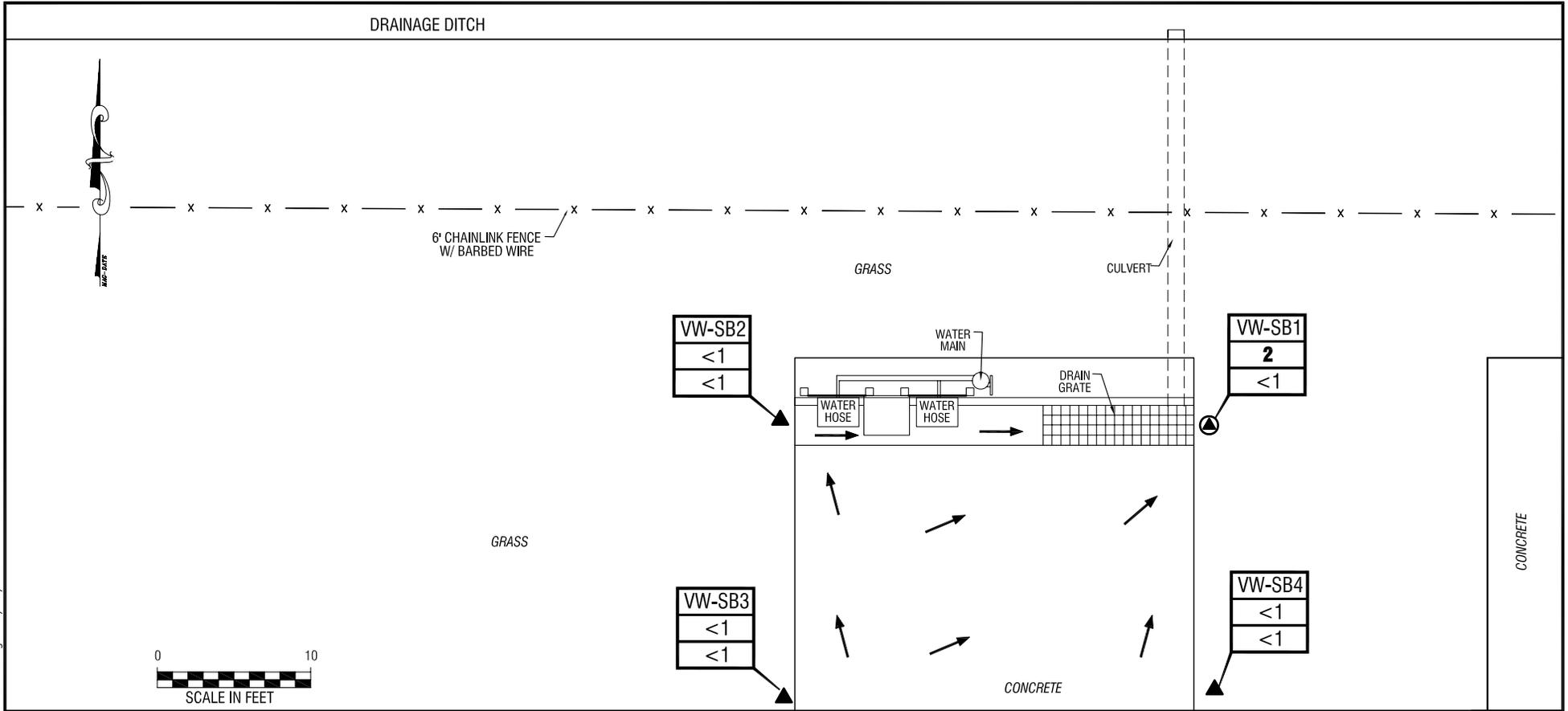
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 FAX: (561) 994-6524

KISSIMMEE FIELD STATION
FORMER HYDRAULIC LIFT
 80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.
 JOB NO.: 38617185 DATE: SEPTEMBER 2008

SOIL AND GROUNDWATER ANALYTICAL RESULTS



R:\Environmental\Jobs_Sfwmd\Kissimmee Field Station\Figures\Fs CAR WASH OVA.dwg 10/10/08



LEGEND

- ▲ SOIL BORING LOCATION
- ⊙ SOIL BORING AND MONITOR WELL LOCATION
- FLOW DIRECTION

VW-SB1	SAMPLE ID
<1	0-2' BLS NET OVA, PPM
<1	2-4' BLS NET OVA, PPM

2 BOLD - SAMPLE COLLECTED FOR LABORATORY ANALYSIS BY EPA METHOD 8021 (VOA & VOH), FL-PRO METHOD, (TRPH) AND LEAD

BLS BELOW LAND SURFACE
PPM PARTS PER MILLION

OPEN AIR STORAGE

DRAWN BY: RAC
CHECKED BY: EL
DATE: SEPT_08



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**KISSIMMEE FIELD STATION
VEHICLE WASH DOWN AREA**
80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.

JOB NO.: 38617185

DATE: SEPTEMBER 2008

**SOIL BORING
LOCATIONS AND
NET OVA RESULTS**



**FIGURE
9**

DRAINAGE DITCH

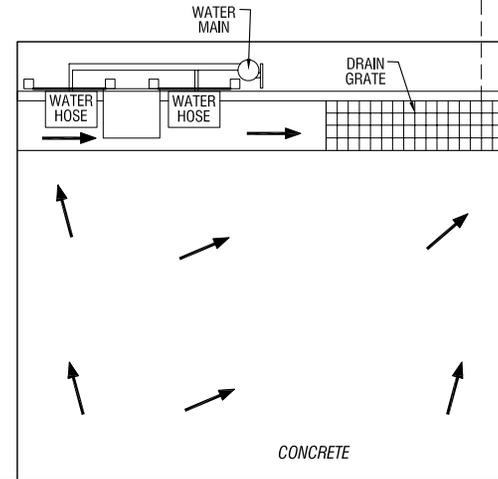


6" CHAINLINK FENCE
W/ BARBED WIRE

GRASS

CULVERT

GRASS



ASPHALT

SOIL

VW-SB1(0-2)	DUP-7*
2	2
0.0002 U	0.0002 U
0.0003 U	0.0003 U
0.0003 U	0.0003 U
0.0006 U	0.0006 U
0.0003 U	0.0003 U
BDL	BDL
14.3	5.00
0.008 U	0.008 U

GROUNDWATER

VW-WP1	DUP-8*
0.6 U	0.6 U
0.7 U	0.7 U
0.7 U	0.7 U
1.7 U	1.7 U
0.5 U	0.5 U
BDL	BDL
0.040 U	0.040 U
0.00001 U	0.00001 U

SOIL CONCENTRATION LEGEND

- ⊙ SOIL BORING LOCATION
- FLOW DIRECTION

MB-SB1(0-2)	SAMPLE ID
<1	NET OVA, PPM
1.7	BENZENE
60000	TOLUENE
9200	ETHYLBENZENE
700	XYLENES, TOTAL
24000	MTBE
BDL	OTHER EPA METHOD 8021
2700	TRPH BY FL-PRO METHOD
1400	LEAD

BDL BELOW LABORATORY
DETECTION LIMITS
PPM PARTS PER MILLION
U ANALYTE INCLUDED IN ANALYSIS,
BUT NOT DETECTED

RESULTS EXPRESSED IN MILLIGRAMS
PER KILOGRAM, mg/kg

* DUPLICATE SAMPLE COLLECTED FOR QA / QC

**GROUNDWATER
CONCENTRATION LEGEND**

- ⊙ MONITOR WELL LOCATION
- FLOW DIRECTION

MB-WP1	SAMPLE ID
1	BENZENE, ug/l
30	TOLUENE, ug/l
40	ETHYLBENZENE, ug/l
20	XYLENES, TOTAL, ug/l
20	MTBE, ug/l
BDL	OTHER EPA METHOD 8021, ug/l
5	TRPH BY FL-PRO METHOD, mg/l
0.015	LEAD, mg/l

BDL BELOW LABORATORY
DETECTION LIMITS
U ANALYTE INCLUDED IN ANALYSIS,
BUT NOT DETECTED
mg/l MILLIGRAMS PER LITER
ug/l MICROGRAMS PER LITER

* DUPLICATE SAMPLE COLLECTED FOR QA / QC

DRAWN BY:
_RAC
CHECKED BY:
_EL
DATE:
SEPT 08



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**KISSIMMEE FIELD STATION
VEHICLE WASH DOWN AREA**

80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.

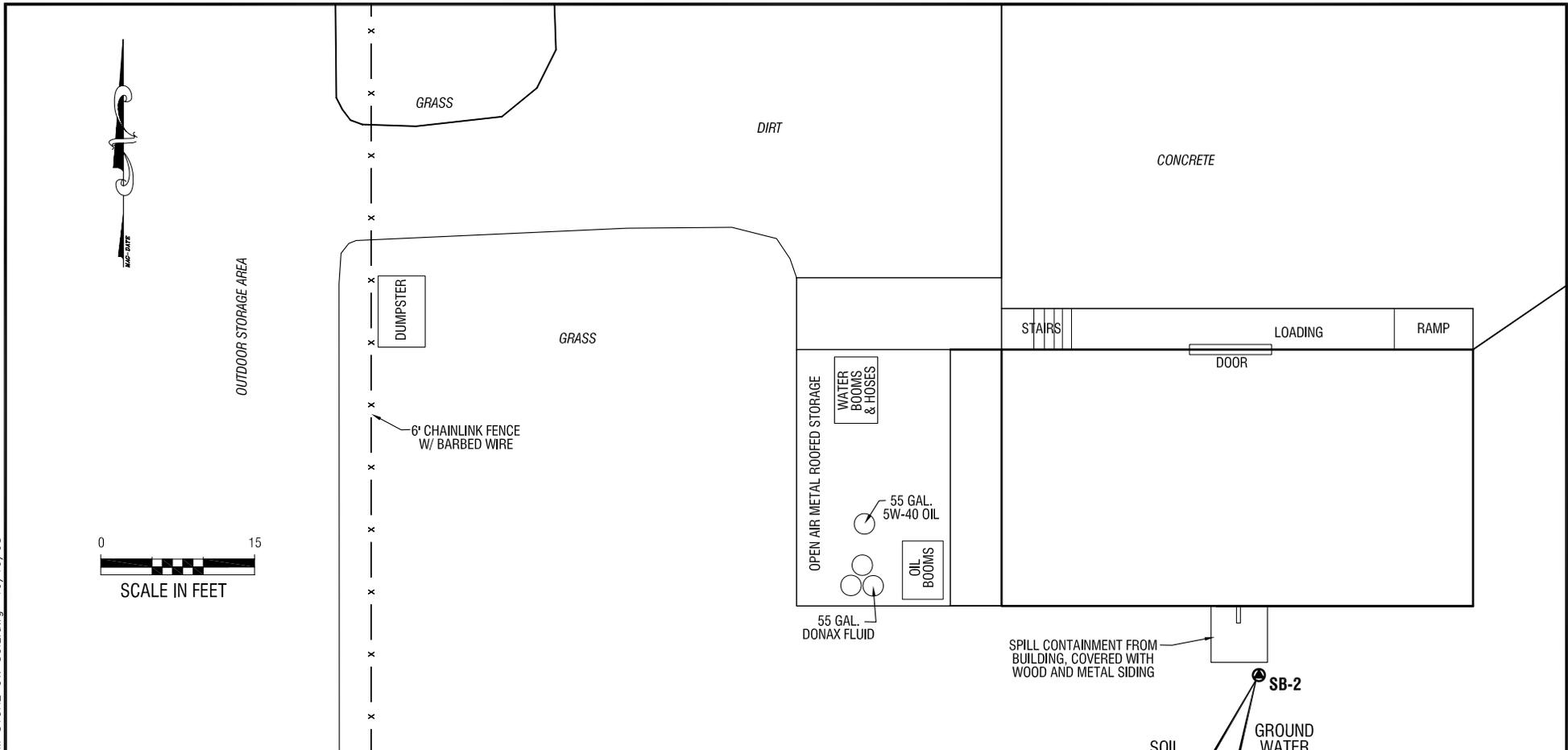
JOB NO.: 38617185

DATE: SEPTEMBER 2008

**SOIL AND
GROUNDWATER
ANALYTICAL RESULTS**



**FIGURE
10**



SOIL CONCENTRATION LEGEND

▲ SOIL BORING LOCATION

CS-SB1(0-2)	SAMPLE ID
BDL	EPA METHOD 8081
BDL	EPA METHOD 8141
BDL	EPA METHOD 8151
0.57	ARSENIC

BDL BELOW LABORATORY DETECTION LIMITS
 U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED
 RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM, mg/kg

GROUNDWATER CONCENTRATION LEGEND

▲ MONITOR WELL LOCATION

CS-WP1	SAMPLE ID
BDL	EPA METHOD 8081, ug/l
BDL	EPA METHOD 8141, ug/l
BDL	EPA METHOD 8151, ug/l
0.0004 U	ARSENIC, mg/l

BDL BELOW LABORATORY DETECTION LIMITS
 U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED
 mg/l MILLIGRAMS PER LITER
 ug/l MICROGRAMS PER LITER

SOIL	GROUND WATER
CS-SB1(0-2)	CS-WP1
BDL	BDL
BDL	BDL
BDL	BDL
0.57	0.0004 U

DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT_08



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**KISSIMMEE FIELD STATION
 CHEMICAL STORAGE BUILDING**
 80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.

JOB NO.: 38617185 DATE: SEPTEMBER 2008

**SOIL AND
 GROUNDWATER
 ANALYTICAL RESULTS**





OPEN AIR METAL ROOFED STORAGE W/ CONCRETE FLOORS



ELECTRIC TRUCK



TRUCK WITH TRAILER

DE MINIMUS HOUSEHOLD CHEMICALS

WORK BENCH

OAS-SB3

<1

<1

WORK BENCHES

WOOD WALLS

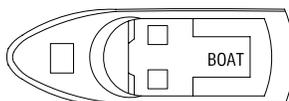
MISC. EQUIPMENT

PALLET OF AUTO PARTS

ASPHALT

ASPHALT

ENCLOSED TRAILER



BOAT

STAINING

OAS-SB1

<1

<1

OAS-SB2

<1

<1



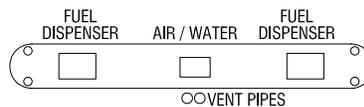
LEGEND

- ▲ SOIL BORING LOCATION
- ⊙ SOIL BORING AND MONITOR WELL LOCATION

OAS-SB3	SAMPLE ID
<1	0-2' BLS NET OVA, PPM
<1	2-4' BLS NET OVA, PPM

<1 BOLD - SAMPLE COLLECTED FOR LABORATORY ANALYSIS BY EPA METHOD 8021(VOA & VOH), FL-PRO METHOD, (TRPH) AND LEAD

BLS BELOW LAND SURFACE
PPM PARTS PER MILLION



UST AREA



SOIL BORING LOCATIONS AND NET OVA RESULTS

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CHECKED BY: EL
DATE: SEPT_08



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KISSIMMEE FIELD STATION
OPEN AIR STORAGE BUILDING
80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.



FIGURE 12



OPEN AIR METAL ROOFED STORAGE W/ CONCRETE FLOORS

ASPHALT

ASPHALT

SOIL CONCENTRATION LEGEND

▲ SOIL BORING LOCATION

MB-SB1(0-2)	SAMPLE ID
<1	NET OVA, PPM
1.7	BENZENE
60000	TOLUENE
9200	ETHYLBENZENE
700	XYLENES, TOTAL
24000	MTBE
BDL	OTHER EPA METHOD 8021
2700	TRPH BY FL-PRO METHOD
1400	LEAD

U BELOW LABORATORY DETECTION LIMITS
BDL PARTS PER MILLION
PPM ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED

RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM, mg/kg

★ DUPLICATE SAMPLE COLLECTED FOR QA / QC

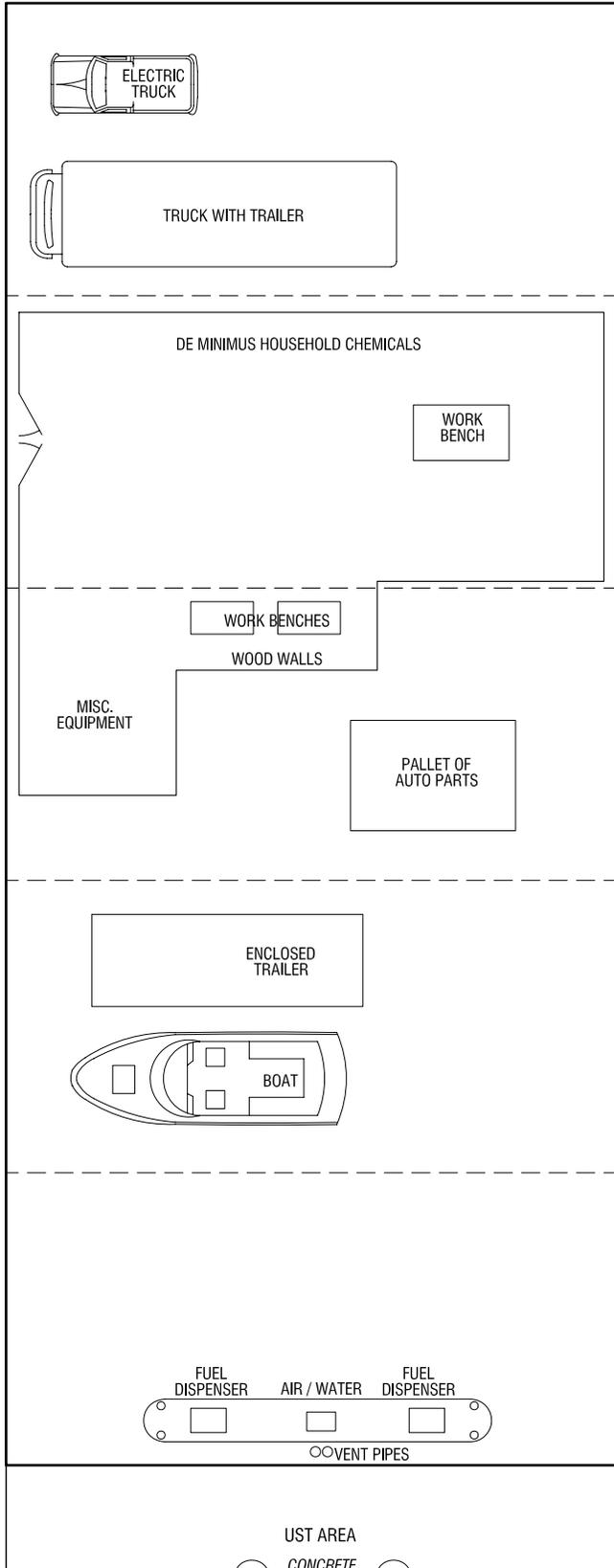
GROUNDWATER CONCENTRATION LEGEND

▲ MONITOR WELL LOCATION

MB-WP1	SAMPLE ID
1	BENZENE, ug/l
30	TOLUENE, ug/l
40	ETHYLBENZENE, ug/l
20	XYLENES, TOTAL, ug/l
20	MTBE, ug/l
BDL	OTHER EPA METHOD 8021, ug/l
5	TRPH BY FL-PRO METHOD, mg/l
0.015	LEAD, mg/l

BDL BELOW LABORATORY DETECTION LIMITS
U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED
mg/l MILLIGRAMS PER LITER
ug/l MICROGRAMS PER LITER

★ DUPLICATE SAMPLE COLLECTED FOR QA / QC



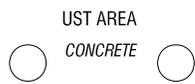
SOIL

OAS-SB1(0-2)	DUP-9 ★
<1	<1
0.0002 U	0.0002 U
0.0003 U	0.0003 U
0.0003 U	0.0003 U
0.0006 U	0.0006 U
0.0003 U	0.0003 U
BDL	BDL
6.40	4.62
0.008 U	0.008 U



GROUNDWATER

OAS-WP1	DUP-10 ★
0.6 U	0.6 U
0.7 U	0.7 U
0.7 U	0.7 U
1.7 U	1.7 U
0.5 U	0.5 U
BDL	BDL
0.040 U	0.040 U
0.00001 U	0.00001 U



SOIL AND GROUNDWATER ANALYTICAL RESULTS

DRAWN BY: RAC
CHECKED BY: EL
DATE: SEPT 08



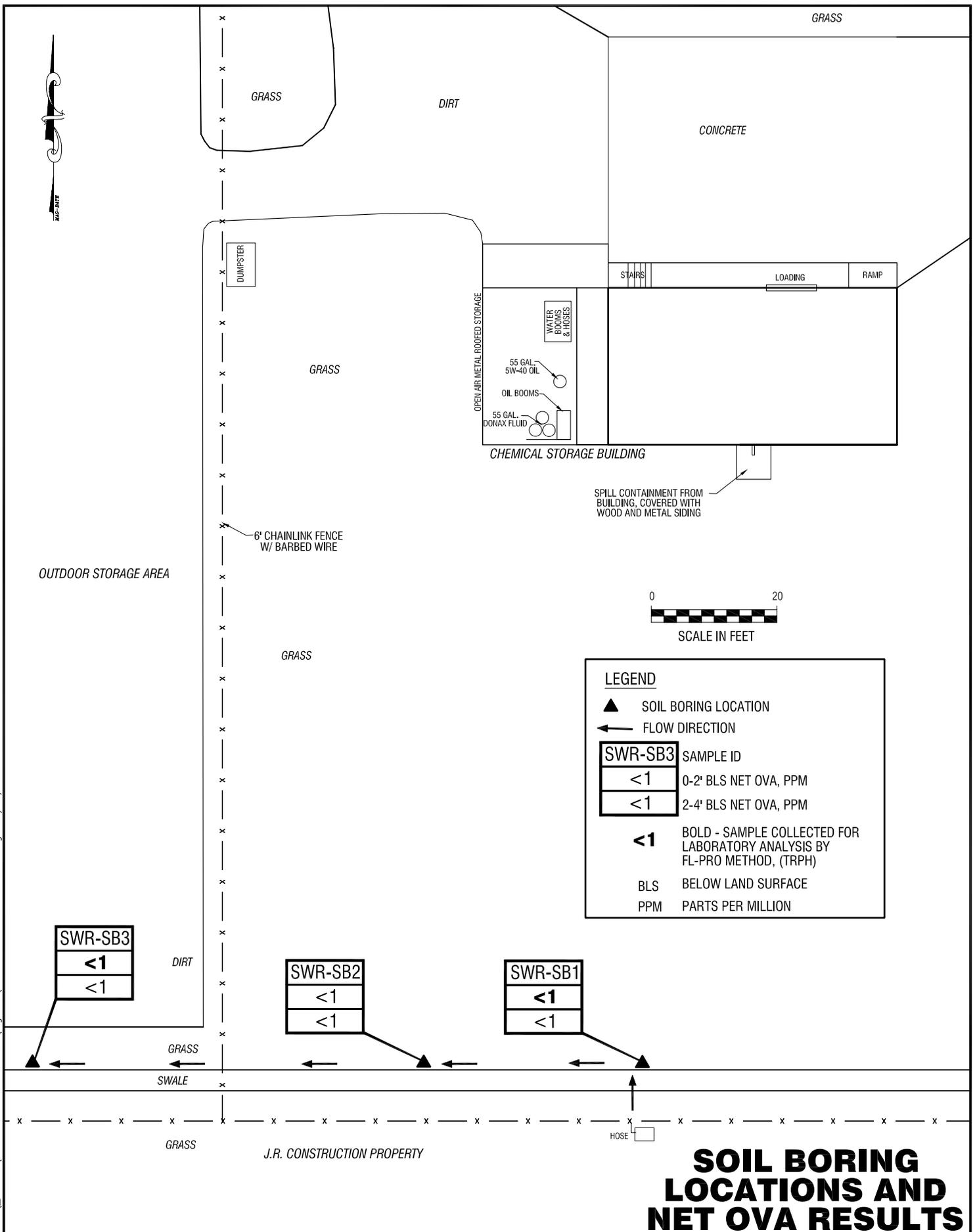
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KISSIMMEE FIELD STATION
OPEN AIR STORAGE BUILDING
80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.
JOB NO.: 38617185 DATE: SEPTEMBER 2008



FIGURE 13

R:\Environmental\Jobs\Sfwmd\Kissimmee Field Station\Figures\Fs SURF WATER RO OVA.dwg 10/10/08



SOIL BORING LOCATIONS AND NET OVA RESULTS

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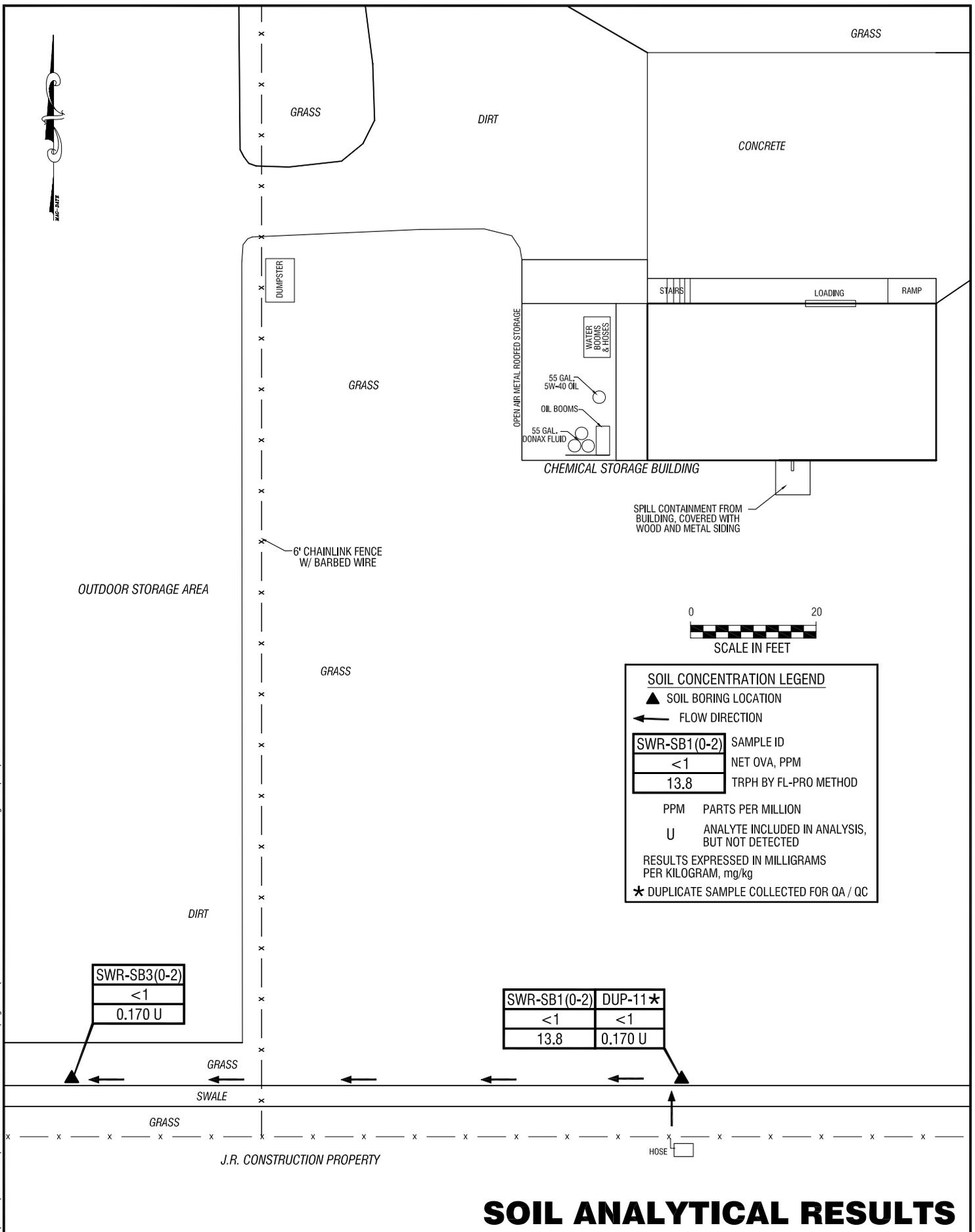
KISSIMMEE FIELD STADTION
SURFACE WATER RUNOFF
SOUTH SIDE OF LOT
 80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.
 JOB NO.: 38617185



FIGURE 14

DATE: SEPTEMBER 2008

R:\Environmental\Jobs\Sfwm\Kissimmee Field Station\Figures\FS SURF WATER RO GW SOIL.dwg 10/10/08



SOIL ANALYTICAL RESULTS

DRAWN BY: RAC
CHECKED BY: EL
DATE: SEPT 08



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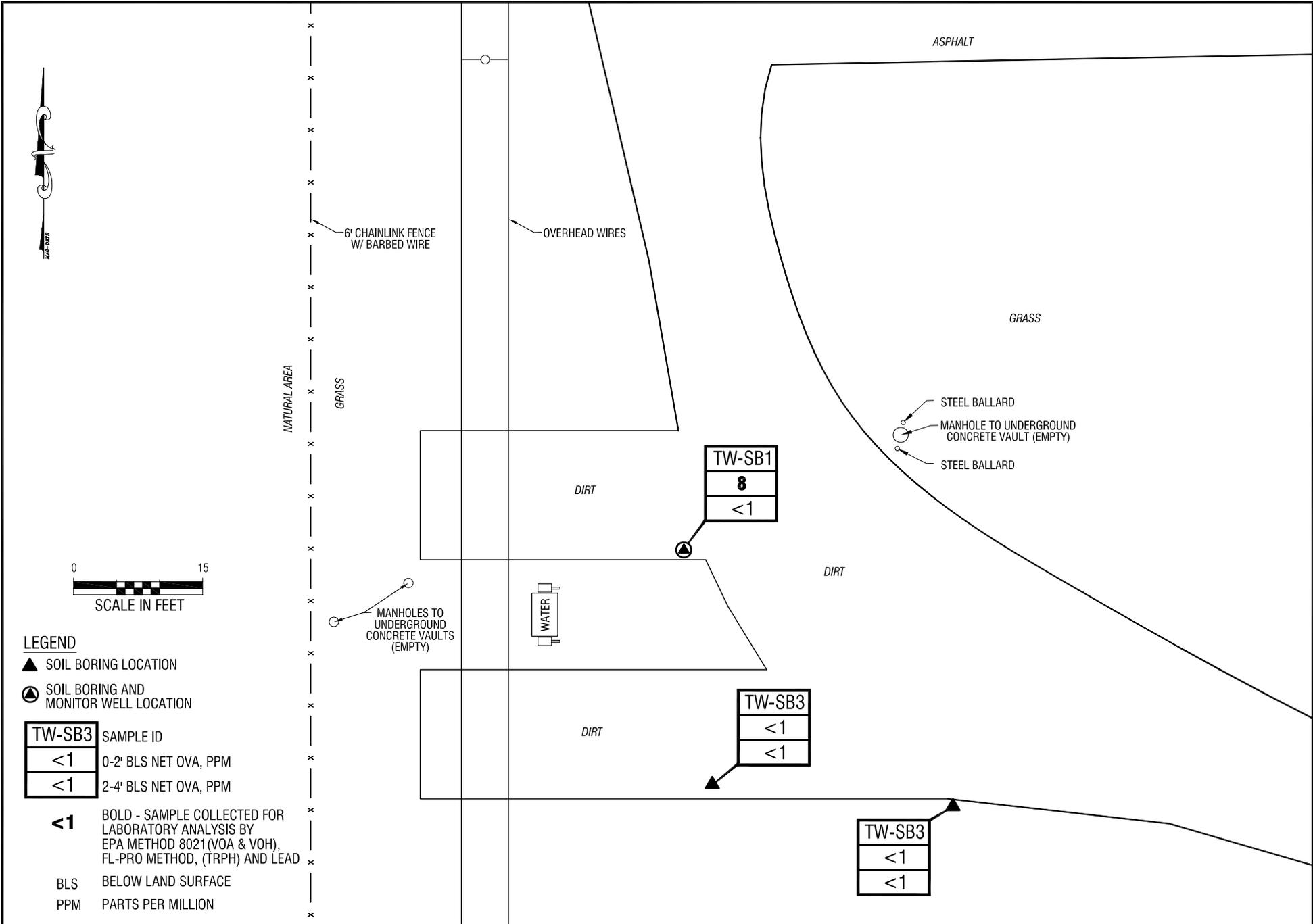
KISSIMMEE FIELD STATION
SURFACE WATER RUNOFF
SOUTH SIDE OF LOT

80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.
JOB NO.: 38617185

DATE: SEPTEMBER 2008



FIGURE
15



DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT 08



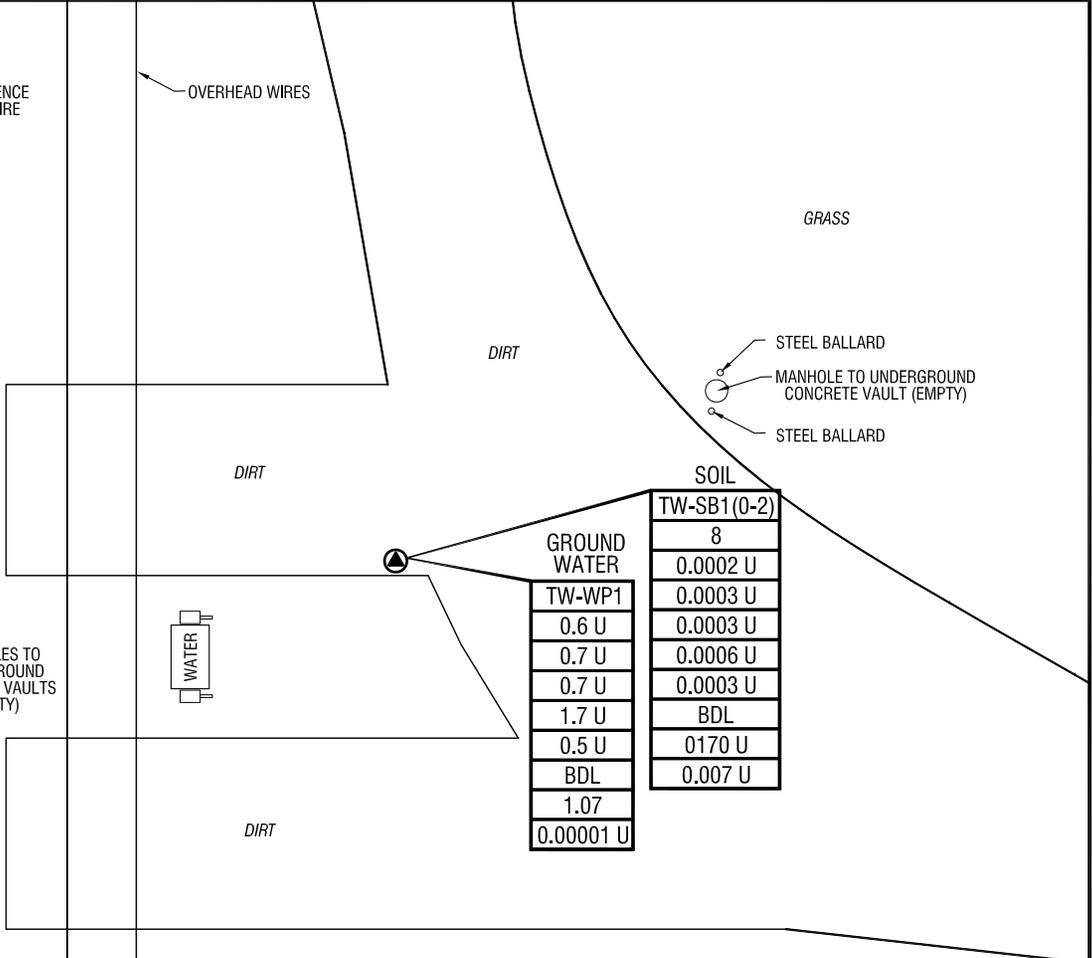
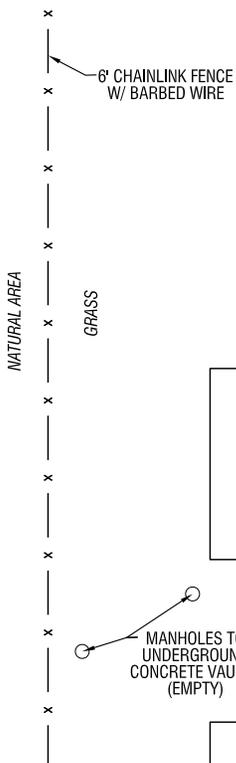
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**KISSIMMEE FIELD STATION
 TRUCK WASH DOWN AREA**
 80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.
 JOB NO.: 38617185 DATE: SEPTEMBER 2008

**SOIL BORING
 LOCATIONS AND
 NET OVA RESULTS**



**FIGURE
 16**



GROUND WATER		SOIL	
TW-WP1	0.6 U	TW-SB1(0-2)	8
	0.7 U		0.0002 U
	0.7 U		0.0003 U
	1.7 U		0.0003 U
	0.5 U		0.0006 U
	BDL		BDL
	1.07		0170 U
	0.00001 U		0.007 U

SOIL CONCENTRATION LEGEND

▲ SOIL BORING LOCATION

MB-SB1(0-2)	SAMPLE ID
<1	NET OVA, PPM
1.7	BENZENE
60000	TOLUENE
9200	ETHYLBENZENE
700	XYLENES, TOTAL
24000	MTBE
BDL	OTHER EPA METHOD 8021
2700	TRPH BY FL-PRO METHOD
1400	LEAD

BDL BELOW LABORATORY DETECTION LIMITS
 PPM PARTS PER MILLION
 U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED

RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM, mg/kg

GROUNDWATER CONCENTRATION LEGEND

▲ MONITOR WELL LOCATION

MB-WP1	SAMPLE ID
1	BENZENE, ug/l
30	TOLUENE, ug/l
40	ETHYLBENZENE, ug/l
20	XYLENES, TOTAL, ug/l
20	MTBE, ug/l
BDL	OTHER EPA METHOD 8021, ug/l
5	TRPH BY FL-PRO METHOD, mg/l
0.015	LEAD, mg/l

BDL BELOW LABORATORY DETECTION LIMITS
 U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED
 mg/l MILLIGRAMS PER LITER
 ug/l MICROGRAMS PER LITER

DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT 08



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KISSIMMEE FIELD STATION
TRUCK WASH DOWN AREA
 80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.

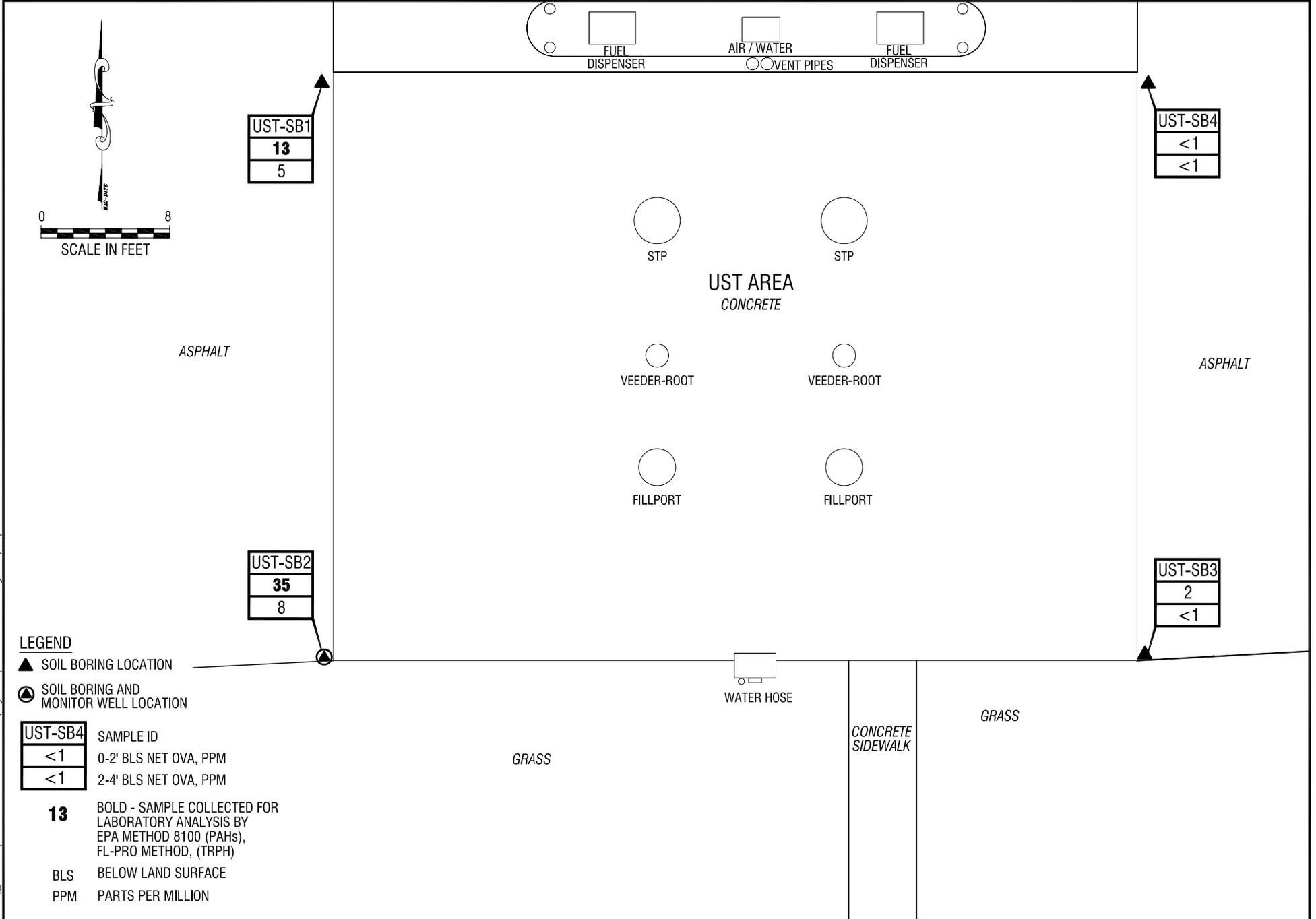
JOB NO.: 38617185 DATE: SEPTEMBER 2008

SOIL AND GROUNDWATER ANALYTICAL RESULTS



FIGURE 17

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UST-SB1
13
5

UST-SB4
<1
<1

UST-SB2
35
8

UST-SB3
2
<1

- LEGEND**
- ▲ SOIL BORING LOCATION
 - SOIL BORING AND MONITOR WELL LOCATION

UST-SB4	SAMPLE ID
<1	0-2' BLS NET OVA, PPM
<1	2-4' BLS NET OVA, PPM

13 BOLD - SAMPLE COLLECTED FOR LABORATORY ANALYSIS BY EPA METHOD 8100 (PAHs), FL-PRO METHOD, (TRPH)

BLS BELOW LAND SURFACE
PPM PARTS PER MILLION

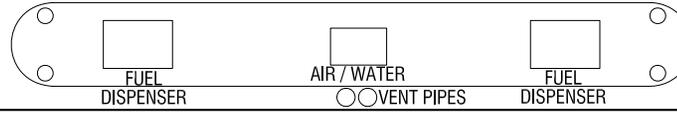
DRAWN BY: RAC CHECKED BY: EL DATE: SEPT_08		7800 CONGRESS AVENUE, SUITE 200 BOCA RATON, FLORIDA 33487 PHONE: (561) 994-6500 FAX: (561) 994-6524
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KISSIMMEE FIELD STATION
UST AREA
 80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.
 JOB NO.: 38617185 DATE: SEPTEMBER 2008

SOIL BORING
LOCATIONS AND
NET OVA RESULTS



FIGURE
18



GROUNDWATER CONCENTRATION LEGEND

SOIL BORING AND MONITOR WELL LOCATION

UST-WP1	SAMPLE ID
1	BENZENE, ug/l
30	TOLUENE, ug/l
40	ETHYLBENZENE, ug/l
20	XYLENES, TOTAL, ug/l
20	MTBE, ug/l
BDL	OTHER EPA METHOD 8021, ug/l
BDL	EPA METHOD 8100, ug/l
5	TRPH BY FL-PRO METHOD, mg/l
0.015	LEAD, mg/l

BDL BELOW LABORATORY DETECTION LIMITS
 U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED
 mg/l MILLIGRAMS PER LITER
 ug/l MICROGRAMS PER LITER

SOIL CONCENTRATION LEGEND

SOIL BORING LOCATION

UST-SB1(0-2)	SAMPLE ID
<1	NET OVA, PPM
1.7	BENZENE
60000	TOLUENE
9200	ETHYLBENZENE
700	XYLENES, TOTAL
24000	MTBE
BDL	OTHER EPA METHOD 8021
BDL	EPA METHOD 8100
2700	TRPH BY FL-PRO METHOD

BDL BELOW LABORATORY DETECTION LIMITS
 PPM PARTS PER MILLION
 U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED

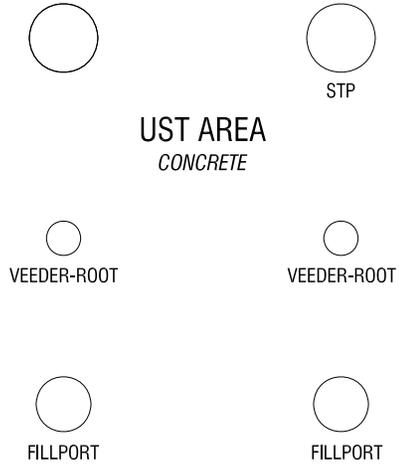
RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM, mg/kg

SOIL	GROUND WATER
UST-SB1(0-2)	UST-WP1
13	0.6 U
0.0002 U	0.7 U
0.0003 U	0.7 U
0.0003 U	1.7 U
0.0006 U	0.5 U
0.0003 U	BDL
BDL	BDL
BDL	0.040 U
0.170 U	0.00001 U

SOIL	GROUND WATER
UST-SB2(0-2)	UST-WP2
35	0.6 U
0.0002 U	0.7 U
0.0003 U	0.7 U
0.0003 U	1.7 U
0.0006 U	0.5 U
0.0003 U	BDL
BDL	BDL
BDL	0.040 U
49.6	0.00001 U

ASPHALT

ASPHALT



CONCRETE SIDEWALK

GRASS

GRASS

DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT_08



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**KISSIMMEE FIELD STATION
 UST AREA**

80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.

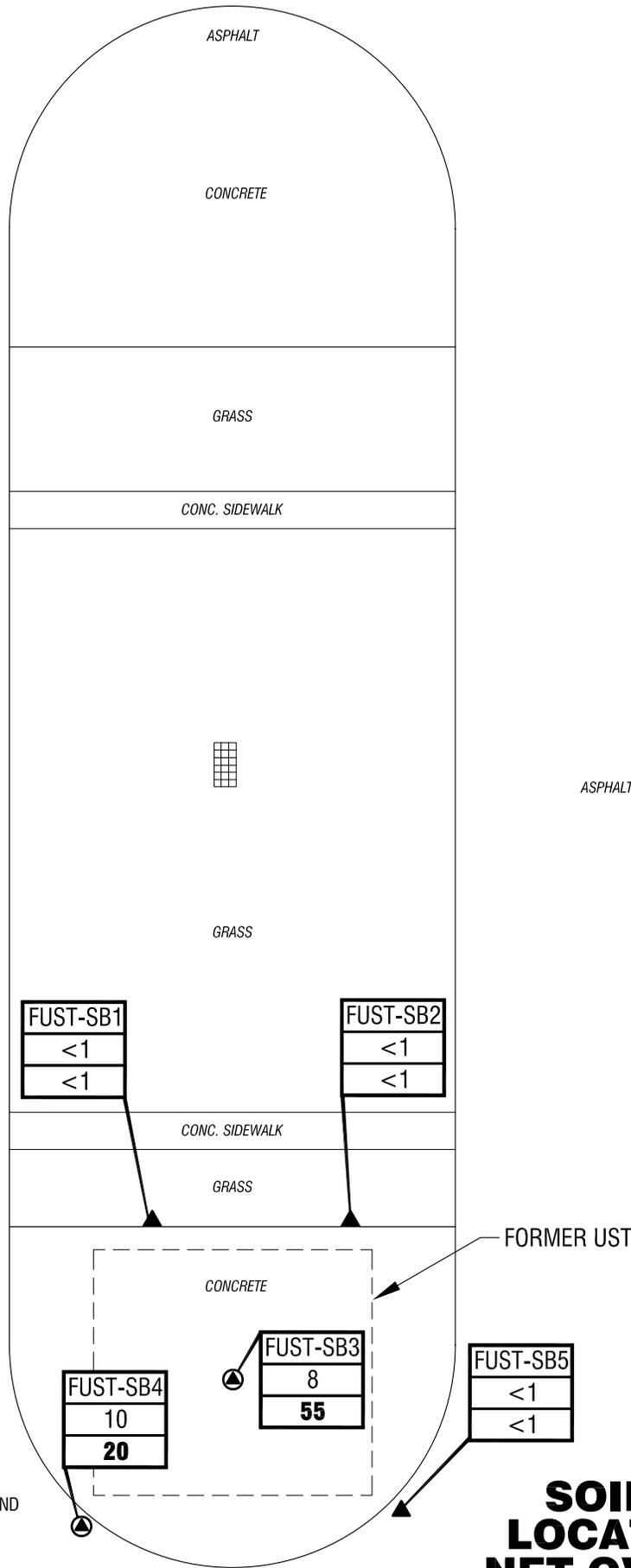
JOB NO.: 38617185

DATE: SEPTEMBER 2008

**SOIL AND
 GROUNDWATER
 ANALYTICAL RESULTS**



**FIGURE
 19**



LEGEND

- ▲ SOIL BORING LOCATION
- ⊙ SOIL BORING AND MONITOR WELL LOCATION

FUST-SB3	SAMPLE ID
<1	0-2' BLS NET OVA, PPM
<1	2-4' BLS NET OVA, PPM

20 BOLD - SAMPLE COLLECTED FOR LABORATORY ANALYSIS BY EPA METHOD 8021 (VOA & VOH), AND FL-PRO METHOD, (TRPH)

BLS BELOW LAND SURFACE
PPM PARTS PER MILLION

FORMER UST AREA

SOIL BORING LOCATIONS AND NET OVA RESULTS

DRAWN BY: RAC
CHECKED BY: EL
DATE: SEPT_08

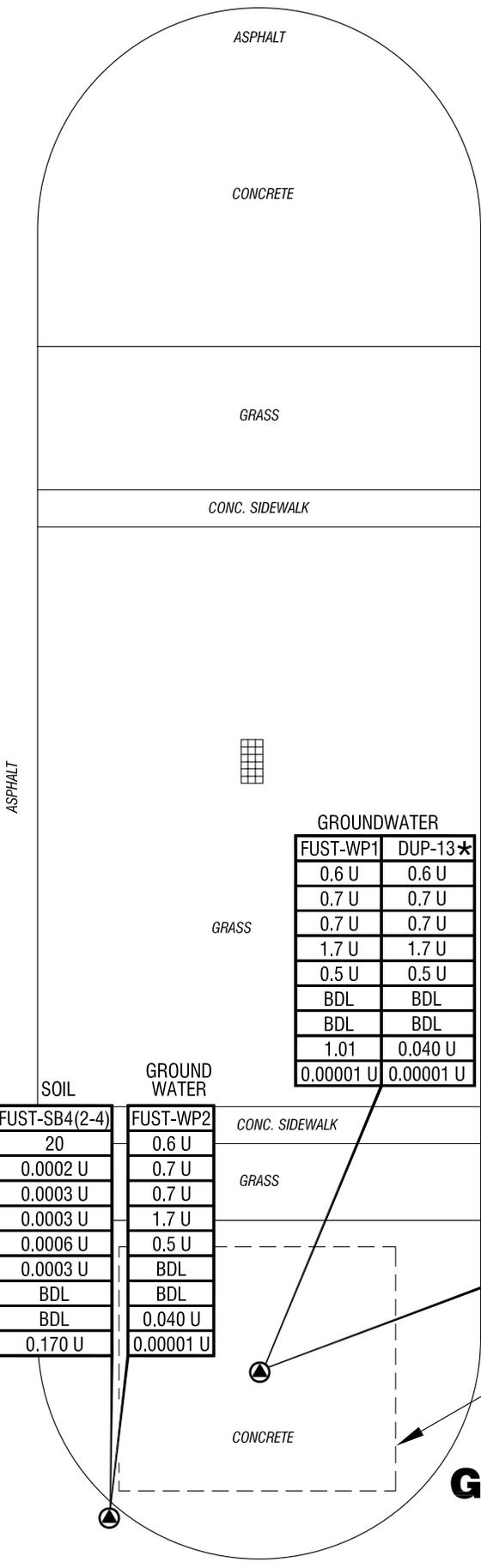


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**KISSIMMEE FIELD STATION
FORMER UST AREA**
80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.



**FIGURE
20**



GROUNDWATER CONCENTRATION LEGEND

▲ MONITOR WELL LOCATION

MB-WP1	SAMPLE ID
1	BENZENE, ug/l
30	TOLUENE, ug/l
40	ETHYLBENZENE, ug/l
20	XYLENES, TOTAL, ug/l
20	MTBE, ug/l
BDL	OTHER EPA METHOD 8021, ug/l
BDL	EPA METHOD 8100, ug/l
5	TRPH BY FL-PRO METHOD, mg/l
0.015	LEAD, mg/l

BDL BELOW LABORATORY DETECTION LIMITS
 U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED
 mg/l MILLIGRAMS PER LITER
 ug/l MICROGRAMS PER LITER

★ DUPLICATE SAMPLE COLLECTED FOR QA / QC

SOIL CONCENTRATION LEGEND

▲ SOIL BORING LOCATION

FUST-SB4(2-4)	SAMPLE ID
<1	NET OVA, PPM
1.7	BENZENE
60000	TOLUENE
9200	ETHYLBENZENE
700	XYLENES, TOTAL
24000	MTBE
BDL	OTHER EPA METHOD 8021
BDL	EPA METHOD 8100
2700	TRPH BY FL-PRO METHOD

BDL BELOW LABORATORY DETECTION LIMITS
 PPM PARTS PER MILLION
 U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED

RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM, mg/kg
 ★ DUPLICATE SAMPLE COLLECTED FOR QA / QC

GROUNDWATER

FUST-WP1	DUP-13★
0.6 U	0.6 U
0.7 U	0.7 U
0.7 U	0.7 U
1.7 U	1.7 U
0.5 U	0.5 U
BDL	BDL
BDL	BDL
1.01	0.040 U
0.00001 U	0.00001 U

SOIL

FUST-SB3(2-4)	DUP-12★
55	55
0.0002 U	0.0002 U
0.0003 U	0.0003 U
0.0003 U	0.0003 U
0.0006 U	0.0006 U
0.0003 U	0.0003 U
BDL	BDL
BDL	BDL
16.6	2.00

SOIL	GROUND WATER
FUST-SB4(2-4)	FUST-WP2
20	0.6 U
0.0002 U	0.7 U
0.0003 U	0.7 U
0.0003 U	1.7 U
0.0006 U	0.5 U
0.0003 U	BDL
BDL	BDL
BDL	0.040 U
0.170 U	0.00001 U

FORMER UST AREA

SOIL AND GROUNDWATER ANALYTICAL RESULTS

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DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT_08



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KISSIMMEE FIELD STATION FORMER UST AREA

80 S. HOAGLAND BOULEVARD, KISSIMMEE, FL.
 JOB NO.: 38617185 DATE: SEPTEMBER 2008



FIGURE 21



GRASS

SA-SB4 ▲

6' CHAINLINK FENCE

SOIL

SA-SB3(0-2)	DUP-3★
BDL	BDL
2.02	2.92

GROUNDWATER

SA-WP1	DUP-4★
BDL	BDL
0.0004 U	0.0004 U

CONC

CHEMICAL STORAGE BUILDING

DIRT

SA-SB2 ▲

CONC

CANAL

THICK VEGETATION

SA-SB1 ▲

GRASS



SOIL CONCENTRATION LEGEND

- ▲ MONITOR WELL AND SOIL BORING LOCATION
- ▲ SOIL BORING LOCATION

SA-SB3(0-2)	SAMPLE ID
BDL	EPA METHOD 8151
2.02	ARSENIC

2.92 **BOLD** - EXCEEDS RESIDENTIAL SCTL
 BDL BELOW LABORATORY DETECTION LIMIT

RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM, mg/kg

GROUNDWATER CONCENTRATION LEGEND

- ▲ MONITOR WELL LOCATION

SA-WP1	SAMPLE ID
BDL	EPA METHOD 8151, ug/l
0.0004 U	ARSENIC, mg/l

BDL BELOW LABORATORY DETECTION LIMIT

U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED

mg/l MILLIGRAMS PER LITER
ug/l MICROGRAMS PER LITER

SOIL AND GROUNDWATER ANALYTICAL RESULTS

DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT 08



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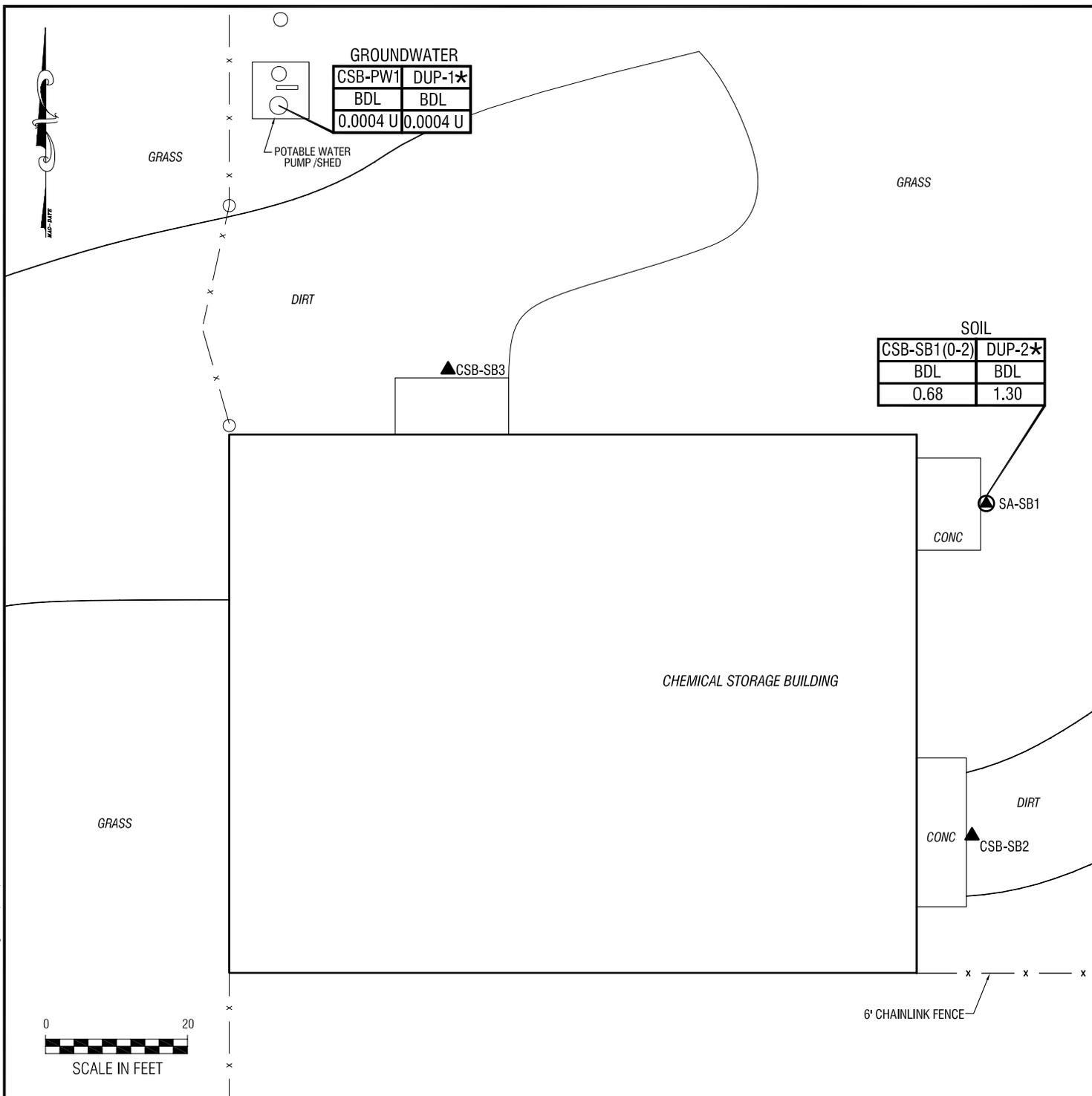
**ST. CLOUD ANNEX
 HERBICIDE CONTAINER
 STAGING AREA**

4175 EDSLE AVENUE, SAINT CLOUD, FL.
 JOB NO.: 38617185 DATE: SEPTEMBER 2008



**FIGURE
 22**

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GROUNDWATER

CSB-PW1	DUP-1*
BDL	BDL
0.0004 U	0.0004 U

SOIL

CSB-SB1(0-2)	DUP-2*
BDL	BDL
0.68	1.30

SOIL CONCENTRATION LEGEND

- ⊙ MONITOR WELL AND SOIL BORING LOCATION
 - ▲ SOIL BORING LOCATION
- | | |
|--------------|-----------------|
| CSB-SB3(0-2) | SAMPLE ID |
| BDL | EPA METHOD 8151 |
| 0.68 | ARSENIC |
- BDL BELOW LABORATORY DETECTION LIMIT
- RESULTS EXPRESSED IN MILLIGRAMS PER KILOGRAM, mg/kg
- * DUPLICATE SAMPLE COLLECTED FOR QA / QC

GROUNDWATER CONCENTRATION LEGEND

- ⊙ MONITOR WELL LOCATION
- | | |
|----------|-----------------------|
| CSB-WP1 | SAMPLE ID |
| BDL | EPA METHOD 8151, ug/l |
| 0.0004 U | ARSENIC, mg/l |
- BDL BELOW LABORATORY DETECTION LIMIT
- U ANALYTE INCLUDED IN ANALYSIS, BUT NOT DETECTED
- mg/l MILLIGRAMS PER LITER
- ug/l MICROGRAMS PER LITER
- * DUPLICATE SAMPLE COLLECTED FOR QA / QC

SOIL AND GROUNDWATER ANALYTICAL RESULTS

DRAWN BY: RAC
 CHECKED BY: EL
 DATE: SEPT_08



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 BOCA RATON, FLORIDA 33487
 PHONE: (561) 994-6500
 FAX: (561) 994-6524

**ST. CLOUD ANNEX
 CHEMICAL STORAGE BUILDING**
 4175 EDSSEL AVENUE, SAINT CLOUD, FL.
 JOB NO.: 38617185 DATE: SEPTEMBER 2008



FIGURE 23

TABLES

TABLE 1

**SUMMARY OF OVA RESULTS
KISSIMMEE FIELD STATION
80 South Hoagland Boulevard
Kissimmee, Osceola County, Florida
FDEP FAC ID #498520968
URS Job # 38617-185
August 27-28, 2008**

		OVA SCREENING RESULTS						
		BORING NO.	SAMPLE INTERVAL (FBL)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	COMMENTS	
KISSIMMEE FIELD STATION	Maintenance Bays ¹	MB-SB1	0-2	<1	---	<1	[MB-SB1(0-2)]	
			2-4	<1	---	<1		
		MB-SB2	0-2	<1	---	<1		
			2-4	<1	---	<1		
		MB-SB3	0-2	<1	---	<1		
			2-4	<1	---	<1		
		MB-SB4	0-2	<1	---	<1		
			2-4	<1	---	<1	[MB-SB4(2-4)]	
	Former Hydraulic Lift ²	FHL-SB1	0-2	10	5	5		
			2-4	<1	---	<1		
		FHL-SB2	0-2	30	5	25	[FHL-SB2(0-2)] [DUP-5]	
			2-4	<1	---	<1		
		FHL-SB3	0-2	5	<1	5		
			2-4	<1	---	<1		
		FHL-SB4	0-2	10	5	5		
			2-4	3	<1	3		
		FHL-SB5	0-2	20	5	15		
			2-4	<1	---	<1		
	Vehicle Wash Down Area ¹	VW-SB1	0-2	2	<1	2	[VW-SB1(0-2)] [DUP-7]	
			2-4	<1	---	<1		
		VW-SB2	0-2	<1	---	<1		
			2-4	<1	---	<1		
		VW-SB3	0-2	<1	---	<1		
			2-4	<1	---	<1		
		VW-SB4	0-2	<1	---	<1		
			2-4	<1	---	<1		
	Chemical Storage Building ³	CS-SB1	0-2	---	---	---	[CS-SB1(0-2)]	
			2-4	---	---	---		
		CS-SB2	0-2	---	---	---		
			2-4	---	---	---		
	Open Air Storage Area ¹	OAS-SB1	0-2	<1	---	<1	[OAS-SB1(0-2)] [DUP-9]	
			2-4	<1	---	<1		
		OAS-SB2	0-2	<1	---	<1		
			2-4	<1	---	<1		
		OAS-SB3	0-2	<1	---	<1		
			2-4	<1	---	<1		
	Surface Water Run-Off - South Side of Lot ⁴	SWR-SB1	0-2	<1	---	<1	[SWR-SB1(0-2)] [DUP-11]	
			2-4	<1	---	<1		
		SWR-SB2	0-2	<1	---	<1		
			2-4	<1	---	<1		
		SWR-SB3	0-2	<1	---	<1	[SWR-SB3(0-2)]	
			2-4	<1	---	<1		
	Truck Wash Down Area ¹	TW-SB1	0-2	10	2	8	[TW-SB1(0-2)]	
			2-4	<1	---	<1		
		TW-SB2	0-2	<1	---	<1		
			2-4	<1	---	<1		
		TW-SB3	0-2	<1	---	<1		
			2-4	<1	---	<1		
	Underground Storage Tanks Area ⁵	UST-SB1	0-2	15	2	13	[UST-SB1(0-2)]	
			2-4	5	<1	5		
		UST-SB2	0-2	40	5	35	Slight Petroleum Odor [UST-SB2(0-2)]	
			2-4	10	2	8		
		UST-SB3	0-2	2	<1	2		
			2-4	<1	---	<1		
		UST-SB4	0-2	<1	---	<1		
			2-4	<1	---	<1		
	Former Underground Storage Tank Area ⁵	FUST-SB1	0-2	<1	---	<1		
			2-4	<1	---	<1		
		FUST-SB2	0-2	<1	---	<1		
			2-4	<1	---	<1		
		FUST-SB3	0-2	10	2	8		
			2-4	60	5	55	Faint Petroleum Odor [FUST-SB3(2-4)] [DUP-12]	
		FUST-SB4	0-2	15	5	10		
			2-4	25	5	20	[FUST-SB4(2-4)]	
		FUST-SB5	0-2	<1	---	<1		
			2-4	<1	---	<1		
	SAINT CLOUD ANNEX	Herbicide Container Staging Area ⁶	SA-SB1	0-2	---	---	---	
				2-4	---	---	---	
			SA-SB2	0-2	---	---	---	
				2-4	---	---	---	
			SA-SB3	0-2	---	---	---	[SA-SB3(0-2)] [DUP-3]
				2-4	---	---	---	
		SA-SB4	0-2	---	---	---		
			2-4	---	---	---		
		Chemical Storage Building ⁶	CSB-SB1	0-2	---	---	---	[CSB-SB1(0-2)] [DUP-2]
				2-4	---	---	---	
			CSB-SB2	0-2	---	---	---	
				2-4	---	---	---	
	CSB-SB3		0-2	---	---	---		
			2-4	---	---	---		

Notes:

Groundwater was encountered at approximately 4.0 feet below land surface (fbls)

FBL - feet below land surface

ppm - parts per million

Net Reading = Total Reading minus Carbon Filter Reading

--- = not sampled

¹ **Bold** = Soil sample collected using the low detection syringe method and analyzed by EPA Method 8021 (VOA and VOH), FL-PRO Method (TRPH), and Lead² **Bold** = Soil sample collected using the low detection syringe method and analyzed by EPA Method 8100 (PAH), FL-PRO Method (TRPH), Cadmium, Chromium, and Lead³ **Bold** = Soil sample collected and analyzed EPA Method 8081 (OCP), EPA Method 8141 (OPP), EPA Method 8151 (Herbicides), and Arsenic⁴ **Bold** = Soil sample collected and analyzed by FL-PRO Method (TRPH)⁵ **Bold** = Soil sample collected using the low detection syringe method and analyzed for the Kerosene Analytical Group (KAG) by EPA Method 8021 (VOA and VOH), EPA Method 8100 (PAH), and FL-PRO Method (TRPH)⁶ **Bold** = Soil sample collected and analyzed by EPA Method 8151 (Herbicides), and Arsenic

[] - soil sample laboratory identification

TABLE 2

SUMMARY OF SOIL ANALYTICAL RESULTS - PETROLEUM
 KISSIMMEE FIELD STATION
 80 South Hoagland Boulevard
 Kissimmee, Osceola County, Florida

FDEP FAC ID #498520968
 URS Job # 38617-185
 August 27-28, 2008

SAMPLE PARAMETERS				Maintenance Bays		Former Hydraulic Lift		Vehicle Wash Down Area		Open Air Storage Building		Surface Water Run-Off - South Side of Lot			Truck Wash Down Area	UST Area		Former UST Area		
				MB-SB1(0-2)	MB-SB4(2-4)	FHL-SB2(0-2)	DUP-5 ⁴	VW-SB1(0-2)	DUP-7 ⁴	OAS-SB1(0-2)	DUP-9 ⁴	SWR-SB1(0-2)	DUP-11 ⁴	SWR-SB3(0-2)	TW-SB1(0-2)	UST-SB1(0-2)	UST-SB2(0-2)	FUST-SB3(2-4)	DUP-12 ⁴	FUST-SB4(2-4)
OVA Results (ppm)				<1	<1	25	25	2	2	<1	<1	<1	<1	<1	8	13	35	55	55	20
Laboratory Analysis	Residential ¹	Commercial ²	Leachability ³																	
FL-PRO Method (mg/Kg)																				
Petroleum Hydrocarbons	460	2700	340	18.0	10.0	0.170 U	0.170 U	14.3	5.00	6.40	4.62	13.8	0.170 U	0.170 U	0.170 U	0.170 U	49.6	16.6	2.00	0.170 U
EPA Method 8021 scanned by 8260B (mg/Kg)																				
Benzene	1.2	1.7	0.007	0.0002 U	0.0002 U	---	---	0.0002 U	0.0002 U	0.0002 U	0.0002 U	---	---	---	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Toluene	7500	60000	0.5	0.0003 U	0.0003 U	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	---	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U
Ethylbenzene	1500	9200	0.6	0.0003 U	0.0003 U	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	---	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U
Xylenes, Total	130	700	0.2	0.0006 U	0.0006 U	---	---	0.0006 U	0.0006 U	0.0006 U	0.0006 U	---	---	---	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U	0.0006 U
MTBE	4400	24000	0.09	0.0003 U	0.0003 U	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	---	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U
1,1-Dichloroethene	95	510	0.06	0.0002 U	0.0002 U	---	---	0.0002 U	0.0002 U	0.0002 U	0.0002 U	---	---	---	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
1,1-Dichloroethane	390	2100	0.4	0.0003 U	0.0003 U	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	---	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U
Chlorobenzene	120	650	1.3	0.0004 U	0.0004 U	---	---	0.0004 U	0.0004 U	0.0004 U	0.0004 U	---	---	---	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
1,4-Dichlorobenzene	6.4	9.9	2.2	0.0003 U	0.0003 U	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	---	---	---	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U
Other EPA 8021 Constituents	---	---	---	BDL	BDL	---	---	BDL	BDL	BDL	BDL	---	---	---	BDL	BDL	BDL	BDL	BDL	BDL
EPA Method 8260B (mg/Kg)																				
1,2-Dibromoethane (EDB)	0.5	0.7	0.01	0.0004 U	0.0004 U	---	---	0.0004 U	0.0004 U	0.0004 U	0.0004 U	---	---	---	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
EPA Method 8100 scanned by 8270 (mg/Kg)																				
Naphthalene	55	300	1.2	---	---	0.02 U	0.02 U	---	---	---	---	---	---	---	---	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
1-Methylnaphthalene	200	1800	3.1	---	---	0.01 U	0.01 U	---	---	---	---	---	---	---	---	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene	210	2100	8.5	---	---	0.02 U	0.02 U	---	---	---	---	---	---	---	---	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Phenanthrene	2200	36000	250	---	---	0.01 U	0.01 U	---	---	---	---	---	---	---	---	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	2400	45000	880	---	---	0.02 U	0.02 U	---	---	---	---	---	---	---	---	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Benzo(a)pyrene	0.1	0.7	8	---	---	0.05 U	0.05 U	---	---	---	---	---	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzo(a)anthracene	#	#	0.8	---	---	0.04 U	0.04 U	---	---	---	---	---	---	---	---	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Benzo(b)fluoranthene	#	#	2.4	---	---	0.04 U	0.04 U	---	---	---	---	---	---	---	---	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Benzo(k)fluoranthene	#	#	24	---	---	0.02 U	0.02 U	---	---	---	---	---	---	---	---	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chrysene	#	#	77	---	---	0.02 U	0.02 U	---	---	---	---	---	---	---	---	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dibenz(a,h)anthracene	#	#	0.7	---	---	0.08 U	0.08 U	---	---	---	---	---	---	---	---	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
Indeno(1,2,3-cd)pyrene	#	#	6.6	---	---	0.04 U	0.04 U	---	---	---	---	---	---	---	---	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Benzo(g,h,i)perylene	2500	52000	32000	---	---	0.06 U	0.06 U	---	---	---	---	---	---	---	---	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Other EPA 8100 Constituents	---	---	---	---	---	BDL	BDL	---	---	---	---	---	---	---	---	BDL	BDL	BDL	BDL	BDL
Metals by EPA Method 6010B (mg/Kg)																				
Cadmium	82	1700	7.5	---	---	0.003 U	0.003 U	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	210	470	38	---	---	4.9	5.2	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	400	1400	*	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	0.008 U	---	---	---	0.007 U	---	---	---	---	---

Notes:
 Soil samples collected and analyzed using the low detection syringe method for EPA Method 8021 (BTEX and MTBE), EPA Method 8100 (PAHs), and FL-PRO Method (TRPHs)
¹ Soil Cleanup Target Levels (SCTLs) per Chapter 62-777 FAC Table II, Direct Exposure - Residential
² Soil Cleanup Target Levels (SCTLs) per Chapter 62-777 FAC Table II, Direct Exposure - Commercial
³ Soil Cleanup Target Levels (SCTLs) per Chapter 62-777 FAC Table II, Leachability based on Groundwater Criteria
⁴ Duplicate samples collected for Quality Control / Quality Assurance (QA/QC)
 mg/Kg - milligrams per Kilogram
 U - indicates that the compound was analyzed for but not detected above the listed value
 MTBE - Methyl tert butyl ether
 # = each concentration must be converted to Benzo(a)pyrene equivalent if one or more of the 7 carcinogenic polynuclear aromatic hydrocarbons (PAHs) are detected
 * - Leachability values derived using SPLP to calculate site-specific SCTLs.
 BDL - Below Laboratory Detection Limit
 ppm - parts per million
 OVA - Organic Vapor Analyzer
 --- = SCTL not developed or sample not analyzed

TABLE 3

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - PETROLEUM

KISSIMMEE FIELD STATION
80 South Hoagland Boulevard
Kissimmee, Osceola County, Florida

FDEP FAC ID #498520968

URS Job # 38617-185

August 27-28, 2008

SAMPLE PARAMETERS			Sample ID													
			Maintenance Bays		Former Hydraulic Lift		Vehicle Wash Down Area		Open Air Storage Building		Truck Wash Down Area	UST Area		Former UST Area		
			MB-WP1	FHL-WP1	DUP-6 ³	VW-WP1	DUP-8 ³	OAS-WP1	DUP-10 ³	TW-WP1	UST-WP1	UST-WP2	FUST-WP1	DUP-13 ³	FUST-WP2	
Laboratory Analysis	GCTL ¹	NAM ²														
FL-PRO (mg/L)																
Petroleum Hydrocarbons	5	50	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U	1.07	0.040 U	0.040 U	1.01	0.040 U	0.040 U
EPA Method 8021 scanned 8260B (µg/L)																
Benzene	1	100	0.6 U	---	---	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Toluene	40	400	0.7 U	---	---	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Ethylbenzene	30	300	0.7 U	---	---	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Total Xylene	20	200	1.7 U	---	---	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
MTBE	20	200	0.5 U	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	70 ^{1a}	7,000	0.5 U	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	7 ^{1a}	700	0.6 U	---	---	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U
Chlorobenzene	100 ^{1a}	1,000	0.7 U	---	---	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
1,4-Dichlorobenzene	75 ^{1a}	750	0.5 U	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Other Constituents	---	---	BDL	---	---	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
EPA Method 8260B/8011 (µg/L)																
1,2-Dibromoethane (EDB)	0.02	2	0.02 U	---	---	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
EPA Method 8100 scanned by 8270 (µg/L)																
Naphthalene	14	140	---	0.1 U	0.1 U	---	---	---	---	---	---	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1-Methylnaphthalene	28	280	---	0.3 U	0.3 U	---	---	---	---	---	---	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
2-Methylnaphthalene	28	280	---	0.3 U	0.3 U	---	---	---	---	---	---	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Phenanthrene	210	2100	---	0.2 U	0.2 U	---	---	---	---	---	---	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Pyrene	210	2100	---	0.4 U	0.4 U	---	---	---	---	---	---	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Benzo(a)pyrene	0.2	2	---	0.2 U	0.2 U	---	---	---	---	---	---	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)anthracene	0.05	0.5	---	0.05 U	0.05 U	---	---	---	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzo(b)fluoranthene	0.05	0.5	---	0.05 U	0.05 U	---	---	---	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzo(k)fluoranthene	0.5	5	---	0.5 U	0.5 U	---	---	---	---	---	---	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	4.8	48	---	0.2 U	0.2 U	---	---	---	---	---	---	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibenz(a,h)anthracene	0.005	0.05	---	0.005 U	0.005 U	---	---	---	---	---	---	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Indeno(1,2,3-cd)pyrene	0.05	0.5	---	0.05 U	0.05 U	---	---	---	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzo(g,h,i)perylene	210	2100	---	0.3 U	0.3 U	---	---	---	---	---	---	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Other Constituents	---	---	---	BDL	BDL	---	---	---	---	---	---	BDL	BDL	BDL	BDL	BDL
Metals by EPA Method 6010B (mg/L)																
Cadmium	0.005	#	---	0.00003 U	0.00003 U	---	---	---	---	---	---	---	---	---	---	---
Chromium	0.1	1.0	---	0.026	0.006	---	---	---	---	---	---	---	---	---	---	---
Lead	0.015	0.15	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U	0.00001 U

Notes:

¹ Groundwater Cleanup Target Levels (GCTLs) per Chapter 62-777, FAC, Table V

^{1a} Groundwater Cleanup Target Levels (GCTLs) per Chapter 62-550, Primary Standard or Minimum Criteria

² Natural Attenuation Default Source Concentrations per Chapter 62-777, FAC, Table V

³ Duplicate samples collected for Quality Control / Quality Assurance (QA/QC)

mg/L - milligrams per Liter

µg/L - micrograms per Liter

- Hardness-dependent per Chapter 62-302, FAC

U - indicates that the compound was analyzed for but not detected above the listed value

MTBE - Methyl tert butyl ether

BDL - Below Laboratory Detection Limit

--- = GCTL not developed or sample not analyzed

WP - Well Point using a Direct-Push Geoprobe

TABLE 4

**SUMMARY OF SOIL ANALYTICAL RESULTS - AGROCHEMICAL
KISSIMMEE FIELD STATION / SAINT CLOUD ANNEX
80 South Hoagland Boulevard / 4175 Edsel Avenue
Kissimmee / Saint Cloud, Osceola County, Florida
FDEP FAC ID #498520968
URS Job # 38617-185**

August 27-28, 2008

SAMPLE IDENTIFICATION				Kissimmee Field Station	Saint Cloud Annex			
				Chemical Storage Building	Staging Area		Chemical Storage Building	
				CS-SB1(0-2)	SA-SB3(0-2)	DUP-3 ⁴	CSB-SB1(0-2)	DUP-2 ⁴
Laboratory Analysis	Residential ¹	Commercial ²	SCTL ³					
Organochlorine pesticides by EPA Method 8081A (µg/kg)								
4,4-DDD	4,200	22,000	5,800	0.068 U	---	---	---	---
4,4-DDE	2,900	15,000	18,000	0.036 U	---	---	---	---
4,4-DDT	2,900	15,000	11,000	0.028 U	---	---	---	---
Dieldrin	60	300	2	0.035 U	---	---	---	---
Toxaphene	900	4500	31,000	0.100 U	---	---	---	---
Total Chlordane	2,800	14,000	9,600	0.100 U	---	---	---	---
Other Constituents	---	---	---	BDL	---	---	---	---
Organophosphorus pesticides by EPA Method 8141 (mg/kg)								
Atrazine	4.3	19	0.06	0.02 U	---	---	---	---
Other Constituents	---	---	---	BDL	---	---	---	---
Chlorinated Herbicides by EPA Method 8151 (mg/kg)								
All Constituents	---	---	---	BDL	BDL	BDL	BDL	BDL
Metals by EPA Method 6010B (mg/kg)								
Arsenic	2.1	12	*	0.57	2.02	2.92	0.68	1.30

Notes:

¹ FAC Chapter 62-777, Table 2-Technical Background Document, Soil Cleanup Target Levels (SCTLs), Residential Direct Exposure

² Soil Cleanup Target Levels (SCTLs) per Chapter 62-777 FAC Table II, Direct Exposure - Commercial

³ FAC Chapter 62-777, Table 2-Technical Background Document, Soil Cleanup Target Levels (SCTLs), Leachability Based on Groundwater Criteria

⁴ Duplicate samples collected for Quality Control / Quality Assurance (QA/QC)

--- = SCTL not developed or sample not analyzed

* - Leachability values derived using SPLP to calculate site-specific SCTLs.

BDL = Below Detection Limit

U=Analyte included in analysis, but not detected

(µg/kg) = microgram per kilogram

(mg/kg) = milligram per kilogram

BOLD - sample result exceeds Residential SCTL

TABLE 5

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - AGROCHEMICAL

KISSIMMEE FIELD STATION / SAINT CLOUD ANNEX

80 South Hoagland Boulevard / 4175 Edsel Avenue

Kissimmee / Saint Cloud, Osceola County, Florida

FDEP FAC ID #498520968

URS Job # 38617-185

August 27-28, 2008

SAMPLE IDENTIFICATION	GUIDANCE CONCENTRATION		Kissimmee Field Station	Saint Cloud Annex			
			Chemical Storage Building	Staging Area		Chemical Storage Building	
			CS-WP1	SA-WP1	DUP-4 ³	CSB-PW1	DUP-1 ³
Laboratory Analysis	GCTL ¹	NAM ²					
Organochlorine Pesticides by EPA Method 8081 (µg/L)							
4,4-DDD	0.1	10	0.0008 U	---	---	---	---
4,4-DDE	0.1	10	0.0008 U	---	---	---	---
4,4-DDT	0.1	10	0.0008 U	---	---	---	---
Dieldrin	0.002	0.2	0.00075 U	---	---	---	---
Toxaphene	3	300	0.005 U	---	---	---	---
Total Chlordane	2	200	0.004 U	---	---	---	---
Other Constituents	---	---	BDL	---	---	---	---
Organophosphorus Pesticides by EPA Method 8141 (µg/L)							
Atrazine	3	300	0.06 U	---	---	---	---
All constituents	---	---	BDL	---	---	---	---
Chlorinated Herbicides by EPA Method 8151 (µg/L)							
All constituents	---	---	BDL	BDL	BDL	BDL	BDL
Metals by EPA Method 6010B (mg/L)							
Arsenic	0.010	0.050	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U

Notes:¹ Florida Administrative Code Chapter 62-777 Table 1 (Groundwater Cleanup Target Levels) Technical Background Document² Natural Attenuation Default Source Concentrations per Chapter 62-777, FAC, Table V³ Duplicate samples collected for Quality Control / Quality Assurance (QA/QC)

mg/L = milligrams per liter

µg/L = micrograms per liter

BDL= Below Laboratory Detection Limit

U=Analyte included in analysis, but not detected

--- = GCTL not developed or sample not analyzed

APPENDIX A
RESUMES OF PROFESSIONALS PERFORMING ESA



Edward A. Leding, PG

Senior Geologist

Areas of Expertise

Contamination Assessment, Fate and Transport
Soil and Groundwater Remediation
Environmental Risk and Site Assessment
Facility and Storage Tank Compliance

Years of Experience

With URS: 7 Years

With Other Firms: 11 Years

Education

M.S., Geology, University Of Arkansas, Fayetteville, Arkansas, 1986

B.S., Geology, University Of Oklahoma, Norman, Oklahoma, 1981

Registration/Certification

Professional Geologist: Florida No. 1292, Arkansas No. 751

Overview

Joined Firm in February, 1999. Manages projects and provides technical support on environmental audits, site assessments, and remediation projects, with emphasis on projects associated with land acquisitions under the Florida Everglades Restoration Program and the Agricultural Reserve Corridor in Palm Beach County, Florida. Responsibilities include evaluating current environmental impairment and potential environmental liability of a property prior to purchase. Provide technical design and support for remedial actions to abate soil and groundwater impacts from petroleum products, pesticides/herbicides, metals and solvents.

Project Specific Experience

- Project Hydrogeologist of groundwater quality evaluation at the closed Cross State Landfill for the Solid Waste Authority of Palm Beach County. The evaluation included a summary of geological and hydrogeological subsurface conditions at the closed Class I landfill.
- Developed a surface water and groundwater sampling plan and provided an evaluation of the data as part of the development of a regional impact study for the Scripps project in Palm Beach County, FL.
- Project manager of Phase I and II Environmental Site Assessment and subsequent Contamination Assessment (CA) of over 18,000 agricultural acres in western Palm Beach County. As part of the investigation a comprehensive work plan was developed and submitted to the FDEP, US Fish & Wildlife Services and the SFWMD. Components of the investigation included interviews with farm personnel, historical record review, soil and groundwater, sediment, and hydrologic dynamics evaluations and assessments. In conjunction with the CA an ecological evaluation and risk assessment was conducted in which site specific “cleanup goals” were established and approved by the FDEP and US Fish & Wildlife Services. Significant areas of investigation included an airstrip and associated mix and load area, two large maintenance areas, burn area, numerous pump stations and canals, and an extensive evaluation of residual pesticide and metals concentrations in the cultivated fields.
- Project manager for remediation of cattle dipping vat sites for the South Florida Water Management District (SFWMD). Projects required negotiation of the assessment and corrective action procedures with the Florida Department of Environmental Protection (FDEP) using a risk based approach contingent on the current and projected future land use. Contaminants of concern include arsenic, DDT, and BHCs.



- Project manager of Phase I and II Environmental Site Assessment and subsequent Contamination Assessment (CA) and Corrective Actions of over 4,500 acres in an agricultural and citrus grove area in Palm Beach County. The assessment and corrective actions were preparatory to the construction of the US Army Corps of Engineer and SFWMD \$ 54 million dollar Stormwater Treatment Area - 1 East. Components of the investigation included interviews with farm personnel, historical record review, soil and groundwater, sediment, hydrologic dynamics evaluations and assessments and peer review of environmental assessments conducted on the properties the comprise the Stormwater Treatment Area – 1 East. Significant areas of investigation included a maintenance area and chemical storage trailer and associated mix and load areas, aboveground and underground storage tanks and refueling areas, numerous pump stations and canals. Contamination assessments were conducted and approved by the county regulatory agency and FDEP for the aboveground and underground storage tank areas, maintenance area and chemical storage trailer and the mix and load areas. Corrective actions were conducted in conjunction with the assessments resulting in short term monitoring and/or closures.
- Project manager of Risk Assessments for a former dry cleaners and a former petroleum dispensing facility, located in Palm Beach and Orange Counties, respectively, in which site specific groundwater cleanup standards were established. The ERAs resulted in a “No Further Action and Site Rehabilitation Completion” ruling from both the county regulatory agencies and the FDEP.
- Other project management duties, which include operation and oversee maintenance of soil and groundwater remediation systems, optimize systems to expedite remedation and closure of site. Oversee underground storage tank removals, closures and compliance. Generate cost estimates and supervise project budgets.

Professional Societies/Affiliates

American Association of Petroleum Geologists

Florida Association of Professional Geologists

Awards

[Click **here** and type Year/Award Name/Awarded by]

Languages

[Click **here** and type Language(s)]

Specialized Training

[Click **here** and type Year/Training Course]



Security Clearance

[Click [here](#) and type Security Clearance Level]

Publications

[Click [here](#) and type "Article Name", Publication, Vol #, Month, Year]

Chronology

IT Corporation, Miami Lakes, Florida

Project Geologist

- Supervise site assessments, implement groundwater and soil remediation systems associated with petroleum dispensing facilities for Chevron U.S.A. Products, Inc., South Florida Water Management District and Texaco Refining and Marketing, Inc. Oversee operation and maintenance of remediation systems, and optimize system to expedite remediation and closure of site. Generate cost estimates and supervise project budgets.
- Conduct and oversee Phase I and Phase II Environmental Audits, and passive remediation/natural attenuation projects for Broward County Board of County Commissioners. Generate cost estimates and supervise project budgets.
- Generate health and safety plans and site investigation work plans, implementation of plans for Florida Department of Environmental Protection Hazardous Waste Contamination Assessment Program.
- Oversee underground storage tank compliance (FAC Chapter 62-761, Chapter 24 Dade County) for independent oil companies.

IT Corporation, Miami, Florida

Office Manager

- Oversee the day-to-day operations of project office and five person staff.
- Project Manager for Miami-Dade County Department of Environmental Resources Management State Cleanup Program. Generate cost estimates and manage \$ 500,000 dollar annual budget; supervise site assessments, and remedial action plans.
- Project Manager for Mobil Oil Corporation and independent oil companies. Oversee system installations, operation and maintenance of remediation systems, and optimize systems to expedite remediation and closure of site. Supervise project budgets.

ViroGroup/Missimer Division, Miami Lakes, Florida

Professional Geologist



- Projects Director for BP Oil Company in South Florida. Generate cost estimates and supervise project budgets, Phase I and Phase II Environmental Audits conducted at BP Oil Company petroleum dispensing facilities as part of a real estate divestiture program.
- Technical Coordinator and supervisor of emergency response for BP Oil Company and Barnett Banks, Inc in the state of Florida.
- Technical review of Phase I Audits for Barnett Banks, Inc., County National and Nations Bank.

Cherokee Groundwater Consultants, Inc. Hollywood, Florida

Professional Geologist

- Projects Director for BP Oil Company in the state of Florida. Supervise and review all phases of environmental and compliance activities/issues. Generate cost estimates, manage \$ 3.4 million dollar annual budget. Optimize soil and groundwater treatment systems to expedite remediation and closure of site.
- Technical coordinator and supervisor of emergency response for BP Oil Company in the state of Florida.

Cherokee Groundwater Consultants, Inc. Jupiter, Davie, Florida

Project Geologist

- Project Geologist for Mobil Oil Corporation, BP Oil Company, Amoco Oil Company, and independent oil companies. Managed up to 34 active underground storage tank projects. Supervise the installation of monitor wells and soil borings, collecting soil and groundwater samples, conduct aquifer characteristic tests, analyze data and formulate contamination assessment reports, quarterly and annual remediation progress reports.

Prior to working in the environmental industry, Mr. Leding was employed in the petroleum industry. Mr. Leding worked for five years as a petroleum geologist involved in the exploration for, and development of, oil and gas in Oklahoma and Texas.

Organized sub-contractors involved in the on-site cleanup. Conducted confirmation soil and groundwater sampling once soil and debris were removed.

- Oversight; excavation and disposal of over 3000 tons of petroleum impacted soils at Citgo in Pasco County. Organized sub-contractors involved in the on-site cleanup. Conducted confirmation soil and groundwater sampling once soils were removed.
- Conducted field contamination investigations at Florida sites, including groundwater, soil, sediment and surface water sampling for purgeable aromatics, polynuclear aromatic hydrocarbons, pesticides, herbicides and metals.
- Supervise the installation of monitor wells and soil borings, collecting soil and groundwater samples, conduct aquifer characteristic tests, analyze data and formulated contamination assessment reports, quarterly, semi-annual, and annual remediation progress reports.

Contamination Assessments

- Data analysis; writing/report preparation for agricultural lands in West Palm Beach, Florida.
- Conducted field investigations/sampling at Florida sites, including groundwater, soil, sediment and surface water sampling for purgeable aromatics, polynuclear aromatic hydrocarbons, pesticides, herbicides and metals.
- Prepared No Further Action without Conditions Report for former and current car dealerships and car rental facilities based on current site conditions founded on FAC Chapter 62-770.

Health and Safety Plans

- Prepared Health and Safety Plans for dust monitoring during the removal of lead-impacted soil at Crocodile Lake National Wildlife Refuge site in Key Largo, Florida, as well as implementing the plan.
- Prepared Health and Safety Plans for dust monitoring during the removal of arsenic-impacted soil at Arthur R. Marshall National Wildlife Refuge site in Lantana, Florida, as well as implementing the plan.

William F. Marcus

Principal - Manager, Waste Management Group

Expertise

- Hazardous Waste Management, Regulations and Permitting
- Contamination Assessment and Remedial Project Management
- Environmental Science
- Geological Science
- Environmental Due Diligence/Regulatory Permitting

Academic Background

Bachelor of Arts in Geology, 1986, The College of Wooster, Wooster, Ohio.

Special Training

- EPA Technical Management Training Courses
- Incident Mitigation and Treatment Methods
- Hazardous Materials Sampling
- Hazardous Materials Emergency Response
- Risk Assessment, Risk Management
- Bioremediation Research and Development
- Ambient Air Toxic Monitoring

Professional Affiliations

- Florida Association of Environmental Professionals
- National Well Water Association



Experience

Joined URS in 1989. Provides Contamination Assessment and Remediation project management for sites throughout the Southeast and Caribbean Region impacted by petroleum and hazardous wastes. Provides environmental due diligence expertise for acquisition and/or property transaction for real estate development and institutional lending.

Managing Principal-in-Charge for Cornerstone Real Estate Advisers, Inc/Massachusetts Mutual Life Insurance Company Environmental Portfolio

- Managing Principal responsible for the environmental asset management and environmental consulting services for

nation-wide portfolio as consultant for Cornerstone Real Estate Advisers/MMLIC residential/mixed use, commercial, joint venture developments and industrial assets.

- Coordinate all environmental due diligence and environmental actions associated with new property/development acquisitions, joint venture developments and property transactions. Environmental due diligence includes Phase I ESAs, soil and groundwater assessments, indoor air quality assessments, mold assessment and mitigation planning, asbestos investigations/abatement/operation and maintenance plan development, remedial and corrective actions, regulatory correspondence and permitting throughout U.S.
- Manage and maintain Cornerstone Real Estate's Environmental CITRIX System Database for all assets throughout U.S.

Project Manager for South Florida Water Management District, Everglades Agricultural Area Environmental Assessment Program

- Conducted pre-acquisition Phase I and Phase II Environmental Site Assessments on over 100,000 acres of agricultural land in Dade, Broward, and Palm Beach Hendry Counties.
- Managed Phase II site assessment activities for multi-media sampling of soil, groundwater sediment, surface water at Talisman and U.S. Sugar Mills in Palm Beach and Hendry Counties. Documentation and reporting of Phase II and corrective actions to SFWMD, US Fish and Wildlife, and Florida Department of Environmental Protection
- Development of Site Specific Ecological Risk Assessment with project team based on comprehensive site assessment and background data collected during investigations.

Senior Project Manager Broward County Aviation Department Environmental Assessments

- Program Manager for BCAD Environmental assessments and corrective action planning associated with historical areas of environmental impacts to soils and groundwater. Multiple projects sites including BCAD West Side Vinyl Chloride study, Navy Dump site, and former Sunstream Jet facility. Assessment and corrective actions conducted in accordance with FDEP Southeast District office.
- Former Garside Aircraft Site assessment Remedial Action Plans and Bio-remediation associated with soils and groundwater impacts. Assessment and remediation work plans approved by and conducted in accordance with Broward County EPD regulations.
- Environmental permitting support and groundwater modeling from 1999-2006 associated with the construction and development of parking garages and consolidated rental services fuel distribution at airport. Conducted groundwater contaminant modeling for dewatering activities

Environmental Program Manager for Palm Beach County Facilities Development and Operations

- Senior Project Manager for the development of surface water and groundwater sampling plan and data evaluation as part of the development for the Environmental Assessment and Impact Study for the Scripps project in Palm Beach County, FL.
- Senior Project Manager for the due diligence support to Palm Beach County FD&O for new land acquisitions, including groundwater and surface water monitoring and contamination assessments.

Environmental Programs Director for Solid Waste Authority - Palm Beach County, FL

- Senior Program Manager and Contacts Manager for the Solid Waste Authority environmental programs Palm Beach County for development of groundwater quality evaluation at the closed Cross State Landfill for the Solid Waste Authority of Palm Beach County. The evaluation included a summary of geological and hydrogeological subsurface conditions at the closed Class I landfill and development of groundwater monitoring program.

Managing Director for Environmental Due Diligence Management Services

- Senior Project Manager for Blackstone Group acquisition of Boca Resorts, Inc. for purchase of \$1.25B hotel portfolio in Boca Raton, Fort Lauderdale and Naples, FL. Consulting Due Diligence services including environmental assessments, indoor air quality, asbestos and engineering property conditions evaluations.
- Senior Project Manager for over 150 environmental Due Diligence assessments in Florida for national based real estate, development clients for purchase and sales of residential, commercial and industrial sites.

Field Operations Manager for the United Technologies Hamilton Standard Division EPA RCRA Facilities Investigation - Windsor Locks, Connecticut.

- Coordinated and managed Phase I RFI field activities including: Installation of 96 groundwater monitoring wells, soils investigation, hazardous waste sampling and disposal, CLP lab analysis, air monitoring program, surface water and biological study.
- RFI Phase I Health & Safety Manager.

Project Lead Geologist for the Phase I Remedial Investigation (RI) at Joliet Army Ammunition Plant, Joliet, Illinois. The RI was

initiated in accordance between the U.S. Army Toxic and Hazardous Materials Agency, U.S. Environmental Protection Agency Region V, and Illinois EPA.

- Installation of over 100 deep zone groundwater monitoring wells, including geophysical, hydrogeologic and lithologic investigations.
- Unexploded ordinance investigation.
- Multi-media sampling including: soils, groundwater, surface water, sediment.

Emergency Response Team/ Environmental/ Hazardous Waste Scientist, Ecology & Environment, Inc.

- Member of EPA's Emergency Response Team for uncontrolled releases and spills of hazardous substances. Provided technical project management for EPA Region VII Superfund removal sites.
- Conducted federal environmental compliance inspections under CERCLA, RCRA, TSCA and Section 311 of the Clean Water Act, also conducted mitigation operations, inspections, and enforcement actions
- Project Manager concerning preliminary actions for bioremediation of creosote contaminated soils at the Scott Lumber site in Alton, Missouri. Conducted ambient air monitoring and statistical soil sampling for biological treatment objectives.
- Technical management and implementation of air toxic monitoring program, statistical soil sampling, monitor contractor (ERCs) clean-up operations and prepared trimester reports on removal activities over a ten-month period for Castlewood Dioxin Superfund Removal Site, Castlewood, Missouri.
- Conducted preliminary soil and water sampling, developed contamination assessment report for removal phase

actions for Times Beach Dioxin, Times Beach, and Missouri.

- Conducted air monitor compliance inspections, developed removal operations for decanning and hazardous waste disposal of banned liquid pesticide (EDB) for Douglas Chemical Company EDB Removal Site, Liberty, Missouri.

APPENDIX B
SITE PHOTOGRAPHS

APPENDIX B1

KISSIMMEE FIELD STATION



Photo: The property north of the Kissimmee Field Station and north of 5th Street is vacant. Approximately ¼-mile north is an airplane hanger (view north).



Cruzando
Transport, Inc.

Photo: Cruzando Transport, Inc. is located east of the Kissimmee Field Station and east South Hoagland Road.



7800 Congress Avenue, Suite 200
Boca Raton, FL 33487
Phone (561) 994-6500
Fax : (561) 994-6524

Property: Kissimmee Field Station
Location: 80 South Hoagland Boulevard, Kissimmee, Osceola County, Florida
Client: South Florida Water Management District
Project #: 38617-185

Site
Photos



Photo: The Kissimmee Airport is located approximately ¼-mile east of the Kissimmee Field Station (view east).



Small Businesses and Warehouses

Photo: Several small businesses are located southeast of the Kissimmee Field Station and east of South Hoagland Boulevard (view east).



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 Phone (561) 994-6500
 Fax : (561) 994-6524

Property: Kissimmee Field Station
Location: 80 South Hoagland Boulevard, Kissimmee, Osceola County, Florida
Client: South Florida Water Management District
Project #: 38617-185

Site
 Photos



Photo: J.R. Davis Construction is located south of the Kissimmee Field Station. Southeast of the Kissimmee Field Station and east of the J.R. Davis Construction Property is vacant (view south).

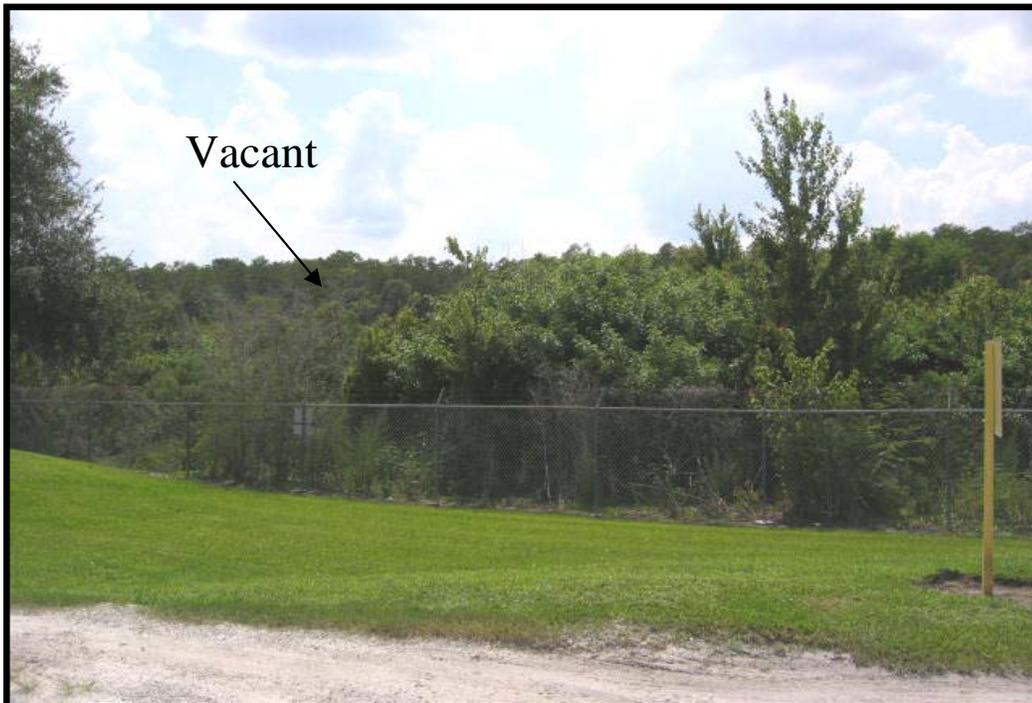


Photo: The property west of the Kissimmee Field Station is vacant (view west).



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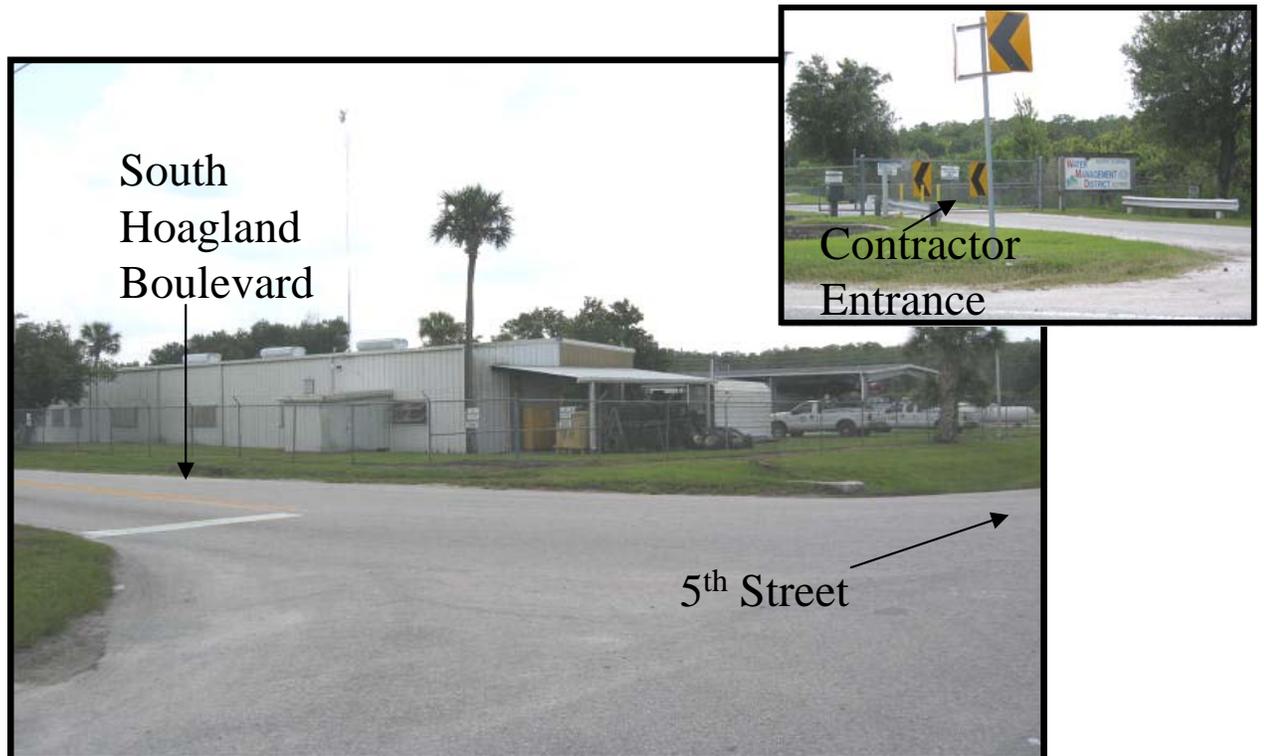
Property: Kissimmee Field Station
Location: 80 South Hoagland Boulevard, Kissimmee, Osceola County, Florida
Client: South Florida Water Management District
Project #: 38617-185

Site
 Photos



Administrative
Offices

Photo: Administrative offices are located in the south central portion of the property (view southwest).



South
Hoagland
Boulevard

Contractor
Entrance

5th Street

Photo: The main entrance to the property is from the east off South Hoagland Boulevard. A secondary entrance off 5th Street is located in the northwest corner of the property and is used by contractors (view southwest).



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Project #: 38617-185

Site
Photos

Maintenance Bays



Photo: General view of the Maintenance Bays (view northeast).

Maintenance Bays



Photo: The Maintenance Bays consist of tools and equipment to perform light duty maintenance. An aboveground lift is located in the second maintenance bay.



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Site
Photos



Maintenance Bays

Maintenance Bay Restrooms

Photo: Two restrooms located in the southeast corner of the Maintenance Bays discharge into a septic system located on the east side of the building.

Maintenance Bays



Septic Drainfield

Abandoned Well

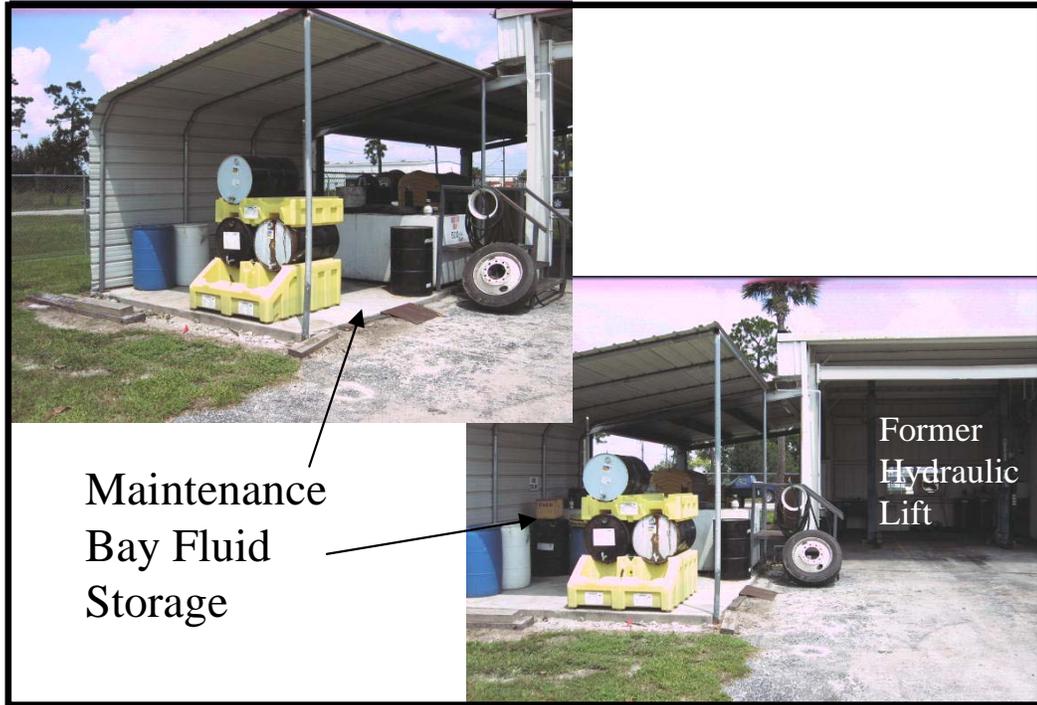
Photo: General view of the septic drainfield located on the east side of the Maintenance Bays. The well pad is located on the south side of the drainfield and was abandoned (view north).



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Client: South Florida Water Management District
Project #: 38617-185

Site Photos



Maintenance
Bay Fluid
Storage

Former
Hydraulic
Lift

Photo: The northern portion of the Maintenance Bays consists of storage for new and used fluids. The northern most bay in the maintenance area is the location of the former hydraulic Lift (view northeast).

Maintenance
Bay Fluid
Storage



Photo: Fluid storage area on the northern portion of the Maintenance Bays and north of the former Hydraulic Lift.



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Site
Photos

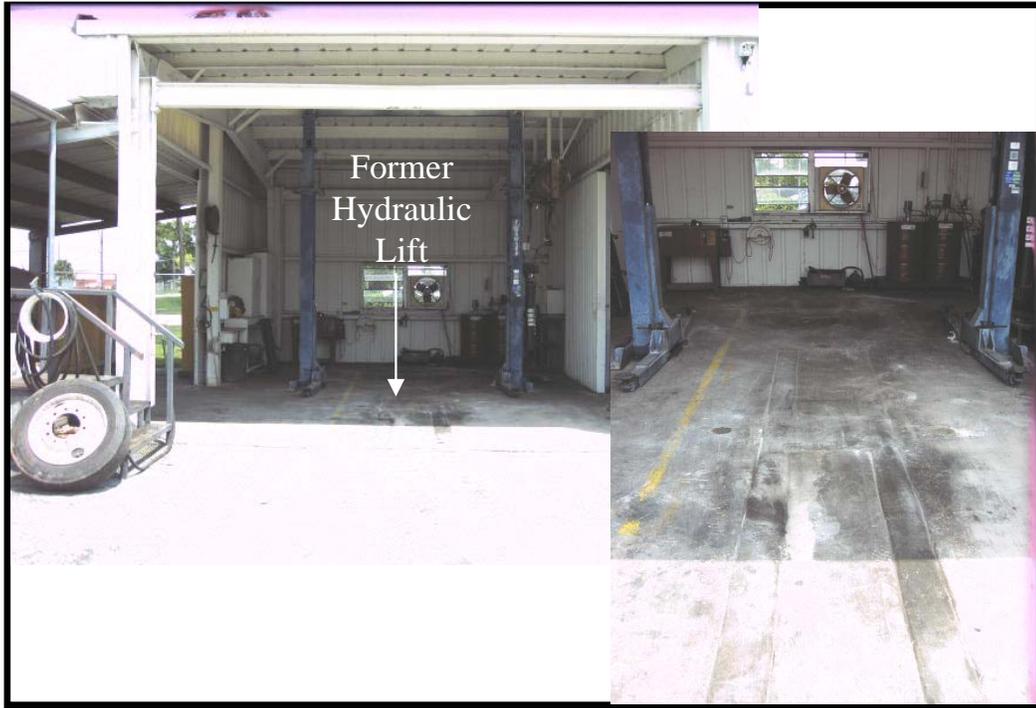


Photo: The former Hydraulic Lift is located in the northern most bay of the maintenance area. The former lift location is identified with the “H” on the floor (view east).

Former Hydraulic Lift



Photo: A sink, parts washer, and new oil drums are located in the former Hydraulic Lift bay (view north).



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Client: South Florida Water Management District
Project #: 38617-185

Site Photos

Vehicle Wash
Down Area



Photo: The Vehicle Wash Down Area is located in the north central portion of the property. This area is used to wash vehicles in which the concrete pad slopes to the north (view north).



Photo: The majority of the water flows into a trench drain on the northern portion of the concrete and discharges into the northern drainage ditch (view northwest).



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Client: South Florida Water Management District
Project #: 38617-185

Site
Photos

Chemical Storage Building



Photo: The Chemical Storage Building is located in the south central portion of the property. The building is used to storage chemicals which are used offsite (view southwest).

Chemical Storage Building Secondary Containment



Photo: In the event a discharge occurs in the building there is secondary containment on the south side of the building. The secondary containment is constructed of concrete and block and measured approximately 5 feet x 5 feet x 2 feet (view north).

Open Air
Storage
Building



Photo: The Open Air Storage Building is located in the east central portion of the property. The building is used to storage tools and equipment. Staining was observed on the east side of the building during the assessment (view east).

Open Air
Storage
Building



Photo: The central portion of the building is covered with plywood and used to store tools and equipment (view north).



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Property: Kissimmee Field Station
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Osceola County, Florida**
Client: South Florida Water Management District
Project #: 38617-185

Site
Photos

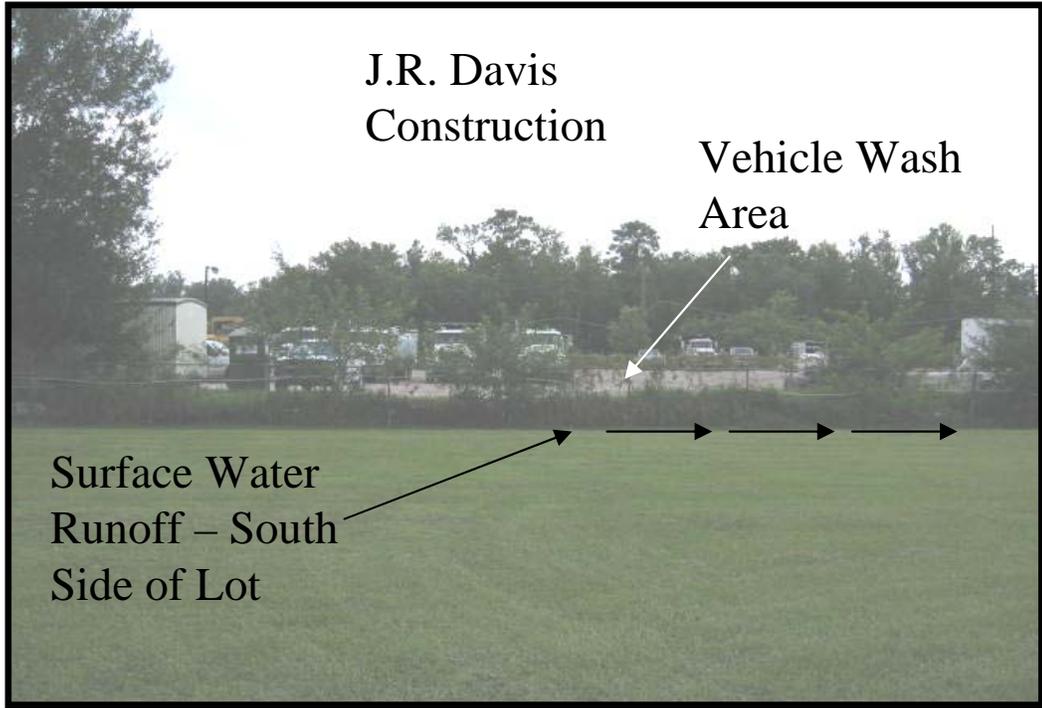


Photo: The Surface Water Runoff area is located on the southern boundary of the property. Surface water runoff from the J.R. Davis Construction vehicle wash down area and flows onto the Kissimmee Field Station property (view south).

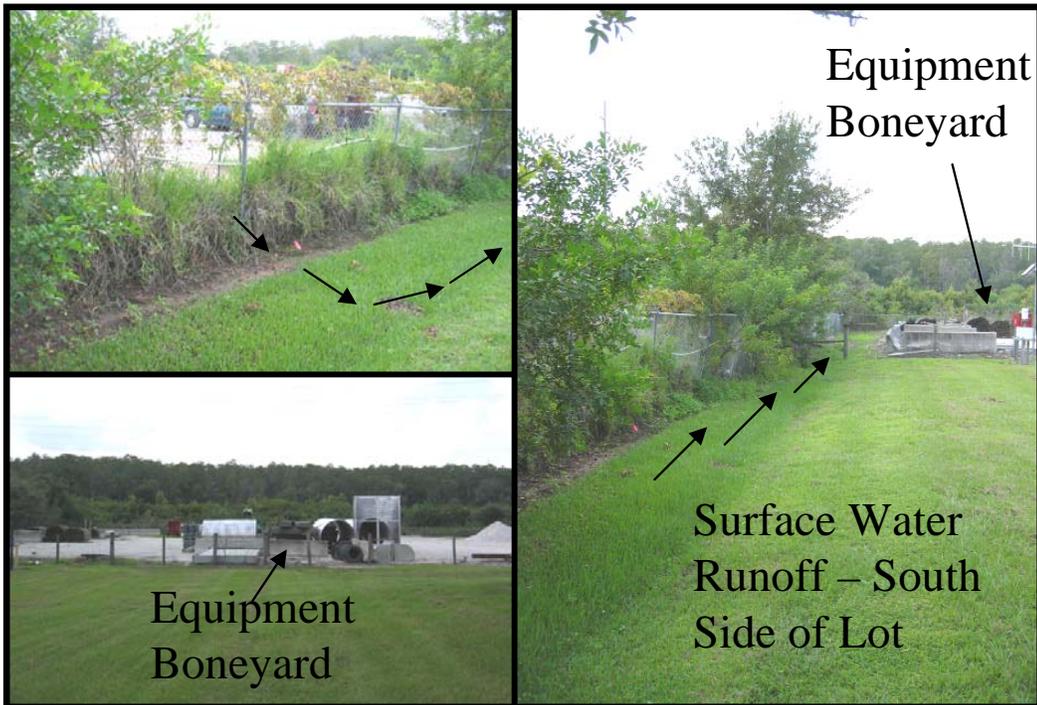


Photo: The vehicle wash down runoff flows onto the Kissimmee Field Station and flows west between the southern property boundary and the equipment boneyard (view north).



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Project #: 38617-185

Site
 Photos

Truck Wash
Down Area



Photo: The Truck Wash Down Area is located in the west central portion of the property. Two areas located north and south of the water station are used to wash trucks.

Truck Wash
Down Area

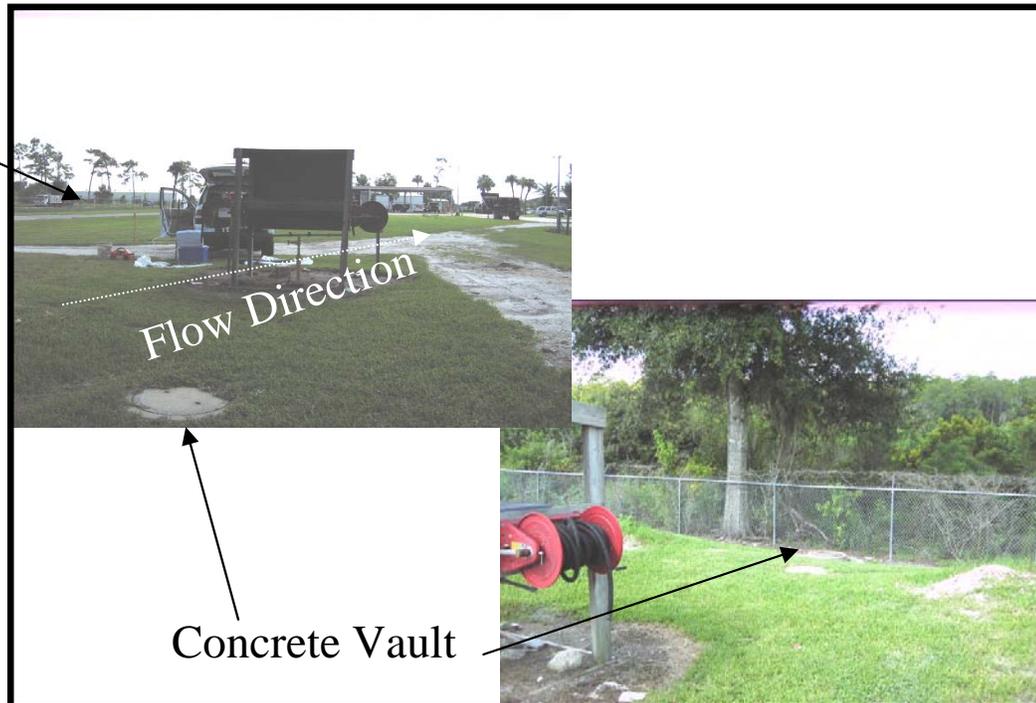


Photo: The flow direction is generally from the water station to the southeast. Two concrete underground vaults were identified in the vicinity of the truck wash and were empty during the inspection.



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Project #: 38617-185

Site
Photos



Photo: The UST Area is located in the east central portion of the property. Two, 4,000-gallon fiberglass tanks containing diesel and gasoline, two dispensers, vent pipes, and air/water compressor are associated with the UST Area. (view north).

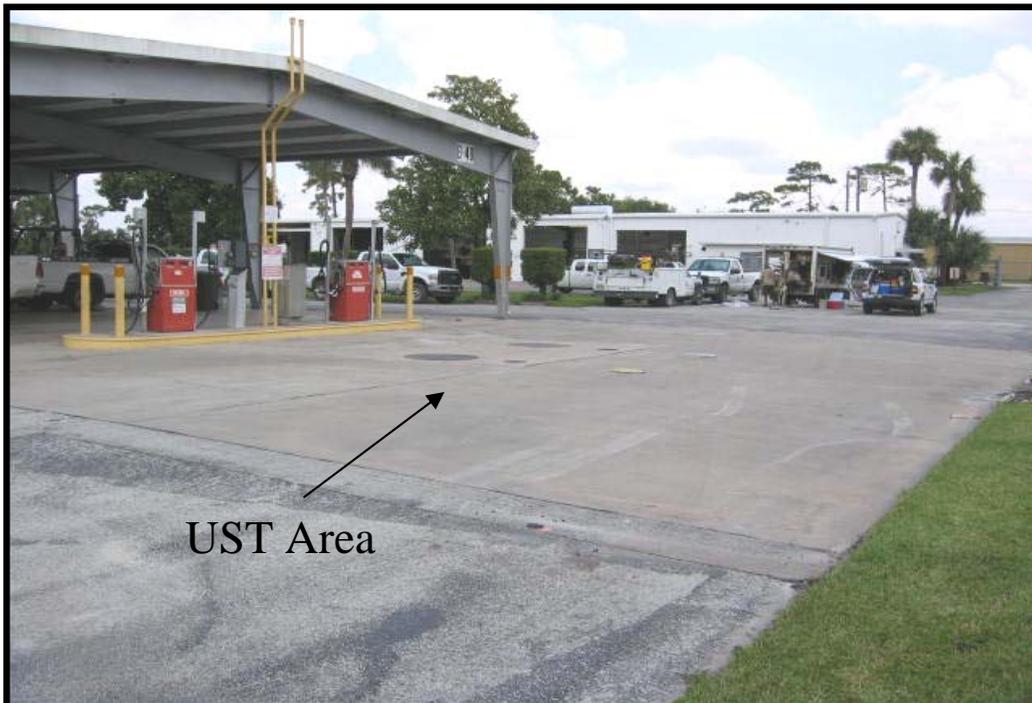
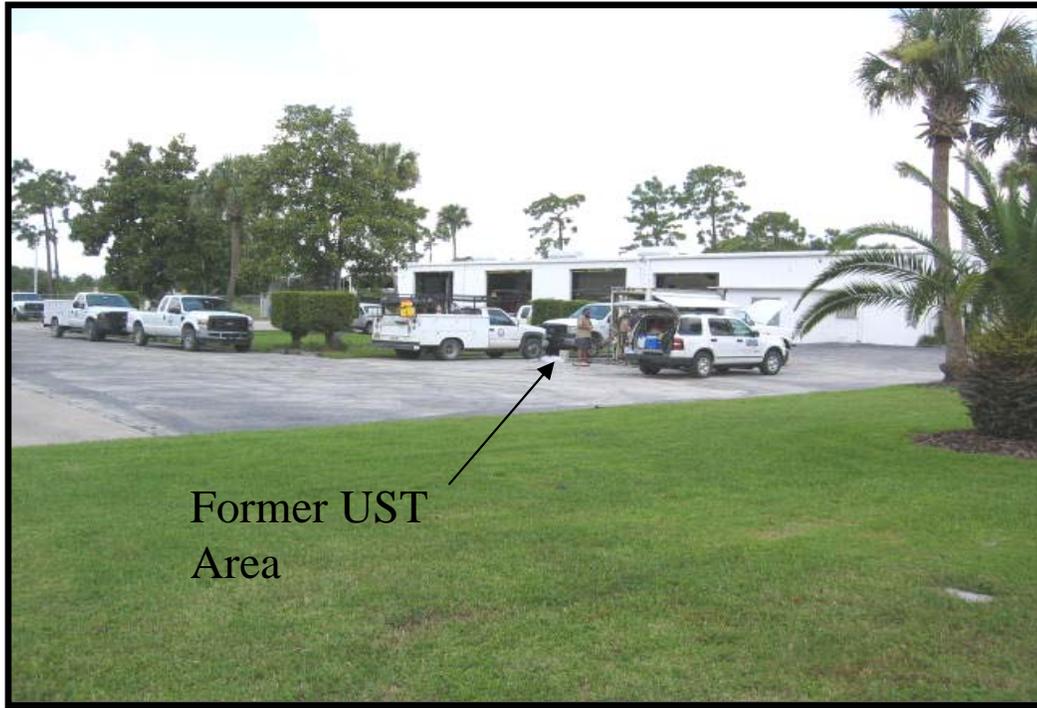


Photo: The UST Area is covered with concrete and the fill port, veeder root, and STP locations are easily visible (view northeast).



Former UST
Area

Photo: The Former UST area is located in the eastern portion of the property between the Open Air Storage Building and the Maintenance Bays. The former UST area consisted of one, 2,000-gallon diesel UST, one, 1,500-gallon gasoline UST, and one, 280-gallon diesel UST (view northeast).



Former UST
Area

Photo: Soil borings and temporary well points were advanced using a truck mounted Geoprobe. This location is in the center of the Former UST location (view northeast).



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Client: South Florida Water Management District
Project #: 38617-185

Site
Photos

APPENDIX B2
SAINT CLOUD ANNEX

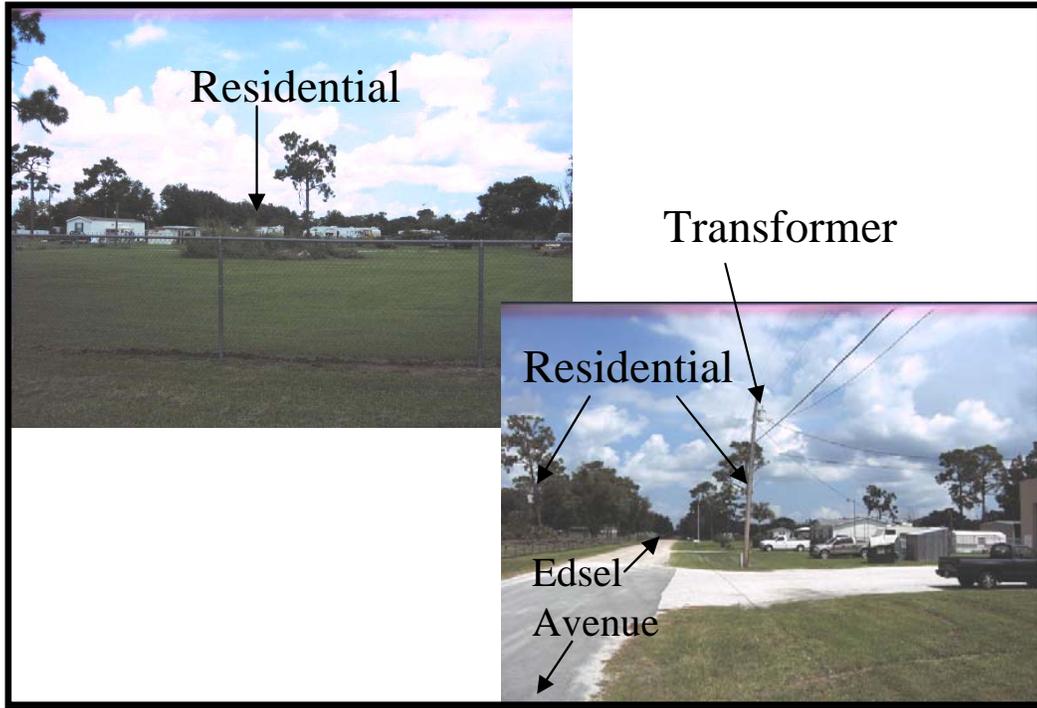


Photo: The northern portion of the Saint Cloud Annex property is bound by residences. The eastern portion of the property is bound by Edsel Avenue followed by residences (view north).



Photo: The western portion of the Saint Cloud Annex building is used for administrative offices and the eastern portion is used for chemical storage (view east).



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Property: Saint Cloud Annex
Location: 4175 Edsel Avenue, Saint Cloud, Osceola County, Florida
Client: South Florida Water Management District
Project #: 38617-185

Site
 Photos



Photo: Domestic trash from the property is placed into a waste management dumpster and subsequently transported offsite (view northeast).

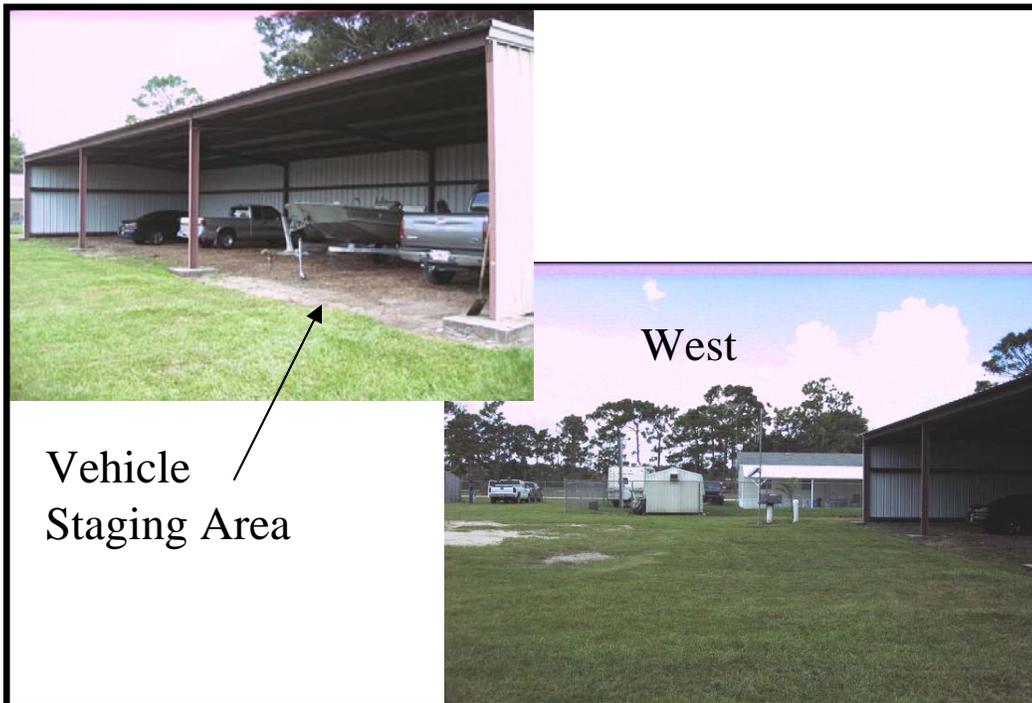


Photo: A vehicle staging area is located in the north central portion of the property. During the inspection personnel vehicles were staged under the building. There was no visual evidence of staining or odors in the area (view west).



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Property: Saint Cloud Annex
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Osceola County, Florida
Client: South Florida Water Management District
Project #: 38617-185

Site
 Photos

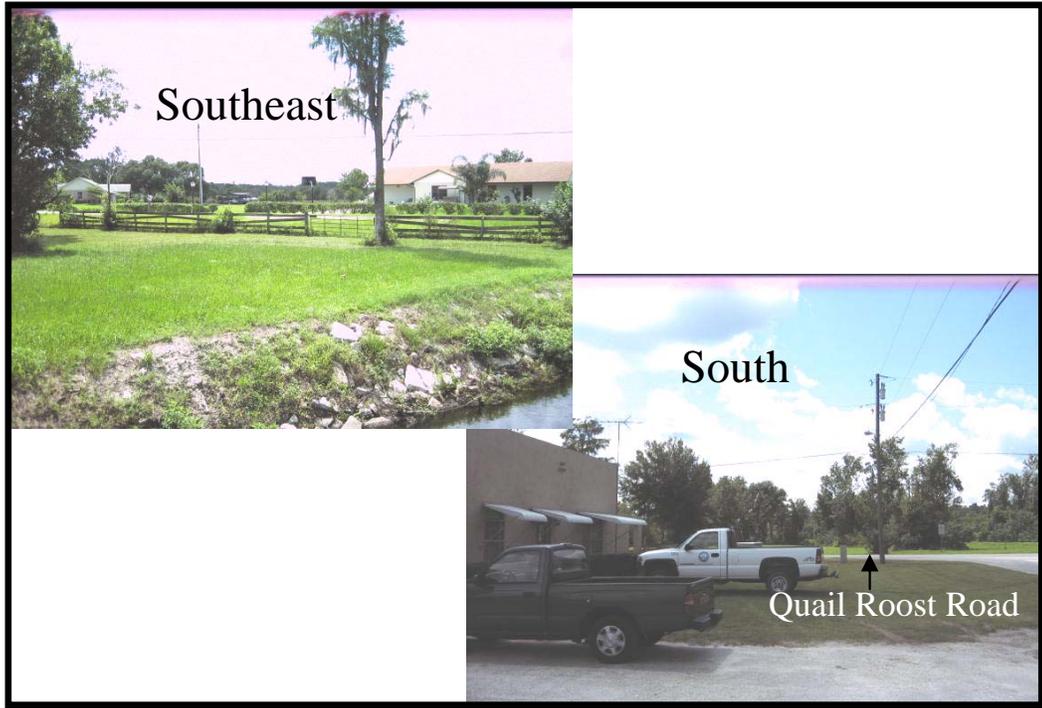


Photo: The southern portion of the property is bound by Quail Roost Road followed by residential property followed by agriculture. The eastern portion of the property is bound by a canal followed by residential property (view south).



Photo: The western portion of the property is bound by Edsel Avenue followed by residential property followed by Canoe Creek Road followed by residential property (view west).



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Site
 Photos

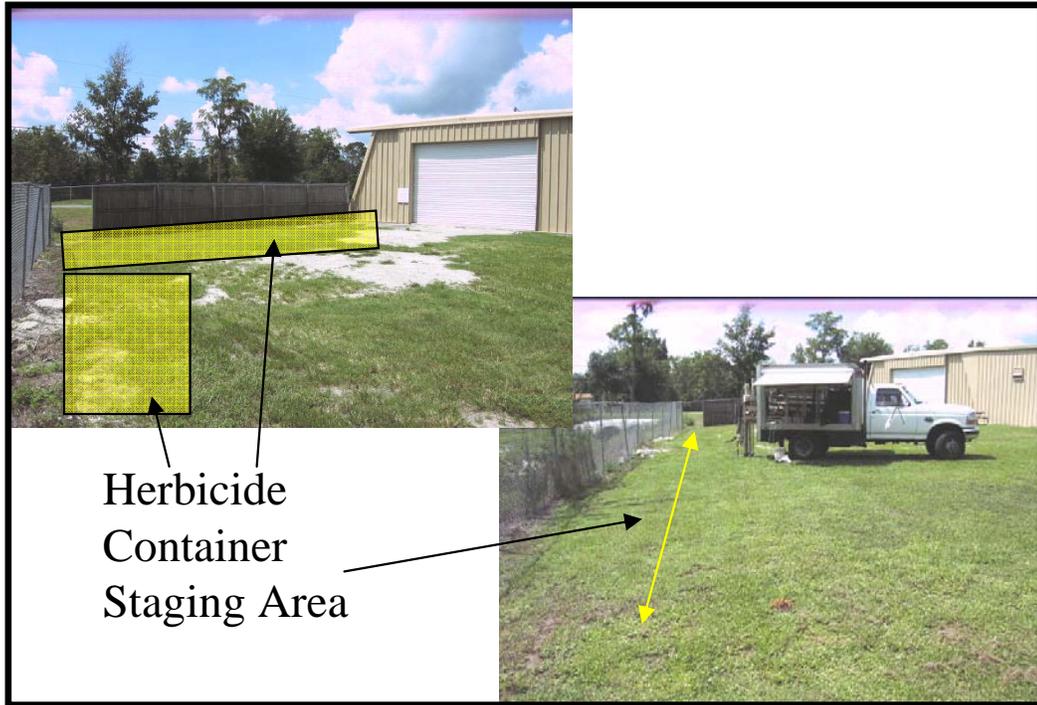


Photo: The Herbicide Container Staging Area is located in the eastern portion of the property. Chemical containers are typically staged in a grassy area prior to offsite use (view south).

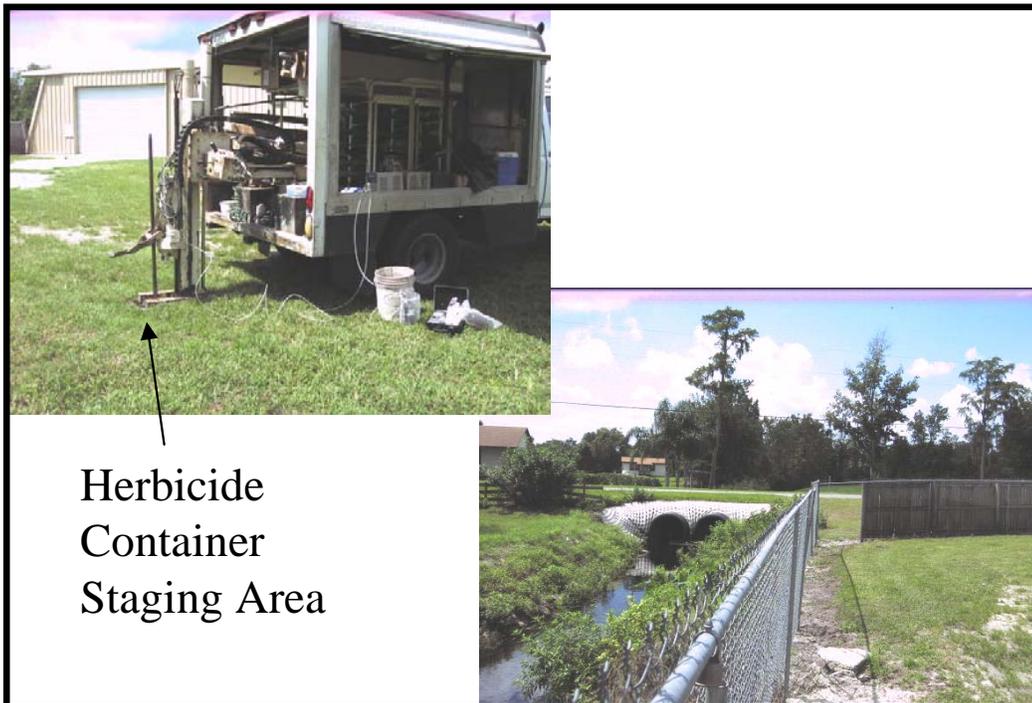


Photo: Soil borings and temporary well points were advanced using a truck mounted Geoprobe. Immediately east of the staging area in a canal (view south).

Chemical Storage Building



Photo: Chemicals are stored in the eastern portion of the building prior to offsite use (view southwest).

Chemical Storage Building



Photo: Soil samples were collected in front of each bay door adjacent to the concrete entrance pads (view south).



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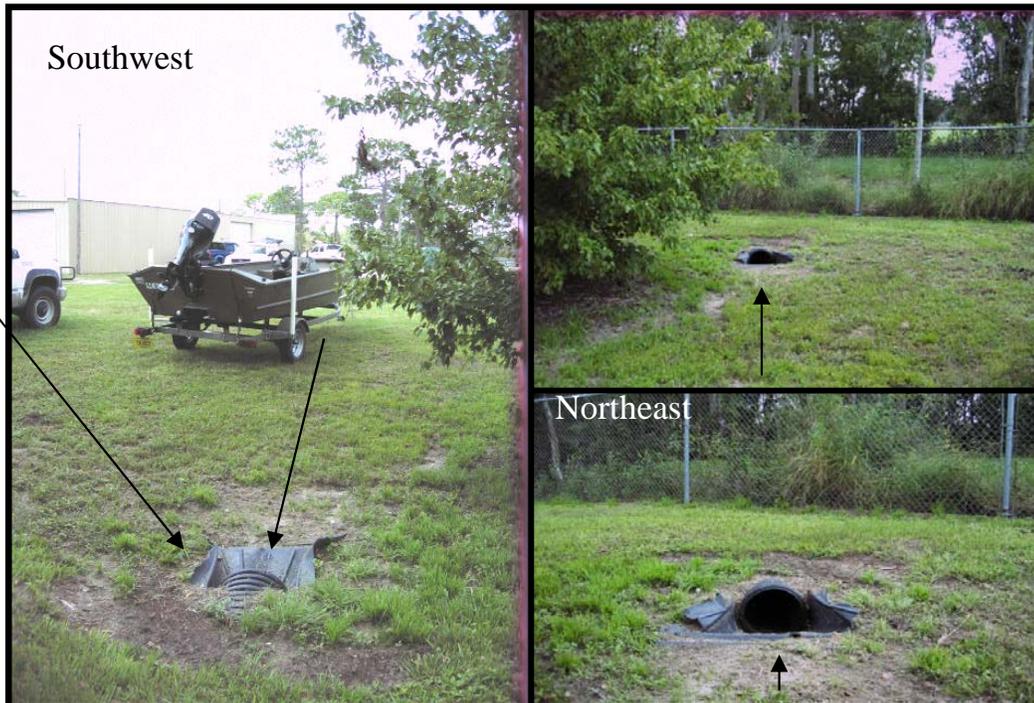
Property: Saint Cloud Annex
Location: 4175 Edsel Avenue, Saint Cloud, Osceola County, Florida
Client: South Florida Water Management District
Project #: 38617-185

Site Photos



Potable Well

Photo: A potable well is located approximately 45 feet north of the building. The well supplies the property with water. A water sample was collected from the potable well during the assessment (view west).



Plastic Corrugated Pipe

Southwest

Northeast

Photo: Surface water drains through a corrugated plastic pipe located in the east central portion of the property. The surface water then discharges into the canal which binds the eastern portion of the property.



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Osceola County, Florida
Client: South Florida Water Management District
Project #: 38617-185

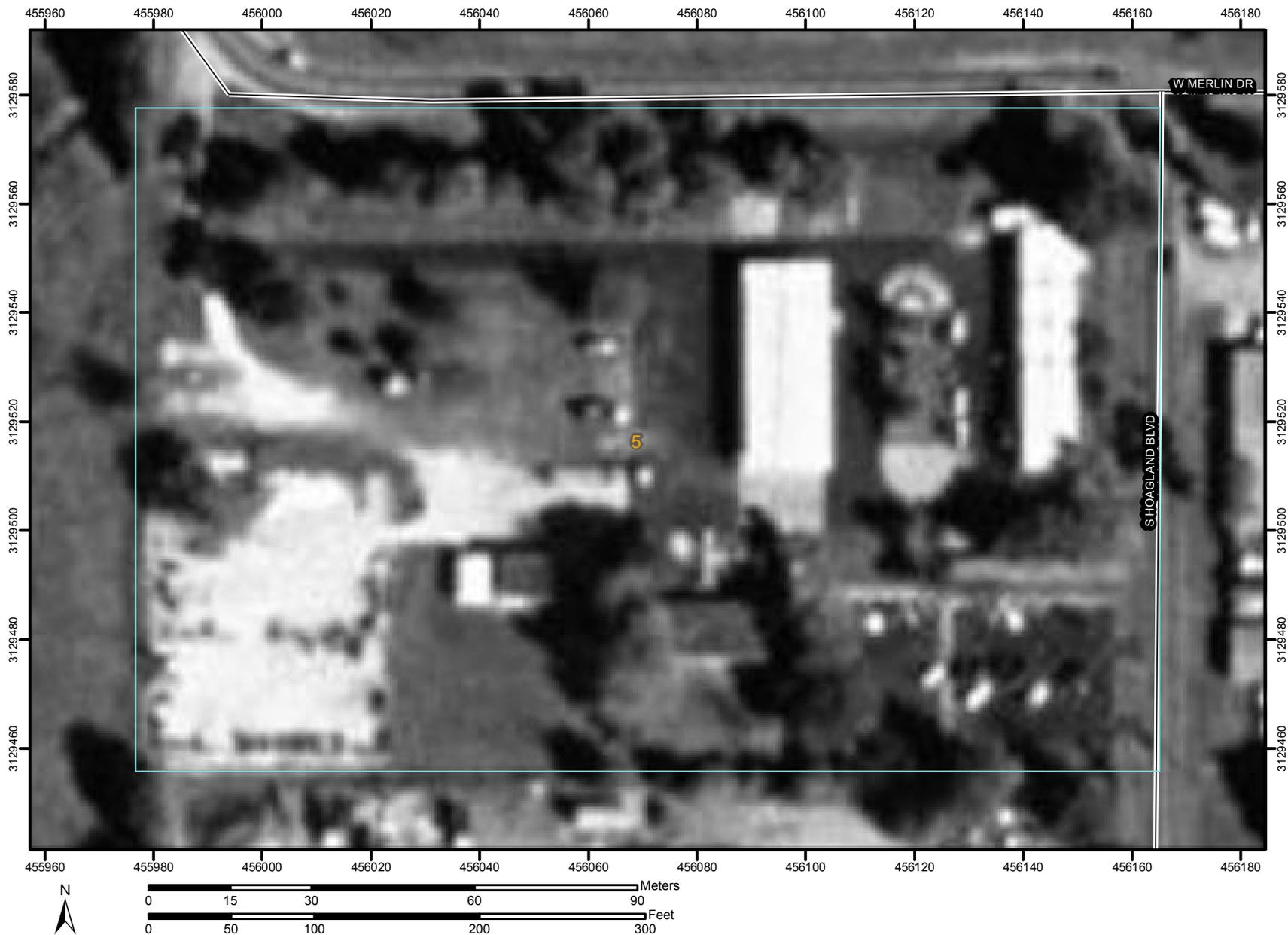
Site
 Photos

APPENDIX C

USDA NRCS WEB SOIL SURVEY

APPENDIX C1
KISSIMMEE FIELD STATION

Soil Map—Osceola County, Florida
(Kissimmee Field Station)



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

-  Very Stony Spot
-  Wet Spot
-  Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other

Political Features

Municipalities

-  Cities
-  Urban Areas

Water Features

-  Oceans
-  Streams and Canals

Transportation

-  Rails

Roads

-  Interstate Highways
-  US Routes
-  State Highways
-  Local Roads
-  Other Roads

MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 17N

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Osceola County, Florida
Survey Area Data: Version 2, Dec 5, 2006

Date(s) aerial images were photographed: 2/26/1999

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Osceola County, Florida (FL097)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5	Basinger fine sand	5.7	100.0%
Totals for Area of Interest (AOI)		5.7	100.0%

Information ✖

1 **Map Unit Description**

Osceola County, Florida Version date: 12/5/2006 12:42:03 PM

5-Basinger fine sand

Map Unit Setting
Elevation: 10 to 100 feet
Mean annual precipitation: 44 to 52 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 342 to 365 days

Map Unit Composition
Basinger and similar soils: 85 percent
Minor components: 15 percent

Description of Basinger

Setting
Landform: Drainageways on marine terraces, flats on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Concave
Parent material: Sandy marine deposits

Properties and qualities
Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 39.96 in/hr)
Depth to water table: About 0 to 12 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water capacity: Very low (about 3.0 inches)

Interpretive groups
Land capability (nonirrigated): 4w

Typical profile
0 to 7 inches: Fine sand
7 to 19 inches: Fine sand
19 to 35 inches: Fine sand
35 to 80 inches: Fine sand

Minor Components

Placid
Percent of map unit: 5 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave

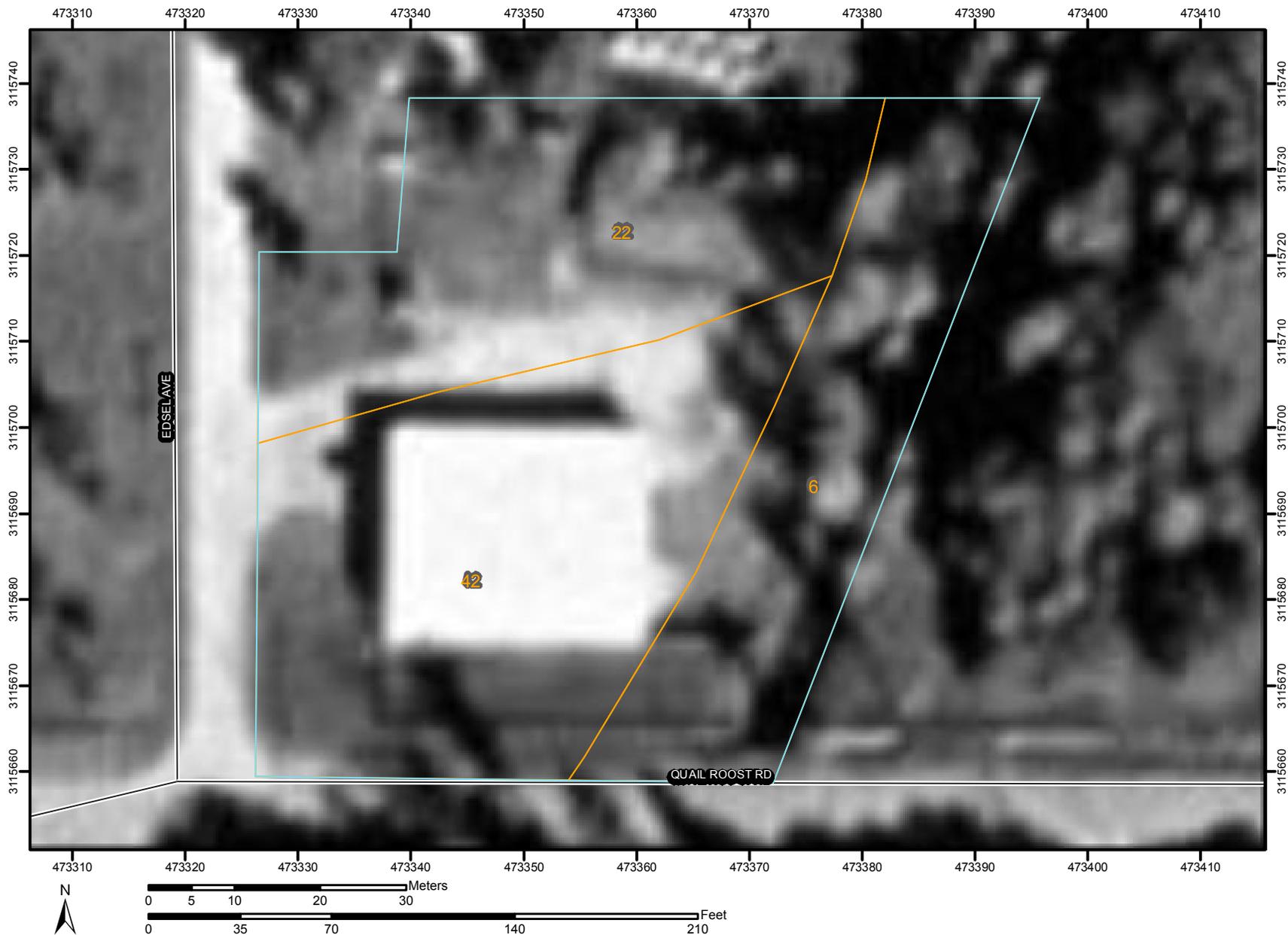
Pompano
Percent of map unit: 5 percent
Landform: Drainageways on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Concave

Smyrna
Percent of map unit: 5 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Close

APPENDIX C2
SAINT CLOUD ANNEX

Soil Map—Osceola County, Florida
(Saint Cloud (Kissimmee) Annex)



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

-  Very Stony Spot
-  Wet Spot
-  Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other

Political Features

Municipalities

-  Cities
-  Urban Areas

Water Features

-  Oceans
-  Streams and Canals

Transportation

-  Rails

Roads

-  Interstate Highways
-  US Routes
-  State Highways
-  Local Roads
-  Other Roads

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Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 17N

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Osceola County, Florida
Survey Area Data: Version 2, Dec 5, 2006

Date(s) aerial images were photographed: 1/6/1999

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Osceola County, Florida (FL097)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
6	Basinger fine sand, depressional	0.4	25.5%
22	Myakka fine sand	0.5	32.4%
42	Smyrna fine sand	0.6	42.1%
Totals for Area of Interest (AOI)		1.4	100.0%

Information ✕

i **Map Unit Description**

Osceola County, Florida Version date: 12/5/2006 12:42:03 PM

6-Basinger fine sand, depressional

Map Unit Setting
Elevation: 10 to 100 feet
Mean annual precipitation: 44 to 52 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 342 to 365 days

Map Unit Composition
Basinger, depressional, and similar soils: 85 percent
Minor components: 15 percent

Description of Basinger, Depressional

Setting
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Sandy marine deposits

Properties and qualities
Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Very poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (19.98 to 39.96 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: Frequent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water capacity: Very low (about 3.0 inches)

Interpretive groups
Land capability (nonirrigated): 7w

Typical profile
0 to 4 inches: Fine sand
4 to 28 inches: Fine sand
28 to 42 inches: Fine sand
42 to 80 inches: Fine sand

Minor Components

Placid
Percent of map unit: 4 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave

Pompano
Percent of map unit: 4 percent
Landform: Drainageways on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Concave

Myakka
Percent of map unit: 4 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Smyrna
Percent of map unit: 3 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear



Information ✕

i **Map Unit Description**

Osceola County, Florida Version date: 12/5/2006 12:42:03 PM

22—Myakka fine sand

Map Unit Setting
Mean annual precipitation: 44 to 52 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 342 to 365 days

Map Unit Composition
Myakka and similar soils: 85 percent
Minor components: 15 percent

Description of Myakka

Setting
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Properties and qualities
Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water capacity: Very low (about 2.9 inches)

Interpretive groups
Land capability (nonirrigated): 4w

Typical profile
0 to 7 inches: Fine sand
7 to 27 inches: Fine sand
27 to 37 inches: Fine sand
37 to 70 inches: Fine sand
70 to 82 inches: Fine sand

Minor Components

Eaugallie
Percent of map unit: 3 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Immokalee
Percent of map unit: 3 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Cassia
Percent of map unit: 3 percent
Landform: Rises on marine terraces
Landform position (three-dimensional): Interfluvium, rise
Down-slope shape: Convex
Across-slope shape: Linear

Smyrna
Percent of map unit: 2 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Pomello
Percent of map unit: 2 percent
Landform: Ridges on marine terraces, knolls on marine terraces
Landform position (three-dimensional): Interfluvium
Down-slope shape: Convex
Across-slope shape: Linear

Ona
Percent of map unit: 2 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Close

Information ✖

i **Map Unit Description**

Osceola County, Florida Version date: 12/5/2006 12:42:03 PM

42--Smyrna fine sand

Map Unit Setting
Mean annual precipitation: 44 to 52 inches
Mean annual air temperature: 70 to 77 degrees F
Frost-free period: 342 to 365 days

Map Unit Composition
Smyrna and similar soils: 85 percent
Minor components: 15 percent

Description of Smyrna

Setting
Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Properties and qualities
Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water capacity: Low (about 4.2 inches)

Interpretive groups
Land capability (nonirrigated): 4w

Typical profile
0 to 7 inches: Fine sand
7 to 14 inches: Fine sand
14 to 25 inches: Fine sand
25 to 56 inches: Fine sand
56 to 80 inches: Fine sand

Minor Components

Basinger
Percent of map unit: 3 percent
Landform: Drainageways on marine terraces, flats on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Concave

Placid
Percent of map unit: 3 percent
Landform: Depressions on marine terraces
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Concave

Eaugaille
Percent of map unit: 3 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Immokalee
Percent of map unit: 3 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Myakka
Percent of map unit: 3 percent
Landform: Flatwoods on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Close

APPENDIX D
HISTORICAL AERIAL PHOTOGRAPHS

APPENDIX D1
KISSIMMEE FIELD STATION



Kissimmee Field Station

80 S. Hoagland Blvd.

Kissimmee, FL 34741

Inquiry Number: 2276756.5

July 28, 2008

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography July 28, 2008

Target Property:

80 S. Hoagland Blvd.
Kissimmee, FL 34741

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1944	Aerial Photograph. Scale: 1"=600'	Flight Year: 1944	ASCS
1951	Aerial Photograph. Scale: 1"=600'	Flight Year: 1951	ASCS
1958	Aerial Photograph. Scale: 1"=600'	Flight Year: 1958	ASCS
1971	Aerial Photograph. Scale: 1"=600'	Flight Year: 1971	FL DOT
1983	Aerial Photograph. Scale: 1"=600'	Flight Year: 1983	FL DOT
1990	Aerial Photograph. Scale: 1"=600'	Flight Year: 1990	FL DOT
1996	Aerial Photograph. Scale: 1"=600'	Flight Year: 1996	FL DOT
2005	Aerial Photograph. Scale: 1"=485'	Flight Year: 2005	EDR



INQUIRY #: 2276756.5

YEAR: 1944

| = 600'





INQUIRY #: 2276756.5

YEAR: 1951

| = 600'





INQUIRY #: 2276756.5

YEAR: 1958

 = 600'





INQUIRY #: 2276756.5

YEAR: 1971

| = 600'





INQUIRY #: 2276756.5

YEAR: 1983

 = 600'



APPENDIX D2
SAINT CLOUD ANNEX



St. Cloud (Kissimmee) Annex

4175 Edsel Avenue

Saint Cloud, FL 34772

Inquiry Number: 2276768.5

July 28, 2008

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography July 28, 2008

Target Property:

4175 Edsel Avenue

Saint Cloud, FL 34772

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1944	Aerial Photograph. Scale: 1"=600'	Flight Year: 1944	ASCS
1951	Aerial Photograph. Scale: 1"=600'	Flight Year: 1951	ASCS
1959	Aerial Photograph. Scale: 1"=600'	Flight Year: 1959	ASCS
1971	Aerial Photograph. Scale: 1"=600'	Flight Year: 1971	FL DOT
1982	Aerial Photograph. Scale: 1"=600'	Flight Year: 1982	FL DOT
1990	Aerial Photograph. Scale: 1"=600'	Flight Year: 1990	FL DOT
1996	Aerial Photograph. Scale: 1"=600'	Flight Year: 1996	FL DOT
2005	Aerial Photograph. Scale: 1"=485'	Flight Year: 2005	EDR



INQUIRY #: 2276768.5

YEAR: 1944

| = 600'





INQUIRY #: 2276768.5

YEAR: 1959

| = 600'





INQUIRY #: 2276768.5

YEAR: 1971

 = 600'



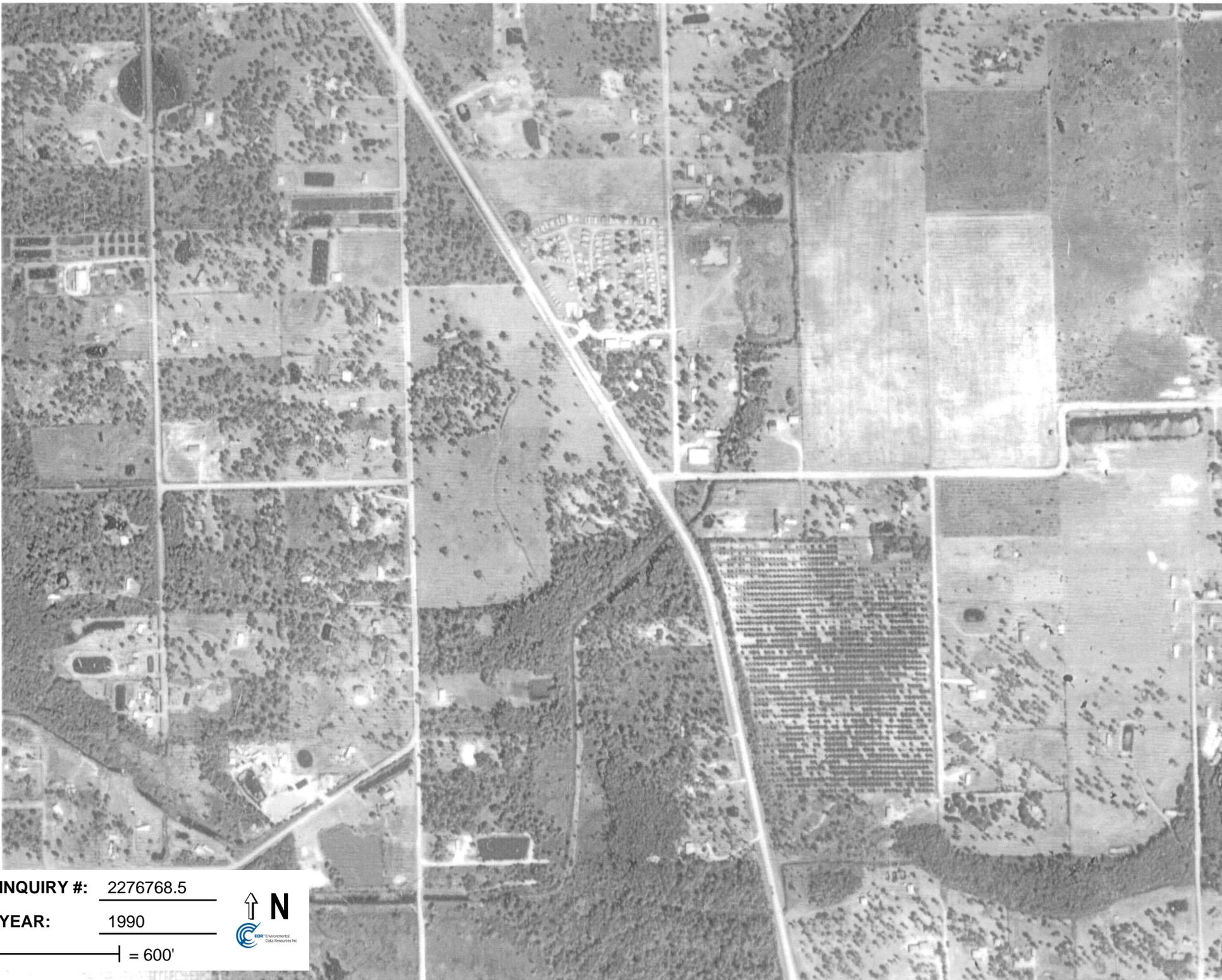


INQUIRY #: 2276768.5

YEAR: 1982

| = 600'





INQUIRY #: 2276768.5

YEAR: 1990

| = 600'





INQUIRY #: 2276768.5

YEAR: 1996

| = 600'





INQUIRY #: 2276768.5

YEAR: 2005

| = 485'



APPENDIX E
PREVIOUS REPORTS
(Copied to Compact Disc)

APPENDIX E1

KISSIMMEE FIELD STATION

(Copied to Compact Disc)

Florida Department of Environmental Protection
Bureau of Petroleum Storage Systems
Storage Tank/Contaminated Facility
Name & Address Search

Facility ID#: 8520968

Name: South FI Water Mgmt Dist-Kissimmee
80 S Airport Rd
Kissimmee, FL 34741- 4532

Contact: Susan Davide Ext3907**Phone:** 407-846-5226**District:** CD**County:** 49 - Osceola**Type:** G-State Government**Status:** Open**Latitude:** 28:17:27.1294**Longitude:** 81:26:50.9288**LL Method:** DPHO-Autonomous GPS**Account Owner:** South FI Water Mgmt Dist

Tank #	Size	Content	Installed	Placement	Status	Construction	Piping	Monitoring
1R1	4000	Vehicular Diesel	10/01/1989	UNDER	In Service	A E I M	C F J K	F K 3 4
2R1	4000	Unleaded Gas	10/01/1989	UNDER	In Service	A E I M	C F J K	3 5 F K
1	3000	Leaded Gas	07/01/1970	UNDER	Removed from Site			
2	3000	Unleaded Gas	07/01/1970	UNDER	Removed from Site			
3	1500	Leaded Gas	07/01/1966	UNDER	Removed from Site			
4	2000	Vehicular Diesel	07/01/1978	UNDER	Removed from Site			
5	200	Leaded Gas	01/01/1966	UNDER	Removed from Site			

*****Note:**

Construction, Piping, and Monitoring Info not shown for CLOSED tanks (Status A: Closed in Place, B: Removed from the site).



Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road. Tallahassee, Florida 32399-2400
Division of Waste Management
Bureau of Petroleum Storage Systems

Storage Tank Facility Annual Site Inspection Report

Facility Information

Facility ID: 8520968 County: OSCEOLA Inspection Date: 04/25/2008
Facility Name: SOUTH FL WATER MGMT DIST-KISSIMMEE Facility Type: G - State Government
80 S AIRPORT RD # Of Inspected ASTs: 0
KISSIMMEE, FL 34741-4532 USTs: 2
Latitude: 28° 17' 27.1294" Mineral Acid Tanks: 0
Longitude: 81° 26' 50.9288"
L/L Method: DPHO

Inspection Result

Result : In Compliance
Description: Facility is in compliance
No re-inspection needed for this Facility.

Financial Responsibility

Financial Responsibility: INSURANCE
Insurance Carrier: COMMERCE & INDUSTRY
Effective Date: 12/05/2007 Expiration Date: 12/05/2008

Signatures

TKOSPS - OSCEOLA COUNTY DEPT OF EMERGENCY
SERVICES
Storage Tank Program Office

STEVE COTTRELL

Inspector Name

Inspector Signature

(407) 742-6700

Storage Tank Program Office Phone Number

Susan Davide, Sr. Purchasing Tech

Facility Representative Name

Facility Representative Signature

System Tests

Test Name	Due Date	Completed Date	Result
-----------	----------	----------------	--------

Completed Tests

Annual Operability Test	12/20/2007	12/20/2006	Passed
Annual Operability Test	01/17/2009	01/17/2008	Passed

Reviewed Records

Record Category	Record Type	From Date	To Date
Two Years	Electronic Release Detection Equip. Monthly Checks	04/25/2006	04/25/2008
Life Time	Written Release Detection Response Level Info	04/25/2008	04/25/2008
Two Years	Certificate of Financial Responsibility	12/05/2007	04/25/2008
Two Years	Monthly Maint. Visual Examinations and Results	04/25/2006	04/25/2008
Two Years	Monthly Release Detection Results	04/25/2006	04/25/2008

Inspection Comments

04/25/2008 Annual compliance inspection.

Cover page information verified.

Release detection is electronic monitoring of interstice and sumps with monthly visual monitoring.



Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road. Tallahassee, Florida 32399-2400
Division of Waste Management
Bureau of Petroleum Storage Systems

Storage Tank Facility Annual Site Inspection Report

Facility Information

Facility ID:	8520968	County: OSCEOLA	Inspection Date:	04/20/2007
Facility Name:	SOUTH FL WATER MGMT DIST-KISSIMMEE		Facility Type:	G - State Government
Latitude:	28° 17' 27.1294"		# Of Inspected ASTs:	0
Longitude:	81° 26' 50.9288"		USTs:	2
L/L Method:	DPHO		Mineral Acid Tanks:	0

Inspection Result

Result : In Compliance
Description: Facility is in compliance
No re-inspection needed for this Facility.

Financial Responsibility

Financial Responsibility: Insurance
Insurance Carrier: Commerce & Industry
Effective Date: 12/05/2005 Expiration Date: 12/05/2007

Signatures

TKOSPS - OSCEOLA COUNTY DEPT OF EMERGENCY
SERVICES
Storage Tank Program Office

MARK GILL

Inspector Name

Inspector Signature

(407) 343-7000

Storage Tank Program Office Phone Number

Susan Davide, Sr. Purchasing Technician.

Facility Representative Name

Facility Representative Signature

System Tests

Test Name	Due Date	Completed Date	Result
-----------	----------	----------------	--------

Completed Tests (in last year)

Annual Operability Test	12/20/2007	12/20/2006	Passed
-------------------------	------------	------------	--------

Reviewed Records

Record Category	Record Type	From Date	To Date
Two Years	Monthly Release Detection Results	04/20/2005	04/20/2007
Two Years	Monthly Maint. Visual Examinations and Results	04/20/2005	04/20/2007
Life Time	Written Release Detection Response Level Info	04/20/2007	04/20/2007
Two Years	Electronic Release Detection Equip. Monthly Checks	04/20/2005	04/20/2007
Two Years	Certificate of Financial Responsibility	12/05/2006	04/20/2007

Inspection Comments

04/20/2007 Annual Compliance Inspection.

Release Detection Is Visuals And Electronic.

Facility Information Confirmed.

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HRS - STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

STATE UNDERGROUND PETROLEUM ENVIRONMENTAL RESPONSE
S.U.P.E.R. ACT SITE INVESTIGATION

I. Site Identification

Track Number (6-digits, first 2 digits are county #) _____

Facility Number (9-digits) ⁴⁹ 8520968

Business/Site Name SOUTH FL WATER MGMT DISTRICT-KISSIMEE

Business/Site Address 80 S AIRPORT RD

Business/Site City & County KISSIMEE Osceola

II. Site Vicinity

Number of large public wells within 1/2 mile _____
(Potable wells producing > 100,00 Gallons per Day)

Number of private or small public wells w/in 1/4 mile 3
(Any Potable well producing < 100,00 GPD)

III. Sample Information

Is this the first time a sample has been taken around this site? Yes or No

Date of sampling event 04/09/97

Total number of wells sampled 3

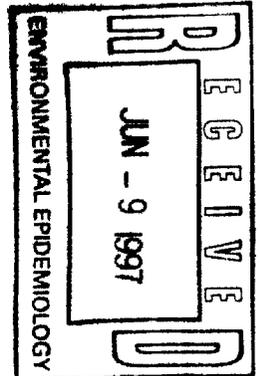
Total number of pipe permeation samples collected _____

Total time of investigation _____ Miles driven _____

Jean Brack
Signature of Investigator

JEAN BRACK
Printed/Typed Name

04/09/97
Date(s) of Investigation

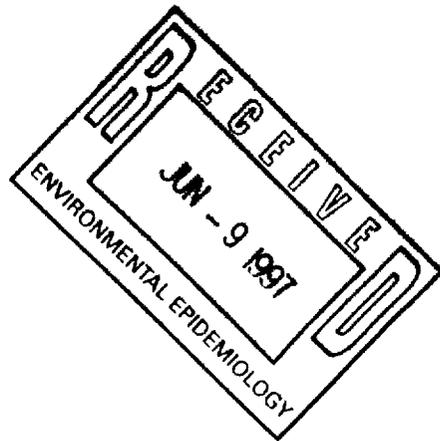


Legend of All Entities Sampled around Facility 8520968

① SOUTH FL WATER MGMT DISTRICT-KISSIMMEE
 80 S AIRPORT RD
 Osceola County
 Sampling Date 04/09/97

Date Run: 05/06/97

Entity I.D. Number	Recipient	Street Address	City
③ 4900041	REILLY AVIATION	N 231 HOAGLAND BLVD	KISSIMMEE
② 4900051	KISSIMMEE SPRING WATER, WELL 1	S 15 HOAGLAND BLVD	KISSIMMEE
4900051 52	KISSIMMEE SPRING WATER, WELL 2	S 15 HOAGLAND BLVD	KISSIMMEE
4900051	KISSIMMEE SPRING WATER, WELL 1	S 15 HOAGLAND BLVD	KISSIMMEE

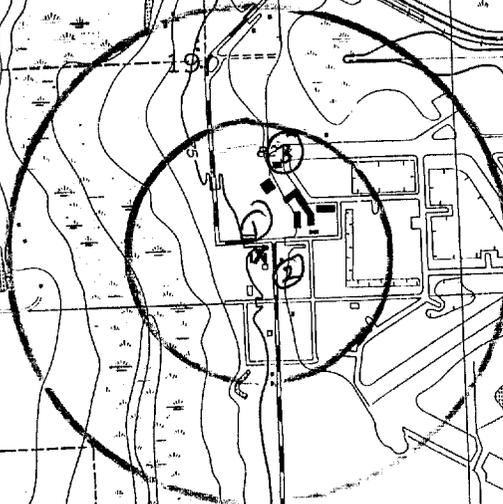


8520968

Kissimmee
Quadrant

PROJECT
ENVIRONMENTAL EPIDEMIOLOGY
JUN - 9 1997

S Florida Waterworks District
Kissimmee
8520968



KISSIMMEE
MUNICIPAL
AIRPORT

Golf Course

Golf Course

Bryan Sch

Osceola High Sch

Osceola Hosp City

Courthouse

LEVEE

BR 62



Department of Environmental Protection

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

April 2, 1996

Mr. Art Sengupta
Construction and Land Management Department
South Florida Water Management District
Post Office Box 24680
West Palm Beach, FL 33416-4680

OCD-TK-96-0068

Osceola County - TK/PC
SFWMD - Kissimmee Field Station
STI #498520968
Supplemental Sampling Report Review

Dear Mr. Sengupta:

The Department has reviewed the Supplemental Sampling Report received February 2, 1996 for the above referenced site. The levels of contamination at the site will not require additional action at this time. Please note that this letter does not certify that the site is clean, and the Department reserves the right to initiate appropriate actions for this site under Chapter 17-770, Florida Administrative Code, if additional contamination is discovered in the future.

If you have any questions, you may contact me at (407) 893-3321.

Sincerely,

Deborah B. Metrin, P.G.
Program Manager
Tanks/Petroleum Cleanup

cc: Richard Kale, Osceola County Department of Public Safety
Robert Cooper, Dames & Moore



South Florida Water Management District

3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

PRO FUEL CONTAMINATION/ASSESSMENT

January 30, 1996

Mr. W. M. Bostwick, Jr., P.E.
Florida Dept of Environmental Protection
Central District
3319 Maguire Blvd.
Orlando, FL 32803-3787



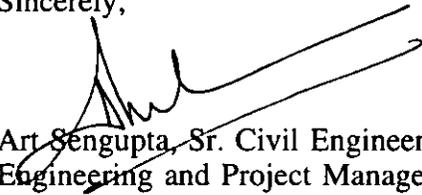
**Subject: SFWMD Kissimmee Field Station
STI #498520968
Osceola County**

Dear Mr. Bostwick:

Enclosed please find two copies of the groundwater analytical results from the above referenced Field Station. The sampling of groundwater for EPA 601 parameters was performed in response to your letter dated August 1, 1995. The above referenced letter included an approval of No Further Action (NFA) for petroleum hydrocarbons. The letter also required sampling for 1,1 Dichloroethane from monitor wells with previous known contamination.

A summary of groundwater analytical data is provided in Table 1.0 of the report. The monitor wells were sampled on January 5, 1996 by Dames and Moore Inc. The 1,1 Dichloroethene level in monitor well MW-2 has declined from 45.5 to 9.31 ppb since our previous sampling round on February 13, 1995. The decline in concentration levels indicates an attenuation due to natural causes. Since the level is marginally above the MCL level, we are requesting that a "No Further Action" be approved for the EPA 601 compounds.

Sincerely,


Art Sengupta, Sr. Civil Engineer
Engineering and Project Management Division
Construction and Land Management Department

087-653

Enclosures

Governing Board:

Valerie Boyd, Chairman
Frank Williamson, Jr., Vice Chairman
William E. Graham

William Hammond
Betsy Krant
Richard A. Machek

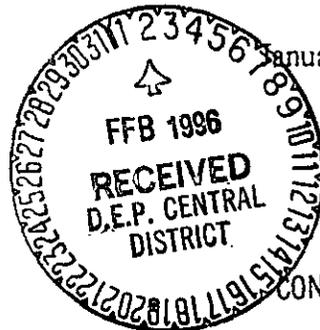
Eugene K. Pettis
Nathaniel P. Reed
Miriam Singer

Samuel E. Poole III, Executive Director
Michael Slayton, Deputy Executive Director

DAMES & MOORE

6400 CONGRESS AVENUE, SUITE 2500, BOCA RATON, FLORIDA 33487
(407) 994-6500 FAX: (407) 994-6524

Mr. Art Sengupta
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33416



January 26, 1996

RECEIVED

JAN 29 1996

CONSTRUCTION MANAGEMENT DEPT.
PROJECT MANAGEMENT DIV.

**GROUNDWATER ANALYTICAL RESULTS
MONITOR WELLS MW-2, MW-3, MW-4, MW-5, & MW-11
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
KISSIMMEE FIELD STATION
KISSIMMEE, FLORIDA
DEP FACILITY #498520968**

Dear Mr. Sengupta:

INTRODUCTION/BACKGROUND

Dames & Moore is pleased to present this letter report to the South Florida Water Management District (SFWMD) for the above referenced site located at 80 Hoagland Boulevard in Kissimmee, Florida. In response to Dames & Moore's Groundwater Sampling Proposal dated September 14, 1995, SFWMD requested that MW-2, MW-3, MW-4, MW-5, and MW-11 be re-sampled for EPA Method 601 constituents.

GROUNDWATER SAMPLING AND ANALYSIS

On January 5, 1996, Dames & Moore collected groundwater samples from the above referenced monitor wells. Groundwater samples were collected in accordance with Dames & Moore's approved ComQap # 880658G. A site plan showing well locations is provided as Figure 1. A minimum of three times the standing water in the wells was purged prior to the sample collection. In addition, pH, temperature, and conductivity readings were recorded in the field and allowed to stabilize prior to sample collection.



Mr. Art Sengupta
South Florida Water Management District
January 26, 1996
Page 2

The groundwater analytical samples were collected using precleaned disposable bailers. The samples were placed in laboratory supplied containers and stored on ice and delivered under chain-of-custody to Toxikon Laboratory in West Palm Beach, Florida for EPA Method 601 analysis. Groundwater analytical results were received by Dames & Moore on January 12, 1996. A copy of the laboratory report and the chain-of-custody record are provided in Appendix A.

GROUNDWATER ANALYTICAL RESULTS

The laboratory analytical results for groundwater samples collected at MW-2 indicate that the concentrations of 1,1-Dichloroethene have declined since the last sampling event conducted on April 17, 1995, but remains above the Maximum Contamination Levels (MCL) set at 7 ug/l. The concentrations of 1,1-Dichlorobenzene in MW-2 has increased slightly since the last sampling in April, 1995.

Groundwater samples collected from MW-3 indicate a decrease to below laboratory detection limits for all purgeable halocarbon compounds. Groundwater samples collected from MW-4 indicate a slight increase in the compounds 1,1-Dichloroethene and 1,1-Dichloroethane. Concentrations of purgeable halocarbon compounds at MW-4 remain below the MCL. Groundwater samples collected at MW-5 indicate a presence of Chlorobenzene at a concentration of 2.56 ug/l, which is below the MCL of 100 ug/l. Analytical results of groundwater samples collected at MW-11 indicate a drop in the detected compounds Chlorobenzene and 1,4 Dichlorobenzene.

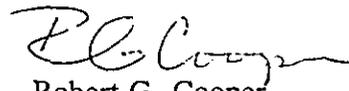
A groundwater analytical results summary table for the January 5, 1996 sampling event is provided in Table 1.0. A summary of analytical data from previous sampling events conducted in February and April 1995 is presented in Table 2.0.

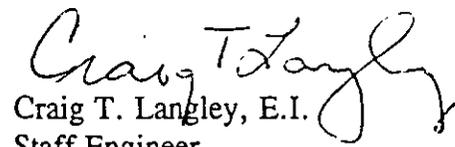


Mr. Art Sengupta
South Florida Water Management District
January 26, 1996
Page 3

Dames & Moore appreciates the opportunity to be of service to the SFWMD. If you have any questions or require additional information, please contact us at your earliest convenience.

Sincerely
DAMES & MOORE, INC.


Robert G. Cooper
Associate


Craig T. Langley, E.I.
Staff Engineer


William J. Harrington
Assistant Geologist

TABLES

TABLE 1.0
GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
SFWMD - KISSIMMEE FIELD STATION
JANUARY 5, 1996

Parameter (ug/l)	MW-1	MW-2	MW-3	MW-4	MW-5	MW-9	MW-11	MW-12	MW-3 DUPE	MCL
EPA Method 601	NS					NS		NS		
1,1-Dichloroethene	-	9.31	BDL	1.77	BDL	-	BDL	-	BDL	7*
1,1-Dichloroethane	-	8.53	BDL	2.92	BDL	-	BDL	-	BDL	-
Chlorobenzene	-	BDL	BDL	BDL	2.56	-	2.85	-	BDL	100*
1,4 Dichlorobenzene	-	BDL	BDL	BDL	BDL	-	5.68	-	BDL	75*
EPA Method 602	NS	NS	NS							
Chlorobenzene	-	-	-	-	-	-	-	-	-	100*
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	75*
MTBE	-	-	-	-	-	-	-	-	-	50**

BDL = below detection limits

NS = not sampled

MCL = Maximum Contamination Limits

* = MCL per FAC 62-550

** = MCL per FAC 62-770

TABLE 2.0
GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
SFWMD - KISSIMMEE FIELD STATION
FEBRUARY 13, 1995

Parameter (ug/l)	MW-1	MW-2	MW-2***	MW-3	MW-4	MW-5	MW-9	MW-11	MW-12	MW-2 DUPE***	MCL
EPA Method 601											
1,1-Dichloroethene	NS	45.5	10.4	BDL	1.57	BDL	NS	BDL	BDL	10.5	7*
1,1-Dichloroethane	-	24.6	7.52	BDL	1.9	BDL	-	BDL	BDL	7.57	-
Chlorobenzene	-	BDL	BDL	3.28	1.18	BDL	-	16.3	BDL	BDL	100*
1,4 Dichlorobenzene	-	BDL	BDL	5.5	1.14	BDL	-	14	BDL	BDL	75*
EPA Method 602											
Chlorobenzene	1.15	BDL	NS	BDL	BDL	BDL	7.38	NS	NS	NS	100*
1,4-Dichlorobenzene	BDL	BDL	-	BDL	BDL	BDL	3.91	-	-	-	75*
MTBE	11	8.67	-	4.46	BDL	BDL	20.9	-	-	-	50**

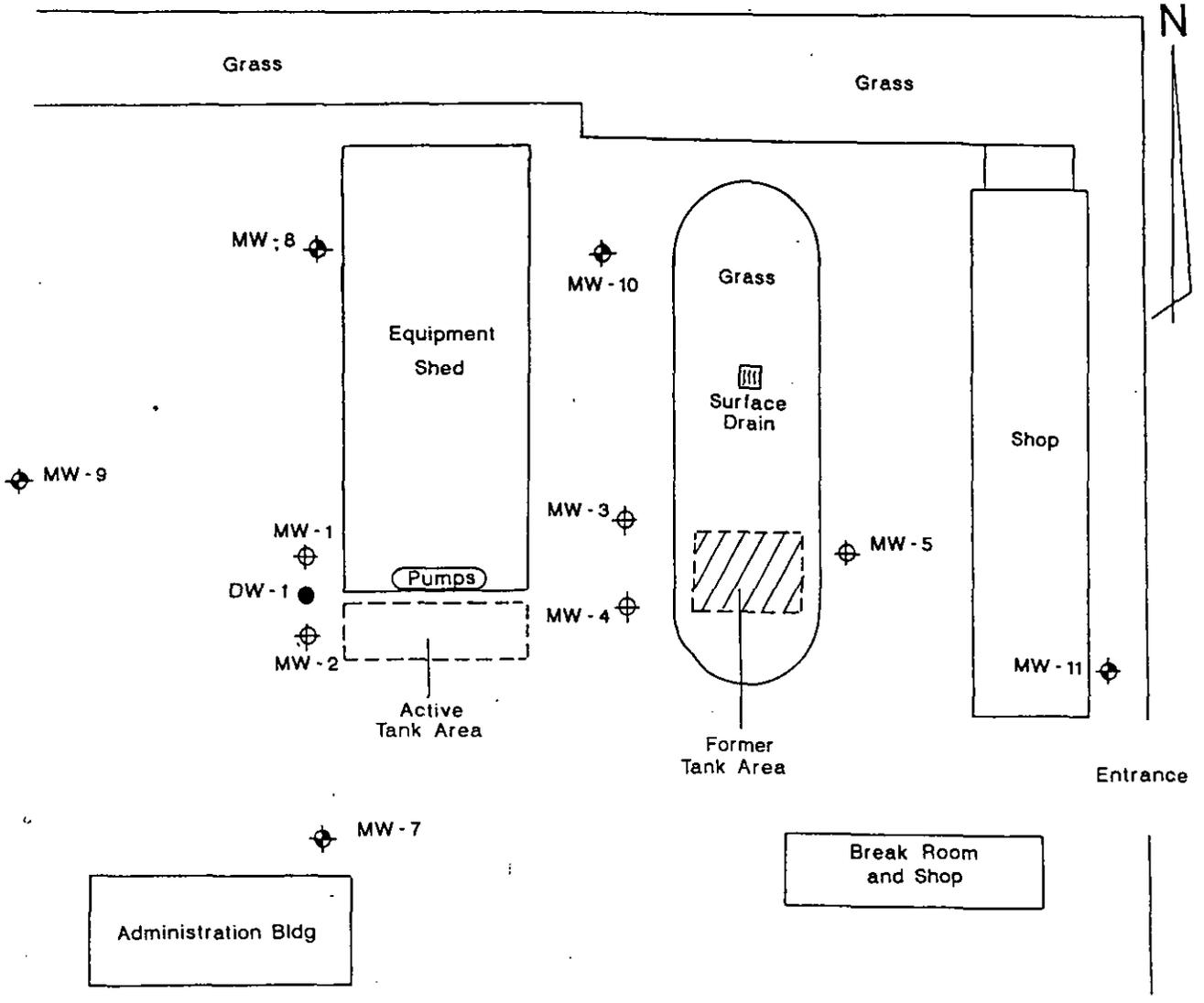
BDL = below detection limits
 NS = not sampled
 MCL = Maximum Contamination Limits
 * = MCL per FAC 62-550
 ** = MCL per FAC 62-770
 *** = Sample taken April 17, 1995



FIGURES

CHECKED :

BY : *[Signature]* 11/93



Legend:

- ⊕ MW-1 Existing Shallow Monitoring Well
- DW-1 Newly Installed Deep Monitoring Well
- ⊕ MW-7 Newly Installed Shallow Monitoring Well



SITE LOCATION MAP

Project : SFWMD-KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV. 1993



FIGURE 1

APPENDIX A

Received: 01/08/96

01/12/96 13:33:03

REPORT DAMES AND MOORE
TO 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487
(407)994-6500 FAX407-994-6524
ATTEN CRAIG LANGLEY

PREPARED TOXIKON WEST PALM BEACH
BY 1860 OLD OKEECHOBEE RD. #401
WEST PALM BEACH, FL 33409
HRS #E86278 QA# 910150G
ATTEN JOHN YAREMCHUK
PHONE (407) 478-4803 FAX 478-0214

[Signature]
CERTIFIED BY
CONTACT JOHN

CLIENT DM SAMPLES 11
COMPANY DAMES AND MOORE
FACILITY 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487

WORK ID SFWM-D-KISSIMMEE
TAKEN 01/05/96
TRANS COURIER
TYPE LIQUID
P.O. # _____
INVOICE under separate cover

SAMPLE IDENTIFICATION

TEST CODES and NAMES used on this workorder

- 01 MW-2
- 02 MW-3
- 03 MW-4
- 04 MW-5
- 05 MW-11
- 06 DUP
- 07 EQB
- 08 F/B
- 09 METHOD BLANK
- 10 MEAN % RECOVERY
- 11 RPD

- 601 PURGEABLE HALOCARBONS
- HOLD THIS SAMPLE IS ON HOLD

Received: 01/08/96

TOXIKON CORP.

REPORT

Work Order # 96-01-039

Results by Sample

SAMPLE ID MJ-2FRACTION 01ATEST CODE 601NAME PURGEABLE HALOCARBONSDate & Time Collected 01/05/96Category LIQUID**PURGEABLE HALOCARBONS**

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	9.31	1.00	75-35-4
1,1-Dichloroethane	8.53	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	ND	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/11/96

INSTRUMENT HP-3

ANALYST MAP

UNITS ug/L

DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID MW-3 FRACTION 02A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected 01/05/96 Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	<u>ND</u>	<u>1.00</u>	74-87-3
Bromomethane	<u>ND</u>	<u>1.00</u>	74-83-9
Vinyl Chloride	<u>ND</u>	<u>1.00</u>	75-01-4
Dichlorodifluoromethane	<u>ND</u>	<u>1.00</u>	75-71-8
Chloroethane	<u>ND</u>	<u>1.00</u>	75-00-3
Methylene Chloride	<u>ND</u>	<u>1.00</u>	75-09-2
Trichlorofluoromethane	<u>ND</u>	<u>1.00</u>	75-69-4
1,1-Dichloroethene	<u>ND</u>	<u>1.00</u>	75-35-4
1,1-Dichloroethane	<u>ND</u>	<u>1.00</u>	75-34-3
trans-1,2-Dichloroethene	<u>ND</u>	<u>1.00</u>	156-60-5
Chloroform	<u>ND</u>	<u>1.00</u>	67-66-3
1,2-Dichloroethane	<u>ND</u>	<u>1.00</u>	107-06-2
1,1,1-Trichloroethane	<u>ND</u>	<u>1.00</u>	71-55-6
Carbon tetrachloride	<u>ND</u>	<u>1.00</u>	56-23-5
Bromodichloromethane	<u>ND</u>	<u>1.00</u>	75-27-4
1,2-Dichloropropane	<u>ND</u>	<u>1.00</u>	78-87-5
Trans-1,3-Dichloropropane	<u>ND</u>	<u>1.00</u>	10061-02-6
Trichloroethene	<u>ND</u>	<u>1.00</u>	79-01-6
cis-1,3-Dichloropropene	<u>ND</u>	<u>1.00</u>	10061-01-5
1,1,2-Trichloroethane	<u>ND</u>	<u>1.00</u>	79-00-5
Dibromochloromethane	<u>ND</u>	<u>1.00</u>	124-48-1
2-Chloroethylvinyl Ether	<u>ND</u>	<u>1.00</u>	100-75-8
Bromoform	<u>ND</u>	<u>1.00</u>	75-25-2
1,1,2,2-Tetrachloroethane	<u>ND</u>	<u>1.00</u>	79-34-5
Tetrachloroethene	<u>ND</u>	<u>1.00</u>	127-18-4
Chlorobenzene	<u>ND</u>	<u>1.00</u>	108-90-7
1,4-Dichlorobenzene	<u>ND</u>	<u>1.00</u>	106-46-7
1,3-Dichlorobenzene	<u>ND</u>	<u>1.00</u>	541-73-1
1,2-Dichlorobenzene	<u>ND</u>	<u>1.00</u>	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/11/96
INSTRUMENT HP-3
ANALYST MAP
UNITS ug/L
DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID MM-4 FRACTION 03A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected 01/05/96 Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	<u>ND</u>	<u>1.00</u>	74-87-3
Bromomethane	<u>ND</u>	<u>1.00</u>	74-83-9
Vinyl Chloride	<u>ND</u>	<u>1.00</u>	75-01-4
Dichlorodifluoromethane	<u>ND</u>	<u>1.00</u>	75-71-8
Chloroethane	<u>ND</u>	<u>1.00</u>	75-00-3
Methylene Chloride	<u>ND</u>	<u>1.00</u>	75-09-2
Trichlorofluoromethane	<u>ND</u>	<u>1.00</u>	75-69-4
1,1-Dichloroethene	<u>1.77</u>	<u>1.00</u>	75-35-4
1,1-Dichloroethane	<u>2.92</u>	<u>1.00</u>	75-34-3
trans-1,2-Dichloroethene	<u>ND</u>	<u>1.00</u>	156-60-5
Chloroform	<u>ND</u>	<u>1.00</u>	67-66-3
1,2-Dichloroethane	<u>ND</u>	<u>1.00</u>	107-06-2
1,1,1-Trichloroethane	<u>ND</u>	<u>1.00</u>	71-55-6
Carbon tetrachloride	<u>ND</u>	<u>1.00</u>	56-23-5
Bromodichloromethane	<u>ND</u>	<u>1.00</u>	75-27-4
1,2-Dichloropropane	<u>ND</u>	<u>1.00</u>	78-87-5
Trans-1,3-Dichloropropane	<u>ND</u>	<u>1.00</u>	10061-02-6
Trichloroethene	<u>ND</u>	<u>1.00</u>	79-01-6
cis-1,3-Dichloropropene	<u>ND</u>	<u>1.00</u>	10061-01-5
1,1,2-Trichloroethane	<u>ND</u>	<u>1.00</u>	79-00-5
Dibromochloromethane	<u>ND</u>	<u>1.00</u>	124-48-1
2-Chloroethylvinyl Ether	<u>ND</u>	<u>1.00</u>	100-75-8
Bromoform	<u>ND</u>	<u>1.00</u>	75-25-2
1,1,2,2-Tetrachloroethane	<u>ND</u>	<u>1.00</u>	79-34-5
Tetrachloroethene	<u>ND</u>	<u>1.00</u>	127-18-4
Chlorobenzene	<u>ND</u>	<u>1.00</u>	108-90-7
1,4-Dichlorobenzene	<u>ND</u>	<u>1.00</u>	106-46-7
1,3-Dichlorobenzene	<u>ND</u>	<u>1.00</u>	541-73-1
1,2-Dichlorobenzene	<u>ND</u>	<u>1.00</u>	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/11/96
INSTRUMENT HP-3
ANALYST MAP
UNITS ug/L
DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID MW-5 FRACTION D4A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected 01/05/96 Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	ND	1.00	75-35-4
1,1-Dichloroethane	ND	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	2.56	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/12/96
INSTRUMENT HP-3
ANALYST MAP
UNITS ug/L
DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID MJ-11 FRACTION 05A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected 01/05/96 Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	ND	1.00	75-35-4
1,1-Dichloroethane	ND	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	2.85	1.00	108-90-7
1,4-Dichlorobenzene	5.68	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/12/96
INSTRUMENT HP-3
ANALYST MAP
UNITS ug/L
DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID DUP FRACTION 06A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected 01/05/96 Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	ND	1.00	75-35-4
1,1-Dichloroethane	ND	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	ND	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/12/96
INSTRUMENT HP-3
ANALYST MAP
UNITS ug/L
DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID EQBFRACTION 07A TEST CODE 601NAME PURGEABLE HALOCARBONSDate & Time Collected 01/05/96Category LIQUID**PURGEABLE HALOCARBONS**

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	ND	1.00	75-35-4
1,1-Dichloroethane	ND	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	ND	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/12/96

INSTRUMENT HP-3

ANALYST MAP

UNITS ug/L

DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

Received: 01/08/96

Results by Sample

SAMPLE ID <u>F/B</u>	SAMPLE # <u>08</u> FRACTIONS: <u>A</u>
	Date & Time Collected <u>01/05/96</u> Category <u>LIQUID</u>
HOLD <u>-</u>	
<u>NONE</u>	

Received: 01/08/96

Results by Sample

SAMPLE ID METHOD BLANK FRACTION 09A TEST CODE 601 NAME PURGEABLE HALOCARBONS
 Date & Time Collected not specified Category QC

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	ND	1.00	75-35-4
1,1-Dichloroethane	ND	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropane	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	ND	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/12/96

INSTRUMENT HP-3

ANALYST MAP

UNITS ug/L

DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID MEAN % RECOVERY FRACTION 10A TEST CODE 601 NAME PURGEABLE HALOCARBONS
 Date & Time Collected not specified Category QC

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	*	*	74-87-3
Bromomethane	*	*	74-83-9
Vinyl Chloride	*	*	75-01-4
Dichlorodifluoromethane	*	*	75-71-8
Chloroethane	*	*	75-00-3
Methylene Chloride	*	*	75-09-2
Trichlorofluoromethane	*	*	75-69-4
1,1-Dichloroethene	80 %	*	75-35-4
1,1-Dichloroethane	*	*	75-34-3
trans-1,2-Dichloroethene	*	*	156-60-5
Chloroform	*	*	67-66-3
1,2-Dichloroethane	*	*	107-06-2
1,1,1-Trichloroethane	*	*	71-55-6
Carbon tetrachloride	*	*	56-23-5
Bromodichloromethane	*	*	75-27-4
1,2-Dichloropropane	*	*	78-87-5
Trans-1,3-Dichloropropane	*	*	10061-02-6
Trichloroethene	98 %	*	79-01-6
cis-1,3-Dichloropropene	*	*	10061-01-5
1,1,2-Trichloroethane	*	*	79-00-5
Dibromochloromethane	*	*	124-48-1
2-Chloroethylvinyl Ether	*	*	100-75-8
Bromoform	*	*	75-25-2
1,1,2,2-Tetrachloroethane	*	*	79-34-5
Tetrachloroethene	*	*	127-18-4
Chlorobenzene	101 %	*	108-90-7
1,4-Dichlorobenzene	*	*	106-46-7
1,3-Dichlorobenzene	*	*	541-73-1
1,2-Dichlorobenzene	*	*	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/11/96
 INSTRUMENT HP-3
 ANALYST MAP
 UNITS %
 DILUTION *1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID RPD FRACTION 11A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected not specified Category QC

PURGEABLE HALOCARBONS

	DETEC	CAS
RESULT	LIMIT	NUMBER
Chloromethane	*	74-87-3
Bromomethane	*	74-83-9
Vinyl Chloride	*	75-01-4
Dichlorodifluoromethane	*	75-71-8
Chloroethane	*	75-00-3
Methylene Chloride	*	75-09-2
Trichlorofluoromethane	*	75-69-4
1,1-Dichloroethene	6.3 %	75-35-4
1,1-Dichloroethane	*	75-34-3
trans-1,2-Dichloroethene	*	156-60-5
Chloroform	*	67-66-3
1,2-Dichloroethane	*	107-06-2
1,1,1-Trichloroethane	*	71-55-6
Carbon tetrachloride	*	56-23-5
Bromodichloromethane	*	75-27-4
1,2-Dichloropropane	*	78-87-5
Trans-1,3-Dichloropropane	*	10061-02-6
Trichloroethene	4.1 %	79-01-6
cis-1,3-Dichloropropene	*	10061-01-5
1,1,2-Trichloroethane	*	79-00-5
Dibromochloromethane	*	124-48-1
2-Chloroethylvinyl Ether	*	100-75-8
Bromoform	*	75-25-2
1,1,2,2-Tetrachloroethane	*	79-34-5
Tetrachloroethene	*	127-18-4
Chlorobenzene	3.0 %	108-90-7
1,4-Dichlorobenzene	*	106-46-7
1,3-Dichlorobenzene	*	541-73-1
1,2-Dichlorobenzene	*	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 01/11/96
INSTRUMENT HP-3
ANALYST MAP
UNITS %
DILUTION *1

ND = NOT DETECTED AT DETECTION LIMITS

Page 13

Received: 01/08/96

TOXIKON CORP.

REPORT

Work Order # 96-01-039

Test Methodology

TEST CODE 601 NAME PURGEABLE HALOCARBONS

EPA METHOD: 601 Volatile Halocarbons Compounds

Reference: Methods for Organic Chemical Analysis of Municipal and
Industrial Wastewater. Appendix A. 40CFR Part 136.
Federal Register Vol. 49, No. 209, 1984.

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered. GED-TK-95-0160

I also wish to receive the following services (for an extra fee):

1. Addressee's Address
2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Mr Art Sengupta, Sr.
 Construction and Land
 Management Department
 South Florida Water
 Management District
 P.O. Box 24680
 West Palm Beach, FL 33416-4680

4a. Article Number
2 188 599 814

- 4b. Service Type
- | | |
|---|---|
| <input type="checkbox"/> Registered | <input type="checkbox"/> Insured |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery AUG 7 1995

5. Signature (Addressee)

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)



Thank you for using Return Receipt Service



Department of Environmental Protection

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

CERTIFIED
Z-188-599-814

Mr. Art Sengupta, Sr.
Construction and Land Management Department
South Florida Water Management District
Post Office Box 24680
West Palm Beach, FL 33416-4680

OCD-TK-95-0160

Osceola County - TK/PC
SFWMD - Kissimmee Field Station
STI #498520968
Contamination Assessment Report (CAR) Addendum Review

Dear Mr. Sengupta:

The Department has reviewed of the Contamination Assessment Report (CAR) and No Further Action Proposal (NFAP) received October 7, 1994, for the referenced site. Documentation submitted with the NFAP confirms that criteria set forth in Section 62-770.600(7), Florida Administrative Code (F.A.C.), have been met. The NFAP is hereby incorporated by reference in this Order. Therefore, you are released from any further obligation to conduct site rehabilitation at the subject site, except as set forth below.

The non-petroleum contamination, 1,1 Dichloroethene, should be resampled at the end of 1995 in the wells in which it has previously appeared. The dissolved oxygen should also be analyzed for the samples. If the levels of 1,1 Dichloroethene have not decreased to below the state MCL, the site will be referred to the Waste Cleanup Section.

If a subsequent discharge of petroleum or petroleum product occurs at the site, the Department may require site rehabilitation in order to reduce contaminant concentration to the levels approved through review of the NFAP or otherwise allowed by Chapter 62-770, F.A.C.

Additionally, you are required to properly abandon all monitoring wells except compliance wells required by Chapter 62-761, F.A.C., for release detection. The wells must be abandoned in accordance with the requirements of Rule 62-532.500(4), F.A.C.

Mr. Art Sengupta, Sr.
OCD-TK-95-0160
Page Two

Persons whose substantial interests are affected by this Site Rehabilitation Completion Order have the right to challenge the Department's decision. Such a challenge may include filing a petition for an administrative determination (hearing) as described in the following paragraphs. However, pursuant to Chapter 62-103, F.A.C., you may request an extension of time to file the Petition. All requests for extensions of time or petitions for administrative determinations must be filed directly with the Department's Office of General Counsel at the address given below within twenty-one (21) days of receipt of this notice (do not send them to the Central District)

Notwithstanding the above, a person whose substantial interests are affected by this Site Rehabilitation Completion Order may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within twenty-one (21) days of receipt of this notice. Failure to file a petition within the twenty-one (21) days constitutes a waiver of any rights such persons have to an administrative determination (hearing) pursuant to Section 120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the Department file number (DEP facility number), and the name and address of the facility;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by each petitioner, if any;
- (e) A statement of facts which each petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules of statutes each petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by each petitioner, stating precisely the action each petitioner wants the Department to take with respect to the Department's action or proposed action.

This Site Rehabilitation Completion Order is final and effective on the date of receipt of this Order unless a petition (or time extension) is filed in accordance with the preceding paragraph. Upon the timely filing of a petition, this Order will not be effective until further order of the Department.

Mr. Art Sengupta, Sr.
OCD-TK-95-0160
Page Three

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal, accompanied by the applicable filing fees, with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date the Final Order is filed with the clerk of the Department.

The DEP Facility Number for this site is 498520968. Please use this identification on all future correspondence with the Department.

Any questions you may have on the technical aspects of this Site Rehabilitation Completion Order should be directed to Deborah Metrin, P.G., at 407/893-3321. Contact with the above named person does not constitute a petition for administrative determination.

Sincerely,



W. M. Bostwick, Jr., P.E.
Program Administrator
Waste Management

Date: 8/1/95



WMB/dm

cc: Bret LeRoux, Waste Cleanup, Orlando
Richard Kale, Osceola County Department of Public Safety



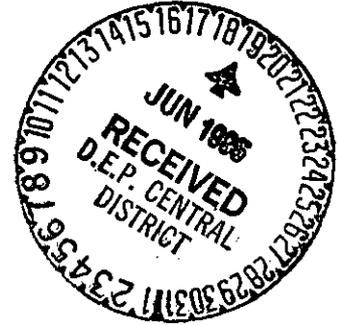
South Florida Water Management District

3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

PRO FUEL CONTAMINATION ASSESSMENT

June 13, 1995

Ms. Deborah B. Metrin, P.G.
Program Manager, Tanks/Petroleum Cleanup
Florida Dept of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803-3767



Site: South Florida Water Management District
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida
DEP Facility #498520968

Dear Ms. Metrin:

This letter references your letter dated June 8, 1995 (copy attached) regarding the Contamination Assessment Report Addendums prepared by our consultants, Dames and Moore Inc. The following is our response to your comments.

This is to acknowledge that vapor readings recorded in the Supplemental Assessment Report dated April 3, 1995 are much higher than those recorded in the December 17, 1993 report, although some of the borings installed during the current investigation are adjacent to 1993 event. In order to confirm the validity of the elevated readings, confirmatory laboratory samples were collected and analyzed for parameters under EPA 8020 method and MTBE. Based on the levels reported in the lab reports, it is obvious that the high headspace reading could be due to other non regulated hydrocarbon vapors. The laboratory analytical data summarized under Table 2 of the said report (copy attached) indicated marginal concentrations of Toluene, Benzene, Ethyl Benzene and Xylenes were reported in only one soil sample. Note that the soil vapor readings are a qualitative measure of the hydrocarbon concentrations and should be used as an alternative should laboratory data be unavailable.

The Dames and Moore Report dated December, 1993 reported headspace readings from 0 to 45 ppm. These levels are below the 50 ppm level or the "Excessively Contaminated Levels" recommended for diesel contaminated soils to be excavated under the DEP document titled "Guidelines for Assessment and Remediation of Petroleum Contaminated Soils" (May 1994). The consultant's recommendations of possible leachates is untenable since the dissolved hydrocarbon levels for all compounds except 1,1-dichloroethene during the past sampling events have been below the State approved levels. In view of the above, no soil excavation was implemented.

Governing Board:

Valerie Boyd, Chairman
Frank Williamson, Jr., Vice Chairman
William E. Graham

William Hammond
Betsy Krant
Richard A. Machek

Eugene K. Pettis
Nathaniel P. Reed
Miriam Singer

Samuel E. Poole III, Executive Director
Michael Slayton, Deputy Executive Director

Deborah B. Metrin

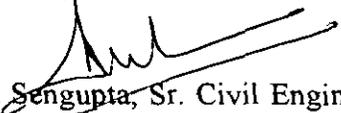
June 17, 1995

Page 2

We hope that the information provided to you will satisfy the concerns you may have regarding the site. Although concentrations of 1,1-Dichloethene was monitored in a monitor well, MW-2, the levels have fluctuated from 5.58 ppb in October, 1993 to 45.5 ppb in the April 1995 CAR and 10.4 ppb in May 15, 1995 Supplemental CAR. Additionally, since no offsite or on site source of contamination has been identified during our investigations, we are recommending that a "No Further Action" order be issued for the location.

Should you have any questions, please contact me at (407) 687-6353.

Sincerely,


Art Sengupta, Sr. Civil Engineer
Engineering and Project Management Division
Construction and Land Management Department

/AS

Enclosures

c: Mike Crandall, OMD, Kiss. F.S.
Albert Basulto, CLM (w/o encl.)
Cled Weldon, CLM (w/o encl.)



Department of
Environmental Protection

RECEIVED

JUN 12 1995

CONSTRUCTION MANAGEMENT DEF
PROJECT MANAGEMENT DIV.

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
June 8, 1995

Virginia B. Wetherell
Secretary

CERTIFIED
Z 188 599 811

Mr. Art Sengupta
Engineering And Project Management
South Florida Water
Management District
3301 Gun Club Road
West Palm Beach, Florida 33406

OCD-TK-95-0133

Osceola County-TK/PC
Kissimmee Field Station
STI #498520968
Contamination Assessment Report (CAR) Addendums Review

Dear Mr. Sengupta:

The Department reviewed the Contamination Assessment Report (CAR) Addendums received April 10 and May 15, 1995, submitted for the referenced site. The following comments must be addressed before the CAR will meet the requirements of Chapter 62-770, Florida Administrative Code (F.A.C.):

1. Why are the vapor readings on the soil so much higher than the October 1993 levels?
2. Has any soil been removed as recommended in the December 1993 CAR?

Please respond to these comments within 30 days of receipt of this letter.

Please note, all supplemental contamination assessment related documents should be signed and sealed by a registered professional in accordance with Section 62-770.500, F.A.C. The certification should be made by a registered professional who is able to demonstrate competence in the subject area(s) addressed within the sealed document.

If you have any questions concerning this review, you may contact me at (407) 894-7555.

Sincerely,

Deborah B. Metrin, P.G.
Program Manager
Tanks/Petroleum Cleanup

/dbm

cc: Robert G. Cooper, Dames & Moore

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

TABLE 2
 SOIL ANALYTICAL RESULTS SUMMARY TABLE
 SFWMD - KISSIMMEE FIELD STATION
 JANUARY 30, 1995

Parameter (ug/kg)	SB-11 (2'-4')	SB-13 (2'-4')	SB-14 (2'-4')	SB-15 (2'-4')	SB-17 (0'-2')	SB-17 (2'-4')	SB-18 (2'-4')	SB-19 (2'-4')
Benzene	ND	ND	7.41	ND	ND	ND	ND	ND
Toluene	2.86	4.09	14.3	3.52	ND	4.1	ND	ND
Ethylbenzene	ND	2.47	ND	ND	ND	ND	ND	ND
Xylenes (total)	ND	ND	7.48	ND	ND	ND	ND	ND
MTBE	ND							

ND = Not Detected at Detection Limits



Department of Environmental Protection

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
June 8, 1995

Virginia B. Wetherell
Secretary

CERTIFIED
Z 188 599 811

Mr. Art Sengupta
Engineering And Project Management
South Florida Water
Management District
3301 Gun Club Road
West Palm Beach, Florida 33406

OCD-TK-95-0133

Osceola County-TK/PC
Kissimmee Field Station
STI #498520968
Contamination Assessment Report (CAR) Addendums Review

Dear Mr. Sengupta:

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1. Why are the vapor readings on the soil so much higher than the October 1993 levels?
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Please respond to these comments within 30 days of receipt of this letter.

Please note, all supplemental contamination assessment related documents should be signed and sealed by a registered professional in accordance with Section 62-770.500, F.A.C. The certification should be made by a registered professional who is able to demonstrate competence in the subject area(s) addressed within the sealed document.

If you have any questions concerning this review, you may contact me at (407) 894-7555.

Sincerely

Deborah B. Metrin, P.G.
Program Manager
Tanks/Petroleum Cleanup

/dbm

cc: Robert G. Cooper, Dames & Moore

Your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered. *DCD-TK-95-0133*

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

*Mr. Art Sengupta
 Engineering and Project Management
 South Florida Water Management Dist
 3301 Sun Club Road
 West Palm Beach FL 33416*

4a. Article Number

2 188 599 811

4b. Service Type

- Registered Insured
- Certified COD
- Express Mail Return Receipt for Merchandise

7. Date of Delivery

6/12/95

5. Signature (Addressee)

6. Signature (Agent)

[Handwritten Signature]

8. Addressee's Address (Only if requested and fee is paid)

RETURN RECEIPT REQUESTED

JUN 12 1995

Thank you for using Return Receipt Service.



South Florida Water Management District

3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

PRO FUEL CONTAMINATION ASSESSMENT

May 10, 1995

Ms. Deborah B. Metrin, P.G.
Program Manager, Tanks/Petroleum Cleanup
Florida Dept of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803-3767



Site: South Florida Water Management District
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida
DEP Facility #498520968

Dear Ms. Metrin:

Enclosed please find a copy of the groundwater analytical results from monitor well MW-2. Monitor well MW-2 was resampled on April 17, 1995. Analytical data indicates that the concentration level of 1,1-Dichloroethene and 1,1-Dichloroethane have declined from 45.5 and 24.6 ppb to 10.4 and 7.52 ppb respectively.

Should you have any questions, please contact me at (407) 687-6353.

Sincerely,

Art Sengupta
Sr. Civil Engineer
Engineering and Project Management Division
Construction and Land Management Department

/AS

Enclosures

Governing Board:

Valerie Boyd, Chairman
Frank Williamson, Jr., Vice Chairman
William E. Graham

William Hammond
Betsy Krant
Richard A. Machek

Eugene K. Pettis
Nathaniel P. Reed
Miriam Singer

Samuel E. Poole III, Executive Director
Michael Slayton, Deputy Executive Director



**RE: GROUNDWATER ANALYTICAL RESULTS
FOR MONITOR WELL MW-2
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
KISSIMMEE FIELD STATION
KISSIMMEE, FLORIDA
DEP FACILITY #498520968**

**JOB NO.: 10582-021-024
DATE: MAY 8, 1995**

 **DAMES & MOORE**



DAMES & MOORE

6400 CONGRESS AVENUE, SUITE 2500, BOCA RATON, FLORIDA 33487
(407) 994-6500 FAX: (407) 994-6524

May 8, 1995

Mr. Art Sengupta
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33416

**GROUNDWATER ANALYTICAL RESULTS
FOR MONITOR WELL MW-2
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
KISSIMMEE FIELD STATION
KISSIMMEE, FLORIDA
DEP FACILITY #498520968**

Dear Mr. Sengupta:

INTRODUCTION/BACKGROUND

Dames & Moore is pleased to present this letter report to the South Florida Water Management District (SFWMD) for the above referenced site located at 80 Hoagland Boulevard in Kissimmee, Florida. In response to Dames & Moore's Supplemental Assessment Report dated April 3, 1995, SFWMD requested that MW-2 be resampled for EPA Method 601 constituents.

GROUNDWATER SAMPLING AND ANALYSIS

On April 17, 1995, Dames & Moore collected a groundwater sample from monitoring well MW-2. Groundwater samples were collected in accordance with Dames & Moore's approved ComQap # 880658G. A site plan showing well locations is provided as Figure 1. A minimum of three times the standing water in the wells was purged prior to the sample collection. In addition, pH, temperature, and conductivity readings were recorded in the field and allowed to stabilize prior to sample collection.

South Florida Water Management District
May 8, 1995
Page 2

The groundwater analytical samples were collected using precleaned disposable bailers. The samples were placed in laboratory supplied containers and stored on ice and delivered under chain-of-custody to Toxikon Laboratory in West Palm Beach, Florida for EPA Method 601 analysis. Groundwater analytical results were received by Dames & Moore on April 28, 1995. A copy of the laboratory report and the chain-of-custody record are provided in Appendix A.

GROUNDWATER ANALYTICAL RESULTS

The laboratory analytical results for the MW-2 indicate that the concentrations of 1,1-Dichloroethene and 1,1-Dichloroethane have declined since the last sampling event conducted on February 13, 1995. However, the concentration of 1,1-Dichloroethene remains above the Maximum Contamination Level set at $7 \mu\text{g/l}$. A groundwater analytical results summary table for the April 17, 1995 resampling of MW-2 as well as the February 13, 1995 sampling event is provided as Table 1.0.



DAMES & MOORE

South Florida Water Management District
May 8, 1995
Page 3

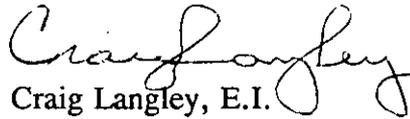
Dames & Moore appreciates the opportunity to be of service to the SFWMD. Our recommendations regarding this report are included under a separate cover. If you have any questions or require additional information, please contact us at your earliest convenience.

Sincerely

DAMES & MOORE, INC.



Robert G. Cooper
Associate



Craig Langley, E.I.
Assistant Engineer

RGC\CL:rsg
10582021\MW-2.58
CC: R. MacWilliams

TABLE 1.0
GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
SFWMD - KISSIMMEE FIELD STATION
FEBRUARY 13, 1995

Parameter (ug/l)	MW-1	MW-2	MW-2****	MW-3	MW-4	MW-5	MW-9	MW-11	MW-12	MW-2 DUPE****	MCL
EPA Method 601											
1,1-Dichloroethene	NS	45.5	10.4	BDL	1.57	BDL	NS	BDL	BDL	10.5	7*
1,1-Dichloroethane	-	24.6	7.52	BDL	1.9	BDL	-	BDL	BDL	7.57	-
Chlorobenzene	-	BDL	BDL	3.28	1.18	BDL	-	16.3	BDL	BDL	100*
1,4 Dichlorobenzene	-	BDL	BDL	5.5	1.14	BDL	-	14	BDL	BDL	75*
EPA Method 602											
Chlorobenzene	1.15	BDL	NS	BDL	BDL	BDL	7.38	NS	NS	NS	100*
1,4-Dichlorobenzene	11	BDL	-	BDL	BDL	BDL	3.91	-	-	-	75*
MTBE		8.67	-	4.46	BDL	BDL	20.9	-	-	-	50**

BDL = below detection limits

NS = not sampled

MCL = Maximum Contamination Limits

* = MCL per FAC 62-550

** = MCL per FAC 62-770

**** = Sample taken April 17, 1995

Grass

Grass

N

MW-8

MW-10

Equipment Shed

Grass

Surface Drain

Shop

MW-9

MW-1

MW-3

DW-1

MW-2

MW-4

MW-5

Active Tank Area

Former Tank Area

MW-11

Entrance

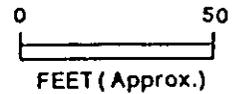
MW-7

Administration Bldg

Break Room and Shop

Legend:

- ⊕ MW-1 Existing Shallow Monitoring Well
- DW-1 Newly Installed Deep Monitoring Well
- ⊕ MW-7 Newly Installed Shallow Monitoring Well



SITE LOCATION MAP

Project : SFWMD-KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV. 1993

 **Dames & Moore**
FLORIDA

FIGURE

CHECKED :

BY : *[Signature]* 11/93

Page 1
Received: 04/19/95

TOXIKON CORP. REPORT
04/24/95 10:32:12

Work Order # 95-04-120

REPORT DAMES AND MOORE
TO 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487
(407)994-6500 FAX 407-994-6524

ATTEN CRAIG LANGLEY

CLIENT DM SAMPLES 7
COMPANY DAMES AND MOORE
FACILITY 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487

WORK ID SFLMD-KISSIMMEE FIELD STATION
TAKEN 04/17/95
TRANS COURIER
TYPE LIQUID
P.O. # _____
INVOICE under separate cover

PREPARED TOXIKON WEST PALM BEACH
BY 1860 OLD OKEECHOBEE RD. #401
WEST PALM BEACH, FL 33409
HRS #EB6278 QA# 910150G

ATTEN JOHN YAREMCHUK
PHONE (407) 478-4803 FAX 478-0214


CERTIFIED BY

CONTACT JOHN

SAMPLE IDENTIFICATION

01 MW-2
02 DUP
03 EQB
04 FB
05 METHOD BLANK
06 MEAN % RECOVERY - LCS
07 RPD - LCS

TEST CODES and NAMES used on this workorder

601 PURGEABLE HALOCARBONS
HOLD THIS SAMPLE IS ON HOLD

SAMPLE ID MW-2 FRACTION 01A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected 04/17/95 12:05:00 Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	10.4	1.00	75-35-4
1,1-Dichloroethane	7.52	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	ND	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 04/20/95

INSTRUMENT HP-1

ANALYST MAP

UNITS ug/L

DILUTION

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID DUP FRACTION 02A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected 04/17/95 Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	10.5	1.00	75-35-4
1,1-Dichloroethane	7.57	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	ND	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 04/20/95

INSTRUMENT HP-1

ANALYST MAP

UNITS ug/L

DILUTION

ND = NOT DETECTED AT DETECTION LIMITS

Received: 04/19/95

Results by Sample

SAMPLE ID EOBFRACTION 03A TEST CODE 601 NAME PURGEABLE HALOCARBONSDate & Time Collected 04/17/95 11:30:00 Category LIQUID**PURGEABLE HALOCARBONS**

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	ND	1.00	75-35-4
1,1-Dichloroethane	ND	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	ND	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 04/20/95

INSTRUMENT HP-1

ANALYST MAP

UNITS ug/L

DILUTION

ND = NOT DETECTED AT DETECTION LIMITS

TOXIKON

1860 Old Okeechobee Road, Building 400
 West Palm Beach, FL 33409
 Tele: (407) 478-4803 Fax: (407) 478-0214

CHAIN OF CUSTODY RECORD

WORK ORDER #: 15004.180
 DUE DATE: 4.26.95

COMPANY: DAMES & MOORE
 ADDRESS: Office - A Compress Ave #262
3004 Lorton Pl 33487
 PHONE #: (407) 994-6500 FAX #: (407) 994-6500
 P.O. #: _____
 PROJECT MANAGER: CPA: J. Langley
 PROJECT ID/LOCATION: Stump-Kissimmee FSD S&S

- SAMPLE TYPE CONTAINER TYPE
- 1. WASTEWATER P- PLASTIC
 - 2. SOIL G- GLASS
 - 3. SLUDGE V- VOA
 - 4. OIL
 - 5. DRINKING WATER
 - 6. WATER (GWMW/SW)
 - 7. OTHER (SPECIFY)

TOXIKON #	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER			SAMPLING DATE	TIME	PRESERVATIVE	ANALYSES	COMMENTS
			SIZE	TYPE	#					
	MW-2	6	40ml	V	2	4/17/95	1005			
	DUP	6	40ml	V	2	4/17/95	---			
	E08	6	40ml	V	2	4/17/95	1130			
	FB	6	40ml	V	2	4/19/95	1115			1672 RENAN KISSIMISS

SAMPLED BY: David Walker DATE: 4-17-95 RECEIVED BY: _____ DATE: _____
 REINQUISHED BY: _____ DATE: 4-17-95 RECEIVED BY: _____ DATE: _____
 RELINQUISHED BY: _____ DATE: _____ RECEIVED BY: _____ DATE: _____
 METHOD OF SHIPMENT: _____ COOLER TEMPERATURE: _____

RECEIVED FOR LAB BY: [Signature] DATE: 4-19-95
 TIME: _____

SPECIAL INSTRUCTIONS: RUSH BUSINESS DAY TURN AROUND
 ROUTINE
 Sample disposal information
 Are there any other known or suspected contaminants in these samples other than those listed above? Yes No If Yes, 1st Known _____



South Florida Water Management District

3301 Gun Club Road, West Palm Beach, Florida 33406 • (407) 686-8800 • FL WATS 1-800-432-2045

PRO FUEL CONTAMINATION ASSESSMENT

April 5, 1995

Ms. Deborah B. Metrin, P.G.
Program Manager, Tanks/Petroleum Cleanup
Florida Dept of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803-3767



Site: South Florida Water Management District
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida
DEP Facility #498520968

Dear Ms. Metrin:

Enclosed please find two (2) copies of the Supplemental Assessment Report prepared for the location by our consultants, Dames and Moore, Inc. This report has been prepared in accordance with Chapter 17-770, Florida Administrative Code. This report addresses your review letter dated January 7, 1994. During this assessment, an offsite monitor well (MW-12) was installed on the City's Right-of-Way approximately 75 feet upgradient of monitor well MW-11. Groundwater samples collected from this monitor well did not record detectable hydrocarbon levels. During the assessment, approximately 26 soil borings were installed in the vicinity of the former tank area and the dispenser islands in a grid pattern. Headspace readings were collected at every two feet intervals. Eight samples with the highest OVA readings were analyzed for EPA 8020 parameters and MTBE. Analytical data indicates low levels of BTEX and no MTBE. All monitor wells with previously reported MTBE concentrations reported levels below 10 ppb.

During a previous sampling event on October 12, 1993, the concentration level of the 1,1-Dichloroethene in monitor well MW-2 was 5.58 ppb. However, during the current sampling round a concentration of 45.5 ppb was detected. This is above the Primary Drinking Standard as defined in Chapter 17.550, FAC. Since the concentration level of the said compound was below the Drinking Water Standards in the adjacent monitor wells and during a previous sampling round, the levels detected could be related to residual levels persisting in the soils.

Governing Board:

Valerie Boyd, Chairman
Frank Williamson, Jr., Vice Chairman
William E. Graham

William Hammond
Betsy Krant
Richard A. Machek

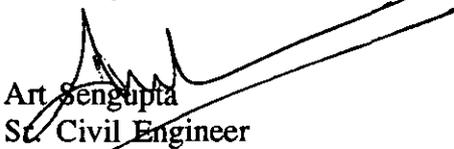
Eugene K. Pettis
Nathaniel P. Reed
Miriam Singer

Samuel E. Poole III, Executive Director
Michael Slayton, Deputy Executive Director

Deborah B. Metrin
April 5, 1995
Page 2

In view of the above, we are recommending a "No Further Action" for the location. Should you have any questions, please contact me at (407) 687-6353.

Sincerely,



Art Sengupta
Sr. Civil Engineer
Engineering and Project Management Division
Construction and Land Management Department

/AS

Enclosures

c: Mike Crandall, OMD, KISS F.S.
Albert Basulto, CLM (w/o encl.)
Cled Weldon, CLM (w/o encl.)



**RE: SUPPLEMENTAL ASSESSMENT REPORT
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
KISSIMMEE FIELD STATION
80 HOAGLAND BOULEVARD
DEP FACILITY #498520968
KISSIMMEE, FLORIDA**

**JOB NO.: 10582-021-024
DATE: APRIL 3, 1995**

 **DAMES & MOORE**

DAMES & MOORE

6400 CONGRESS AVENUE, SUITE 2500, BOCA RATON, FLORIDA 33487
(407) 994-6500 FAX: (407) 994-6524

April 3, 1995

Mr. Art Sengupta
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33416

**SUPPLEMENTAL ASSESSMENT REPORT
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
KISSIMMEE FIELD STATION
80 HOAGLAND BOULEVARD
DEP FACILITY #498520968
KISSIMMEE, FLORIDA**

1.0 INTRODUCTION/BACKGROUND

Dames & Moore is pleased to present this Supplemental Contamination Assessment Report (SCAR) to the South Florida Water Management District (SFWMD) for the above referenced site, located at 80 Hoagland Boulevard, Kissimmee, Florida. The work presented herein is based on comments addressed by the Florida Department of Environmental Protection (FDEP), in their letter to the SFWMD, dated January 7, 1994, as well as recommendations stated in Dames & Moore's Contamination Assessment Report (CAR) for the Kissimmee Field Station (KFS), dated December 17, 1993.

The FDEP listed four concerns in their January 7, 1994 letter addressed to the SFWMD (included under Appendix A), regarding the December 17, 1993, CAR submitted for the KFS. According to the FDEP, these items needed to be addressed before the CAR would meet the requirements of Chapter 17-770, of the Florida Administrative Code (FAC). The comments made by the FDEP were as follows:

1. What is the potential off-site source cited in Section 6.2 of the CAR?
2. Could the solvent contamination in monitor wells MW-3, MW-4 and MW-11 be from the KFS maintenance shop?
3. The recommendations provided in the CAR should be carried out to further determine the sources of contamination and prevent lingering levels of MTBE and solvents.
4. Due to the continuing presence of 1,1-Dichloroethene, 1,1-Dichloroethane, 1,4-Dichlorobenzene and Chlorobenzene contamination in the groundwater, EPA Method 601 analyses must be continued on a quarterly basis.

2.0 OBJECTIVE

The objective of the Supplemental Assessment was to provide the FDEP with the information requested in their letter dated January 7, 1994.

3.0 SCOPE OF WORK

The above mentioned objective was achieved by performing the following tasks:

3.1 Task 1 - Soil Sampling and Analysis

Soil borings completed during the October 1993 field investigation identified areas of elevated headspace readings ranging between 1.0 ppm and 45.0 ppm. Even though these levels were below the target levels defined for "excessively contaminated soils", under FAC 17-770, these soils may still produce harmful leachate depending on the solubility of the petroleum contaminant. The FDEP "Guidelines for Assessment and Remediation of Petroleum Contaminated Soils", dated May 1992, suggests that soils with petroleum hydrocarbon vapor concentrations ranging between 10 ppm and 50 ppm may require remediation depending on the apparent impact on the groundwater. Because MTBE is one of the most water soluble constituents associated with petroleum products, it will leach readily from soils into the groundwater. In order to evaluate if contaminated soils were continuing to leach into the groundwater thus causing the continued persistence of MTBE contaminated groundwater, Dames & Moore recommended that further investigation into the extent of petroleum contaminated soils was warranted.

On January 30, 1995, Dames & Moore observed the completion of 26 soil borings at the subject facility. The locations of these borings are provided in Figure 1. The borings were completed from grade level to the groundwater interface with soil samples being collected continuously using a split-barrel sampler. The soil samples were monitored for total volatile organic vapor content using a Flame Ionization Detector (FID), in accordance with Section 17-770.200, FAC. A soil headspace summary table is included as Table 1. Eight samples with the highest concentrations of detected volatile organic vapors were placed in laboratory supplied containers and submitted to Toxikon Laboratory, in West Palm Beach, Florida, for analysis of EPA Method 8020, including MTBE. All soil samples were collected in accordance with Dames & Moore's approved Comprehensive Quality Assurance Plan (ComQAP) Number 880658G.

Soil analytical results were received by Dames & Moore on February 9, 1995, and indicated that low concentrations of BTEX constituents were present in some of the samples. No MTBE was detected in any of the samples. A soil analytical results summary table is included as Table 2. Comprehensive soil analytical results are provided in Appendix B.

3.2 Task 2 - Monitoring Well Installation

Analytical data of groundwater samples collected on October 12, 1993, indicated elevated concentrations of EPA Method 601 constituents. The highest levels of 601 constituents were detected in upgradient monitor well MW-11. As stated in the recommendations section of the December 1993 CAR, a strong potential exists that off-site groundwater contamination is migrating on-site. It was noted, however, that the KFS septic leach field is located immediately north of monitor well MW-11 and may also potentially be the source of the solvent contamination. In order to evaluate whether or not solvents detected in the on-site monitor wells are coming from an off-site source, Dames & Moore recommended that one shallow monitoring well be installed 50 feet or more up gradient of monitor well MW-11.

On January 30, 1995, Dames & Moore observed Subsurface Testing & Drilling, of Port St. Lucie, Florida, install a shallow monitoring well approximately 75 feet east (upgradient) of monitoring well MW-11. The well was constructed of 2-inch diameter, schedule 40 PVC riser with ten (10) foot, 0.01-inch slotted PVC screen. A 6/20 silica sand filter pack was installed from the bottom of the well to 6-inches above the screen, followed by a 6-inch bentonite seal and finished with a neat cement grout to the surface. The completion depth of the well was 12-feet below grade as to situate the screen across the water table interface. The well was finished with a locking PVC cap within a flush mounted well housing and concrete pad. The well is labelled monitor well MW-12. A well construction diagram is provided as Figure 2.

On February 13, 1995, monitoring well MW-12 was surveyed for top-of-casing elevation by Atlantic Surveying, Inc., of Winter Garden, Florida. A copy of the survey is provided in Appendix C.

3.3 Task 3 - Groundwater Sampling & Analysis

On February 13, 1995, Dames & Moore collected a groundwater sample from monitoring well MW-12 and sent it to Toxikon Laboratory for analysis of EPA Method 601 for volatile halocarbons. Groundwater samples were also collected from the following wells because the most recent groundwater analytical results were greater than 6-months old.

EPA Method 601: MW-2, MW-3, MW-4, MW-5, and MW-11

EPA Method 602: MW-1, MW-2, MW-3, MW-4, MW-5 and MW-9

One equipment sample and one duplicate sample were also collected and analyzed for EPA Method 601 and 602. All groundwater samples were collected in accordance with Dames &

Moore's approved ComQAP # 880658G.

Groundwater analytical results were received by Dames & Moore on February 17, 1995. MTBE was detected in monitoring wells MW-1, MW-2, MW-3, and MW-9. Chlorobenzene was detected in monitoring wells MW-1, MW-3, MW-4, MW-5 and MW-11. Chlorobenzene was not detected in the upgradient, offsite monitoring well MW-12. 1,4-Dichlorobenzene was detected in monitoring wells MW-3, MW-4 and MW-11. 1,1-Dichloroethene and 1,1-Dichloroethane were detected in monitoring wells MW-2 and MW-4. A groundwater analytical results summary table for samples collected on February 13, 1995, is provided as Table 3. Comprehensive groundwater analytical results are provided in Appendix D.

3.4 Task 4 - Groundwater Flow

Depth to water measurements were taken at each monitoring well on February 13, 1995, from TOC, by Dames & Moore staff. This data was used to prepare the Potentiometric Surface Map, which is presented as Figure 3. As evident in the figure, groundwater flow is towards the west at an approximate hydraulic gradient of 0.01 ft/ft, which is consistent with historical potentiometric data. A summary of water level information is presented in Table 4.

4.0 CONCLUSIONS

4.1 Soil

Headspace analysis of the soil samples collected on January 30, 1995, indicated areas of "excessively contaminated soils", as defined under FAC 17-770 for soils exhibiting headspace concentrations of greater than 500 ppm (gasoline). Eight samples exhibiting the highest concentrations of volatile organic vapors were submitted for laboratory analysis of EPA Method 8020, including MTBE. The soil analytical results exhibited trace concentrations of BTEX constituents in soil borings SB-11, SB-13, SB-14, SB-15 and SB-17. MTBE was not detected in any of the soil samples submitted for laboratory analysis.

4.2 Groundwater

Groundwater analytical results for February 13, 1995, indicated elevated levels of the following analytical parameters:

1. **MTBE** - MTBE was detected in monitoring wells MW-1 (11 ug/l), MW-2 (8.67

ug/l), MW-3 (4.46 ug/l) and MW-9 (20.9 ug/l). A MTBE isoconcentration contour map for February 13, 1995, is provided as Figure 4. Under guidelines established by the FDEP in their memo titled "No Further Action and Monitoring Only Guidelines for Petroleum Contaminated Sites", dated October 1990, a "no further action" recommendation requires that levels of MTBE not exceed 50 ug/l. No concentrations detected exceed this standard.

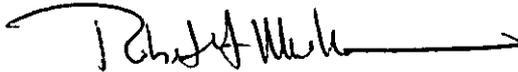
2. **1,1-Dichloroethene** - 1,1-Dichloroethene was detected in monitoring wells MW-2 (45.5 ug/l) and MW-4 (1.57 ug/l). A 1,1-Dichloroethene isoconcentration contour map is provided as Figure 5. The Primary Drinking Water Standards, defined under FAC 17-550, lists the maximum contaminant level (MCL) for 1,1-Dichloroethene as 7.0 ug/l. Concentrations detected in monitoring well MW-2 exceed the MCL.
3. **1,1-Dichloroethane** - 1,1-Dichloroethane was detected in monitoring wells MW-2 (24.6 ug/l) and MW-4 (1.9 ug/l).. Groundwater guidance concentrations, established by the FDEP in 1989, list the guidance concentration for 1,1-Dichloroethane as 2,400 ug/l. Groundwater analytical results for the February 13, 1995 sampling event are below this guidance concentration.
4. **Chlorobenzene** - Chlorobenzene was detected in monitoring wells MW-3 (3.28 ug/l), MW-4 (1.18 ug/l) and MW-5 (1.45 ug/l). The FDEP groundwater guidance concentration for Chlorobenzene is 10 ug/l. The primary drinking water standard, per FAC 17-550, for Chlorobenzene is 100 ug/l. The detected concentrations of Chlorobenzene are below both the aforementioned standards.
5. **1,4-Dichlorobenzene** - 1,4-Dichlorobenzene was detected in monitoring wells MW-3 (5.5 ug/l) and MW-4 (1.14 ug/l). The FDEP groundwater guidance concentration, as well as the Primary Drinking Water Standard for 1,4-Dichlorobenzene, is 75 ug/l. The detected concentrations of 1,4-Dichlorobenzene were significantly below this standard concentration.

 **DAMES & MOORE**

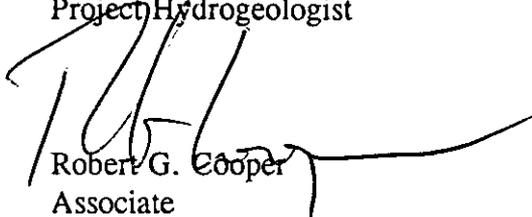
*South Florida Water Management District
April 3, 1995
Page 6*

Dames & Moore appreciates the opportunity to be of service to the SFWMD. Our recommendations regarding this report are included under separate cover. If you have any questions or require clarification, please contact us at your earliest convenience.

Respectfully Submitted,
DAMES & MOORE, INC.



Robert H. MacWilliams, P.G.
Project Hydrogeologist



Robert G. Cooper
Associate



TABLE 1
SOIL HEADSPACE SUMMARY TABLE
SFWMD - KISSIMMEE FIELD STATION
JANUARY 30, 1995

	<u>Corrected FID Reading (in ppm)*</u>	
	(0'-2')	(2'-4')
SB-9	BDL	30
SB-10	BDL	30
SB-11	BDL	200
SB-12	BDL	60
SB-13	BDL	1000
SB-14	25	1000
SB-15	154	1000
SB-16	7	1000
SB-17	1000	263
SB-18	380	770
SB-19	77	1000
SB-20	17	58
SB-21	300	750
SB-22	8	140
SB-23	1	60
SB-24	BDL	8
SB-25	BDL	1
SB-26	BDL	19

BDL = Below Detection Limits

FID = Flame Ionization Detector

PPM = Parts Per Million

* = (non-filtered value)-(filtered value)

TABLE 2
 SOIL ANALYTICAL RESULTS SUMMARY TABLE
 SFWMD - KISSIMMEE FIELD STATION
 JANUARY 30, 1995

Parameter (ug/kg)	SB-11 (2'-4')	SB-13 (2'-4')	SB-14 (2'-4')	SB-15 (2'-4')	SB-17 (0'-2')	SB-17 (2'-4')	SB-18 (2'-4')	SB-19 (2'-4')
Benzene	ND	ND	7.41	ND	ND	ND	ND	ND
Toluene	2.86	4.09	14.3	3.52	ND	4.1	ND	ND
Ethylbenzene	ND	2.47	ND	ND	ND	ND	ND	ND
Xylenes (total)	ND	ND	7.48	ND	ND	ND	ND	ND
MTBE	ND							

ND = Not Detected at Detection Limits

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
SFWMD - KISSIMMEE FIELD STATION
FEBRUARY 13, 1995

Parameter (ug/l)	MW-1	MW-2	MW-3	MW-4	MW-5	MW-9	MW-11	MW-12	DUPE	MCL
EPA Method 601	NS					NS				
1,1-Dichloroethene	---	45.5	BDL	1.57	BDL	---	BDL	BDL	46	7*
1,1-Dichloroethane	---	24.6	BDL	1.9	BDL	---	BDL	BDL	25.1	---
Chlorobenzene	---	BDL	3.28	1.18	1.45	---	16.3	BDL	BDL	100*
1,4-Dichlorobenzene	---	BDL	5.5	1.14	BDL	---	14	BDL	BDL	75*
EPA Method 602										
Chlorobenzene	1.15	BDL	BDL	BDL	BDL	7.38	NS	NS	BDL	100*
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	3.91	---	---	BDL	75*
MTBE	11	8.67	4.46	BDL	BDL	20.9	---	---	9.17	50**

BDL = Not Detected at Detection Limits

NS = Not Sampled

MCL = Maximum Contamination Level

* = MCL per FAC 17-550

** = MCL per FAC 17-770

TABLE 4
GROUNDWATER ELEVATION SUMMARY TABLE
KISSIMMEE FIELD STATION
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
FEBRUARY 13, 1995

<u>Well Number</u>	<u>Top-of-casing Elevation</u> <u>in feet-msl</u>	<u>Measured Depth</u> <u>to Water (ft)</u>	<u>Water Elevation</u> <u>in feet-msl</u>
MW-1	76.07	3.43	72.64
MW-2	76.01	3.31	72.70
MW-3	75.97	2.65	73.32
MW-4	75.96	2.51	73.45
MW-5	75.85	2.18	73.67
MW-6	<i>Well Destroyed</i>		
MW-7	76.2	3.47	72.73
MW-8	76.53	3.81	72.72
MW-9	74.96	3.93	71.03
MW-10	76.23	3.00	73.23
MW-11	77.74	3.60	74.14
MW-12	77.97	3.50	74.47
DW-1	76.28	2.89	73.39

msl = mean sea level

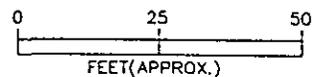
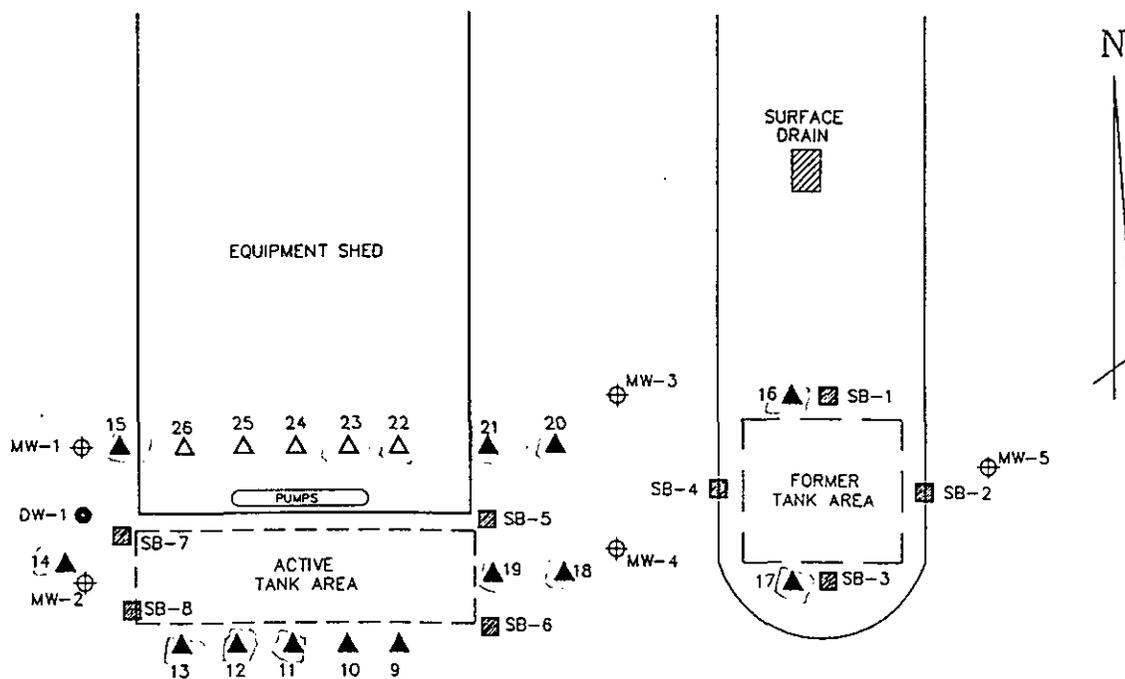
REVISIONS
BY
DATE

AUTOCAD FILE: KISSTA

CHECKED BY R. MACWILLIAMS

DATE 3-95

BY RALPH



LEGEND:

- ⊕ MONITOR WELL LOCATION
- ▨ SOIL BORING LOCATION
- ▲ SOIL BORING LOCATION (1995)
- △ SOIL BORING LOCATION (1995-UNDER SHED)

SOIL BORING LOCATION MAP

PROJECT: SFWMD-KISSIMMEE FIELD STATION
LOCATION: KISSIMMEE, FLORIDA
D & M JOB NO. 10582-007-024

 DAMES & MOORE
FIGURE 1

PROJECT No. 10582-021-024

DATE

CLIENT SFWMD

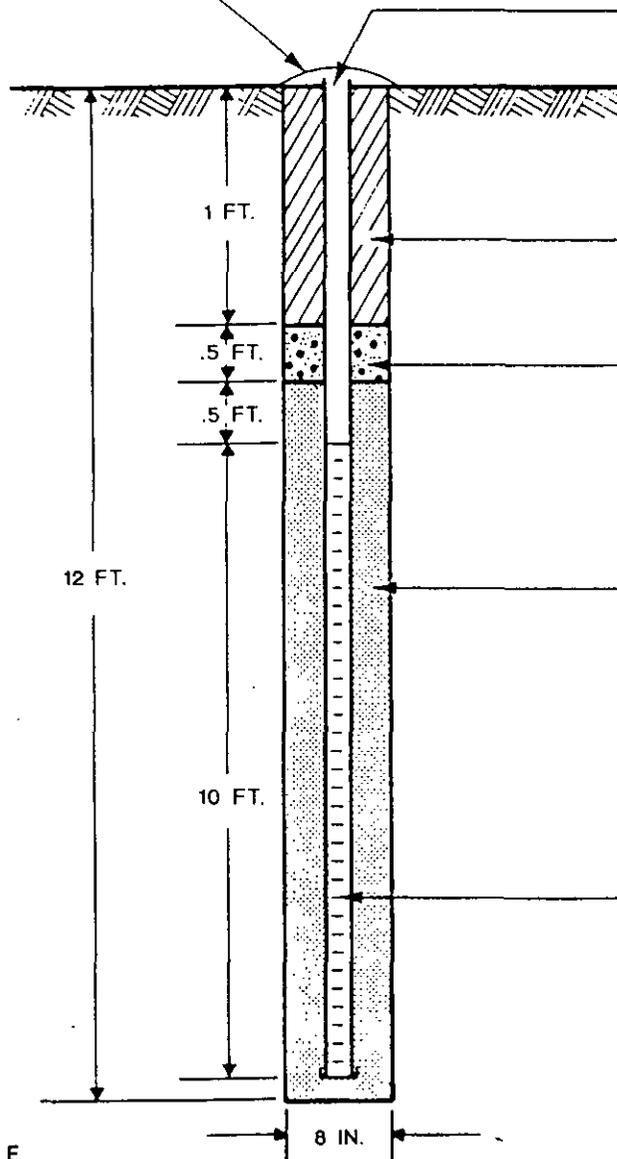
LOCATION KISSIMMEE, FLORIDA

WELL No. MW-12

OBSERVER RANDALL MURPHY

NOTES :

FLUSH MOUNTED



WELL TYPE AND SIZE

2 IN. DIA. SCHEDULE 40 PVC RISER AND SCREEN

BACKFILL

NEAT CEMENT GROUT

SEAL

BENTONITE PELLETS SEAL

FILTER

6/20 SILICA SAND FILTER PACK

WELL SCREEN

2 IN. DIA. SCHEDULE 40 PVC PIPE
0.010 SLOTTED SCREEN

NOT TO SCALE

8 IN.

CHECKED :

BY : *John 3-95*

Project : SFWMD-KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : MARCH 1995



Dames & Moore

FLORIDA

FIGURE 2

DATE

BY

AUTOCAD FILE: KISSTA3

CHECKED BY R. MACWILLIAMS

N

(71.03)
MW-9

72

(72.72)
MW-8

(72.64)
MW-1

DW-1

MW-2
(72.70)

EQUIPMENT SHED

73

ACTIVE
TANK AREA

MW-7
(72.73)

ADMINISTRATION
BUILDING

MW-10
(73.23)

SURFACE
DRAIN

(73.32)
MW-3

MW-4
(73.45)

FORMER
TANK AREA

MW-5
(73.67)

74

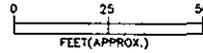
SHOP

MW-11
(74.14)

MW-12
(74.47)

ENTRANCE

BREAK ROOM
AND SHOP



LEGEND:

- ⊕ MONITOR WELL LOCATION
- DEEP MONITOR WELL LOCATION
- CONTOUR ELEVATION (Ft/MSL)
- (72.64) GROUNDWATER ELEVATION (Ft/MSL)
- ← GROUNDWATER FLOW DIRECTION

POTENTIOMETRIC SURFACE
CONTOUR MAP
February 13, 1995

PROJECT: SFWMD-KISSIMMEE FIELD STATION
LOCATION: KISSIMMEE, FLORIDA
D & M JOB NO. 10582-007-024



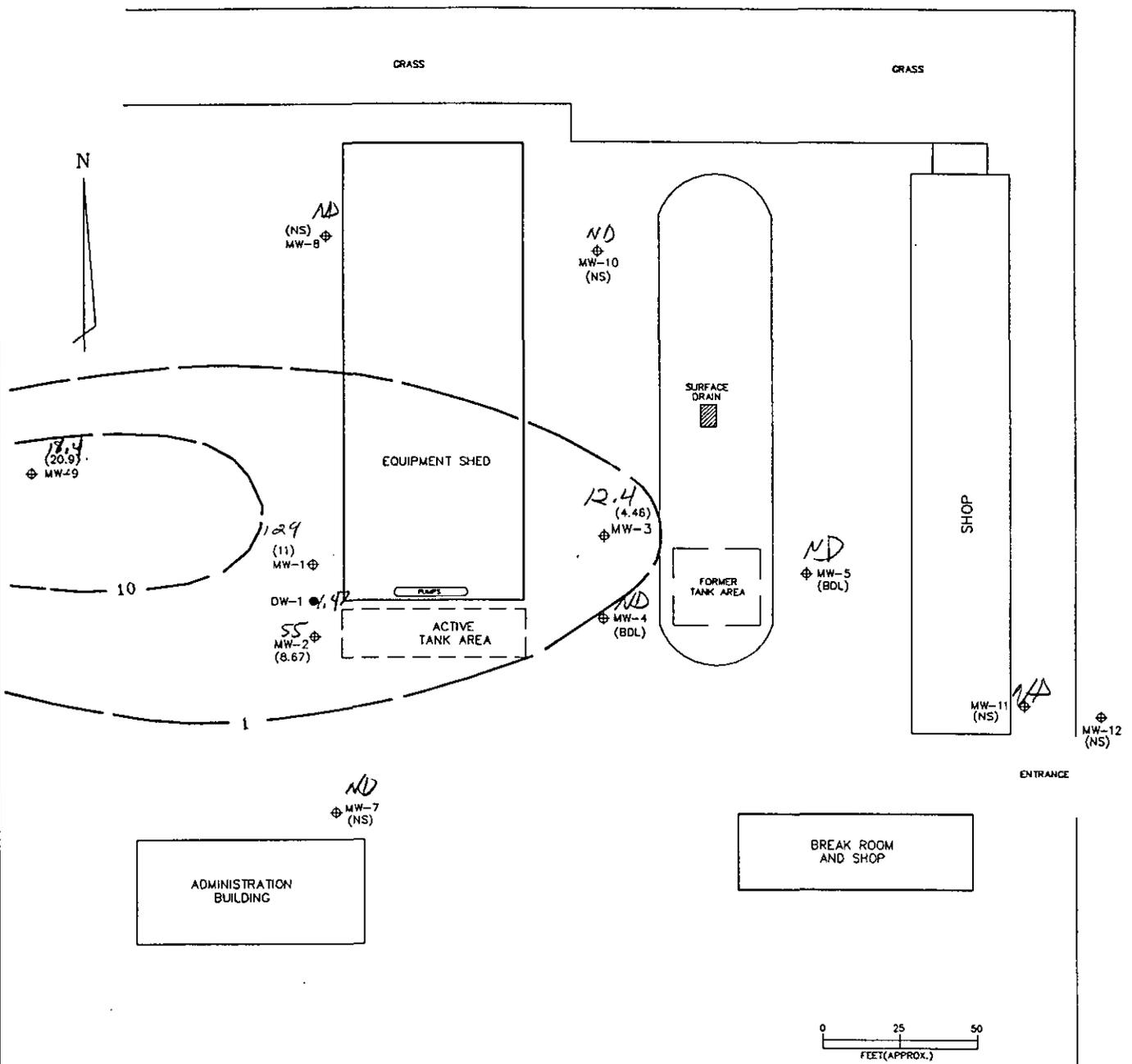
FIGURE 3

DATE

BY

AUTOCAD FILE: KISSTA2

CHECKED BY R. MACWILLIAMS



LEGEND:

- ⊕ MONITOR WELL LOCATION
- DEEP MONITOR WELL LOCATION
- ISOCONCENTRATION CONTOUR (ug/l)
- (20.9) MTBE CONCENTRATION (ug/l) 10/93
- (NS) NOT SAMPLE
- (BDL) BELOW DETECTION LIMIT

GROUNDWATER MTBE
 ISOCONCENTRATION MAP (ug/l)
 February 13, 1995

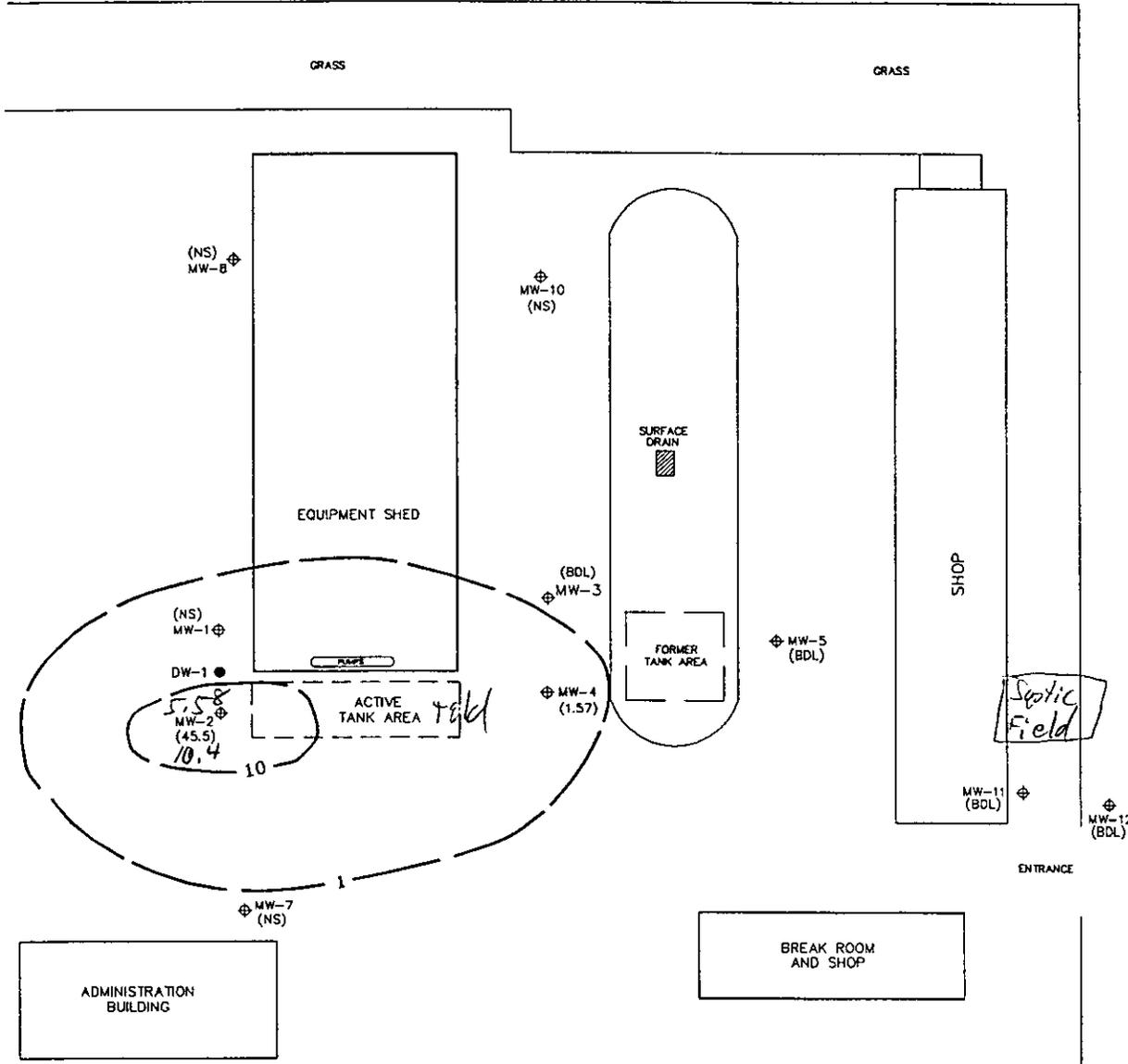
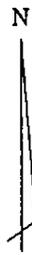
PROJECT: SFWMD-KISSIMMEE FIELD STATION
 LOCATION: KISSIMMEE, FLORIDA
 D & M JOB NO. 10582-007-024



DAMES & MOORE

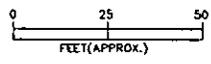
FIGURE 4

CHECKED BY R. MACWILLIAMS
 AUTOCAD FILE: KISSTA1
 BY DATE
 SIO
 Y I 3-



LEGEND:

- ⊕ MONITOR WELL LOCATION
- DEEP MONITOR WELL LOCATION
- ISOCONCENTRATION CONTOUR (ug/l)
- (45.5) 1,1-DICHLOROETHENE CONCENTRATION (ug/l)
- (NS) NOT SAMPLE
- (BDL) BELOW DETECTION LIMIT



GROUNDWATER 1,1-DICHLOROETHENE
 ISOCONCENTRATION MAP (ug/l)
 February 13, 1995

PROJECT: SFWMD-KISSIMMEE FIELD STATION
 LOCATION: KISSIMMEE, FLORIDA
 D & M JOB NO. 10582-007-024


DAMES & MOORE
 FIGURE 5



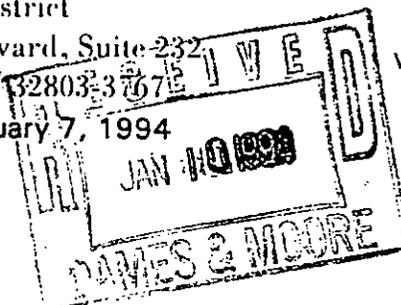
Florida Department of Environmental Protection

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

January 7, 1994



CERTIFIED
P 280-842-387

James K Sturgis, P.E.
Project Manager
South Florida Water
Management District
Post Office Box 24680
West Palm Beach, FL 33461-4680

OCD-TK-94-0009

Osceola County - TK/PC
Kissimmee Field Station
STI #498520968
Contamination Assessment Report (CAR) Review

Dear Mr. Sturgis:

The Department has reviewed the Contamination Assessment Report (CAR) received December 30, 1993 submitted for the above referenced site. The following comments must be addressed before the CAR will meet the requirements of Chapter 17-770, Florida Administrative Code (F.A.C.):

1. What is the potential off-site source cited in Section 6.2?
2. Could the solvent contamination in MWs 3, 4 and 11 be from the maintenance shop?
3. The recommendations of the consultant in Section 6.1 and 6.2 should be carried out to further determine the sources of contamination and prevent lingering levels of MTBE and solvents.
4. EPA Method 601 analyses must be continued because of the continuing presence of 1,1-Dichloroethene, 1,1-Dichloroethane, 1,4-Dichlorobenzene and Chlorobenzene.

Please respond to these comments within 30 days of receipt of this letter.

Please note, all supplemental contamination assessment related documents should be signed and sealed by a registered professional in accordance with Section 17-770.500, F.A.C. The certification should be made by a registered professional who is able to demonstrate competence in the subject area(s) addressed within the

James K Sturgis, P.E.
OCD-TK-94-0009
January 7, 1994
Page 2

sealed document.

If you have any questions concerning this review, you may contact me at (407) 894-7555.

Sincerely,

A handwritten signature in cursive script, appearing to read "Deborah B. Metrin".

Deborah B. Metrin, P.G.
Program Manager
Tanks/Petroleum Cleanup

/dbm

cc: Robert H. MacWilliams, Dames & Moore



1860 Old Okeechobee Road, Building 400
West Palm Beach, FL 33409
Tele: (407) 478-4803 Fax: (407) 478-0214

CHAIN OF CUSTODY RECORD

WORK ORDER #:

DUE DATE :

COMPANY: JAMES E MOORE
 ADDRESS: 6400 CONGRESS AVE STE 200
Boca Raton, FL 33487
 PHONE #: (407) 994-6800 FAX #: (1) 994-6814
 P.O. #: POCA 472
 PROJECT MANAGER: ROBERT McWILLIAMS
 PROJECT ID/LOCATION: KISSIMEE FIELD STATION

SAMPLE TYPE	CONTAINER TYPE	ANALYSES
2. SOIL	G - GLASS	
3. SLUDGE	V - VOA	
4. OIL		
5. DRINKING WATER		
6. WATER (GW/MW/SW)		
7. OTHER (SPECIFY)		

8202 CMLE

TOXIKON #	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER SIZE	CONTAINER TYPE	#	SAMPLING		PRESERVATIVE	COMMENTS
						DATE	TIME		
	SB-13 (2-V)	Z	6	G	6	1/30/95			
	SB-14 (2-V)	Z	6	G	6	"			
	SB-17 (0-2)	Z	6	G	6	"			
	SB-17 (2-V)	Z	6	G	6	"			
	SB-11 (2-V)	Z	6	G	6	"			
	SB-18 (2-V)	Z	6	G	6	"			
	SP-19 (2-V)	Z	6	G	6	"			
	SP-15 (2-V)	Z	6	G	6	"			

SPECIAL INSTRUCTIONS:
 RUSH BUSINESS DAY TURN AROUND
 ROUTINE
 Sample disposal information
 Are there any other known or suspected contaminants in these samples other than those listed above?
 Yes ___ No ___ If Yes, 1st Known ___

SAMPLED BY: [Signature] DATE: 1-30-95 RECEIVED BY: _____
 TIME: _____
 RELINQUISHED BY: [Signature] DATE: _____ RECEIVED BY: _____
 TIME: _____
 RELINQUISHED BY: [Signature] DATE: _____ RECEIVED FOR LAB BY: DD
 TIME: _____
 METHOD OF SHIPMENT: _____ COOLER TEMPERATURE: _____

Received: 01/31/95

02/08/95 10:57:42

REPORT DAMES AND MOORE
 TO 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487
(407)994-6500 FAX407-994-6524
 ATTN ROB McWILLIAMS

PREPARED TOXIKOM WEST PALM BEACH
 BY 1860 OLD OKEECHOBEE RD. #401
WEST PALM BEACH, FL 33409
HRS #E86278 QA# 910150G
 ATTN JOHN YAREMCHUK
 PHONE (407) 478-4803 FAX 478-0214

[Signature]
 CERTIFIED BY
 CONTACT JOHN

CLIENT DM SAMPLES 10
 COMPANY DAMES AND MOORE
 FACILITY 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487

Previously Reported on 02/02/95.

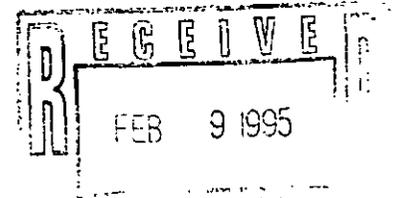
WORK ID KISSIMEE FIELD STATION
 TAKEN 1/30/95
 TRANS COURIER
 TYPE SOIL
 P.O. # BOCA 472
 INV. # 4007

SAMPLE IDENTIFICATION

TEST CODES and NAMES used on this workorder

- 01 SB-13(2-4)FEET
- 02 SB-14(2-4)FEET
- 03 SB-17(0-2)FEET
- 03 SB-17(2-4)FEET
- 04 SB-11(2-4)FEET
- 05 SB-18(2-4)FEET
- 06 SB-19(2-4)FEET
- 07 SB-15(2-4)FEET
- 08 METHOD BLANK
- 09 MEAN % RECOVERY-LCS
- 10 RPD-LCS

8020M PURGEABLE AROMATICS



SAMPLE ID SB-13(2-4)FEET FRACTION 01A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected 01/30/95 Category SOIL

PURGEABLE AROMATICS

	DETEC.	CAS
RESULT	LIMIT	NUMBER
BENZENE	<u>ND</u> <u>2.00</u>	71-43-2
TOLUENE	<u>4.09</u> <u>2.00</u>	108-88-3
ETHYLBENZENE	<u>2.47</u> <u>2.00</u>	100-41-4
CHLOROBENZENE	<u>ND</u> <u>2.00</u>	108-90-7
XYLENES (TOTAL)	<u>ND</u> <u>2.00</u>	1330-20-7
1,2-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	95-50-1
1,3-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	541-73-1
1,4-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	106-46-7
METHYL TERT BUTYL ETHER	<u>ND</u> <u>2.00</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/Kg
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID SB-14(2-4)FEET FRACTION 02A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected 01/30/95 Category SOIL

PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER
BENZENE	<u>7.41</u>	<u>2.00</u>	71-43-2
TOLUENE	<u>14.3</u>	<u>2.00</u>	108-88-3
ETHYLBENZENE	<u>ND</u>	<u>2.00</u>	100-41-4
CHLOROBENZENE	<u>ND</u>	<u>2.00</u>	108-90-7
XYLENES (TOTAL)	<u>7.48</u>	<u>2.00</u>	1330-20-7
1,2-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	95-50-1
1,3-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	541-73-1
1,4-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	106-46-7
METHYL TERT BUTYL ETHER	<u>ND</u>	<u>2.00</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/Kg
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID SB-17(0-2)FEET FRACTION Q3A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected 01/30/95 Category SOIL

PURGEABLE AROMATICS

	DETEC.	CAS
RESULT	LIMIT	NUMBER
BENZENE	<u>ND</u> <u>2.00</u>	71-43-2
TOLUENE	<u>ND</u> <u>2.00</u>	108-88-3
ETHYLBENZENE	<u>ND</u> <u>2.00</u>	100-41-4
CHLOROBENZENE	<u>ND</u> <u>2.00</u>	108-90-7
XYLENES (TOTAL)	<u>ND</u> <u>2.00</u>	1330-20-7
1,2-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	95-50-1
1,3-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	541-73-1
1,4-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	106-46-7
METHYL TERT BUTYL ETHER	<u>ND</u> <u>2.00</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/Kg
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID SB-17(2-4)FEET FRACTION 03B TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected 01/30/95 Category SOIL

PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER
BENZENE	<u>ND</u>	<u>2.00</u>	71-43-2
TOLUENE	<u>4.10</u>	<u>2.00</u>	108-88-3
ETHYLBENZENE	<u>ND</u>	<u>2.00</u>	100-41-4
CHLOROBENZENE	<u>ND</u>	<u>2.00</u>	108-90-7
XYLENES (TOTAL)	<u>ND</u>	<u>2.00</u>	1330-20-7
1,2-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	95-50-1
1,3-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	541-73-1
1,4-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	106-46-7
METHYL TERT BUTYL ETHER	<u>ND</u>	<u>2.00</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/Kg
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID SB-11(2-4)FEET FRACTION 04A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected 01/30/95 Category SOIL

PURGEABLE AROMATICS

	DETEC.	CAS
RESULT	LIMIT	NUMBER
BENZENE	<u>ND</u> <u>2.00</u>	71-43-2
TOLUENE	<u>2.86</u> <u>2.00</u>	108-88-3
ETHYLBENZENE	<u>ND</u> <u>2.00</u>	100-41-4
CHLOROBENZENE	<u>ND</u> <u>2.00</u>	108-90-7
XYLENES (TOTAL)	<u>ND</u> <u>2.00</u>	1330-20-7
1,2-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	95-50-1
1,3-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	541-73-1
1,4-DICHLOROBENZENE	<u>ND</u> <u>2.00</u>	106-46-7
METHYL TERT BUTYL ETHER	<u>ND</u> <u>2.00</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/Kg
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID SB-18(2-4)FEET FRACTION 05A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected 01/30/95 Category SOIL

PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER
BENZENE	<u>ND</u>	<u>2.00</u>	71-43-2
TOLUENE	<u>ND</u>	<u>2.00</u>	108-88-3
ETHYLBENZENE	<u>ND</u>	<u>2.00</u>	100-41-4
CHLOROBENZENE	<u>ND</u>	<u>2.00</u>	108-90-7
XYLENES (TOTAL)	<u>ND</u>	<u>2.00</u>	1330-20-7
1,2-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	95-50-1
1,3-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	541-73-1
1,4-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	106-46-7
METHYL TERT BUTYL ETHER	<u>ND</u>	<u>2.00</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/Kg
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID SB-19(2-4)FEET FRACTION 06A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected 01/30/95 Category SOIL

PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER
BENZENE	ND	2.00	71-43-2
TOLUENE	ND	2.00	108-88-3
ETHYLBENZENE	ND	2.00	100-41-4
CHLOROBENZENE	ND	2.00	108-90-7
XYLENES (TOTAL)	ND	2.00	1330-20-7
1,2-DICHLOROBENZENE	ND	2.00	95-50-1
1,3-DICHLOROBENZENE	ND	2.00	541-73-1
1,4-DICHLOROBENZENE	ND	2.00	106-46-7
METHYL TERT BUTYL ETHER	ND	2.00	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/Kg
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID SB-15(2-4)FEET FRACTION 07A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected 01/30/95 Category SOIL

PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER
BENZENE	ND	2.00	71-43-2
TOLUENE	3.52	2.00	108-88-3
EYHYLBENZENE	ND	2.00	100-41-4
CHLOROBENZENE	ND	2.00	108-90-7
XYLENES (TOTAL)	ND	2.00	1330-20-7
1,2-DICHLOROBENZENE	ND	2.00	95-50-1
1,3-DICHLOROBENZENE	ND	2.00	541-73-1
1,4-DICHLOROBENZENE	ND	2.00	106-46-7
METHYL TERT BUTYL ETHER	ND	2.00	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/Kg
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID METHOD BLANK FRACTION 08A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected not specified Category QC

PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER
BENZENE	<u>ND</u>	<u>2.00</u>	71-43-2
TOLUENE	<u>ND</u>	<u>2.00</u>	108-88-3
ETHYLBENZENE	<u>ND</u>	<u>2.00</u>	100-41-4
CHLOROBENZENE	<u>ND</u>	<u>2.00</u>	108-90-7
XYLENES (TOTAL)	<u>ND</u>	<u>2.00</u>	1330-20-7
1,2-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	95-50-1
1,3-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	541-73-1
1,4-DICHLOROBENZENE	<u>ND</u>	<u>2.00</u>	106-46-7
METHYL TERT BUTYL ETHER	<u>ND</u>	<u>2.00</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/01/95

ANALYST..... MAP

INSTRUMENT..... HP-1

UNITS..... ug/Kg

DILUTION..... 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID MEAN % RECOVERY-LCS FRACTION 09A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected not specified Category QC

PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER
BENZENE	<u>98%</u>	<u>*</u>	71-43-2
TOLUENE	<u>96%</u>	<u>*</u>	108-88-3
ETHYLBENZENE	<u>*</u>	<u>*</u>	100-41-4
CHLOROBENZENE	<u>95%</u>	<u>*</u>	108-90-7
XYLENES (TOTAL)	<u>*</u>	<u>*</u>	1330-20-7
1,2-DICHLOROBENZENE	<u>*</u>	<u>*</u>	95-50-1
1,3-DICHLOROBENZENE	<u>*</u>	<u>*</u>	541-73-1
1,4-DICHLOROBENZENE	<u>*</u>	<u>*</u>	106-46-7
METHYL TERT BUTYL ETHER	<u>*</u>	<u>*</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 01/31/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... %
DILUTION..... %
ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID RPD-LCS FRACTION 10A TEST CODE 8020M NAME PURGEABLE AROMATICS
Date & Time Collected not specified Category QC

PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER
BENZENE	0%	* 71-43-2	
TOLUENE	0%	* 108-88-3	
ETHYLBENZENE	*	* 100-41-4	
CHLOROBENZENE	1.1%	* 108-90-7	
XYLENES (TOTAL)	*	* 1330-20-7	
1,2-DICHLOROBENZENE	*	* 95-50-1	
1,3-DICHLOROBENZENE	*	* 541-73-1	
1,4-DICHLOROBENZENE	*	* 106-46-7	
METHYL TERT BUTYL ETHER	*	*	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 01/31/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... %
DILUTION..... %
ND = NOT DETECTED AT DETECTION LIMITS

Page 13

TOXIKON CORP.

REPORT

Work Order # 95-01-141

Received: 01/31/95

Test Methodology

TEST CODE 8020M NAME PURGEABLE AROMATICS

Method not available.

TOXIKON

1860 Old Okeechobee Road, Building 400
 West Palm Beach, FL 33409
 Tele: (407) 478-4803 Fax: (407) 478-0214

CHAIN OF CUSTODY RECORD

WORK ORDER #: _____
 DUE DATE: _____

COMPANY: DAWES E MOORE
 ADDRESS: 6400 CONGRESS AVE
BOCA RATON, FL 33487
 PHONE #: (407) 997-6501 FAX #: (407) 997-6524
 P.O. #: BOC 492
 PROJECT MANAGER: ROBERT MCWILLIAMS
 PROJECT ID/LOCATION: KISSIMEE, FL

TOXIKON #	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER		SAMPLING DATE	SAMPLING TIME	PRESERVATIVE	ANALYSES							COMMENTS			
			SIZE	TYPE #				1. WASTEWATER	2. SOIL	3. SLUDGE	4. OIL	5. DRINKING WATER	6. WATER (GW/MW/SW)	7. OTHER (SPECIFY)				
	MW-2	GW	6	6	2/14/95	1300		2	2									
	Dupe	GW	6	6	"	"		2	2									* 5 Barbera
	MW-9	GW	6	6	"	1216		2	2									- 1/31/95 PM
	MW-11	GW	6	6	"	1250		2	2									
	MW-1	GW	6	6	"	1438		2	2									
	MW-3	GW	6	6	"	1400		2	2									
	MW-4	GW	6	6	"	1450		2	2									
	MW-5	GW	6	6	"	1530		2	2									
	MW-12	GW	6	6	"	1600		2	2									
	Equip	GW	6	6	"	1600		2	2									
	Temp	-	-	-	-	-		1	1									Hold

SPECIAL INSTRUCTIONS:
 RUSH BUSINESS DAY TURN AROUND
 ROUTINE
 Sample disposal information
 Are there any other known or suspected contaminants in these samples other than those listed above?
 Yes _____ No _____ If Yes, 1st Known _____

SAMPLED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: DD DATE: 2-14-95 TIME: 11:30 AM RECEIVED FOR LAB BY: _____ DATE: 2-14-95 TIME: 8-10-00

RELINQUISHED BY: Robert Williams DATE: 2-14-95 TIME: 8-10-00

METHOD OF SHIPMENT: _____ COOLER TEMPERATURE: _____

REPORT DAMES AND MOORE
TO 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487
(407)994-6500 FAX407-994-6524
ATTEN ROB McWILLIAMS

PREPARED TOXIKON WEST PALM BEACH
BY 1860 OLD OKEECHOBEE RD. #401
WEST PALM BEACH, FL 33409
HRS #E86278 QA# 910150G
ATTEN JOHN YAREMCHUK
PHONE (407) 478-4803 FAX 478-0214


CERTIFIED BY
CONTACT JOHN

CLIENT DM SAMPLES 14
COMPANY DAMES AND MOORE
FACILITY 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487

WORK ID KISSIMEE, FL./BOC 492
TAKEN 02/13/95
TRANS CLIENT DROP-OFF
TYPE LIQUID
P.O. # BOC 492
INVOICE under separate cover

SAMPLE IDENTIFICATION

- 01 MW-2
- 02 DUPE
- 03 MW-9
- 04 MW-11
- 05 MW-1
- 06 MW-3
- 07 MW-4
- 08 MW-5
- 09 MW-12
- 10 EQUIP
- 11 TRIP BLANK
- 12 METHOD BLANK
- 13 MEAN % RECOVERY-LCS
- 14 RPD-LCS

TEST CODES and NAMES used on this workorder

- 601 PURGEABLE HALOCARBONS
- 601602 PURG. HALOCARBONS & AROMAT
- 602 EPA 602
- HOLD THIS SAMPLE IS ON HOLD

SAMPLE ID MW-2 FRACTION 01A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
Date & Time Collected 02/13/95 13:00:00 Category LIQUID

<u>EPA METHOD 601</u>	DETECT RESULT	CAS LIMIT	NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethane	45.5	1.00	75-35-4	34501
1,1-Dichloroethane	24.6	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	8.67	1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>02/14/95</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	<u>1</u>			
UNITS :	<u>ug/L</u>			
ND = not detected at detection limit				

SAMPLE ID DUPE FRACTION 02A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
Date & Time Collected 02/13/95 13:00:00 Category LIQUID

<u>EPA METHOD 601</u>	RESULT	DETECT LIMIT	CAS NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	46.0	1.00	75-35-4	34501
1,1-Dichloroethane	25.1	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	9.17	1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>02/14/95</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	<u>1</u>			
UNITS :	<u>ug/L</u>			
ND = not detected at detection limit				

Received: 02/14/95

Results by Sample

SAMPLE ID MM-9 FRACTION 03A TEST CODE 602 NAME EPA 602
Date & Time Collected 02/13/95 12:16:00 Category LIQUID

EPA 602 PURGEABLE AROMATICS

	DETEC.	CAS	STORET
RESULT	LIMIT	NUMBER	NUMBER
BENZENE	<u>ND</u>	<u>1.00</u>	71-43-2 34030
TOLUENE	<u>ND</u>	<u>1.00</u>	108-88-3 34010
ETHYLBENZENE	<u>ND</u>	<u>1.00</u>	100-41-4 34371
CHLOROBENZENE	<u>7.38</u>	<u>1.00</u>	108-90-7 34301
1,2-DICHLOROBENZENE	<u>ND</u>	<u>1.00</u>	95-50-1 34536
1,3-DICHLOROBENZENE	<u>ND</u>	<u>1.00</u>	541-73-1 34566
1,4-DICHLOROBENZENE	<u>3.91</u>	<u>1.00</u>	106-46-7 34571
XYLENES (TOTAL)	<u>ND</u>	<u>1.00</u>	1330-20-7
METHYL TERT BUTYL ETHER	<u>20.9</u>	<u>1.00</u>	

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/14/95

ANALYST..... MAP

INSTRUMENT..... HP-1

UNITS..... ug/L

DILUTION..... 1

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID MW-11 FRACTION 04A TEST CODE 601 NAME PURGEABLE HALOCARBONS
Date & Time Collected 02/13/95 12:50:00 Category LIQUID

PURGEABLE HALOCARBONS

	DETEC	CAS
RESULT	LIMIT	NUMBER
Chloromethane	<u>ND</u>	<u>1.00</u> 74-87-3
Bromomethane	<u>ND</u>	<u>1.00</u> 74-83-9
Vinyl Chloride	<u>ND</u>	<u>1.00</u> 75-01-4
Dichlorodifluoromethane	<u>ND</u>	<u>1.00</u> 75-71-8
Chloroethane	<u>ND</u>	<u>1.00</u> 75-00-3
Methylene Chloride	<u>ND</u>	<u>1.00</u> 75-09-2
Trichlorofluoromethane	<u>ND</u>	<u>1.00</u> 75-69-4
1,1-Dichloroethene	<u>ND</u>	<u>1.00</u> 75-35-4
1,1-Dichloroethane	<u>ND</u>	<u>1.00</u> 75-34-3
trans-1,2-Dichloroethene	<u>ND</u>	<u>1.00</u> 156-60-5
Chloroform	<u>ND</u>	<u>1.00</u> 67-66-3
1,2-Dichloroethane	<u>ND</u>	<u>1.00</u> 107-06-2
1,1,1-Trichloroethane	<u>ND</u>	<u>1.00</u> 71-55-6
Carbon tetrachloride	<u>ND</u>	<u>1.00</u> 56-23-5
Bromodichloromethane	<u>ND</u>	<u>1.00</u> 75-27-4
1,2-Dichloropropane	<u>ND</u>	<u>1.00</u> 78-87-5
Trans-1,3-Dichloropropane	<u>ND</u>	<u>1.00</u> 10061-02-6
Trichloroethene	<u>ND</u>	<u>1.00</u> 79-01-6
cis-1,3-Dichloropropene	<u>ND</u>	<u>1.00</u> 10061-01-5
1,1,2-Trichloroethane	<u>ND</u>	<u>1.00</u> 79-00-5
Dibromochloromethane	<u>ND</u>	<u>1.00</u> 124-48-1
2-Chloroethylvinyl Ether	<u>ND</u>	<u>1.00</u> 100-75-8
Bromoform	<u>ND</u>	<u>1.00</u> 75-25-2
1,1,2,2-Tetrachloroethane	<u>ND</u>	<u>1.00</u> 79-34-5
Tetrachloroethene	<u>ND</u>	<u>1.00</u> 127-18-4
Chlorobenzene	<u>16.3</u>	<u>1.00</u> 108-90-7
1,4-Dichlorobenzene	<u>14.0</u>	<u>1.00</u> 106-46-7
1,3-Dichlorobenzene	<u>ND</u>	<u>1.00</u> 541-73-1
1,2-Dichlorobenzene	<u>ND</u>	<u>1.00</u> 95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 02/14/95
INSTRUMENT HP-1
ANALYST MAP
UNITS ug/L
DILUTION _____

ND = NOT DETECTED AT DETECTION LIMITS

SAMPLE ID MW-1 FRACTION 05A TEST CODE 602 NAME EPA 602
Date & Time Collected 02/13/95 14:38:00 Category LIQUID

EPA 602 PURGEABLE AROMATICS

	RESULT	DETEC. LIMIT	CAS NUMBER	STORET NUMBER
BENZENE	<u>ND</u>	<u>1.00</u>	71-43-2	34030
TOLUENE	<u>ND</u>	<u>1.00</u>	108-88-3	34010
ETHYLBENZENE	<u>ND</u>	<u>1.00</u>	100-41-4	34371
CHLOROBENZENE	<u>1.15</u>	<u>1.00</u>	108-90-7	34301
1,2-DICHLOROBENZENE	<u>ND</u>	<u>1.00</u>	95-50-1	34536
1,3-DICHLOROBENZENE	<u>ND</u>	<u>1.00</u>	541-73-1	34566
1,4-DICHLOROBENZENE	<u>ND</u>	<u>1.00</u>	106-46-7	34571
XYLENES (TOTAL)	<u>ND</u>	<u>1.00</u>	1330-20-7	
METHYL TERT BUTYL ETHER	<u>11.0</u>	<u>1.00</u>		

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/14/95
ANALYST..... MAP
INSTRUMENT..... HP-1
UNITS..... ug/L
DILUTION..... 1
ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/14/95

Results by Sample

SAMPLE ID MW-3FRACTION 06ATEST CODE 601602NAME PURG. HALOCARBONS & AROMATDate & Time Collected 02/13/95 14:00:00Category LIQUID

<u>EPA METHOD 601</u>	RESULT	DETECT LIMIT	CAS NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	3.28	1.00	108-90-7	34301
1,4-Dichlorobenzene	5.50	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	4.46	1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>02/14/95</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	<u>1</u>			
UNITS :	<u>ug/L</u>			
ND = not detected at detection limit				

SAMPLE ID MW-4FRACTION 07ATEST CODE 601602NAME PURG. HALOCARBONS & AROMATDate & Time Collected 02/13/95 14:50:00Category LIQUID

<u>EPA METHOD 601</u>	DETECT RESULT	CAS LIMIT	NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	1.57	1.00	75-35-4	34501
1,1-Dichloroethane	1.90	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	1.18	1.00	108-90-7	34301
1,4-Dichlorobenzene	1.14	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	ND	1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>02/14/95</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	<u>1</u>			
UNITS :	<u>ug/L</u>			
ND = not detected at detection limit				

SAMPLE ID MW-5 FRACTION 08A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
 Date & Time Collected 02/13/95 15:30:00 Category LIQUID

<u>EPA METHOD 601</u>	RESULT	DETECT LIMIT	CAS NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	1.45	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	ND	1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>02/14/95</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	<u>1</u>			
UNITS :	<u>ug/L</u>			
ND = not detected at detection limit				

Received: 02/14/95

TOXIKON CORP.

REPORT

Work Order # 95-02-076

Results by Sample

SAMPLE ID MM-12FRACTION 09ATEST CODE 601NAME PURGEABLE HALOCARBONSDate & Time Collected 02/13/95 16:00:00Category LIQUID**PURGEABLE HALOCARBONS**

	RESULT	DETEC LIMIT	CAS NUMBER
Chloromethane	ND	1.00	74-87-3
Bromomethane	ND	1.00	74-83-9
Vinyl Chloride	ND	1.00	75-01-4
Dichlorodifluoromethane	ND	1.00	75-71-8
Chloroethane	ND	1.00	75-00-3
Methylene Chloride	ND	1.00	75-09-2
Trichlorofluoromethane	ND	1.00	75-69-4
1,1-Dichloroethene	ND	1.00	75-35-4
1,1-Dichloroethane	ND	1.00	75-34-3
trans-1,2-Dichloroethene	ND	1.00	156-60-5
Chloroform	ND	1.00	67-66-3
1,2-Dichloroethane	ND	1.00	107-06-2
1,1,1-Trichloroethane	ND	1.00	71-55-6
Carbon tetrachloride	ND	1.00	56-23-5
Bromodichloromethane	ND	1.00	75-27-4
1,2-Dichloropropane	ND	1.00	78-87-5
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6
Trichloroethene	ND	1.00	79-01-6
cis-1,3-Dichloropropene	ND	1.00	10061-01-5
1,1,2-Trichloroethane	ND	1.00	79-00-5
Dibromochloromethane	ND	1.00	124-48-1
2-Chloroethylvinyl Ether	ND	1.00	100-75-8
Bromoform	ND	1.00	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5
Tetrachloroethene	ND	1.00	127-18-4
Chlorobenzene	ND	1.00	108-90-7
1,4-Dichlorobenzene	ND	1.00	106-46-7
1,3-Dichlorobenzene	ND	1.00	541-73-1
1,2-Dichlorobenzene	ND	1.00	95-50-1

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 02/14/95

INSTRUMENT HP-1

ANALYST MAP

UNITS ug/L

DILUTION

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/14/95

Results by Sample

SAMPLE ID EQUIP FRACTION 10A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
 Date & Time Collected 02/13/95 16:00:00 Category LIQUID

<u>EPA METHOD 601</u>	DETECT RESULT	CAS LIMIT	NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	ND	1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	02/14/95			
ANALYST:	MAP			
INSTRUMENT:	HP-1			
DIL. FACTOR:	1			
UNITS :	ug/L			
ND = not detected at detection limit				

Received: 02/14/95

Results by Sample

SAMPLE ID <u>TRIP BLANK</u>	SAMPLE # <u>11</u> FRACTIONS: <u>A</u>
	Date & Time Collected <u>not specified</u> Category <u>LIQUID</u>
HOLD <u>-</u>	
NONE	

Received: 02/14/95

Results by Sample

SAMPLE ID METHOD BLANKFRACTION 12ATEST CODE 601602NAME PURG. HALOCARBONS & AROMATDate & Time Collected not specifiedCategory QC

<u>EPA METHOD 601</u>	RESULT	DETECT LIMIT	CAS NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	ND	1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>02/14/95</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	<u>1</u>			
UNITS :	<u>ug/L</u>			
ND = not detected at detection limit				

Received: 02/14/95

Results by Sample

SAMPLE ID MEAN % RECOVERY-LCS FRACTION 13A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
 Date & Time Collected not specified Category QC

<u>EPA METHOD 601</u>	RESULT	DETECT LIMIT	CAS NO.	STORET NO.
Chloromethane	_____	*	* 74-87-3	34418
Bromomethane	_____	*	* 74-83-9	34413
Vinyl Chloride	_____	*	* 75-01-4	39715
Dichlorodifluoromethane	_____	*	* 75-71-8	34668
Chloroethane	_____	*	* 75-00-3	34311
Methylene Chloride	_____	*	* 75-09-2	34423
Trichlorofluoromethane	_____	*	* 75-69-4	34488
1,1-Dichloroethene	<u>136 %</u>	*	* 75-35-4	34501
1,1-Dichloroethane	_____	*	* 75-34-3	34496
trans-1,2-Dichloroethene	_____	*	* 156-60-5	34556
Chloroform	_____	*	* 67-66-3	32106
1,2-Dichloroethane	_____	*	* 107-06-2	34531
1,1,1-Trichloroethane	_____	*	* 71-55-6	34506
Carbon tetrachloride	_____	*	* 56-23-5	32102
Bromodichloromethane	_____	*	* 75-27-4	32101
1,2-Dichloropropane	_____	*	* 78-87-5	34541
Trans-1,3-Dichloropropane	_____	*	* 10061-02-6	34699
Trichloroethene	<u>119 %</u>	*	* 79-01-6	39180
cis-1,3-Dichloropropene	_____	*	* 10061-01-5	34704
1,1,2-Trichloroethane	_____	*	* 79-00-5	34511
Dibromochloromethane	_____	*	* 124-48-1	32105
2-Chloroethylvinyl ether	_____	*	* 100-75-8	34576
Bromoform	_____	*	* 75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	_____	*	* 79-34-5	34516
Tetrachloroethene	_____	*	* 127-18-4	34475
Chlorobenzene	<u>99 %</u>	*	* 108-90-7	34301
1,4-Dichlorobenzene	_____	*	* 106-46-7	34571
1,3-Dichlorobenzene	_____	*	* 541-73-1	34566
1,2-Dichlorobenzene	_____	*	* 95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	<u>104 %</u>	*	* 71-43-2	34030
Toluene	<u>99 %</u>	*	* 108-88-3	34010
Ethylbenzene	_____	*	* 100-41-4	34371
Xylenes (Total)	_____	*	* 1330-20-7	
Methyl-t-Butyl Ether	_____	*	* 1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>02/14/95</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	<u>1</u>			
UNITS :	<u> %</u>			
ND = not detected at detection limit				

SAMPLE ID RPD-LCS FRACTION 14A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
Date & Time Collected not specified Category QC

<u>EPA METHOD 601</u>	RESULT	DETECT LIMIT	CAS NO.	STORET NO.
Chloromethane		*	* 74-87-3	34418
Bromomethane		*	* 74-83-9	34413
Vinyl Chloride		*	* 75-01-4	39715
Dichlorodifluoromethane		*	* 75-71-8	34668
Chloroethane		*	* 75-00-3	34311
Methylene Chloride		*	* 75-09-2	34423
Trichlorofluoromethane		*	* 75-69-4	34488
1,1-Dichloroethene	3.7 %	*	* 75-35-4	34501
1,1-Dichloroethane		*	* 75-34-3	34496
trans-1,2-Dichloroethene		*	* 156-60-5	34556
Chloroform		*	* 67-66-3	32106
1,2-Dichloroethane		*	* 107-06-2	34531
1,1,1-Trichloroethane		*	* 71-55-6	34506
Carbon tetrachloride		*	* 56-23-5	32102
Bromodichloromethane		*	* 75-27-4	32101
1,2-Dichloropropane		*	* 78-87-5	34541
Trans-1,3-Dichloropropane		*	* 10061-02-6	34699
Trichloroethene	3.4 %	*	* 79-01-6	39180
cis-1,3-Dichloropropene		*	* 10061-01-5	34704
1,1,2-Trichloroethane		*	* 79-00-5	34511
Dibromochloromethane		*	* 124-48-1	32105
2-Chloroethylvinyl ether		*	* 100-75-8	34576
Bromoform		*	* 75-25-2	75-25-2
1,1,2,2-Tetrachloroethane		*	* 79-34-5	34516
Tetrachloroethene		*	* 127-18-4	34475
Chlorobenzene	1.0 %	*	* 108-90-7	34301
1,4-Dichlorobenzene		*	* 106-46-7	34571
1,3-Dichlorobenzene		*	* 541-73-1	34566
1,2-Dichlorobenzene		*	* 95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	0.96 %	*	* 71-43-2	34030
Toluene	1.0 %	*	* 108-88-3	34010
Ethylbenzene		*	* 100-41-4	34371
Xylenes (Total)		*	* 1330-20-7	
Methyl-t-Butyl Ether		*	* 1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>02/14/95</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	<u>1</u>			
UNITS :	<u>%</u>			
ND = not detected at detection limit				

Received: 02/14/95

Test Methodology

TEST CODE 601 NAME PURGEABLE HALOCARBONS

EPA METHOD: 601 Volatile Halocarbons Compounds

Reference: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A. 40CFR Part 136. Federal Register Vol. 49, No. 209, 1984.

TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT

EPA METHOD: 601/602 Volatile Halocarbons & Aromatic Compounds

Reference: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A. 40CFR Part 136. Federal Register Vol. 49, No. 209, 1984.

TEST CODE 602 NAME EPA 602

EPA METHOD: 602 Volatile Aromatic Compounds

Reference: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A. 40CFR Part 136. Federal Register Vol. 49, No. 209, 1984.



1860 Old Okechobee Road, Building 400
West Palm Beach, FL 33409
Tele: (407) 478-4803 Fax: (407) 478-0214

CHAIN OF CUSTODY RECORD

WORK ORDER #: 95-02-076

DUE DATE: 2-20-95

COMPANY: DAMES & MOORE
 ADDRESS: 6400 CONGRESS AVE
BOCA RATON, FL 33487
 PHONE #: (407) 994-6505 FAX #: (407) 994-6524
 P.O. #: BOC 492
 PROJECT MANAGER: ROBERT MCWILLIAMS
 PROJECT ID/LOCATION: KISSIMEE, FL

ANALYSES: DD 2/14/95

TOXION #	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER		SAMPLING		PRESERVATIVE	SAMPLE TYPE	CONTAINER TYPE	ANALYSES	COMMENTS
			SIZE	TYPE #	DATE	TIME					
01	MW-2	GW	6	6	2/15/95	1300		2	Z		
02	Dupe	GW	6	6	"	"		2	Z		* S. Barber
03	MW-9	GW	6	6	"	1216		2	Z		1/31/95 PA
04	MW-11	GW	6	6	"	1250		2	Z		
05	MW-1	GW	6	6	"	1438		2	Z		
06	MW-3	GW	6	6	"	1400		2	Z		
07	MW-4	GW	6	6	"	1450		2	Z		
08	MW-5	GW	6	6	"	1530		2	Z		
09	MW-12	GW	6	6	"	1600		2	Z		
10	Equip							2	Z		
11	Temp							1	I		Hold

SPECIAL INSTRUCTIONS: RUSH BUSINESS DAY TURN AROUND
 ROUTINE
 Sample disposal information
 Are there any other known or suspected contaminants in these samples other than those listed above?
 Yes ___ No ___ If Yes, 1st Known ___

RECEIVED BY: _____ DATE: _____ TIME: _____
 RECEIVED BY: _____ DATE: _____ TIME: _____
 RECEIVED FOR LAB BY: _____ DATE: 2-14-95 TIME: 8-10-00
 COOLER TEMPERATURE: _____

SAMPLED BY: _____ DATE: _____ TIME: _____
 RELINQUISHED BY: DD DATE: 1-31-95 TIME: 11:30
 RELINQUISHED BY: Robert Williams DATE: 2-14-95 TIME: 8-10-00
 METHOD OF SHIPMENT: _____

SITE MANAGER SUMMARY REPORT

Facility ID# 498520968
Facility Name: South FI Water Mgmt Dist-Kissimmee
Facility Address: 80 S Airport Rd
Kissimmee

Discharge 1

Lead Agency: BPSS
Score: No score
Technical Status NFA

A discharge reporting form was submitted 10/89 in response to soil contamination discovered during the excavation and removal of three underground storage tanks. An IRA was completed 10/89 where approximately 225 tons of contaminated soils were removed. A Preliminary Contamination Assessment Report was submitted and deemed incomplete 1/91. Additional PCAR information was submitted and approved 2/91 which also included approval of "monitoring only" quarterly sampling for one year. Monitoring was performed from 6/91 through 3/93. A 6/93 letter stated that the District plans to perform a contamination assessment since several parameters were still being detected above target levels. A Contamination Assessment Report was submitted 12/93 and deemed incomplete 1/94. A Supplemental Site Assessment Report was submitted 4/95 and deemed incomplete 6/95. Groundwater Analytical Results for Monitoring Well MW-2 was submitted 5/95 and deemed incomplete 6/95. A Response to 6/95 Comments was submitted 6/95 and approved 8/95. The discharge was granted No Further Action status 8/1/95. Groundwater Analytical Results for Monitoring Wells MW-2, MW-3, MW-4, MW-5 & MW-11 was submitted 1/96 and approved 4/96.

LCAR Needed No Eligibility Info
Discharge Date: 10/4/89
Program: No Program
Eligibility Status: No Eligibility Info Available
Determination Date:
Discharge Combined: No
Funding Cap: NA
Deductible Amount: NA
Deductible Paid: NA

AMOUNT SPENT

State Cleanup	NA
Utility Invoices	NA
NPDES Permits	NA
Reimbursement	NA
Preapproval	NA

CAP AMOUNT REMAINING NA

SEE ATTACHED STCM REPORT SCREEN

REVIEWED BY	York STB, Inc.
REVIEWER	Kristin Kelly
DATE	10/13/04

Task Report Information											
Del. #	W.O #	Co.	Facility	Discharge Date	Task Name	Report Type	Due Date	Received	Status	Comment & Date	
		49	8520968	10.04/1989	SA	SAR		01/07/1991	I	01/08/1991	
		49	8520968	10.04/1989	SA	SARA		02/15/1991	A	02/21/1991	MOI
		49	8520968	10.04/1989	SA	LETTER		05/15/1995	I	06/08/1995	GRC
		49	8520968	10.04/1989	SA	SAR		12/30/1993	I	01/07/1994	
		49	8520968	10.04/1989	SA	RESPON		06/18/1995	A	06/01/1995	
		49	8520968	10.04/1989	RA	NA QTR	01/04/1992	03/31/1992			3RD
		49	8520968	10.04/1989	RA	NA QTR	01/01/1992	12/31/1991			2ND
		49	8520968	10.04/1989	RA	NA QTR	09/01/1991	09/18/1991	C	09/23/1991	1ST
		49	8520968	10.04/1989	RA	NA QTR	05/14/1992	05/14/1992	C	05/28/1992	4TH
		49	8520968	10.04/1989	RA	NA QTR	03/17/1993	03/17/1993			5TH
		49	8520968	10.04/1989	RA	NA QTR	04/14/1993	04/14/1993			6TH
		49	8520968	10.04/1989	SA	SSA	04/10/1995	04/10/1995	I	06/08/1995	
		49	8520968	10.04/1989	SA	LETTER	01/29/1996	01/29/1996	A	04/02/1996	GRC

Tab to "Comment", then press [Ctrl+E] to enter Comments.

Chapter 62 770 Source Removal Task Information					
Facility	49 / 3520968	Name	SOUTH FL WATER MGMT DIST-KISSIMMEE		
Discharge Date	10/04/1989		80 S AIRPORT RD		
Combined With			KISSIMMEE	FL 34741	
Discharge	1 of 1				
Cleanup Responsible	RP	Funding Eligibility Type	Actual Cost	Completion Date	
				10/09/1989	
Source Removal Notification					
Oral Date		Soil Removal	<input checked="" type="checkbox"/>	Soil Treatment	<input checked="" type="checkbox"/>
Written Date	10/09/1989	Free Product Removal	<input type="checkbox"/>	Other Treatment	
		Soil Tonnage Removed	225		
Alternative Procedure					
Received	Status & Date	Explanation / Comments			

Kelly, Kristin

From: Drewey_Pridgen@doh.state.fl.us
Sent: Monday, October 18, 2004 10:44 AM
To: Kelly, Kristin
Cc: grant.willis@dep.state.fl.us
Subject: RE: Document request for facility id 498520968

Kristin,
We never worked on this site from this office as this site received an NFA prior to our opening. I may have received the file from the Central DEP office with this requested document but I took all the completed files I received and shipped them to the file room at the Tallahassee DEP office. Please let me know if you have any questions. It is not necessary to address me as Mr. Pridgen although I do appreciate the consideration of my longevity.
Thanks,
Hamp

-----Original Message-----

From: Kelly, Kristin [mailto:Kristin.Kelly@york-claims.com]
Sent: Friday, October 15, 2004 3:45 PM
To: Pridgen, Hamp
Subject: Document request for facility id 498520968

Mr. Pridgen,
I am employed by York STB, Inc. We have been contracted by the FDEP to QA their petroleum cleanup files. Occasionally, there will be documents missing from these files and not scanned in OCULUS. It is our responsibility to obtain copies of these documents to complete the FDEP file. Therefore I have attached a document request form outlining the documents missing. If you have these documents, please mail a copy to:

Kristin Kelly
York, STB, Inc.
1310 B Cross Creek Circle
Tallahassee, FL 32301

We must wait 30 days for the requested documents. If the requested documents are not received within that time, Document Not Available sheets are put in the file in place of the missing documents. Please call me if you have any questions at (850) 671-6351.

<<498520968.doc>>

Thank you,
Kristin Kelly
Environmental Specialist
York STB, Inc.
1310 Cross Creek Circle, Suite B
Tallahassee, FL 32301
Direct: (850) 671-6351
Fax: (850) 224-3388

Memo

1310 B Cross Creek Circle
Tallahassee, Florida 32301
850/224-2599
FAX 850/224-3388

To: **Leila Shuffler**
From: **Kristin Kelly KR**
Date: **10/18/04**
Re: **Facility ID# 498520968**

As of 10/18/04 the following document could not be located:

Site Assessment Report review comments letter dated 1/8/91

Document Request Form

Person Requesting Kristin Kelly

Date Requested 10/13/04

Facility ID# 498520968 Facility Name South Fl Water Mgmt Dist-Kissimmee

Document Requested _____ **Date** 10/18/04

REPORT:

LETTERS:

SAR review comments letter

dated 1/8/91 DNA



Lawton Chiles
Governor

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
January 7, 1994

Virginia B. Wetherell
Secretary

CERTIFIED
P 280-842-387

James K Sturgis, P.E.
Project Manager
South Florida Water
Management District
Post Office Box 24680
West Palm Beach, FL 33461-4680

OCD-TK-94-0009

Osceola County - TK/PC
Kissimmee Field Station
STI #498520968
Contamination Assessment Report (CAR) Review

Dear Mr. Sturgis:

The Department has reviewed the Contamination Assessment Report (CAR) received December 30, 1993 submitted for the above referenced site. The following comments must be addressed before the CAR will meet the requirements of Chapter 17-770, Florida Administrative Code (F.A.C.):

1. What is the potential off-site source cited in Section 6.2?
2. Could the solvent contamination in MWs 3, 4 and 11 be from the maintenance shop?
3. The recommendations of the consultant in Section 6.1 and 6.2 should be carried out to further determine the sources of contamination and prevent lingering levels of MTBE and solvents.
4. EPA Method 601 analyses must be continued because of the continuing presence of 1,1-Dichloroethene, 1,1-Dichloroethane, 1,4-Dichlorobenzene and Chlorobenzene.

Please respond to these comments within 30 days of receipt of this letter.

Please note, all supplemental contamination assessment related documents should be signed and sealed by a registered professional in accordance with Section 17-770.500, F.A.C. The certification should be made by a registered professional who is able to demonstrate competence in the subject area(s) addressed within the

James K Sturgis, P.E.
OCD-TK-94-0009
January 7, 1994
Page 2

sealed document.

If you have any questions concerning this review, you may contact me at (407) 894-7555.

Sincerely,

A handwritten signature in cursive script, appearing to read "Deborah B. Metrin".

Deborah B. Metrin, P.G.
Program Manager
Tanks/Petroleum Cleanup

/dbm

cc: Robert H. MacWilliams, Dames & Moore

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DISTRICT
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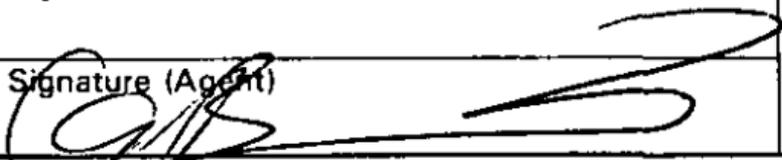
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CONTAMINATION ASSESSMENT REPORT
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
KISSIMMEE FIELD STATION
80 HOAGLAND BOULEVARD
DER FACILITY NO. 498520968
KISSIMMEE, FLORIDA

JOB NO.: 10582-007-024
DATED: DECEMBER 17, 1993

 **DAMES & MOORE**

BOCA RATON, FLORIDA



6400-A CONGRESS AVENUE, SUITE 2500, BOCA RATON, FLORIDA 33487
(407) 994-6500 FAX: (407) 994-6524

December 17, 1993

Mr. James K. Sturgis, P.E.
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Florida 33416

**CONTAMINATION ASSESSMENT REPORT
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
KISSIMMEE FIELD STATION
80 HOAGLAND BOULEVARD
DER FACILITY NO. 498520968
KISSIMMEE, FLORIDA**

Dear Mr. Sturgis:

1.0 INTRODUCTION

Dames & Moore is pleased to present this Contamination Assessment Report (CAR) on behalf of the South Florida Water Management District (SFWMD) for the Kissimmee Field Station located at 80 Hoagland Boulevard, Kissimmee, Florida. A site vicinity map is presented in Figure 1. This report has been prepared at the request of Mr. James K. Sturgis, of the SFWMD, and is in accordance with the SFWMD letter to the Florida Department of Environmental Protection (FDEP), dated June 11, 1993. A copy of the June 11, 1993 letter is provided in Appendix A.

Site background information was obtained by review of previous environmental assessments and monitoring reports for the Kissimmee Field Station, provided to Dames & Moore by the SFWMD. These documents included the Preliminary Contamination Assessment Report (PCAR), dated December, 1990, prepared by Groundwater Technology, Inc., and Quarterly Status Reports, dated August 30, 1991 and March 9, 1993, prepared under the approved Monitoring Only Plan (MOP), submitted by the International Technology Corporation.



South Florida Water Management District

December 17, 1993

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2.0 BACKGROUND

On October 4, 1989, two 2,000-gallon steel underground storage tanks (UST's) were excavated and removed from the subject site. These tanks were located immediately south of the equipment/vehicle shed, where the active tanks are currently located, and contained diesel fuel and unleaded gasoline (see Figure 2). During the UST excavation, approximately 260 cubic yards of petroleum contaminated soils were excavated, stockpiled and removed from the site. Those soils removed exhibited petroleum hydrocarbon head space readings greater than 10 parts per million (ppm).

Two 4,000-gallon fiberglass UST's, containing diesel fuel and unleaded gasoline, were subsequently installed and are currently still in use in this location. This area is labelled the "active tank area" and its location is shown in Figure 2.

Additionally; on November 6, 1989, one 2,000-gallon diesel UST, one 1,500-gallon gasoline UST, and one 280-gallon diesel UST were excavated and removed from the site. During the excavation, approximately 1 cubic yard of "excessively contaminated" soil was excavated, stockpiled and removed from the site. These tanks were located in the southern portion of a grassy area, between the equipment/vehicle shed and the shop, approximately 70 feet east of the "active tank area". This area is referred to as the "former tank area" and its location is shown in Figure 2.

In November 1990, at the request of the SFWMD, Groundwater Technology, Inc., performed a Preliminary Contamination Assessment at the Kissimmee field station to determine if the surficial aquifer had been impacted by petroleum hydrocarbons. Analytical results, provided in the PCAR, prepared by Groundwater Technology, Inc., dated December 1990, indicated levels of benzene and methyl tert-butyl ether (MTBE) in the groundwater slightly above the cleanup criteria of 1 ug/l (benzene) and 50 ug/l (MTBE), as defined in FAC 17-770. Complete analytical results can be found in the above mentioned PCAR.

In March 1991, a MOP was submitted for the SFWMD Kissimmee field station and approved by the FDEP. Quarterly groundwater sampling began at the end of July 1991 and initially consisted of analysis for constituents listed under the Kerosene and Mixed Product Analytical



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Page 3

Group, as requested by the FDEP. Laboratory analytical results indicated the presence of volatile halocarbons as well as volatile aromatics in the groundwater. The levels detected were below the target levels established under the approved monitoring program, with the exception of monitor well MW-5, which contained 13 micrograms per liter (ug/l) of 1,1-dichloroethene, above the Primary Drinking Water Standard of 7 ug/l, established under FAC 17-550. With the detection of the above listed parameters, the sampling criteria was modified by the FDEP for quarterly groundwater analysis using EPA Methods 601 and 602.

In June of 1993, the SFWMD informed the FDEP, in a letter dated June 11, 1993, that due to continual exceedences of the established target levels during the six quarters of groundwater sampling, the SFWMD would initiate a contamination assessment to; (1) define the extent of MTBE contamination in soil and groundwater, (2) confirm the source of MTBE contamination, including integrity of existing fuel storage system, and (3) determine background concentrations of purgeable halocarbons.

In July 1993, the SFWMD retained Dames & Moore to perform a contamination assessment, to meet the above listed objectives, with the exception of performing an integrity test of the existing fuel storage system. The SFWMD informed Dames & Moore, in their letter dated July 19, 1993, that the District will test the tanks and monitor fuel lines to confirm that they meet tank tightness regulations.

3.0 OBJECTIVE

The objective of the contamination assessment was to: (1) evaluate the aerial and vertical extent of MTBE contamination in the groundwater, (2) evaluate the presence of residual petroleum contaminated soils acting as a source for petroleum contaminated groundwater, and (3) evaluate the aerial extent and source of purgeable halocarbons in the groundwater.

4.0 SCOPE OF WORK

The above stated objectives were achieved by performing the following tasks:

4.1 Task 1 - Monitoring Well Installation

During the week of October 8, 1993, Dames & Moore observed the installation of one deep and five shallow monitoring wells at the Kissimmee field station. The wells were installed by Subsurface Testing & Drilling, Inc. of Port St. Lucie, Florida, using 8-inch diameter hollow stem flight augers. The deep well was constructed of 2-inch diameter, schedule 40 PVC riser with a five foot, 0.01-inch slotted PVC screen, and installed to a depth of 25 feet below grade. The shallow wells were similarly constructed with the exception of the use of a ten foot screen and an installation depth of approximately 13 feet below grade, where the screen would bifurcate the water table. The wells were finished with locking PVC caps within flush mounted well housings and concrete pads. Each well was developed using a centrifugal pump until the water was deemed clear and free of drilling sediment.

The new shallow wells were labelled MW-7 to MW-11, sequentially from the last identification of the six previously installed compliance/observation wells. The existing compliance/observation wells MW-1 to MW-6 were installed to a depth of approximately 13 feet below grade. The deep well was labelled DW-1. A well location map is provided as Figure 2. Well construction details for MW-7 through MW-11, and DW-1 are provided in Appendix B.

Soil cuttings generated during the drilling were screened with a Flame Ionization Detector (FID) to monitor total volatile organic vapor content. A summary table of head space readings is provided as Table 1. During the drilling, a soil sample was collected from well location DW-1, from a depth of 2 to 4 feet below grade, and submitted for laboratory analysis of total petroleum hydrocarbons (TRPH). Sample analytical results, received by Dames & Moore on October 20, 1993, indicated the presence TRPH at 181 milligrams per kilogram (mg/kg).

4.2 Task 2 - Soil Borings

During the week of October 8, 1993, Dames & Moore hand augured 8 borings to the top of the water table, approximately 4 feet in depth, to evaluate the presence of residual soil contamination acting as a source for the MTBE contaminated groundwater. Soil borings SB-1 through SB-4

were located around the perimeter of the Former Tank Area, and soil borings SB-5 through SB-8 were located around the perimeter of the Active Tank Area (Figure 3). Soil samples were collected every 2 feet and screened with the FID. A summary of head space readings is provided as Table 1. Soil collected from boring location SB-5 (0 to 2 feet) was submitted for laboratory analysis of TRPH. Sample analytical results, received by Dames & Moore on October 20, 1993, indicated the presence of TRPH at 41.5 mg/kg.

4.3 Task 3 - Site Hydrogeology

The Kissimmee Field Station is located within the Osceola Plain region of peninsular Florida, bounded by the Lake Wales Ridge, to the west, and the Eastern Valley, to the east. Regional geology consists of the surficial Caloosahatchee Formation, which is comprised of medium to fine grained quartz sands and carbonates with varying amounts of silty fines. The Caloosahatchee Formation is approximately 75 feet thick beneath the site and unconformably overlies the phosphatic carbonates and siliciclastics of the Hawthorn Group. The Hawthorn Group is approximately 75 feet thick and acts as a semi-confining unit between the surficial aquifer and the Floridan Aquifer, which is the principle aquifer in Osceola County.

Local site geology was evaluated during the well installations. The shallow deposits generally consist of dark brown to gray medium-fine grained sand (0 to 4 feet below grade) grading finer with depth to a brown fine sand with silty fines (4 to 25 feet below grade).

On October 12, 1993, monitoring wells MW-1 through MW-5, MW-7 through MW-11 and DW-1 were surveyed for top-of-casing (TOC) well elevations, based on an existing site benchmark elevation of 77.65 feet (monitor well MW-6 was destroyed by on-site heavy equipment and was not surveyed). Depth to water measurements were taken on October 12, 1993, from TOC, by Dames & Moore staff. This data was used to prepare the Groundwater Contour Map, which is presented as Figure 4. As evident in the figure, groundwater flow is towards the west at an approximate hydraulic gradient of 0.008 ft/ft. A summary of water level information is presented in Table 2. A copy of the survey map provided by Atlantic Surveying, Inc., is attached in Appendix C.

To evaluate site hydraulic conductivity, variable head tests were performed on monitor wells MW-9, MW-11 and DW-1 on October 12, 1993. The tests were performed by instantaneously removing a volume of water from the well and recording the rising water levels over time during the well recovery. A Hermit Data Logger and pressure transducer were used to record the changes in water levels. The Bouwer and Rice slug test method for unconfined aquifers (1976) was used to calculate the hydraulic conductivities for each well tested. The following hydraulic conductivity values (k) were calculated:

<u>Well I.D.</u>	<u>(k) in cm/sec</u>	<u>(k) in ft/day</u>
MW-9	2.17E-04	6.16E-01
MW-11	3.09E-04	8.75E-01
DW-1	2.51E-04	7.12E-01

Using the hydraulic conductivity values established above, the seepage velocity could be determined using the following variation of Darcy's law; where,

$$velocity (v) = permeability(k) * gradient(i) / porosity(n)$$

Using an estimated coefficient of porosity (n) of 0.30, for a fine grained sand with little silt, a calculated gradient (i) of .008 ft/ft, and an average permeability (k) of 0.7 ft/day, the seepage velocity was calculated to be 0.02 ft/day or 6.6 ft/yr.

The recovery plots, formulas and recovery data, used for the above hydraulic conductivity calculations, are included in Appendix D.

4.4 Task 4 - Groundwater Sampling and Analytical Results

On October 12, 1993, Dames & Moore sampled monitor wells MW-1 through MW-5, MW-7 through MW-11, and DW-1 to obtain current groundwater quality. In order to evaluate the persistence of MTBE contamination in the groundwater, samples collected from monitor wells MW-1, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9 and DW-1 were submitted for laboratory analysis using EPA Method 602 (volatile aromatics). In addition, samples were submitted from

each monitor well sampled for laboratory analysis using EPA Method 601 to evaluate the lateral and upgradient extent of purgeable halocarbon groundwater contamination. One duplicate sample was collected from monitor well MW-7, and one equipment blank sample was collected and analyzed for both EPA Methods 601 and 602 for quality assurance/quality control. All samples were collected in accordance with Dames & Moore's approved Comprehensive Quality Assurance Plan (ComQAP) Number 880658G.

Groundwater analytical results were received by Dames & Moore on October 20, 1993. MTBE was detected in monitor wells MW-1 through MW-3, MW-9 and DW-1. Chlorobenzene was detected in monitor wells MW-3, MW-4, MW-9 and MW-11. 1,4-dichlorobenzene was detected in monitor wells MW-3 through MW-5, MW-8, MW-9 and MW-11. Analytical results of groundwater collected from monitor well MW-2 indicated the presence of 1,1-dichloroethene and 1,1-dichloroethane. A groundwater analytical results summary table for samples collected on October 12, 1993, is provided as Table 3. Complete laboratory analytical reports are provided in Appendix E.

5.0 CONCLUSIONS

5.1 *Soil*

Head space analysis of the soil samples collected from the soil boring and the well locations, were evaluated with a FID, in accordance with guidelines established in FAC 17-770. Results, as provided in Table 2, indicate headspace readings ranging from 0 to 45 ppm, below the criteria defined under FAC 17-770 for excessively contaminated soils of 50 ppm (diesel) and 500 ppm (gasoline). Soil analytical results from samples collected on October 6-7, 1993, indicate the presence of petroleum contaminated soil (TRPH) above the water table at locations SB-5 at 41.5 mg/kg and DW-1 at 181 mg/kg. There is no established MCL for TRPH under FAC 17-770 "Petroleum Contamination Site Cleanup Criteria".

5.2 Groundwater

Groundwater analytical results for October 12, 1993, indicated elevated levels of the following analytical parameters:

1. **MTBE** - MTBE was detected in monitor wells MW-1, MW-2, MW-3, MW-9 and DW-1. A MTBE isoconcentration contour map for October 12, 1993, is provided as Figure 4. Under guidelines established by the FDER in their memo titled "No Further Action and Monitoring Only Guidelines for Petroleum Contaminated Sites", dated October 1990, a "no further action" recommendation requires that levels of MTBE not exceed 50 ug/l. Current groundwater analytical data for MTBE falls under "monitoring only" status where the source well cannot exceed 1000 ug/l and the perimeter wells not exceed 50 ug/l. A MTBE isoconcentration contour map for October 12, 1993, is provide as Figure 5.
2. **1,1-Dichloroethene** - 1,1-Dichloroethene was detected in monitor well MW-2. The Drinking Water Standards, defined under FAC 17-550, lists the maximum contaminant level (MCL) for 1,1-Dichloroethene as 7.0 ug/l. Monitor well MW-2 exhibited a value of 5.58 ug/l, slightly below the established MCL.
3. **1,1-Dichloroethane, 1,4-Dichlorobenzene, Chlorobenzene** - 1,1-Dichloroethane, 1,4-Dichlorobenzene and Chlorobenzene were detected in monitor wells MW-2, MW-3, MW-4, MW-5, MW-8, MW-9 and MW-11. Groundwater guidance concentrations, established by the FDER in 1989, list guidance concentrations for 1,1-Dichloroethane as 2,400 ug/l. The MCL's for 1,4-Dichlorobenzene and Chlorobenzene are 75 ug/l and 100 ug/l respectively. Groundwater analytical results for the October 12, 1993 sampling event, are below the guidance concentrations or MCL for these parameters. A 1,4-Dichlorobenzene concentration map for October 12, 1993, is provide as Figure 6. It should be noted that the greatest concentration of 1,4-Dichlorobenzene was detected in upgradient monitor well MW-11.

6.0 RECOMMENDATIONS

6.1 Soils

Soil analytical results detected TRPH ranging from 41.5 mg/kg to 181 mg/kg at locations SB-5 and DW-1 respectively. The only present guidelines established for TRPH are under FAC 17-775, for soil thermal treatment facilities. There are no guidelines for TRPH under FAC 17-770 regarding the cleanup criteria for petroleum contaminated sites. However, these analytical results do indicate the presence of residual petroleum contamination in the soils, above the water table, that may continue to impact the groundwater.

Head space results, provided in Table 1.0, indicate levels of detected petroleum hydrocarbon vapors ranging between 1.0 ppm and 45 ppm. Even though these levels are below the target levels defined for "excessively contaminated soils", under FAC 17-770, these soils may still produce harmful leachate depending on the solubility of the petroleum contaminant. The FDEP "Guidelines for Assessment and Remediation of Petroleum Contaminated Soils", dated May 1992, suggests that soils with petroleum hydrocarbon vapor concentrations ranging between 10 ppm and 50 ppm may require remediation depending on the apparent impact on the groundwater. Because MTBE is one of the most water soluble constituents associated with petroleum products, it will leach readily from soils into the groundwater. This leachate production can be generated by rain infiltration through contaminated soils as well as seasonal fluctuations in the water table.

Levels of MTBE detected in the groundwater on October 12, 1993, are greatest in the immediate vicinity of those soils exhibiting the highest head space readings (DW-1 and SB-5). It is Dames & Moore's opinion, that the petroleum contaminated soils on site are continuing to leach into the groundwater and may be the cause of the continued persistence of the MTBE groundwater plume. Therefore, it is Dames & Moore's recommendation that further investigation into the extent of petroleum contaminated soils is warranted. Once the extent has been evaluated, the petroleum contaminated soils should be excavated and properly disposed of.

South Florida Water Management District
December 17, 1993
Page 10

6.2 Groundwater

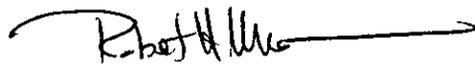
Based upon current groundwater analytical results, the MOP should continue in the former UST area and the active UST area. Groundwater samples should be collected on a quarterly basis from wells MW-1, MW-3, MW-5 and MW-9 and analyzed using EPA Method 602 (MTBE).

Based upon the established groundwater flow direction towards the west and the detection of the highest levels of 601 constituents in the upgradient monitor well (MW-11), a strong potential exists that off-site groundwater contamination is migrating on-site. That could be confirmed if a monitor well were installed to the east of MW-11, off-site, and analyzed using EPA Method 601, or if data on the adjacent site becomes available. However, groundwater monitoring should continue at wells MW-11 and MW-3 for EPA Method 601, in conjunction with the petroleum MOP, to allow the SFWMD to monitor if conditions on site deteriorate as a result of the apparent off-site contamination.

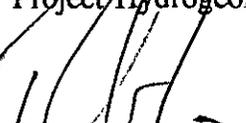
Historical groundwater analytical data, provided in the Quarterly Status Reports, indicates periods where 1,1-dichloroethene has been detected above the State MCL of 7 ug/l. The source of the volatile halocarbon contamination is unknown. Site use to the east of the field station may be a potential source of the groundwater contamination to the site.

Dames & Moore appreciates the opportunity of providing our services on this project. If you have any questions, please don't hesitate to contact us.

Respectfully Submitted,
DAMES & MOORE, INC.



Robert H. MacWilliams, P.G.
Project Hydrogeologist


Robert G. Cooper
Associate

RHM/RGC

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Table 1.0
Headspace Summary Table
Kissimmee Field Station
October 6-7, 1993

<u>Well/ Boring I.D.</u>	<u>Corrected FID Readings</u>	
	<u>(0 - 2')</u>	<u>(2' - 4')</u>
SB-1	BDL	14.0
SB-2	BDL	BDL
SB-3	30.0	20.0
SB-4	BDL	BDL
SB-5	45.0	12.0
SB-6	17.0	10.0
SB-7	BDL	9.0
SB-8	BDL	4.0
MW-7	1.0	BDL
MW-8	1.0	31.0
MW-9	3.0	BDL
MW-10	BDL	BDL
MW-11	BDL	BDL
DW-1	14.0	30.0

Corrected values = (total headspace) - (headspace w/ methane filter)

Table 2.0
Groundwater Elevation Summary Table
Kissimmee Field Station
South Florida Water Management District
October 12, 1993

<u>Well Number</u>	<u>Top-of-casing Elevation</u> <u>in feet-msl</u>	<u>Measured Depth</u> <u>to Water (ft)</u>	<u>Water Elevation</u> <u>in feet-msl</u>
MW-1	76.07	4.68	71.39
MW-2	76.01	4.61	71.40
MW-3	75.97	3.85	72.12
MW-4	75.96	3.83	72.13
MW-5	75.85	3.41	72.44
MW-6	Well Destroyed		
MW-7	76.20	4.89	71.31
MW-8	76.53	4.85	71.68
MW-9	74.96	3.88	71.08
MW-10	76.23	4.12	72.11
MW-11	77.74	5.00	72.74
DW-1	76.28	4.91	71.37

msl = mean sea level

D&M File:rhmsfwm/kssmwlv.wk3

Table 3.0
Groundwater Analytical Results Summary Table
Kissimmee Field Station
October 12, 1993

Parameter (in ug/l) EPA Method 601	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	DW-1	DUP	MCL
1,1-Dichloroethene	ND	5.58	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	7.0
1,1-Dichloroethane	ND	8.79	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	2400*
Chlorobenzene	ND	ND	6.97	4.74	ND	NS	ND	ND	4.22	ND	2.58	ND	ND	100
1,4-Dichlorobenzene	ND	ND	7.81	1.7	1.09	NS	ND	1.76	3.2	ND	8.89	ND	ND	75
EPA Method 602														
MTBE	129	55	12.4	ND	ND	NS	ND	ND	18.4	ND	NS	1.47	ND	50.0

MCL = Maximum Contaminant Level

ND = Not Detected

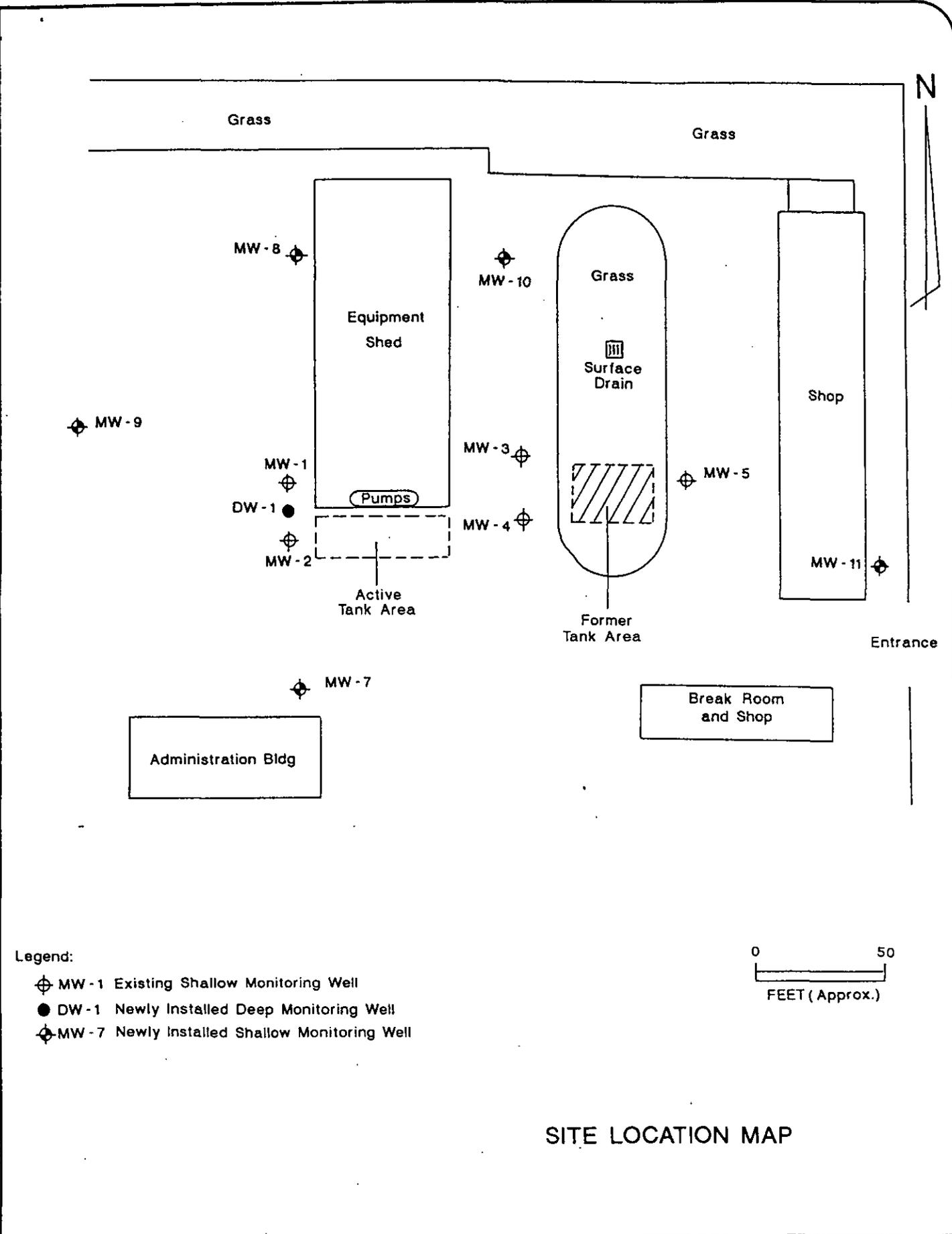
NS = Not Sampled

MTBE = Methyl-tert-butyl ether

NL = Not Listed

* = FDER Groundwater Guidance Concentration

N



CHECKED :

BY : *[Signature]* 11/93

Legend:

- ⊕ MW-1 Existing Shallow Monitoring Well
- DW-1 Newly Installed Deep Monitoring Well
- ⊕ MW-7 Newly Installed Shallow Monitoring Well



SITE LOCATION MAP

Project : SFWMD-KISSIMMEE FIELD STATION

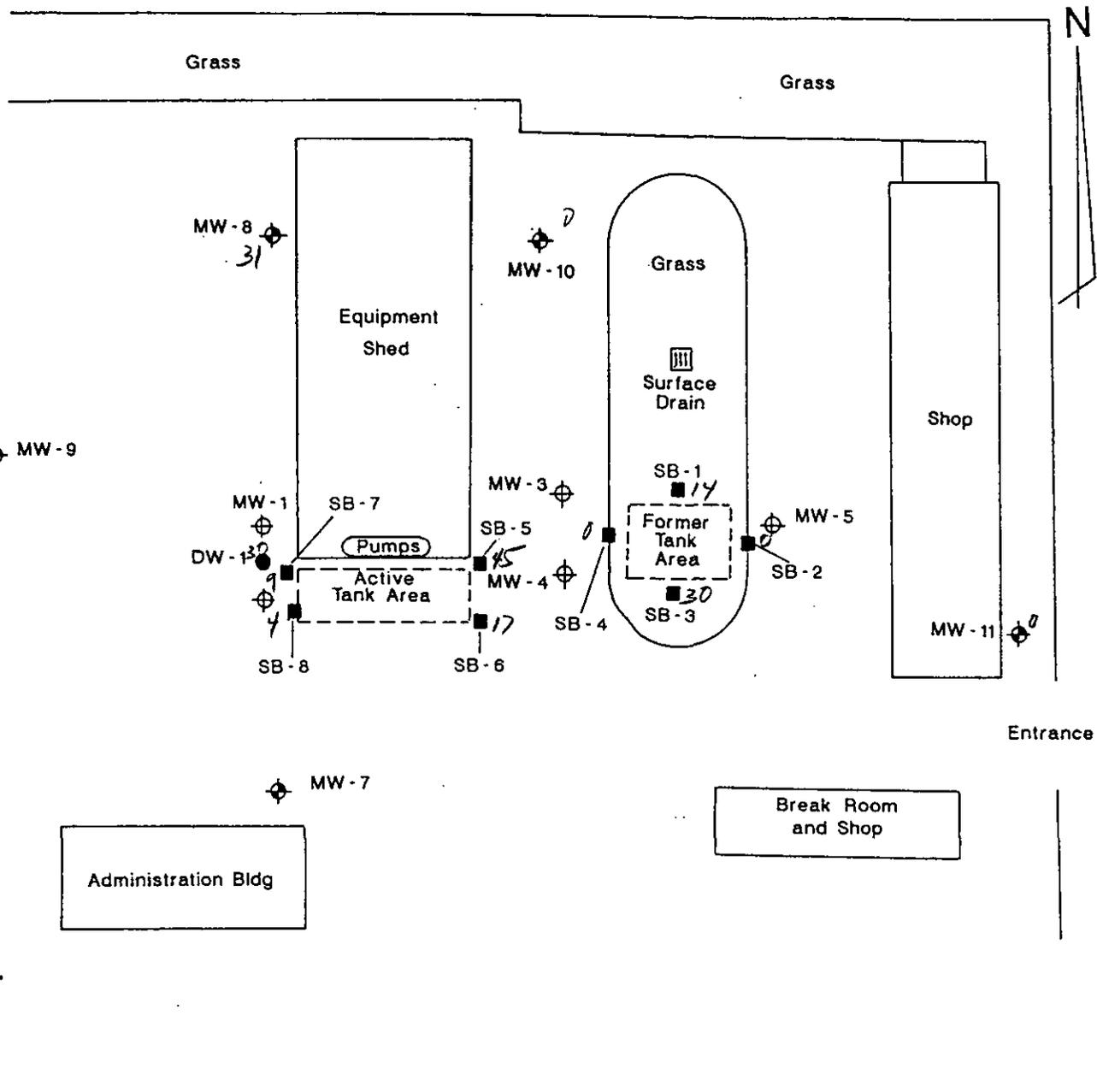
Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV. 1993



FIGURE 2

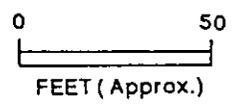


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BY : *[Signature]* 11/93

Legend:

- ⊕ MW - 1 Existing Shallow Monitoring Well
- DW - 1 Newly Installed Deep Monitoring Well
- SB - 1 Soil Boring Location
- ⊕ MW - 7 Newly Installed Shallow Monitoring Well



SOIL BORING LOCATION MAP

Project : SFWMD-KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV. 1993

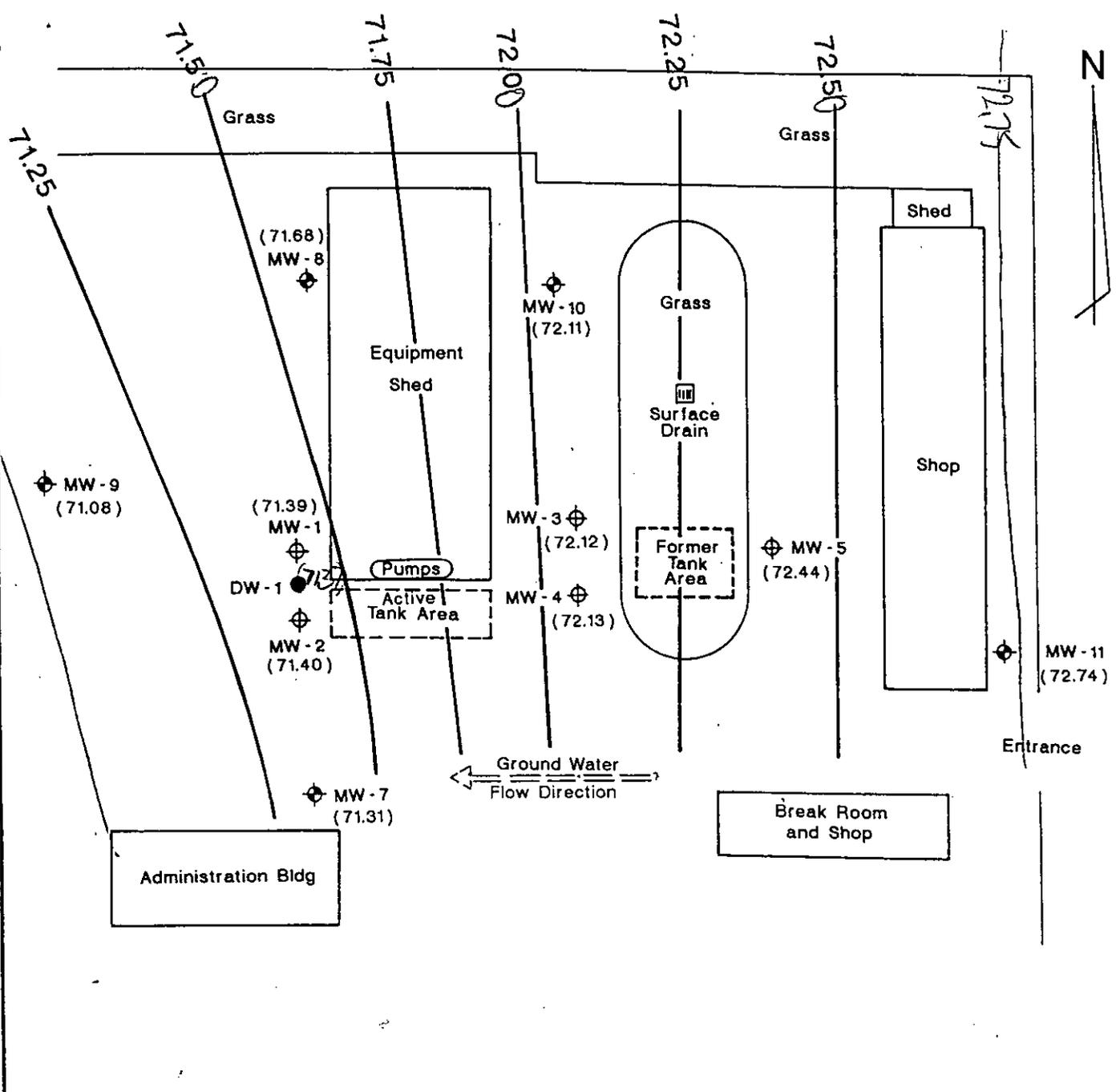


FIGURE 3

71.00

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- Legend :
- ⊕ MW-1 Existing Shallow Monitoring Well
 - DW-1 Newly Installed Deep Monitoring Well
 - Contour Elevation (in Ft., MSL)
 - (71.31) Groundwater Elevation (in Ft., MSL)
 - ⊕ MW-7 Newly Installed Shallow Monitoring Well

POTENTIOMETRIC SURFACE CONTOUR MAP
Shallow Wells October 12, 1993

Project : SFWMD-KISSIMMEE FIELD STATION
 Location: KISSIMMEE, FLORIDA
 Job No. 10582-007-024

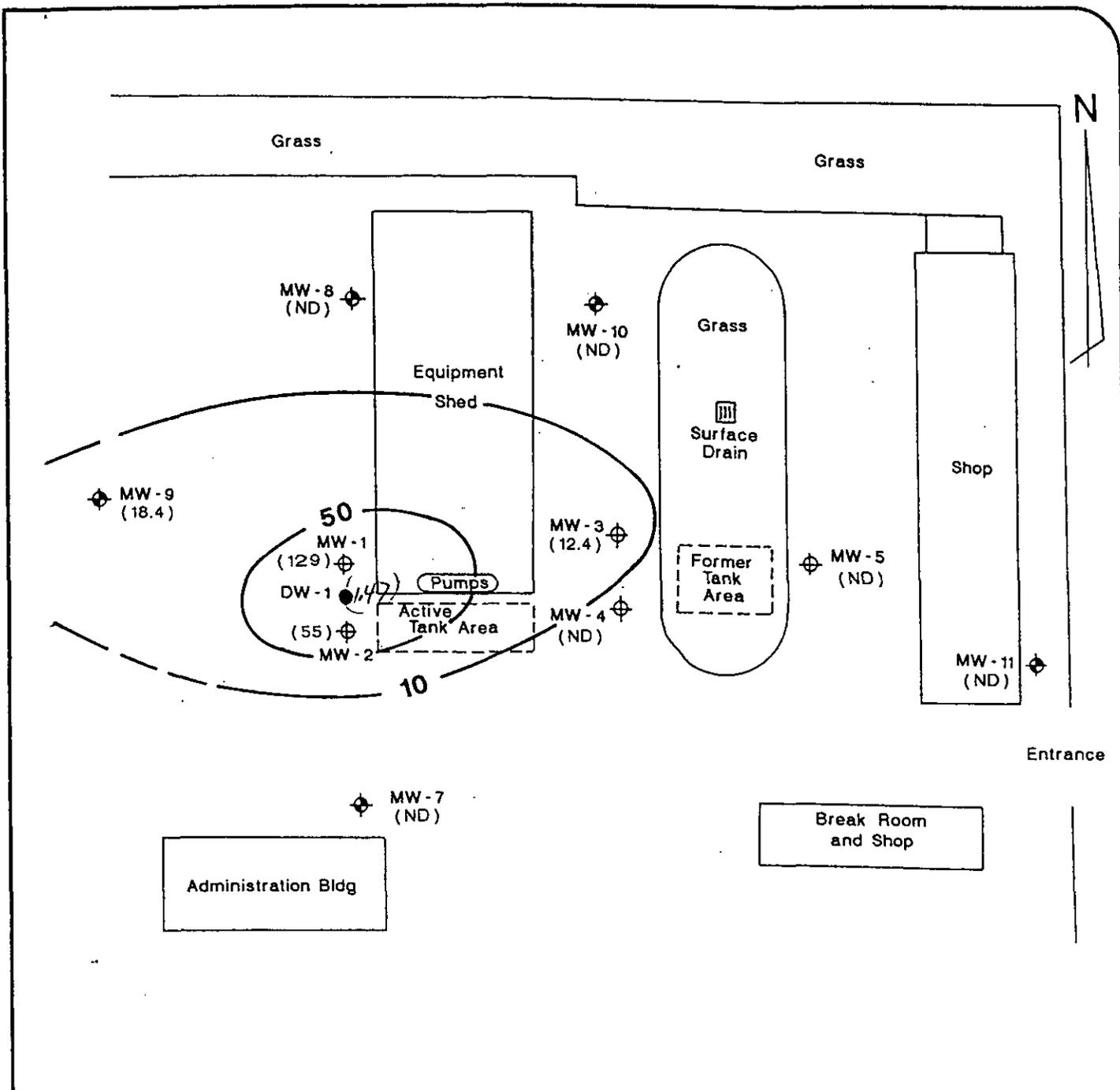


Date : OCT 1993

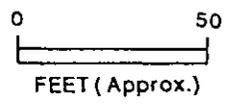
FIGURE 4

CHECKED :

BY : *[Signature]*



- Legend:
- ⊕ MW - 1 Existing Shallow Monitoring Well
 - DW - 1 Newly Installed Deep Monitoring Well
 - 50 — Isoconcentration Contour Level (in ug/l)
 - (55) Isoconcentration Level (in ug/l)
 - ⊕ MW - 7 Newly Installed Shallow Monitoring Well



Note: MW-6 Destroyed

**MTBE ISOCONCENTRATION
CONTOUR MAP (ug/l)**
October 12, 1993

Project : SFWMD-KISSIMMEE FIELD STATION
 Location: KISSIMMEE, FLORIDA
 Job No. 10582-007-024

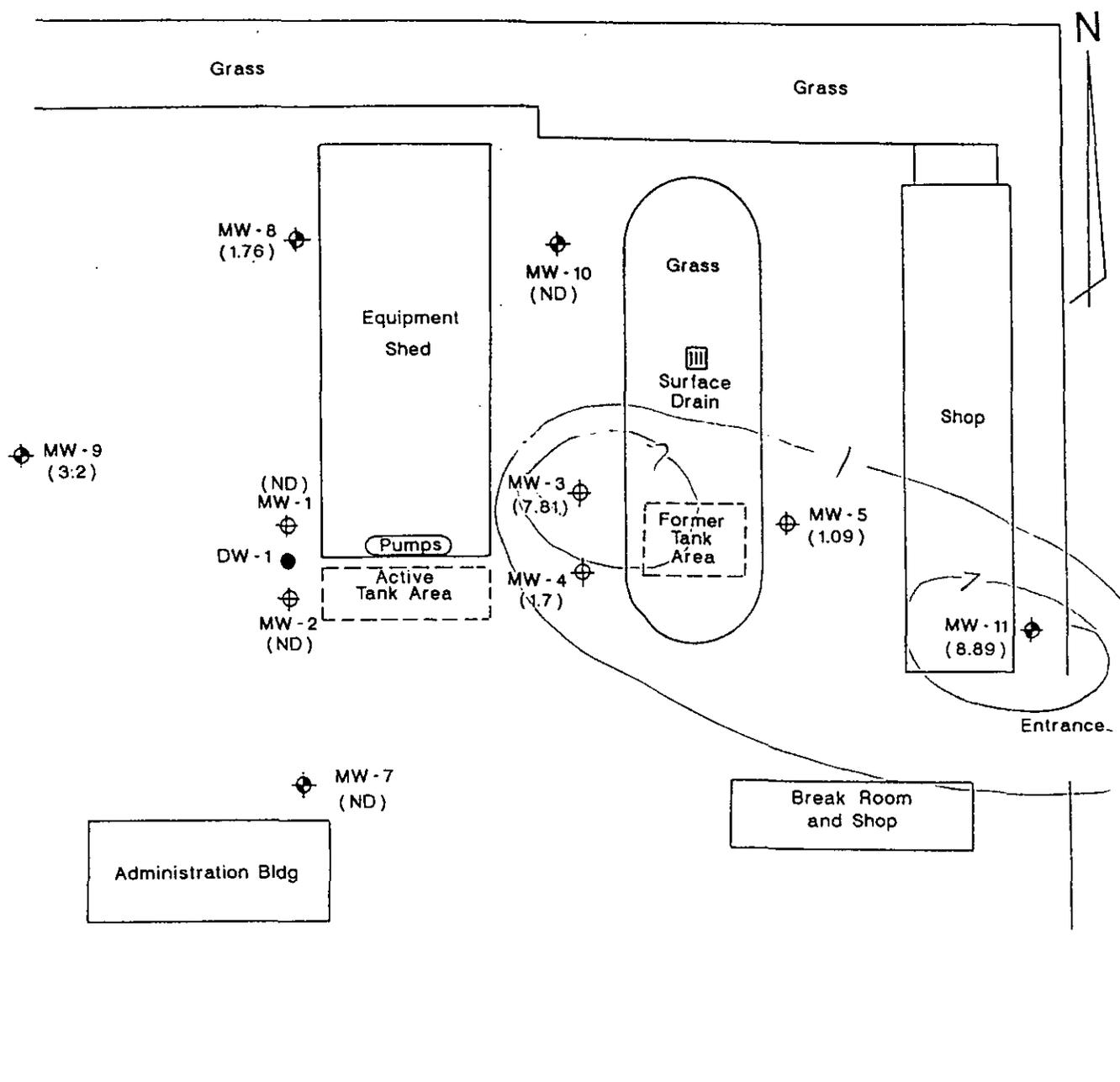
Date : OCT 1993



FIGURE 5

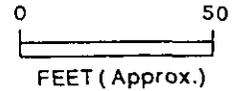
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BY : *pk/gh/10/93*



Legend:

- ⊕ MW - 1 Existing Shallow Monitoring Well
- DW - 1 Newly Installed Deep Monitoring Well
- (1.76) Isoconcentration Level (in ug/l)
- MW - 7 Newly Installed Shallow Monitoring Well



Note: Highest level detected at upgradient well MW - 11

**1,4-DICHLOROBENZENE DETECTED
CONCENTRATION MAP (ug/l)
October 12, 1993**

Project : SFWMD-KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : OCT 1993

 **Dames & Moore**
FLORIDA

FIGURE 6



South Florida Water Management District

3501 Gun Club Road • P.O. Box 24680 • West Palm Beach, FL 33411-4680 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 14

June 11, 1993

Ms. Deborah Metrin
 Florida Department of
 Environmental Regulation
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767

Dear Ms. Metrin:

Subject: Fifth and Sixth Quarter Monitoring Reports for Kissimmee Field Station;
 DER Fac. #498520968

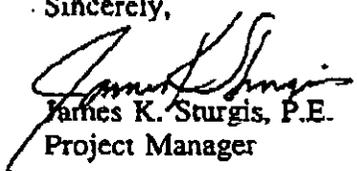
I have enclosed a copy of the fifth and sixth quarterly status reports for monitoring that was performed on December 7, 1992 and March 31, 1993. Since several parameters are still being detected above target levels, the District plans to perform a contamination assessment to determine the following:

1. Define the extent of Methyl tert-Butyl Ether (MTBE) contamination in soil and groundwater.
2. Confirm the source of MTBE contamination including integrity of existing fuel storage system.
3. Determine upgradient (background) concentrations of purgeable halocarbons including 1,1 dichloroethene and chlorobenzene (EPA Method 601).

We expect to begin the contamination assessment field work by July.

After you have reviewed the report, please call me at (407) 687-6288 to discuss the results of the monitoring program and our proposed contamination assessment.

Sincerely,


 James K. Sturgis, P.E.
 Project Manager

JKS/js

Enclosure

Governing Board:
 Valerie Boyd, Chairman
 Frank Williamson, Jr., Vice Chairman
 Annie Betancour:

William Hammond
 Betsy Krant
 Allan Willodge

Eugene K. Pettis
 Nathaniel P. Reed
 Leah G. Schad

Tilford C. Creel, Executive Director
 Thomas K. MacVicar, Deputy Executive Director

PROJECT No. 10582-003-024

DATE 10-6-93

CLIENT SFWMD KISSIMMEE FIELD STATION

LOCATION KISSIMMEE, FLORIDA

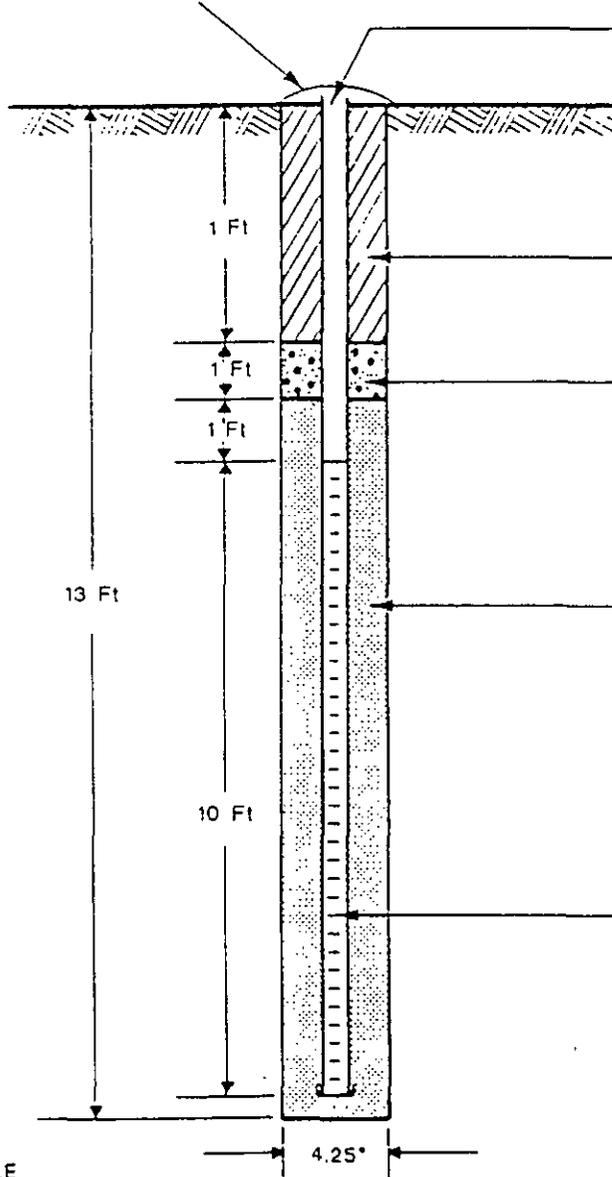
WELL No. MW-7

OBSERVER R. MURPHY

NOTES : HOLLOW STEM METHOD

WATER LEVEL AT 3.5 FT DEPTH

FLUSH MOUNTED



WELL TYPE AND SIZE

2 IN. DIAMETER SCHEDULE 40 PVC PIPE

BACKFILL

PORTLAND GROUT

SEAL

BENTONITE PELLETS

FILTER

6/20 SILICA SAND

WELL SCREEN

2 IN. DIAMETER SCHEDULE 40 PVC
0.015 IN. SLOTTED

CHECKED :

BY : *[Signature]*

NOT TO SCALE

Project : SFWMD KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV 1993

Dames & Moore
FLORIDA

FIGURE

PROJECT No. 10582-003-024

DATE 10-6-93

CLIENT SFWMD KISSIMMEE FIELD STATION

LOCATION KISSIMMEE, FLORIDA

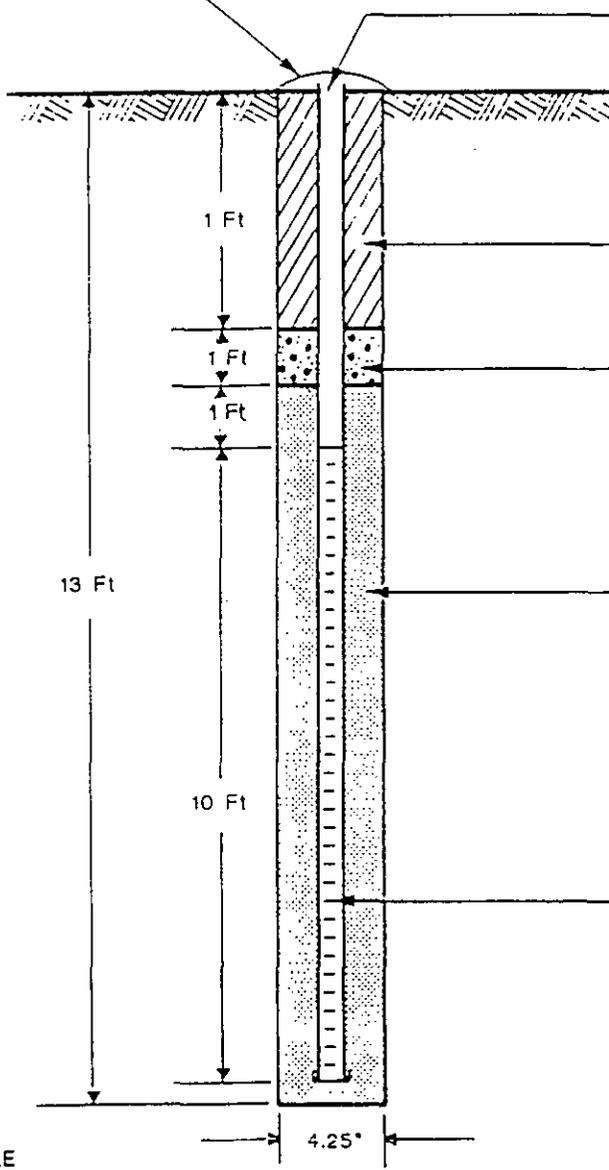
WELL No. MW-8

OBSERVER R. MURPHY

NOTES : HOLLOW STEM METHOD

WATER LEVEL AT 3.5 FT DEPTH

FLUSH MOUNTED



WELL TYPE AND SIZE

2 IN. DIAMETER SCHEDULE 40 PVC PIPE

BACKFILL

PORTLAND GROUT

SEAL

BENTONITE PELLETS

FILTER

6/20 SILICA SAND

WELL SCREEN

2 IN. DIAMETER SCHEDULE 40 PVC
0.015 IN. SLOTTED

NOT TO SCALE

4.25"

CHECKED :

BY : 10/14/93

Project : SFWMD KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV 1993

Dames & Moore
FLORIDA

FIGURE

PROJECT No. 10582-003-024

DATE 10-6-93

CLIENT SFWMD KISSIMMEE FIELD STATION

LOCATION KISSIMMEE, FLORIDA

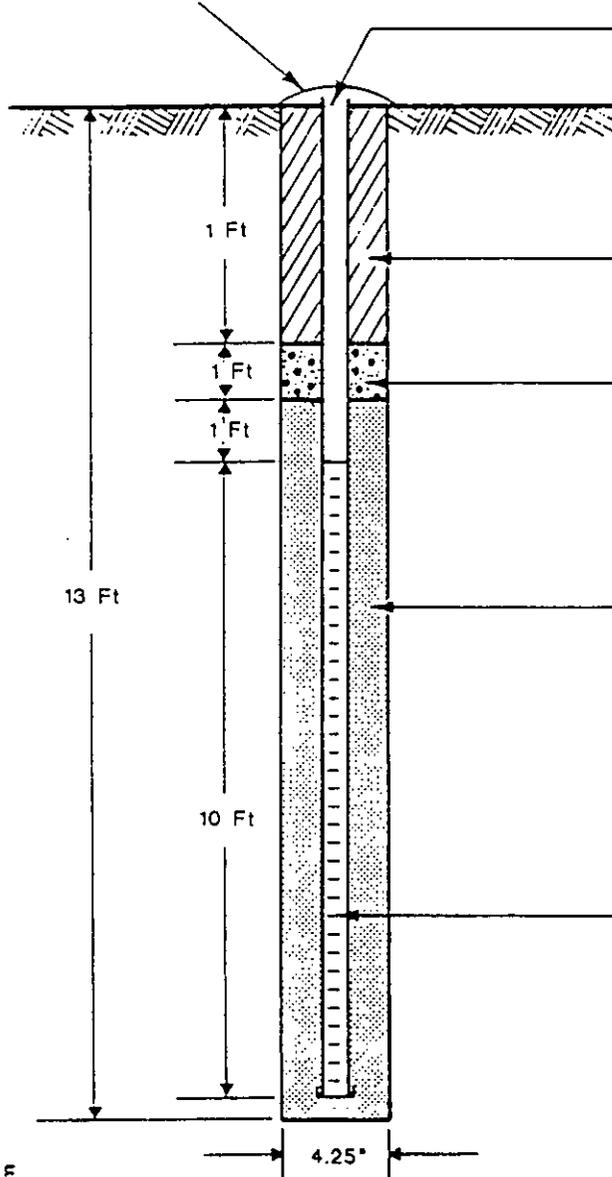
WELL No. MW-9

OBSERVER R. MURPHY

NOTES : HOLLOW STEM METHOD

WATER LEVEL AT 3.5 FT DEPTH

FLUSH MOUNTED



WELL TYPE AND SIZE

2 IN. DIAMETER SCHEDULE 40 PVC PIPE

BACKFILL

PORTLAND GROUT

SEAL

BENTONITE PELLETS

FILTER

6/20 SILICA SAND

WELL SCREEN

2 IN. DIAMETER SCHEDULE 40 PVC
0.015 IN. SLOTTED

NOT TO SCALE

CHECKED :

BY : *[Signature]* 10/14/93

Project : SFWMD-KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV 1993

Dames & Moore
FLORIDA

FIGURE

PROJECT No. 10582-003-024

DATE 10-6-93

CLIENT SFWMD KISSIMMEE FIELD STATION

LOCATION KISSIMMEE, FLORIDA

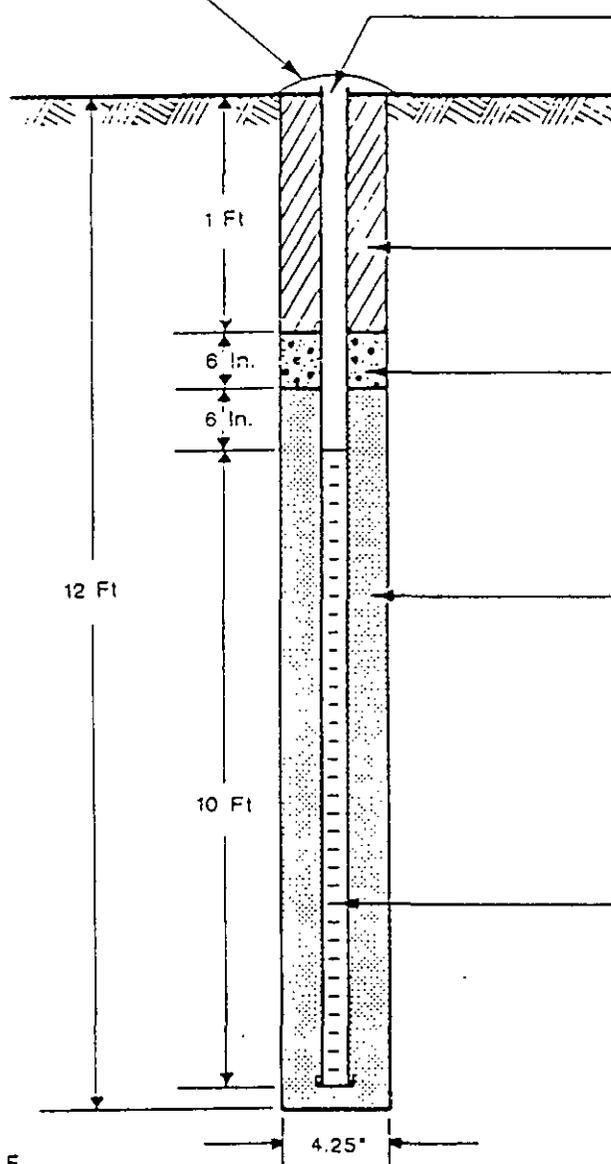
WELL No. MW-10

OBSERVER R. MURPHY

NOTES: HOLLOW STEM METHOD

WATER LEVEL AT 3.5 FT DEPTH

FLUSH MOUNTED



WELL TYPE AND SIZE

2 IN. DIAMETER SCHEDULE 40 PVC PIPE

BACKFILL

PORTLAND GROUT

SEAL

BENTONITE PELLETS

FILTER

6/20 SILICA SAND

WELL SCREEN

2 IN. DIAMETER SCHEDULE 40 PVC
0.015 IN. SLOTTED

NOT TO SCALE

CHECKED :

BY : *10/16/93*

Project : SFWMD KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV 1993

Dames & Moore
FLORIDA

FIGURE

PROJECT No. 10582-003-024

DATE 10-6-93

CLIENT SFWMD KISSIMMEE FIELD STATION

LOCATION KISSIMMEE, FLORIDA

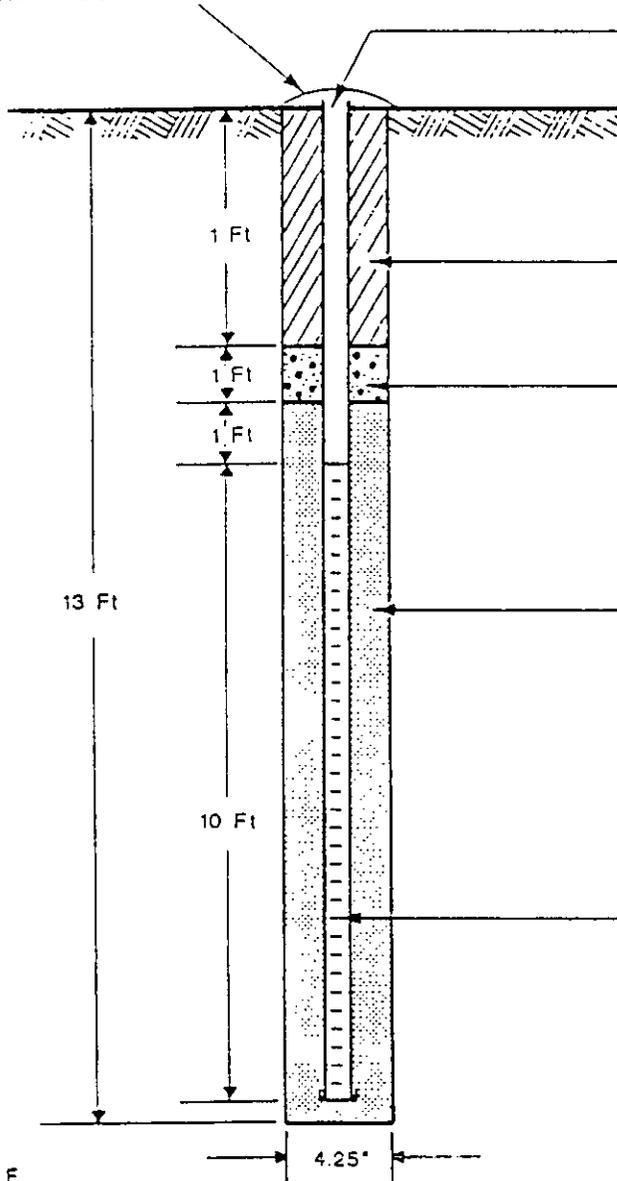
WELL No. MW-11

OBSERVER R. MURPHY

NOTES : HOLLOW STEM METHOD

WATER LEVEL AT 3.5 FT DEPTH

FLUSH MOUNTED



WELL TYPE AND SIZE

2 IN. DIAMETER SCHEDULE 40 PVC PIPE

BACKFILL

PORTLAND GROUT

SEAL

BENTONITE PELLETS

FILTER

6/20 SILICA SAND

WELL SCREEN

2 IN. DIAMETER SCHEDULE 40 PVC
0.015 IN. SLOTTED

CHECKED :

BY : *[Signature]*

Project : SFWMD KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV 1993

Dames & Moore
FLORIDA

FIGURE

PROJECT No. 10582-003-024

DATE 10-6-93

CLIENT SFWMD KISSIMMEE FIELD STATION

LOCATION KISSIMMEE, FLORIDA

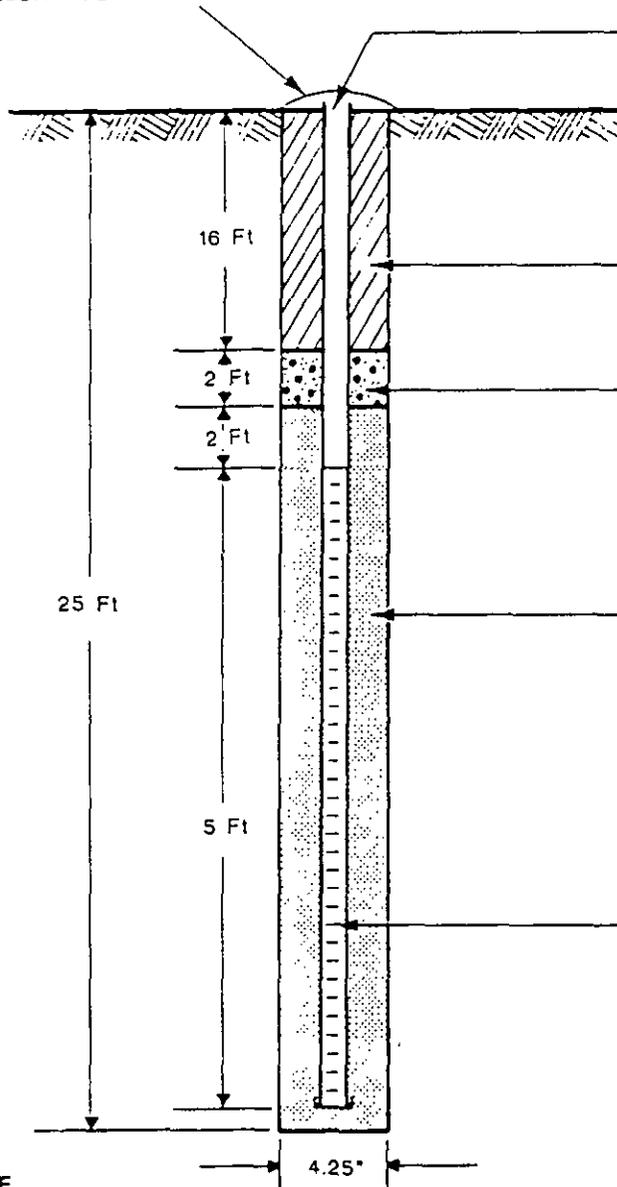
WELL No. DW-1

OBSERVER R. MURPHY

NOTES : HOLLOW STEM METHOD

WATER LEVEL AT 3.5 FT DEPTH

FLUSH MOUNTED



WELL TYPE AND SIZE

2 IN. DIAMETER SCHEDULE 40 PVC PIPE

BACKFILL

PORTLAND GROUT

SEAL

BENTONITE PELLETS

FILTER

6/20 SILICA SAND

WELL SCREEN

2 IN. DIAMETER SCHEDULE 40 PVC
0.015 IN. SLOTTED

NOT TO SCALE

4.25"

CHECKED :

BY : *[Signature]*

Project : SFWMD KISSIMMEE FIELD STATION

Location: KISSIMMEE, FLORIDA

Job No. 10582-007-024

Date : NOV 1993



Dames & Moore

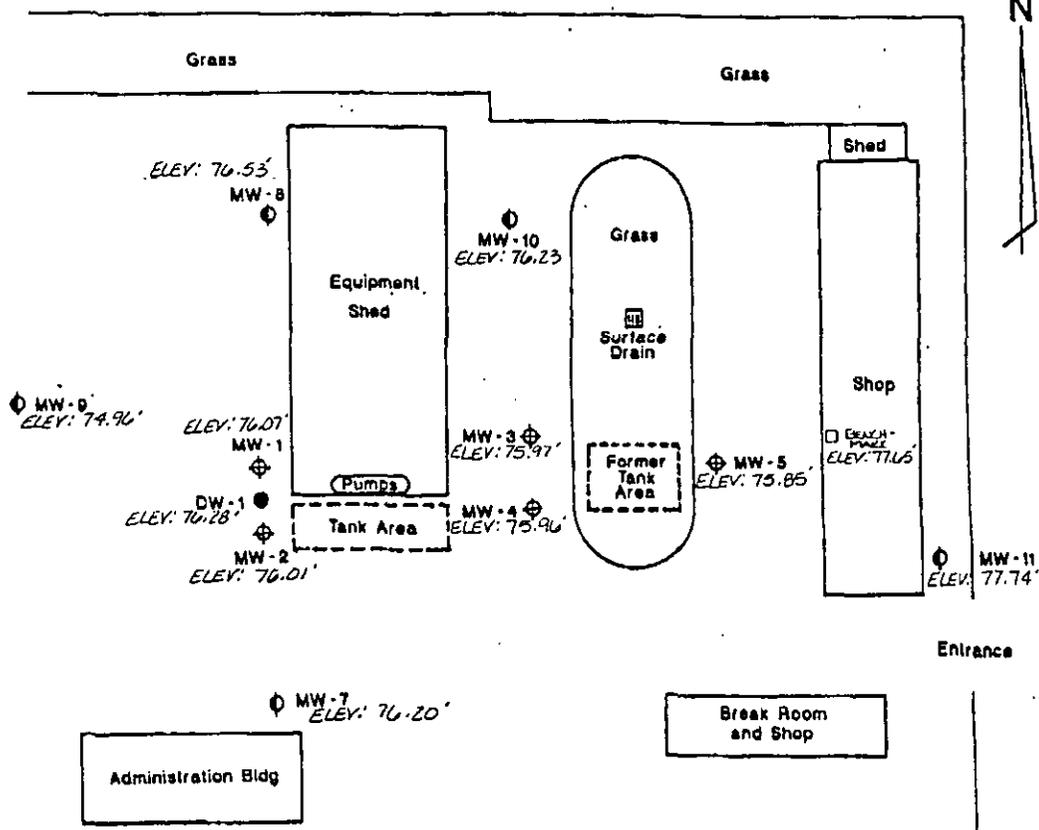
FLORIDA

FIGURE

PROJECT: SFWMD-KISSIMMEE FIELD STATION

LOCATION: KISSIMMEE, FLORIDA

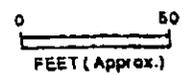
LEGEND:
REC. - RECOVERED; P - IRON PIPE; R - IRON ROD; P.P. - POWER POLE; F - FLAG; M - MEASURED; E/W - RIGHT-OF-WAY; CL - CENTER LINE; P.O.B. - POINT OF BEGINNING; P.O.C. - POINT OF COMMENCEMENT; AC - AC PLOT; PC - POINT OF CURVATURE; PT - POINT OF TANGENCY; POC - POINT OF COMPOUND CURVE; POP - PERMANENT CONTROL POINT; PFC - POINT OF REVERSE CURVE; □ - CONCRETE MONUMENT; C - CALCULATED;
Δ - CENTRAL ANGLE; L - ARC LENGTH; R - RADIUS; CHB. - CHORD BEARING; F - FIELD; D - DEED; PL - PROPERTY LINE; FC - FORCE CORNER; ESST - EASEMENT; N.T.S. - NOT TO SCALE; H&D - H&D; AND DESK



SITE BENCHMARK: RECOVERED CHISELED SQUARE IN SECOND SHOP BAY FROM SOUTH, IN EAST BUILDING - PROVIDED BY MIKE THE SITE MANAGER. ELEVATION: 77.65

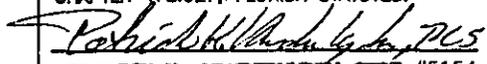
NOTE: ELEVATIONS ON NORTH RIM OF PVC WELL CASING

- Legend :
- ⊕ MW-1 Existing Shallow Monitoring Well
 - MW-2 Proposed Shallow Monitoring Well
 - DW-1 Proposed Deep Monitoring Well



MONITORING WELL LOCATION MAP

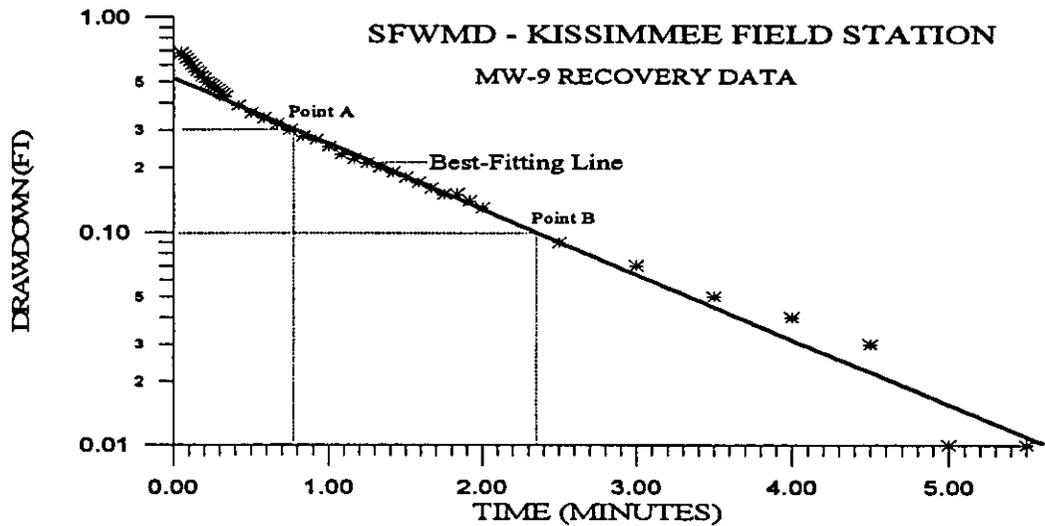
CLIENT: DAMES & MOORE
6400 CONGRESS AVENUE
SUITE 2500
BOCA RATON, FLORIDA 33487

DATE: 10-12-93	JOB NO. 93102
 14549 Quail Trail Circle, Orlando Florida 32821	
I HEREBY CERTIFY THIS MAP TO BE IN COMPLIANCE WITH THE MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYORS SET FORTH IN CHAPTER 21HH-6 F.A.C., PURSUANT TO CHAPTER 472.027, FLORIDA STATUTES.  PATRICK K. VANDERWYDEN CERT #5154	

**DAMES & MOORE RECOVERY TEST
KISSIMMEE FIELD STATION WELL MW-9**

WELL DATA	
Casing Radius (ft)	0.08 (Rc)
Borehole Radius (ft)	0.33 (Rw)
Intake Length (ft)	9.12 (Le)
Well Water Column (ft)	9.12 (Lw)
Aquifer Thickness (ft)	75 (H)

TEST DATA (PARTIAL LIST)	
ELAPSED TIME	DRAWDOWN
0.3	0.45
0.5	0.36
0.75	0.3
1	0.25
1.1667	0.22
1.25	0.21
1.75	0.15
2.5	0.09
5	0.01



Method: (Bouwer & Rice, 1976)

$$K = \frac{[Rc^2 \ln(Rc/Rw)] + 2Le}{[1/t] \ln(\text{drawdown 1}/\text{drawdown 2})}$$

Where:

$$\ln(Rc/Rw) = [1.1 + \ln(Lw/Rw)] + A + B \ln[(H-Lw)/Rw] + (Le/Rw)$$

Parameter A: 3

Parameter B: 0.7 t = elapsed time (min)

HYDRAULIC CONDUCTIVITY (FT/DAY) 6.16E-01

HYDRAULIC CONDUCTIVITY (CM/SEC) 2.17E-04

DAMES & MOORE RECOVERY DATA
KISSIMMEE FIELD STATION
KISSIMMEE, FLORIDA
WELL MW-9

SE1000B
 Environmental Logger
 10/13 10:29

Unit# 00119 Test# 1

INPUT 1: Level (F) TOC

Reference 0.00
 Scale factor 10.04
 Offset 0.00

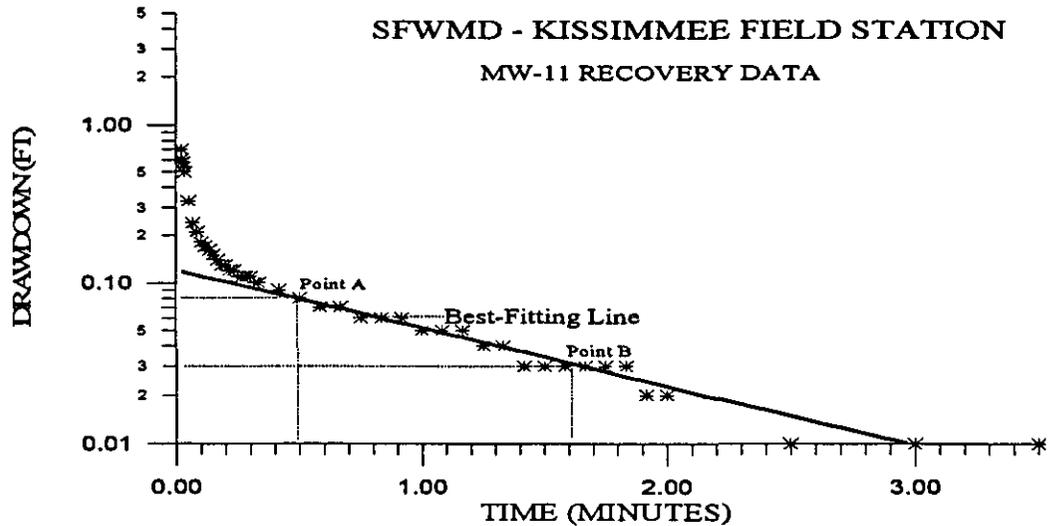
Step# 0 10/12 14:45

Elapsed Time	Value	Elapsed Time	Value
-----		-----	
0.05	0.68	1.25	0.21
0.0666	0.66	1.3333	0.2
0.0833	0.64	1.4166	0.19
0.1	0.62	1.5	0.18
0.1166	0.6	1.5833	0.17
0.1333	0.58	1.6667	0.16
0.15	0.56	1.75	0.15
0.1666	0.55	1.8333	0.15
0.1833	0.53	1.9167	0.14
0.2	0.52	2	0.13
0.2166	0.5	2.5	0.09
0.2333	0.49	3	0.07
0.25	0.48	3.5	0.05
0.2666	0.47	4	0.04
0.2833	0.46	4.5	0.03
0.3	0.45	5	0.01
0.3166	0.44	5.5	0.01
0.3333	0.43		
0.4167	0.39		
0.5	0.36		
0.5833	0.34		
0.6667	0.32		
0.75	0.3		
0.8333	0.28		
0.9167	0.27		
1	0.25		
1.0833	0.23		
1.1667	0.22		

DAMES & MOORE RECOVERY TEST
KISSIMMEE FIELD STATION **WELL MW-11**

WELL DATA	
Casing Radius (ft)	0.08 (Rc)
Borehole Radius (ft)	0.33 (Rw)
Intake Length (ft)	8 (Le)
Well Water Column (ft)	8 (Lw)
Aquifer Thickness (ft)	75 (H)

TEST DATA (PARTIAL LIST)	
ELAPSED TIME	DRAWDOWN
0.25	0.11
0.333	0.1
0.5	0.08
0.6667	0.07
0.8333	0.06
1	0.05
1.25	0.04
1.6667	0.03
2	0.02



Method: (Bouwer & Rice, 1976)

$$K = \{ [Rc^2 \ln(Rc/Rw)] + 2Le \} [1/t] \{ \ln(\text{drawdown 1}/\text{drawdown 2}) \}$$

Where:

$$\ln(Rc/Rw) = \{ [1.1 + \ln(Lw/Rw)] + A + B \ln[(H-Lw)/Rw] + (Le/Rw) \}$$

Parameter A: 2.4

Parameter B: 0.5 *t = elapsed time (min)*

HYDRAULIC CONDUCTIVITY (FT/DAY) 8.75E-01

HYDRAULIC CONDUCTIVITY (CM/SEC) 3.09E-04

DAMES & MOORE RECOVERY DATA
KISSIMMEE FIELD STATION
KISSIMMEE, FLORIDA
WELL MW-11

SE1000B
 Environmental Logger
 10/13 10:28

Unit# 00119 Test# 2

INPUT 1: Level (F) TOC

Reference 0.00
 Scale factor 10.04
 Offset 0.00

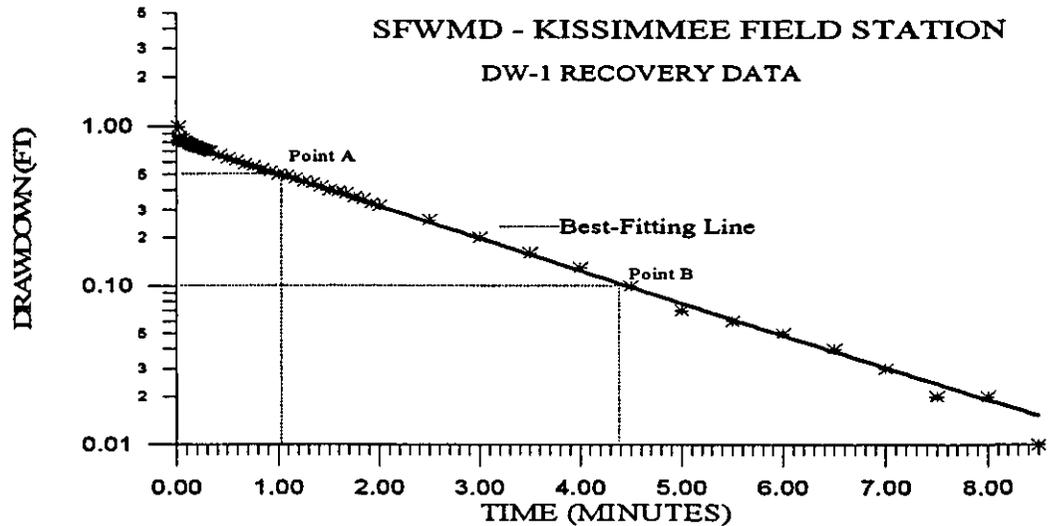
Step# 0 10/12 15:12

Elapsed Time	Value	Elapsed Time	Value
-----	-----	-----	-----
0.0200	0.70	0.8333	0.06
0.0233	0.61	0.9167	0.06
0.0266	0.58	1	0.05
0.0300	0.54	1.0833	0.05
0.0333	0.50	1.1667	0.05
0.0500	0.33	1.25	0.04
0.0666	0.24	1.3333	0.04
0.0833	0.21	1.4166	0.03
0.1000	0.18	1.5	0.03
0.1166	0.17	1.5833	0.03
0.1333	0.16	1.6667	0.03
0.1500	0.15	1.75	0.03
0.1666	0.14	1.8333	0.03
0.1833	0.13	1.9167	0.02
0.2000	0.13	2	0.02
0.2166	0.12	2.5	0.01
0.2333	0.12	3	0.01
0.2500	0.11	3.5	0.01
0.2666	0.11		
0.2833	0.11		
0.3000	0.11		
0.3166	0.10		
0.3333	0.10		
0.4167	0.09		
0.5000	0.08		
0.5833	0.07		
0.6667	0.07		
0.75	0.06		

**DAMES & MOORE RECOVERY TEST
KISSIMMEE FIELD STATION WELL DW-1**

WELL DATA	
Casing Radius (ft)	0.08 (Rc)
Borehole Radius (ft)	0.33 (Rw)
Intake Length (ft)	5 (Le)
Well Water Column (ft)	20.09 (Lw)
Aquifer Thickness (ft)	75 (H)

TEST DATA (PARTIAL LIST)	
ELAPSED TIME	DRAWDOWN
0.2	0.74
0.5	0.63
1	0.5
1.25	0.45
1.5	0.4
2.5	0.26
3.5	0.16
4.5	0.1
5.5	0.06



Method: (Bouwer & Rice, 1976)

$$K = \frac{[Rc^2 \ln(Re/Rw)] + 2Le}{[1/t] [\ln(\text{drawdown } 1/\text{drawdown } 2)]}$$

Where:

$$\ln(Re/Rw) = [1.1 + \ln(Lw/Rw)] + A + B \ln[(H-Lw)/Rw] + (Le/Rw)$$

Parameter A: 2.4

Parameter B: 0.5 *t = elapsed time (min)*

HYDRAULIC CONDUCTIVITY (FT/DAY) 7.12E-01

HYDRAULIC CONDUCTIVITY (CM/SEC) 2.51E-04

DAMES & MOORE RECOVERY DATA
 KISSIMMEE FIELD STATION
 KISSIMMEE, FLORIDA
 WELL DW-1

SE1000B
 Environmental Logger
 10/13 10:30

Unit# 00119 Test# 0

INPUT 1: Level (F) TOC

Reference 0.00
 Scale factor 10.04
 Offset 0.00

Step# 0 10/12 14:23

Elapsed Time	Value	Elapsed Time	Value
-----	-----	-----	-----
0.0166	0.99	0.75	0.56
0.02	0.83	0.8333	0.54
0.0233	0.81	0.9167	0.52
0.0266	0.86	1	0.5
0.03	0.85	1.0833	0.49
0.0333	0.82	1.1667	0.47
0.05	0.83	1.25	0.45
0.0666	0.81	1.3333	0.44
0.0833	0.8	1.4166	0.42
0.1	0.79	1.5	0.4
0.1166	0.78	1.5833	0.39
0.1333	0.77	1.6667	0.38
0.15	0.76	1.75	0.36
0.1666	0.75	1.8333	0.35
0.1833	0.75	1.9167	0.33
0.2	0.74	2	0.32
0.2166	0.73	2.5	0.26
0.2333	0.73	3	0.2
0.25	0.72	3.5	0.16
0.2666	0.71	4	0.13
0.2833	0.71	4.5	0.1
0.3	0.7	5	0.07
0.3166	0.7	5.5	0.06
0.3333	0.69	6	0.05
0.4167	0.66	6.5	0.04
0.5	0.63	7	0.03
0.5833	0.61	7.5	0.02
0.6667	0.58	8	0.02

STWMD 10582-007

Page 1

TOXIKON CORP.

REPORT

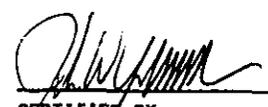
Work Order # 93-10-051

Received: 10/13/93

10/20/93 14:56:43

REPORT DAMES AND MOORE
TO 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487
(407)994-6500 FAX407-994-6524
ATTEN ROB McWILLIAMS

PREPARED TOXIKON WEST PALM BEACH
BY 1860 OLD OKEECHOBEE RD. 401
WEST PALM BEACH, FL 33409
HRS #E86278
ATTEN JOHN YAREMCHUK
PHONE (407) 478-4803


CERTIFIED BY
CONTACT JOHN

CLIENT DM SAMPLES 16
COMPANY DAMES AND MOORE
FACILITY 6400 CONGRESS AVE.
BOCA RATON, FLORIDA 33487

WORK ID SFMD/KISSIMEE
TAKEN 10/07/93 & 10/12/93
TRANS CLIENT
TYPE SOIL/LIQUID
P.O. # 10582-007-024
INVOICE under separate cover

SAMPLE IDENTIFICATION

TEST CODES and NAMES used on this workorder

- 01 DW-1
- 02 SB-5
- 03 MW-1
- 04 DW-1
- 05 MW-2
- 06 MW-7
- 07 DUPE
- 08 MW-9
- 09 MW-8
- 10 MW-10
- 11 MW-3
- 12 MW-4
- 13 MW-5
- 14 EQUIP. BLANK
- 15 MW-11
- 16 TRIP BLANK

- 601 PURGEABLE HALOCARBONS
- 601602 PURG. HALOCARBONS & AROMAT
- 602 EPA 602
- HOLD THIS SAMPLE IS ON HOLD
- TPH IR TPH BY IR EPA 481.1/9073

Received: 10/13/93

Results by Sample

SAMPLE ID DJ-1 SAMPLE # 01 FRACTIONS: A
Date & Time Collected 10/07/93 14:11:00 Category SOIL

TPH_IR 181
mg/Kg DL=5.0

SAMPLE ID SB-5 SAMPLE # 02 FRACTIONS: A
Date & Time Collected 10/07/93 14:15:00 Category SOIL

TPH_IR 41.5
mg/Kg DL=5.0

Received: 10/13/93

Results by Sample

SAMPLE ID MJ-1FRACTION 03A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT.Date & Time Collected 10/12/93 12:50:00Category LIQUID

<u>EPA METHOD 601</u>	DETECT RESULT	CAS LIMIT	NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropene	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	129	1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:				
DATE RUN:	<u>10/19/93</u>			
ANALYST:	<u>MAP</u>			
INSTRUMENT:	<u>HP-1</u>			
DIL. FACTOR:	_____			
UNITS :	<u>UG/L</u>			
ND = not detected at detection limit				

Received: 10/13/93

Results by Sample

SAMPLE ID DU-1FRACTION 04A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT:Date & Time Collected 10/12/93 13:15:00Category LIQUID

<u>EPA METHOD 601</u>	DETECT	CAS	STORET
RESULT	LIMIT	NO.	NO.
Chloromethane	ND 1.00	74-87-3	34418
Bromomethane	ND 1.00	74-83-9	34413
Vinyl Chloride	ND 1.00	75-01-4	39715
Dichlorodifluoromethane	ND 1.00	75-71-8	34668
Chloroethane	ND 1.00	75-00-3	34311
Methylene Chloride	ND 1.00	75-09-2	34423
Trichlorofluoromethane	ND 1.00	75-69-4	34488
1,1-Dichloroethene	ND 1.00	75-35-4	34501
1,1-Dichloroethane	ND 1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND 1.00	156-60-5	34556
Chloroform	ND 1.00	67-66-3	32106
1,2-Dichloroethane	ND 1.00	107-06-2	34531
1,1,1-Trichloroethane	ND 1.00	71-55-6	34506
Carbon tetrachloride	ND 1.00	56-23-5	32102
Bromodichloromethane	ND 1.00	75-27-4	32101
1,2-Dichloropropane	ND 1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND 1.00	10061-02-6	34699
Trichloroethene	ND 1.00	79-01-6	39180
cis-1,3-Dichloropropane	ND 1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND 1.00	79-00-5	34511
Dibromochloromethane	ND 1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND 1.00	100-75-8	34576
Bromoform	ND 1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND 1.00	79-34-5	34516
Tetrachloroethene	ND 1.00	127-18-4	34475
Chlorobenzene	ND 1.00	108-90-7	34301
1,4-Dichlorobenzene	ND 1.00	106-46-7	34571
1,3-Dichlorobenzene	ND 1.00	541-73-1	34566
1,2-Dichlorobenzene	ND 1.00	95-50-1	34536
<u>EPA METHOD 602</u>			
Benzene	ND 1.00	71-43-2	34030
Toluene	ND 1.00	108-88-3	34010
Ethylbenzene	ND 1.00	100-41-4	34371
Xylenes (Total)	ND 1.00	1330-20-7	
Methyl-t-Butyl Ether	1.47 1.00	1254-25-9	
NOTES AND DEFINITIONS FOR THIS REPORT:			
DATE RUN:	<u>10/19/93</u>		
ANALYST:	<u>MAP</u>		
INSTRUMENT:	<u>HP-1</u>		
DIL. FACTOR:	<u> </u>		
UNITS :	<u>UG/L</u>		
ND = not detected at detection limit			

Received: 10/13/93

Results by Sample

SAMPLE ID NW-2FRACTION 05ATEST CODE 601NAME PURGEABLE HALOCARBONSDate & Time Collected 10/12/93 13:28:00Category LIQUID**PURGEABLE HALOCARBONS**

	RESULT	DETEC LIMIT	CAS NUMBER	STORET NUMBER
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	5.58	1.00	75-35-4	34501
1,1-Dichloroethane	8.79	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34546
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34566
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32101
2-Chloroethylvinyl Ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 10/19/93

ANALYST MAP

INSTRUMENT HP-1

UNITS ug/L

DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

Received: 10/13/93

Results by Sample

SAMPLE ID MW-7FRACTION 06A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMATDate & Time Collected 10/12/93 13:38:00Category LIQJID

<u>EPA METHOD 601</u>	DETECT RESULT	CAS LIMIT	NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536

EPA METHOD 602

Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	ND	1.00	1254-25-9	

NOTES AND DEFINITIONS FOR THIS REPORT:

DATE RUN: 10/19/93ANALYST: MAPINSTRUMENT: HP-1

DIL. FACTOR: _____

UNITS : UG/L

ND = not detected at detection limit

Received: 10/13/93

Results by Sample

SAMPLE ID DUPE FRACTION 07A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
 Date & Time Collected 10/12/93 13:39:00 Category LIQUID

<u>EPA METHOD 601</u>	DETECT RESULT	CAS LIMIT	NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536

EPA METHOD 602

Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	ND	1.00	1254-25-9	

NOTES AND DEFINITIONS FOR THIS REPORT:

DATE RUN: 10/19/93ANALYST: MAPINSTRUMENT: HP-1

DIL. FACTOR: _____

UNITS : UG/L

ND = not detected at detection limit

Received: 10/13/93

Results by Sample

SAMPLE ID MW-9FRACTION 08ATEST CODE 601602NAME PURG. HALOCARBONS & AROMATDate & Time Collected 10/12/93 14:05:00Category LIQUID

<u>EPA METHOD 601</u>	RESULT	DETECT LIMIT	CAS NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	4.22	1.00	108-90-7	34301
1,4-Dichlorobenzene	3.20	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536

EPA METHOD 602

Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	18.4	1.00	1254-25-9	

NOTES AND DEFINITIONS FOR THIS REPORT:

DATE RUN: 10/19/93ANALYST: MAPINSTRUMENT: HP-1

DIL. FACTOR: _____

UNITS : UG/L

ND. = not detected at detection limit

Received: 10/13/93

Results by Sample

SAMPLE ID MW-8FRACTION 09ATEST CODE 601602NAME PURG. HALOCARBONS & AROMATDate & Time Collected 10/12/93 14:17:00Category LIQUID

<u>EPA METHOD 601</u>	DETECT RESULT	CAS LIMIT	STORET NO.
Chloromethane	ND	74-87-3	34418
Bromomethane	ND	74-83-9	34413
Vinyl Chloride	ND	75-01-4	39715
Dichlorodifluoromethane	ND	75-71-8	34668
Chloroethane	ND	75-00-3	34311
Methylene Chloride	ND	75-09-2	34423
Trichlorofluoromethane	ND	75-69-4	34488
1,1-Dichloroethene	10.0	75-35-4	34501
1,1-Dichloroethane	5.83	75-34-3	34496
trans-1,2-Dichloroethene	ND	156-60-5	34556
Chloroform	ND	67-66-3	32106
1,2-Dichloroethane	ND	107-06-2	34531
1,1,1-Trichloroethane	ND	71-55-6	34506
Carbon tetrachloride	ND	56-23-5	32102
Bromodichloromethane	ND	75-27-4	32101
1,2-Dichloropropane	ND	78-87-5	34541
Trans-1,3-Dichloropropane	ND	10061-02-6	34699
Trichloroethene	ND	79-01-6	39180
cis-1,3-Dichloropropene	ND	10061-01-5	34704
1,1,2-Trichloroethane	ND	79-00-5	34511
Dibromochloromethane	ND	124-48-1	32105
2-Chloroethylvinyl ether	ND	100-75-8	34576
Bromoform	ND	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	79-34-5	34516
Tetrachloroethene	ND	127-18-4	34475
Chlorobenzene	ND	108-90-7	34301
1,4-Dichlorobenzene	1.76	106-46-7	34571
1,3-Dichlorobenzene	ND	541-73-1	34566
1,2-Dichlorobenzene	ND	95-50-1	34536

EPA METHOD 602

Benzene	ND	71-43-2	34030
Toluene	ND	108-88-3	34010
Ethylbenzene	ND	100-41-4	34371
Xylenes (Total)	ND	1330-20-7	
Methyl-t-Butyl Ether	ND	1254-25-9	

NOTES AND DEFINITIONS FOR THIS REPORT:

DATE RUN: 10/19/93ANALYST: MAPINSTRUMENT: HP-1

DIL. FACTOR: _____

UNITS : _____

ND = not detected at detection limit

SAMPLE ID MW-10

FRACTION 10A

TEST CODE 601

NAME PURGEABLE HALOCARBONS

Date & Time Collected 10/12/93 14:28:00

Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER	STORET NUMBER
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34546
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32101
2-Chloroethylvinyl Ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 10/19/93

ANALYST MAP

INSTRUMENT HP-1

UNITS ug/L

DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

Received: 10/13/93

Results by Sample

SAMPLE ID MW-3FRACTION 11ATEST CODE 601602NAME PURG. HALOCARBONS & AROMATDate & Time Collected 10/12/93 14:40:00Category LIQUID

<u>EPA METHOD 601</u>	DETECT RESULT	CAS LIMIT	NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	6.97	1.00	108-90-7	34301
1,4-Dichlorobenzene	7.81	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536

EPA METHOD 602

Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	12.4	1.00	1254-25-9	

NOTES AND DEFINITIONS FOR THIS REPORT:

DATE RUN: 10/19/93ANALYST: MAPINSTRUMENT: HP-1

DIL. FACTOR: _____

UNITS : UG/L

ND = not detected at detection limit

SAMPLE ID MJ-4 FRACTION 12A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
Date & Time Collected 10/12/93 14:49:00 Category LIQUID

<u>EPA METHOD 601</u>		DETECT	CAS	STORET
RESULT	LIMIT	NO.	NO.	NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropene	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropene	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	4.74	1.00	108-90-7	34301
1,4-Dichlorobenzene	1.70	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536
<u>EPA METHOD 602</u>				
Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	ND	1.00	1254-25-9	

NOTES AND DEFINITIONS FOR THIS REPORT:
DATE RUN: 10/19/93
ANALYST: MAP
INSTRUMENT: HP-1
DIL. FACTOR: _____
UNITS : UG/L
ND = not detected at detection limit

Received: 10/13/93

Results by Sample

SAMPLE ID MM-5FRACTION 13ATEST CODE 601602NAME PURG. HALOCARBONS & AROMATDate & Time Collected 10/12/93 14:58:00Category LIQUID

EPA METHOD 601	DETECT	CAS	STORET
RESULT	LIMIT	NO.	NO.
Chloromethane	ND 1.00	74-87-3	34418
Bromomethane	ND 1.00	74-83-9	34413
Vinyl Chloride	ND 1.00	75-01-4	39715
Dichlorodifluoromethane	ND 1.00	75-71-8	34668
Chloroethane	ND 1.00	75-00-3	34311
Methylene Chloride	ND 1.00	75-09-2	34423
Trichlorofluoromethane	ND 1.00	75-69-4	34488
1,1-Dichloroethene	ND 1.00	75-35-4	34501
1,1-Dichloroethane	ND 1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND 1.00	156-60-5	34556
Chloroform	ND 1.00	67-66-3	32106
1,2-Dichloroethane	ND 1.00	107-06-2	34531
1,1,1-Trichloroethane	ND 1.00	71-55-6	34506
Carbon tetrachloride	ND 1.00	56-23-5	32102
Bromodichloromethane	ND 1.00	75-27-4	32101
1,2-Dichloropropane	ND 1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND 1.00	10061-02-6	34699
Trichloroethene	ND 1.00	79-01-6	39180
cis-1,3-Dichloropropane	ND 1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND 1.00	79-00-5	34511
Dibromochloromethane	ND 1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND 1.00	100-75-8	34576
Bromoform	ND 1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND 1.00	79-34-5	34516
Tetrachloroethene	ND 1.00	127-18-4	34475
Chlorobenzene	ND 1.00	108-90-7	34301
1,4-Dichlorobenzene	1.00 1.00	106-46-7	34571
1,3-Dichlorobenzene	ND 1.00	541-73-1	34566
1,2-Dichlorobenzene	ND 1.00	95-50-1	34536

EPA METHOD 602

Benzene	ND 1.00	71-43-2	34030
Toluene	ND 1.00	108-88-3	34010
Ethylbenzene	ND 1.00	100-41-4	34371
Xylenes (Total)	ND 1.00	1330-20-7	
Methyl-t-Butyl Ether	ND 1.00	1254-25-9	

NOTES AND DEFINITIONS FOR THIS REPORT:

DATE RUN: 10/19/93ANALYST: MAPINSTRUMENT: HP-1

DIL. FACTOR: _____

UNITS : UG/L

ND = not detected at detection limit

Received: 10/13/93

Results by Sample

SAMPLE ID EQUIP. BLANK FRACTION 14A TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT
 Date & Time Collected 10/12/93 15:00:00 Category LIQUID

<u>EPA METHOD 601</u>	RESULT	DETECT LIMIT	CAS NO.	STORET NO.
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34556
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32105
2-Chloroethylvinyl ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	75-25-2
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	ND	1.00	108-90-7	34301
1,4-Dichlorobenzene	ND	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536

EPA METHOD 602

Benzene	ND	1.00	71-43-2	34030
Toluene	ND	1.00	108-88-3	34010
Ethylbenzene	ND	1.00	100-41-4	34371
Xylenes (Total)	ND	1.00	1330-20-7	
Methyl-t-Butyl Ether	ND	1.00	1254-25-9	

NOTES AND DEFINITIONS FOR THIS REPORT:DATE RUN: 10/19/93ANALYST: MAPINSTRUMENT: HP-1

DIL. FACTOR: _____

UNITS : UG/L

ND = not detected at detection limit

Received: 10/13/93

Results by Sample

SAMPLE ID MW-11 FRACTION 15A TEST CODE 601 NAME PURGEABLE HALOCARBONS
 Date & Time Collected 10/12/93 15:12:00 Category LIQUID

PURGEABLE HALOCARBONS

	RESULT	DETEC LIMIT	CAS NUMBER	STORET NUMBER
Chloromethane	ND	1.00	74-87-3	34418
Bromomethane	ND	1.00	74-83-9	34413
Vinyl Chloride	ND	1.00	75-01-4	39715
Dichlorodifluoromethane	ND	1.00	75-71-8	34668
Chloroethane	ND	1.00	75-00-3	34311
Methylene Chloride	ND	1.00	75-09-2	34423
Trichlorofluoromethane	ND	1.00	75-69-4	34488
1,1-Dichloroethene	ND	1.00	75-35-4	34501
1,1-Dichloroethane	ND	1.00	75-34-3	34496
trans-1,2-Dichloroethene	ND	1.00	156-60-5	34546
Chloroform	ND	1.00	67-66-3	32106
1,2-Dichloroethane	ND	1.00	107-06-2	34531
1,1,1-Trichloroethane	ND	1.00	71-55-6	34506
Carbon tetrachloride	ND	1.00	56-23-5	32102
Bromodichloromethane	ND	1.00	75-27-4	32101
1,2-Dichloropropane	ND	1.00	78-87-5	34541
Trans-1,3-Dichloropropane	ND	1.00	10061-02-6	34699
Trichloroethene	ND	1.00	79-01-6	39180
cis-1,3-Dichloropropene	ND	1.00	10061-01-5	34704
1,1,2-Trichloroethane	ND	1.00	79-00-5	34511
Dibromochloromethane	ND	1.00	124-48-1	32101
2-Chloroethylvinyl Ether	ND	1.00	100-75-8	34576
Bromoform	ND	1.00	75-25-2	
1,1,2,2-Tetrachloroethane	ND	1.00	79-34-5	34516
Tetrachloroethene	ND	1.00	127-18-4	34475
Chlorobenzene	2.58	1.00	108-90-7	34301
1,4-Dichlorobenzene	8.89	1.00	106-46-7	34571
1,3-Dichlorobenzene	ND	1.00	541-73-1	34566
1,2-Dichlorobenzene	ND	1.00	95-50-1	34536

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN 10/19/93

ANALYST MAP

INSTRUMENT HP-1

UNITS UG/L

DILUTION 1

ND = NOT DETECTED AT DETECTION LIMITS

Received: 10/13/93

Results by Sample

SAMPLE ID <u>TRIP BLANK</u>	SAMPLE # <u>16</u> FRACTIONS: <u>A</u>
	Date & Time Collected <u>10/12/93</u> Category <u>LIQUID</u>
HOLD <u>-</u>	
NONE	

Received: 10/13/93

Test Methodology

TEST CODE 601 NAME PURGEABLE HALOCARBONS

EPA METHOD: 601 Volatile Halocarbons Compounds

Reference: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A. 40CFR Part 136. Federal Register Vol. 49, No. 209, 1984.

TEST CODE 601602 NAME PURG. HALOCARBONS & AROMAT

EPA METHOD: 601/602 Volatile Halocarbons & Aromatic Compounds

Reference: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A. 40CFR Part 136. Federal Register Vol. 49, No. 209, 1984.

TEST CODE 602 NAME EPA 602

EPA METHOD: 602 Volatile Aromatic Compounds

Reference: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A. 40CFR Part 136. Federal Register Vol. 49, No. 209, 1984.

TEST CODE TPH IR NAME TPH BY IR EPA 481.1/9073

EPA METHOD: 418.1 for water sample.

Reference: Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020 (Revised, March 1983). EPA/EMSL, Cincinnati, OH.

EPA METHOD: 9073 for soil sample.

Reference: Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846 (Third Edition) 1986. Office of Solid Waste, USEPA.



CHAIN OF CUSTODY RECORD

1860 Old Okeechobee Road • Suite 401
 West Palm Beach, FL 33409
 Tel: (407) 478-4803 Fax: (407) 478-0214

WORK ORDER #: _____
 DUE DATE: _____

COMPANY: DALE & MORRIS
 ADDRESS: LOCAL BATTERY 334187
 PHONE #: 407 931-6500 FAX #: 407 931-6521
 P.O. #: 10532 007 021
 CLIENT CONTACT: KOB WILLIAMS
 PROJECT ID/LOCATION: SEWARD/RESIDENTS

- SAMPLETYPE CONTAINERTYPE
- 1. WATER P. PLASTIC
 - 2. SOIL G. GLASS
 - 3. SLUDGE V. VOA
 - 4. OIL
 - 5. TISSUE
 - OTHER

TOXIKON #	SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER		SAMPLING		PRESERVATIVE	ANALYSES	COMMENTS
			SIZE	TYPE	#	DATE			
	DW-1	2	6		10/1/93	1411			
	SR-5	2	6		"	1415			
	MW-1	1	6		10/2/93	1250			
	DW-1	1	6		"	1315			
	MW-2	1	6		"	1328			
	MW-7	1	6		"	1330			
	Dupe	1	6		"	1339			
	MW-9	1	6		"	1405			
	MW-8	1	6		"	1417			
	MW-10	1	6		"	1423			
	MW-3	1	6		"	1446			
	MW-4	1	6		"	1449			
	MW-5	1	6		"	1455			

TRIP 601 602

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____ DATE: _____ TIME: _____

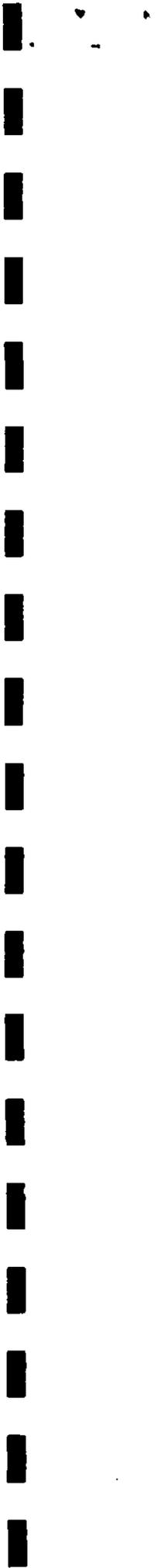
RELINQUISHED BY: Donald Murphy DATE: 10-13-93 TIME: 09:00 RECEIVED FOR LAB BY: _____ DATE: 10-13-93 TIME: 09:00

METHOD OF SHIPMENT: _____

SPECIAL INSTRUCTIONS: _____

RUSH, DAY TURN AROUND
 ROUTINE

Page 1 of 2





South Florida Water Management District

3301 Gun Club Road • P.O. Box 24680 • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 14

June 11, 1993

Ms. Deborah Metrin
Florida Department of
Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767



Dear Ms. Metrin:

Subject: Fifth and Sixth Quarter Monitoring Reports for Kissimmee Field Station;
DER Fac. #498520968

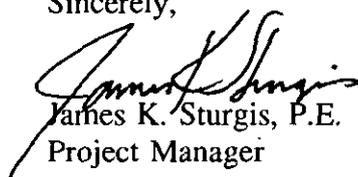
I have enclosed a copy of the fifth and sixth quarterly status reports for monitoring that was performed on December 7, 1992 and March 31, 1993. Since several parameters are still being detected above target levels, the District plans to perform a contamination assessment to determine the following:

1. Define the extent of Methyl tert-Butyl Ether (MTBE) contamination in soil and groundwater .
2. Confirm the source of MTBE contamination including integrity of existing fuel storage system.
3. Determine upgradient (background) concentrations of purgeable halocarbons including 1,1 dichloroethene and chlorobenzene (EPA Method 601).

We expect to begin the contamination assessment field work by July.

After you have reviewed the report, please call me at (407) 687-6288 to discuss the results of the monitoring program and our proposed contamination assessment.

Sincerely,


James K. Sturgis, P.E.
Project Manager

JKS/js

Enclosure

Governing Board:

Valerie Boyd, Chairman
Frank Williamson, Jr., Vice Chairman
Annie Betancourt

William Hammond
Betsy Krant
Allan Milledge

Eugene K. Pettis
Nathaniel P. Reed
Leah G. Schad

Tilford C. Creel, Executive Director
Thomas K. MacVicar, Deputy Executive Director

April 14, 1993

MONITORING ONLY PLAN

Quarterly Status Report

January, February, March

South Florida Water Management District

Kissimmee Pumping Station

80 Hoagland Boulevard

Kissimmee, Florida

DER Facility No. 498520968

1.0 Introduction

The following is a Quarterly Status Report for the Monitor Only Plan approved on March 3, 1991, for the South Florida Water Management District Kissimmee Pumping Station. The pumping station is located at 80 Hoagland Boulevard in Kissimmee, Florida. The quarterly report will outline the results obtained during the sixth quarter (January, February and March of 1993) of sampling.

2.0 Water Table Elevation

The hydraulic gradient was computed by collecting depth to water data using a water level sensor probe. Figure 1 is the gradient map constructed from the monitoring data collected on March 31, 1993 and shown in Table 1. The Hydraulic Gradient map indicates that the groundwater continues to flow toward the northwest.

3.0 Groundwater Analysis Results

The six monitoring wells located at the site were sampled on March 31, 1993 by EPA Methods 601 and 602, as requested by the Florida Department of Environmental Regulation, Bureau of Waste Cleanup. The results of the EPA Method 602 analysis, summarized in Table 2, show that the purgeable aromatics benzene, toluene, ethylbenzene, and total xylene (BTEX) were not detected in any of the monitoring wells, with the exception of 1 ppb benzene reported in monitoring well MW-3.

Methyl tert-Butyl Ether (MTBE) concentrations of 150 ppb and 110 ppb were detected in monitoring wells MW-1 and MW-2, respectively. The MTBE concentrations detected in MW-1 and MW-2 are above the target level set by Chapter 17-770, Florida Administrative Code (FAC). However, a reduction in the MTBE levels was indicated from the previous quarterly sampling results of December 7, 1992. MTBE was not detected above the 50 ppb target level in all of the remaining wells sampled on March 31, 1993.

The results of the purgeable halocarbons analysis by EPA Method 601 from samples collected on March 31, 1993, are provided in Table 2. The results indicate that monitoring well MW-2 contains a level of 1,1 dichloroethene (14 ppb) which is above the groundwater guidance concentration of 7 ppb. Additionally, the March 31, 1993 results report a 20 ppb concentration of chlorobenzene from the sample collected from monitoring well MW-3. The groundwater guidance concentration for chlorobenzene is 10 ppb.

Purgeable halocarbons concentrations in all the remaining wells were below the Primary Drinking Water Standards contained in Section 17-550.310 FAC, and below the Florida Ground Water Guidance Concentrations distributed by the Florida Department of Environmental Regulation (FDER) in February 1989.

Figure 2 shows that the March 31, 1993, analytical results of total BTEX remain below the 50 ppb target level in all the monitoring wells present at the facility. Figure 3 diagrams the MTBE concentrations detected during the March 31, 1993 groundwater sampling at the site. The sixth quarter laboratory analysis reports are included as Appendix A.

Table 3 summarizes the previous laboratory results reported during the fifth quarterly (October, November and December, 1992) sampling. Figures 4 and 5 diagram the fifth quarter analytical results of total BTEX and MTBE, respectively. Table 3 shows that MTBE concentrations have decreased from the last quarterly sampling and total BTEX concentrations have remained at or below the detection limit for the past two quarters.

Table 1
Quarterly Monitoring Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida
Measurements in feet
Monitor Date: March 31, 1993

Well #	Casing Elevation*	Depth To Water	Water Table Elevation	LPH**
MW-1	91.37	2.94	88.43	0
MW-2	91.31	2.80	88.51	0
MW-3	91.29	2.31	88.98	0
MW-4	91.27	2.16	89.11	0
MW-5	90.97	1.86	89.11	0
MW-6	91.19	1.79	89.40	0

- * Based on estimated 90.00 ft. reference datum.
- ** LPH denotes liquid phase hydrocarbons

Table 2
Quarterly Analytical Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida

Sample Date: March 31, 1993

Well #	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	150
MW-2	ND	ND	ND	ND	ND	110
MW-3	1	ND	ND	ND	1	17
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

Table 2 (Continued)
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Date: March 31, 1993

Well #	1,1-Dichloro ethene* (ppb)	1,1-Di chloroethane† (ppb)	Chloro benzene** (ppb)	1,4-Di chlorobenzene†† (ppb)	Total 601 (ppb)
MW-1	2	1	ND	ND	3
MW-2	14	5	ND	ND	19
MW-3	1	ND	20	7	28
MW-4	ND	ND	3	2	5
MW-5	5	2	ND	ND	7
MW-6	2	2	4	5	13

ND denotes not detected above the detection limit

- * The Florida Primary Drinking Water Standard for 1,1-dichloroethene is 7 ppb.
- † The Florida Groundwater Guidance Concentration for 1,1-dichloroethane is 2400 ppb.
- ** The Florida Groundwater Guidance Concentration for chlorobenzene is 10 ppb.
- †† The Florida Primary Drinking Water Standard for 1,4-dichlorobenzene is 75 ppb.

Table 3
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Date: December 7, 1992

Well #	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	500
MW-2	ND	ND	ND	ND	ND	410
MW-3	ND	ND	ND	ND	ND	43
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

Table 3 (Continued)
Quarterly Analytical Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida

Sample Date: December 7, 1992

Well #	1,1-Dichloro ethene* (ppb)	1,1-Di chloroethane† (ppb)	Chloro benzene** (ppb)	1,4-Di chlorobenzene†† (ppb)	Total 601 (ppb)
MW-1	ND	ND	ND	ND	ND
MW-2	11	4	ND	ND	15
MW-3	3	2	8	4	17
MW-4	1	1	2	1	5
MW-5	7	2	ND	ND	9
MW-6	ND	ND	3	6	9

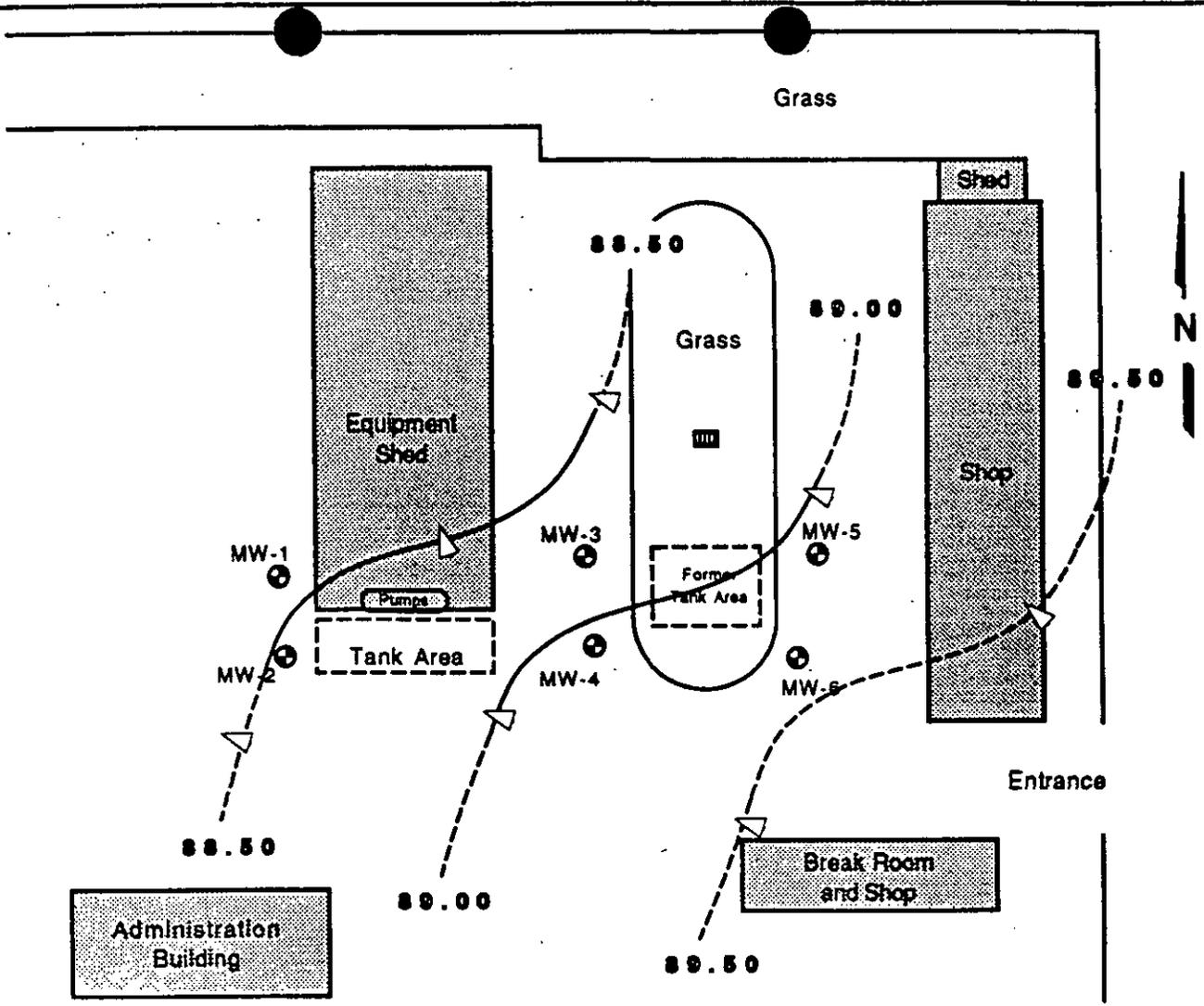
ND denotes not detected above the detection limit

- * The Florida Primary Drinking Water Standard for 1,1-dichloroethene is 7 ppb.
- † The Florida Groundwater Guidance Concentration for 1,1-dichloroethane is 2400 ppb.
- ** The Florida Groundwater Guidance Concentration for chlorobenzene is 10 ppb.
- †† The Florida Primary Drinking Water Standard for 1,4-dichlorobenzene is 75 ppb.

Drawing Number
585272-2286-A-C34

Checked
5/21/93
Approved
11/2-11/93

DMR
Drawn
BY



WATER TABLE ELEVATIONS

WELL	feet
MW-1	88.43
MW-2	88.51
MW-3	88.98
MW-4	89.11
MW-5	89.11
MW-6	89.40

LEGEND

- Monitoring Well
- Surface Drain
- Water Table Elevations (feet)
- Flow Direction

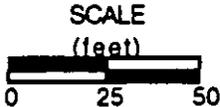


Figure 1:
HYDRAULIC GRADIENT MAP

3/31/93
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



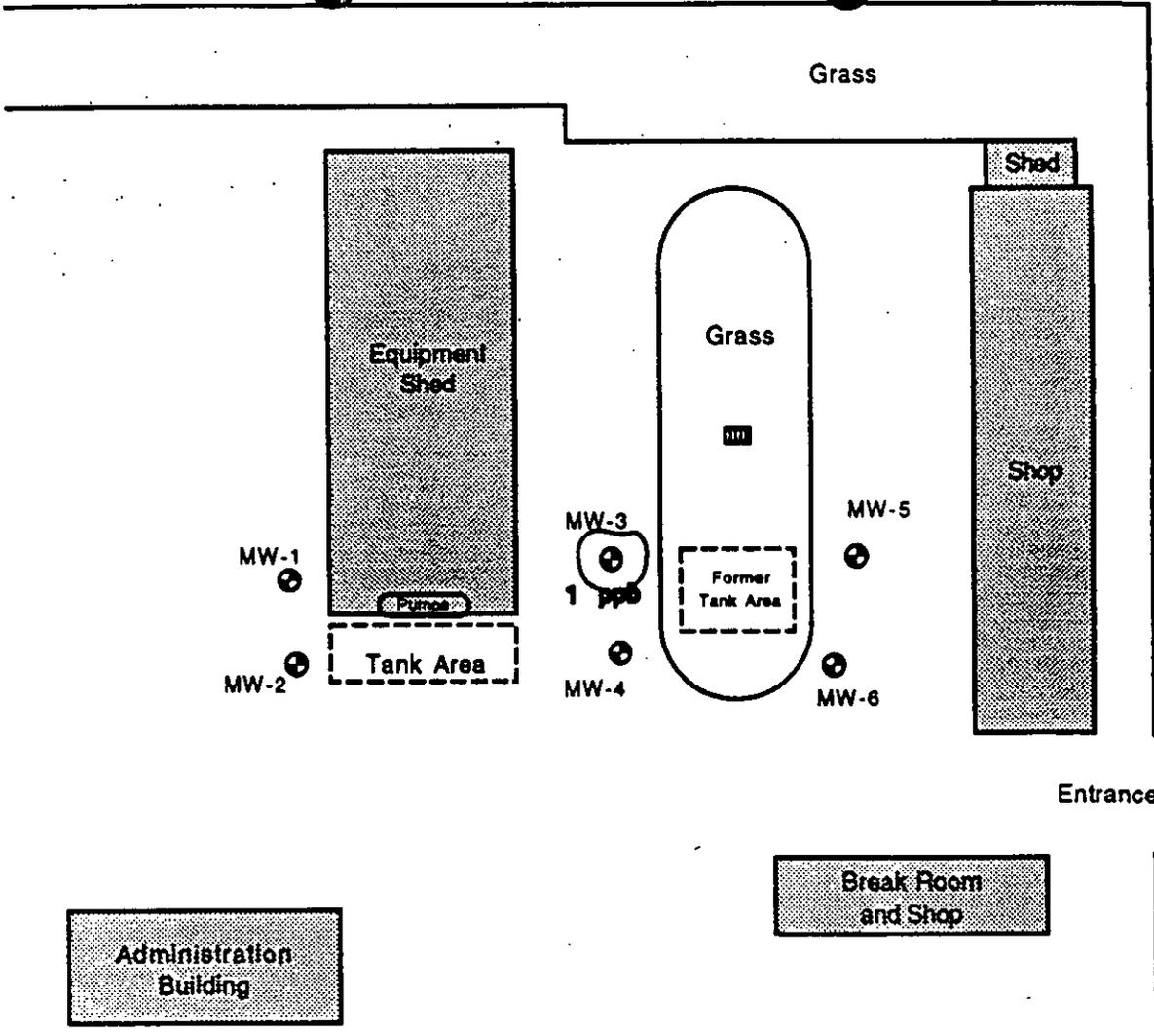
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C35

Checked
Approved

DMR

Drawn
By

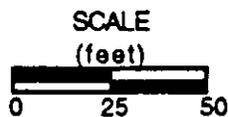


Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	1
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1 - Total BTEX Concentration (ppb)



**Figure 2:
Total BTEX Plume Map**

3/31/93

Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



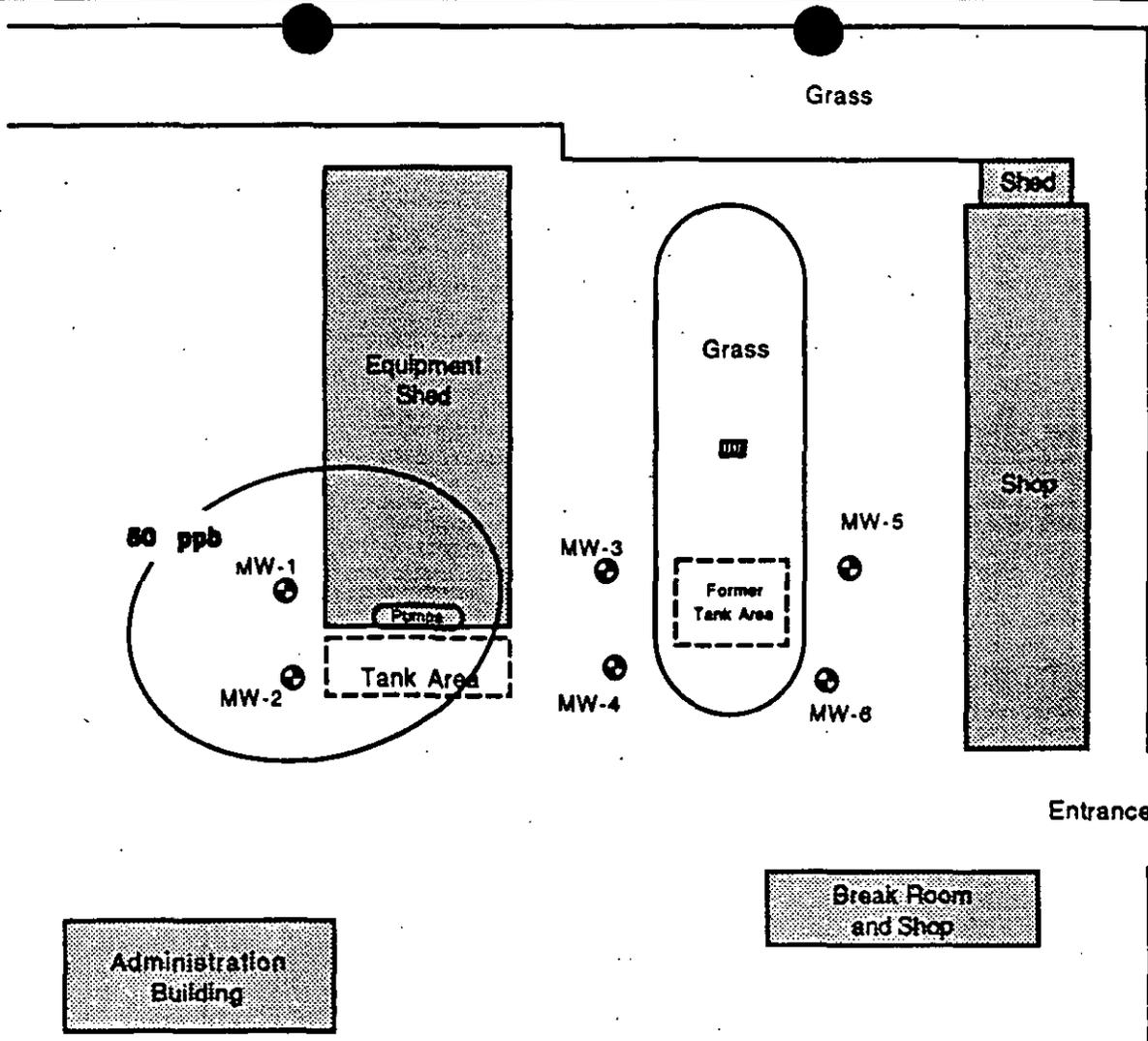
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C36

Checked
Approved

DMR

Drawn By



MTBE Concentration

WELL	(ppb)
MW-1	150
MW-2	110
MW-3	17
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- ⊕ Monitoring Well
- ▤ Surface Drain
- 1- MTBE Concentration (ppb)

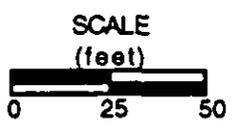


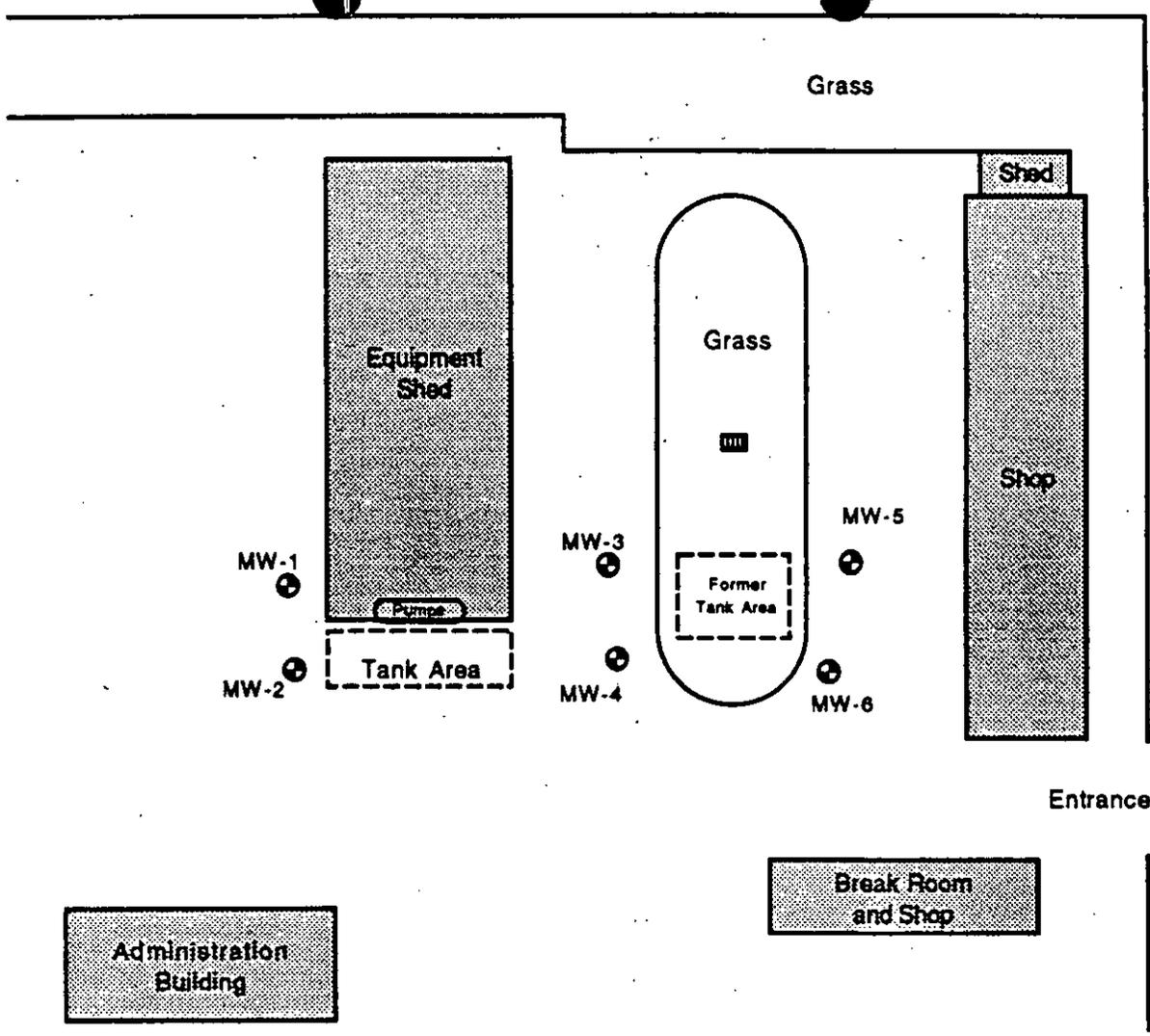
Figure 3:
Methyl tert-Butyl Ether (MTBE)
Plume Map

3/31/93
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



Rev.	Description	Date	Approved

Drawing number
 585272-2286-A-C37
 Checked *JL 4/15/93*
 Approved *JL 4/15/93*
 DMR
 Drawn By



Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	ND
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- ⊕ Monitoring Well
- ▣ Surface Drain
- 1- Total BTEX Concentration (ppb)

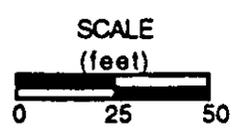


Figure 4:
Total BTEX Plume Map
 12/07/92
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



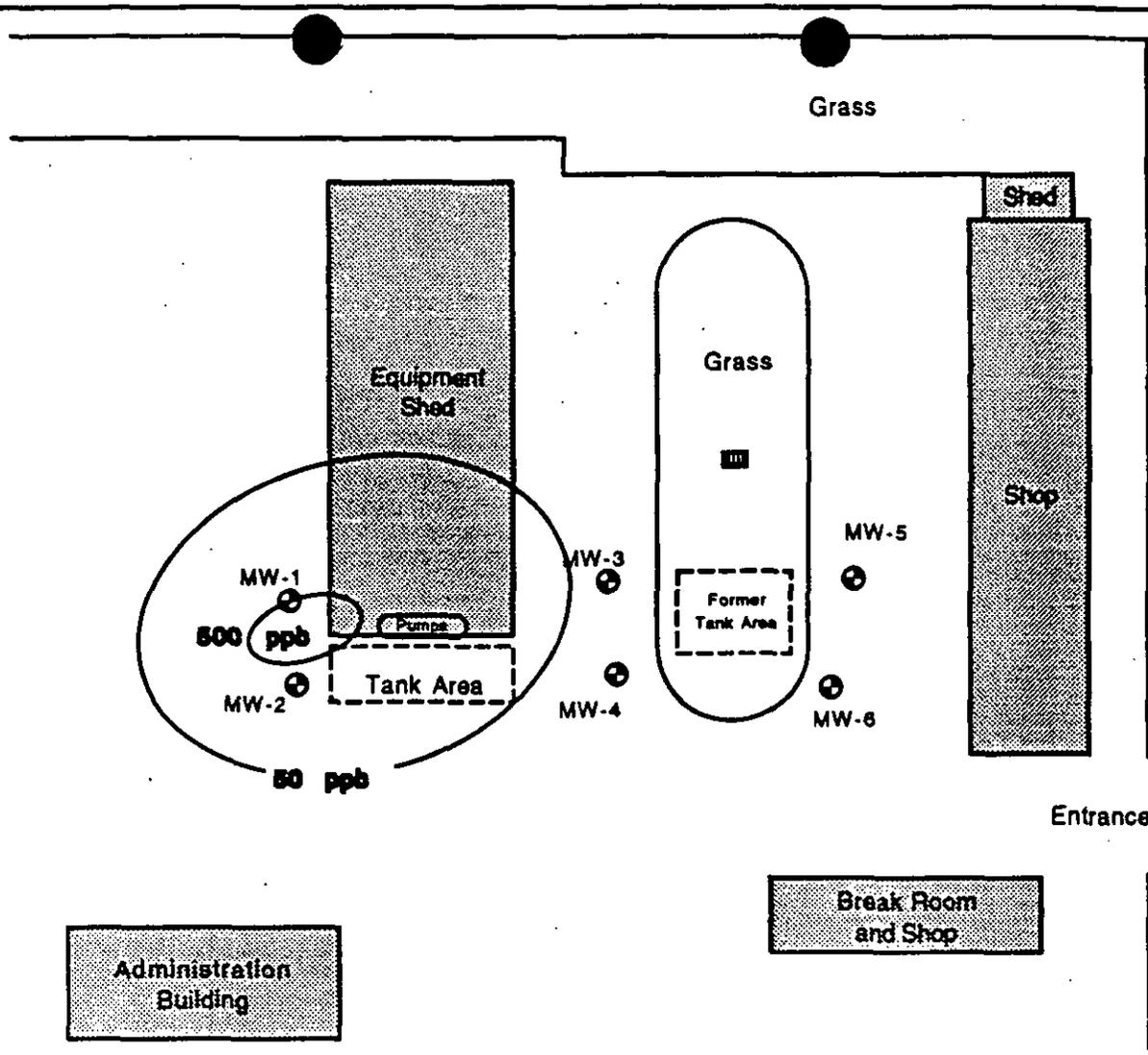
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C3A

Checked
Approved

DMR

Drawn
By



MTBE Concentration

WELL	(ppb)
MW-1	500
MW-2	410
MW-3	43
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- 1- MTBE Concentration (ppb)

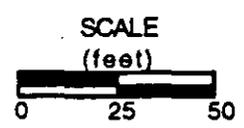


Figure 5:
Methyl tert-Butyl Ether (MTBE)
Plume Map

12/07/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



Rev.	Description	Date	Approved



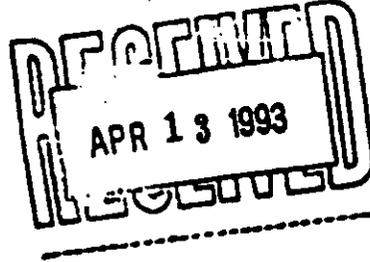
ORLANDO LABORATORIES INC.

P.O. BOX 149127 • ORLANDO, FLORIDA 32814
(407) 896-6645 • FAX: (407) 898-6588

REPORT OF ANALYSIS

IT Environmental Services
7119 University Blvd.
Winter Park, FL 32792

Attn: Gregg Roberts



Work Order # : 93-03-445
Date Received: 03/31/93
Date Reported: 04/08/93
OLI Contact: J_BEATO

Work ID: SFWMD/585272
Samples collected by: Client
Total Samples: 9

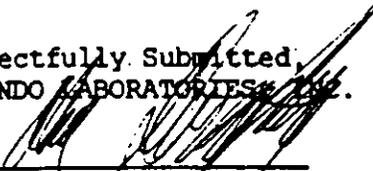
SAMPLE IDENTIFICATION

- 01 MW-1/930331/272
- 02 MW-2/930331/272
- 03 MW-3/930331/272
- 04 MW-4/930331/272
- 05 MW-5/930331/272
- 06 MW-6/930331/272
- 07 QA-1/930331/272
- 08 QA-2/930331/272
- 09 Method Blank

TEST CODES and NAMES used on this report

- 601GC Purgeable Halocarbons
- 602GC Purgeable Aromatics

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Alan Doughty, Ph.D.
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Work ID: SFWMD/585272

Work Order # 93-03-445

SAMPLE ID MN-1/930331/272
 DATE COLLECTED 03/31/93 12:10:00
 TEST NAME Purgeable Aromatics

SAMPLE# 01A
 MATRIX WATER

Sample Type Water
 Units ug/l
 Analyst RMC

Date Extracted NA
 Date Run 04/01/93
 Dilution Factor 1
 % Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>150</u>	<u>—</u>

Additional Compounds:
None Requested

Work ID: SFMMD/585272

Work Order # 93-03-445

SAMPLE ID MW-2/930331/272
DATE COLLECTED 03/31/93 11:55:00
TEST NAME Purgeable Aromatics

SAMPLE# 02A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst RMC

Date Extracted NA
Date Run 04/01/93
Dilution Factor 1
% Moisture NA

EPA Method 602

Result/Qualifier

Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>110</u>	<u>—</u>

Additional Compounds:

None Requested

Work ID: SFWMD/585272

Work Order # 93-03-445

SAMPLE ID MW-3/930331/272
 DATE COLLECTED 03/31/93 12:30:00
 TEST NAME Purgeable Aromatics

SAMPLE# 03A
 MATRIX WATER

Sample Type Water
 Units ug/l
 Analyst RMC

Date Extracted NA
 Date Run 04/01/93
 Dilution Factor 1
 % Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>—</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>20</u>	<u>—</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>7.0</u>	<u>—</u>
Methyl-tert-butyl-ether (MTBE)	<u>17</u>	<u>—</u>

Additional Compounds:

None Requested —
— —

Work ID: SFWMD/585272

Work Order # 93-03-445

SAMPLE ID MW-4/930331/272
 DATE COLLECTED 03/31/93 12:20:00
 TEST NAME Purgeable Aromatics

SAMPLE# 04A
 MATRIX WATER

Sample Type Water
 Units ug/l
 Analyst RMC

Date Extracted NA
 Date Run 04/01/93
 Dilution Factor 1
 % Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>3.0</u>	<u>—</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>2.0</u>	<u>—</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:
None Requested —
— —

Work ID: SFWMD/585272

Work Order # 93-03-445

SAMPLE ID MW-5/930331/272
 DATE COLLECTED 03/31/93 11:45:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 05A
 MATRIX WATER

Sample Type Water
 Units ug/l
 Analyst RMC

Date Extracted NA
 Date Run 04/01/93
 Dilution Factor 1
 % Moisture NA

EPA Method 601

Result/Qualifier

Chloromethane	<u>1.0</u>	<u>U</u>
Bromomethane	<u>1.0</u>	<u>U</u>
Vinyl chloride	<u>1.0</u>	<u>U</u>
Dichlorodifluoromethane	<u>1.0</u>	<u>U</u>
Chloroethane	<u>1.0</u>	<u>U</u>
Methylene Chloride	<u>1.0</u>	<u>U</u>
1,1-Dichloroethene	<u>5.0</u>	<u>U</u>
Trichlorofluoromethane	<u>1.0</u>	<u>U</u>
1,1-Dichloroethane	<u>2.0</u>	<u>U</u>
t-1,2-Dichloroethene	<u>1.0</u>	<u>U</u>
Chloroform	<u>1.0</u>	<u>U</u>
1,2-Dichloroethane	<u>1.0</u>	<u>U</u>
1,1,1-Trichloroethane	<u>1.0</u>	<u>U</u>
Carbon tetrachloride	<u>1.0</u>	<u>U</u>
Bromodichloromethane	<u>1.0</u>	<u>U</u>
1,2-Dichloropropane	<u>1.0</u>	<u>U</u>
t-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
Trichloroethene	<u>1.0</u>	<u>U</u>
Dibromochloromethane	<u>1.0</u>	<u>U</u>
1,1,2-Trichloroethane	<u>1.0</u>	<u>U</u>
c-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
2-Chloroethylvinylether	<u>1.0</u>	<u>U</u>
Bromoform	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
1,1,2,2-Tetrachloroethane	<u>1.0</u>	<u>U</u>
Tetrachloroethene	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>

Additional Compounds requested:
 None Requested.

Work ID: SFMMD/585272

Work Order # 93-03-445

SAMPLE ID MW-6/930331/272
 DATE COLLECTED 03/31/93 11:25:00
 TEST NAME Purgeable Aromatics

SAMPLE# 06A
 MATRIX WATER

Sample Type Water
 Units ug/l
 Analyst RMC

Date Extracted NA
 Date Run 04/01/93
 Dilution Factor 1
 % Moisture NA

EPA Method 602

Result/Qualifier

Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>4.0</u>	<u>—</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>5.0</u>	<u>—</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested

Wrk ID: SFYMD/585272

Work Order # 93-03-445

SAMPLE ID QA-1/930331/272
 DATE COLLECTED 03/31/93 12:25:00
 TEST NAME Purgeable Aromatics

SAMPLE# Q7A
 MATRIX WATER

Sample Type Water
 Units ug/l
 Analyst RMC

Date Extracted NA
 Date Run 04/02/93
 Dilution Factor 1
 % Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>2.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:
None Requested

Work ID: SFMMD/585272

Work Order # 93-03-445

SAMPLE ID QA-2/930331/272
DATE COLLECTED 03/31/93 12:15:00
TEST NAME Purgeable Aromatics

SAMPLE# 08A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst RMC

Date Extracted NA
Date Run 04/02/93
Dilution Factor 1
% Moisture NA

EPA Method 602

Result/Qualifier

Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested

Work ID: SFMMD/585272

Work Order # 93-03-445

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Halocarbons

SAMPLE# 09A
MATRIX METHOD BLANK

Sample Type Water
Units ug/l
Analyst RMC

Date Extracted NA
Date Run 04/01/93
Dilution Factor 1
% Moisture NA

EPA Method 601

Result/Qualifier

Chloromethane	1.0	U
Bromomethane	1.0	U
Vinyl chloride	1.0	U
Dichlorodifluoromethane	1.0	U
Chloroethane	1.0	U
Methylene Chloride	1.0	U
1,1-Dichloroethene	1.0	U
Trichlorofluoromethane	1.0	U
1,1-Dichloroethane	1.0	U
t-1,2-Dichloroethene	1.0	U
Chloroform	1.0	U
1,2-Dichloroethane	1.0	U
1,1,1-Trichloroethane	1.0	U
Carbon tetrachloride	1.0	U
Bromodichloromethane	1.0	U
1,2-Dichloropropane	1.0	U
t-1,3-Dichloropropene	1.0	U
Trichloroethene	1.0	U
Dibromochloromethane	1.0	U
1,1,2-Trichloroethane	1.0	U
c-1,3-Dichloropropene	1.0	U
2-Chloroethylvinylether	1.0	U
Bromoform	1.0	U
Chlorobenzene	1.0	U
1,1,2,2-Tetrachloroethane	1.0	U
Tetrachloroethene	1.0	U
1,2-Dichlorobenzene	1.0	U
1,3-Dichlorobenzene	1.0	U
1,4-Dichlorobenzene	1.0	U

Additional Compounds requested:
None Requested.

_____	__
_____	__
_____	__
_____	__
_____	__

Work ID: SFWMD/585272

Work Order # 93-03-445

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Aromatics

SAMPLE# 09A
MATRIX METHOD BLANK

Sample Type Water
Units ug/l
Analyst RMC

Date Extracted NA
Date Run 04/01/93
Dilution Factor 1
% Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : Water
 REPORT DATE: 4-6-1993
 EPA METHOD: 601

LAB SAMPLE # : 9303445-07
 ANALYSIS DATE: 04/01/93

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-Dichloroethane	50	0	61	122	60	120	2
1,1,1-Trichloroethane	50	0	56	112	55	110	2
1,1,2,2-Tetrachloroethane	50	0	52	104	50	100	4

MATRIX SPIKE QUALITY CONTROL LIMITS

COMPOUND	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-Dichloroethane	78	131	22	NA	NA	NA
1,1,1-Trichloroethane	66	135	28	NA	NA	NA
1,1,2,2-Tetrachloroethane	43	162	43	NA	NA	NA

ORLANDO LABORATORIES, INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : Water
 REPORT DATE: 4-6-1993
 EPA METHOD : 602

LAB SAMPLE # : 9303445-07
 ANALYSIS DATE: 04/01/93

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	ES RESULT	ES % RECOVERY	RSD RESULT	RSD % RECOVERY	RPD
toluene	100	0	102	102	100	100	2
chlorobenzene	100	0	104	104	101	101	3
ethylbenzene	100	0	104	104	102	102	2

MATRIX SPIKE QUALITY CONTROL LIMITS

COMPOUND	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
toluene	79	121	17	NA	NA	NA
chlorobenzene	80	117	16	NA	NA	NA
ethylbenzene	75	124	17	NA	NA	NA

CODES USED IN ORLANDO LABORATORIES, INC. REPORT ANALYSIS

<u>Qual</u>	<u>Definition</u>
>	Greater Than
B	Results were based upon colony counts outside the acceptable range. (TL_COL, FC_COL, FC_STP)
CFU	Colony Forming Units
D.O.	Diluted Out
G	Greater Than 200 Background Colonies
H	Value based on field kit determination and may not be accurate.
I	Internal Standard
J	Indicates an Estimated Value; value not accurate.
L	Less Than 100 Background Colonies
M	100 - 200 Background Colonies
MCL	Maximum Contaminant Level
N	Presumptive evidence of presence of material. (library search, evidence of possible interference, evidence of analyte but QC requirements for confirmation not met)
NA	Not Applicable
N/C	No Combustion
ND	Not Detected
NR	Not Requested
Q	Sample held beyond the accepted holding time.
TNTC	Too Numerous To Count
U	Indicates the compound was analyzed, but no detected. The numerical value preceding the 'U' is the limit of detection for that compound, based on dilution.
V	Analyte was detected in both the sample and the associated Method Blank.
Y	The lab analysis was from an unpreserved or improperly preserved sample.
Z	Too many colonies were present (TNTC). The numeric value represents the filtration volume (mL). (TL_COL, FC_COL, FC_STP)

ORLANDO LABORATORIES, INC. CERTIFICATIONS

<u>State</u>	<u>Drinking Water Certification</u>	<u>Environmental Certification</u>
Florida	HRS 83141	HRS E83033
Florida	----	RB 0723 (Radon in Air)
Alabama	40020	Not Required *
Georgia	----	Not Required *
Mississippi	Not Required *	Not Required *
North Carolina	12700	101
South Carolina	96016	Not Required *
Tennessee	02928	UST - listed
Virginia	00248	Not Required *

DER Comprehensive QA Approval #860106G

* Indicates no Florida state certification program is in place and/or state will accept Florida certification.

END OF REPORT

9303445
Reference Document No. 364585
Page 1 of 1

White. To accompany 587 dies Yellow. Field copy *See back of form for special instructions

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Project Name/No. 15 FVMD/585272 Samples Shipment Date 7 3/31/93 Bill to: 5 I.T. Corp - Deerfield Bch
 Sample Team Members 2 MS/SC Lab Destination 8 QLI Lab Contact 9 Judy
 Profit Center No. 3 2286 Project Contact/Phone 12 679-8299 Report to: 10 I.T. Corp - Orlando
 Project Manager 4 G. Roberts Carrier/Waybill No. 13 Gregg Roberts
 Purchase Order No. 6 937458

ONE CONTAINER PER LINE

Sample 14 Number	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on 21 Receipts	Disposal 22 Record No.
HW-1/930331/272	water	3/31 12:10	glass	80mL	HCl	601/602	FOR LAB USE ONLY	
HW-2/930331/272		1155					FOR LAB USE ONLY	
HW-3/930331/272		1230					FOR LAB USE ONLY	
HW-4/930331/272		1220					FOR LAB USE ONLY	
HW-5/930331/272		1145					FOR LAB USE ONLY	
HW-6/930331/272		1125					FOR LAB USE ONLY	
QA-1/930331/272		1225					FOR LAB USE ONLY	
QA-2/930331/272		1215					FOR LAB USE ONLY	

Special Instructions: 23

Possible Hazard Identification: 24 Non-hazard Flammable Skin Irritant Poison B Unknown Disposal by Lab Archive (mos.)

Turnaround Time Required: 26 Normal Rush GC Level: 27 I. II. III. Project Specific (specify):

1. Relinquished by 28 (Signature/Affiliation) *Maryse Spachner/IT* Date: 3/31/93 Time: 14:45
 2. Relinquished by (Signature/Affiliation) _____ Date: _____ Time: _____
 3. Relinquished by (Signature/Affiliation) _____ Date: _____ Time: _____

1. Received by 28 (Signature/Affiliation) *Gene Watkins* Date: 3/31/93 Time: 14:45
 2. Received by (Signature/Affiliation) _____ Date: _____ Time: _____
 3. Received by (Signature/Affiliation) _____ Date: _____ Time: _____

Comments: 29

RECEIVED

March 9, 1993

MAR 17 1993

MONITORING ONLY PLAN
Quarterly Status Report
October, November, December
South Florida Water Management District
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida
DER Facility No. 498520968

CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

1.0 Introduction

The following is a Quarterly Status Report for the Monitor Only Plan approved on March 3, 1991, for the South Florida Water Management District Kissimmee Pumping Station located at 80 Hoagland Boulevard in Kissimmee, Florida. The quarterly report will outline the results obtained during the fifth quarter of sampling (October, November and December of 1992).

2.0 Water Table Elevation

The hydraulic gradient was computed by collecting depth to water data using a water level sensor probe. Figure 1 is the gradient map constructed from the monitoring data collected on December 7, 1992 (Table 1). The Hydraulic Gradient map indicates that the groundwater continues to flow toward the northwest.

3.0 Groundwater Analysis Results

The six monitoring wells located at the site were sampled on December 7, 1992 by EPA Methods 601 and 602, as requested by the Florida Department of Environmental Regulation, Bureau of Waste Cleanup. The results of the EPA Method 602 analysis (Table 2) show that the purgeable aromatics benzene, toluene, ethylbenzene, and total xylene (BTEX) were not detected in any of the monitoring wells. Methyl tert-Butyl Ether (MTBE) concentrations were detected in monitoring well MW-3, but remain below the 50 ppb MTBE target level. However, MTBE concentrations of 500 ppb and 410 ppb, detected in monitoring wells MW-1 and MW-2, respectively, are above the target level set by Chapter 17-770, Florida Administrative Code (FAC). MTBE was not detected in monitoring wells MW-4, MW-5, and MW-6. The results of the purgeable halocarbons by EPA Method 601 analysis show that, with the exception of MW-2, the purgeable halocarbons concentrations in all wells remain below the Primary Drinking Water Standards contained in Section 17-550.310 FAC, and below the Florida Ground Water Guidance Concentrations distributed by the Florida Department of Environmental Regulation (FDER) in February 1989. MW-2 contains a level of 1,1 Dichloroethene

(11 ppb) which is just above the guidance concentration of 7 ppb.

Figure 2 shows that concentrations of Total BTEX were not detected in any well. Figure 3 diagrams the MTBE concentrations detected at the site. The fifth quarter laboratory analysis reports are included as Appendix A. Figure 4 depicts total purgeable halocarbons present by EPA Method 601.

Table 3 summarizes the previous laboratory results reported during the fourth quarterly sampling (February, March, and April 1992). Figures 5, 6, and 7 diagram the analytical results indicating concentrations of BTEX, MTBE, and purgeable halocarbons, respectively, during the fourth quarterly sampling.

Table 1
Quarterly Monitoring Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida
Measurements in feet
Monitor Date: December 7, 1992

Well #	Casing* Elevation	Depth To Water	Water Table Elevation	LPH**
MW-1	91.37	3.35	88.02	0
MW-2	91.31	3.26	88.05	0
MW-3	91.29	2.57	88.72	0
MW-4	91.27	2.50	88.77	0
MW-5	90.97	2.10	88.87	0
MW-6	91.19	2.18	89.01	0

* Based on estimated 90.00 ft. reference datum.

** LPH denotes liquid phase hydrocarbons

Table 2
Quarterly Analytical Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida

Sample Date: December 7, 1992

Well #	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	500
MW-2	ND	ND	ND	ND	ND	410
MW-3	ND	ND	ND	ND	ND	43
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

Table 2 (Continued)
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Date: December 7, 1992

Well #	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 601 (ppb)
MW-1	ND	ND	ND	ND	ND	ND
MW-2	11	4	ND	ND	ND	15
MW-3	3	2	ND	4	8	17
MW-4	1	1	ND	1	2	5
MW-5	7	2	ND	ND	ND	9
MW-6	ND	ND	ND	6	3	9

ND denotes not detected above the detection limit

Table 3
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Date: April 7, 1992

Well #	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	25
MW-2	ND	ND	ND	ND	ND	27
MW-3	1	ND	ND	ND	1	91
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

Table 3 (Continued)
Quarterly Analytical Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida

Sample Date: April 7, 1992

Well #	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 601 (ppb)
MW-1	ND	2	ND	ND	ND	2
MW-2	2	2	ND	ND	ND	4
MW-3	ND	ND	ND	2	4	6
MW-4	2	2	ND	1	ND	5
MW-5	5	2	ND	1	ND	8
MW-6	ND	ND	ND	9	17	26

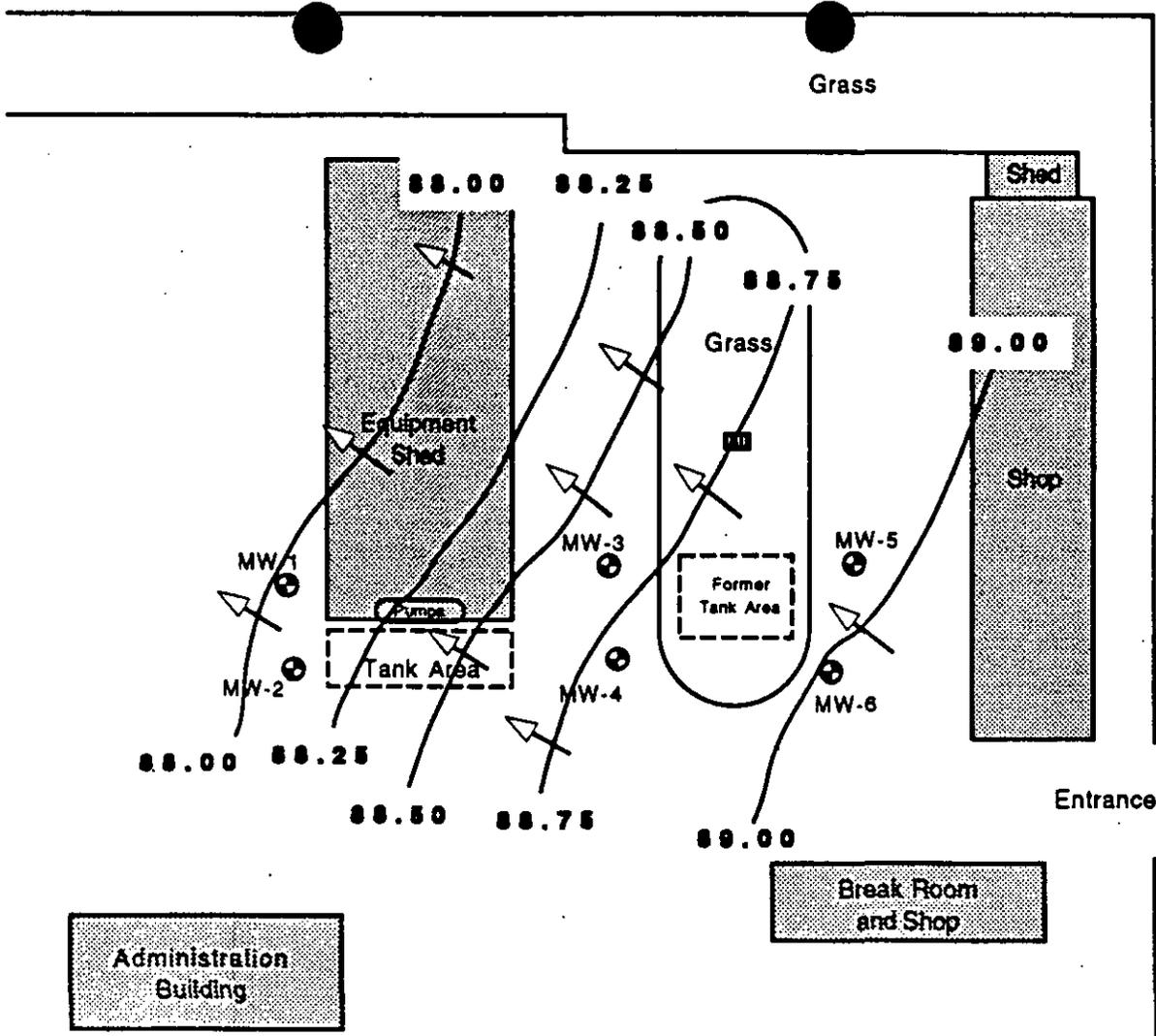
ND denotes not detected above the detection limit

Drawing Number
585272-2286-A-C27

Checked
Approved

DMFR

Drawn
By



WATER TABLE ELEVATIONS

WELL	feet
MW-1	88.02
MW-2	88.05
MW-3	88.72
MW-4	88.77
MW-5	88.87
MW-6	89.01

LEGEND

- Monitoring Well
- Surface Drain
- Water Table Elevations (feet)
- Flow Direction

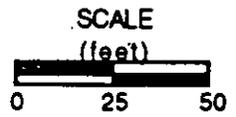


Figure 1:
HYDRAULIC GRADIENT MAP

12/07/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



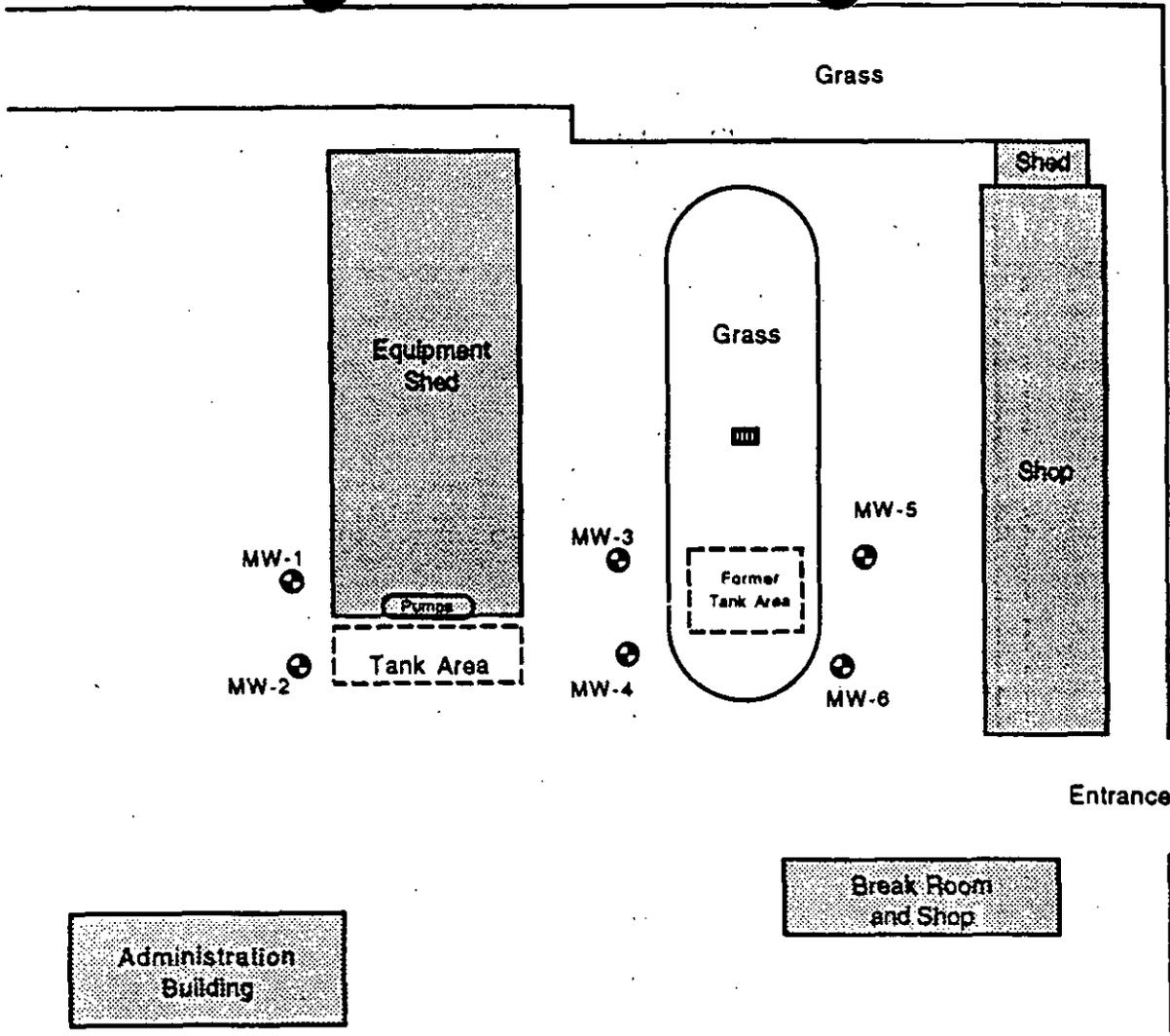
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-G28

Checked
Approved

DMR

Drawn
By

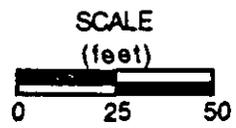


Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	ND
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1 - Total BTEX Concentration (ppb)



**Figure 2:
Total BTEX Plume Map**

12/07/92

Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



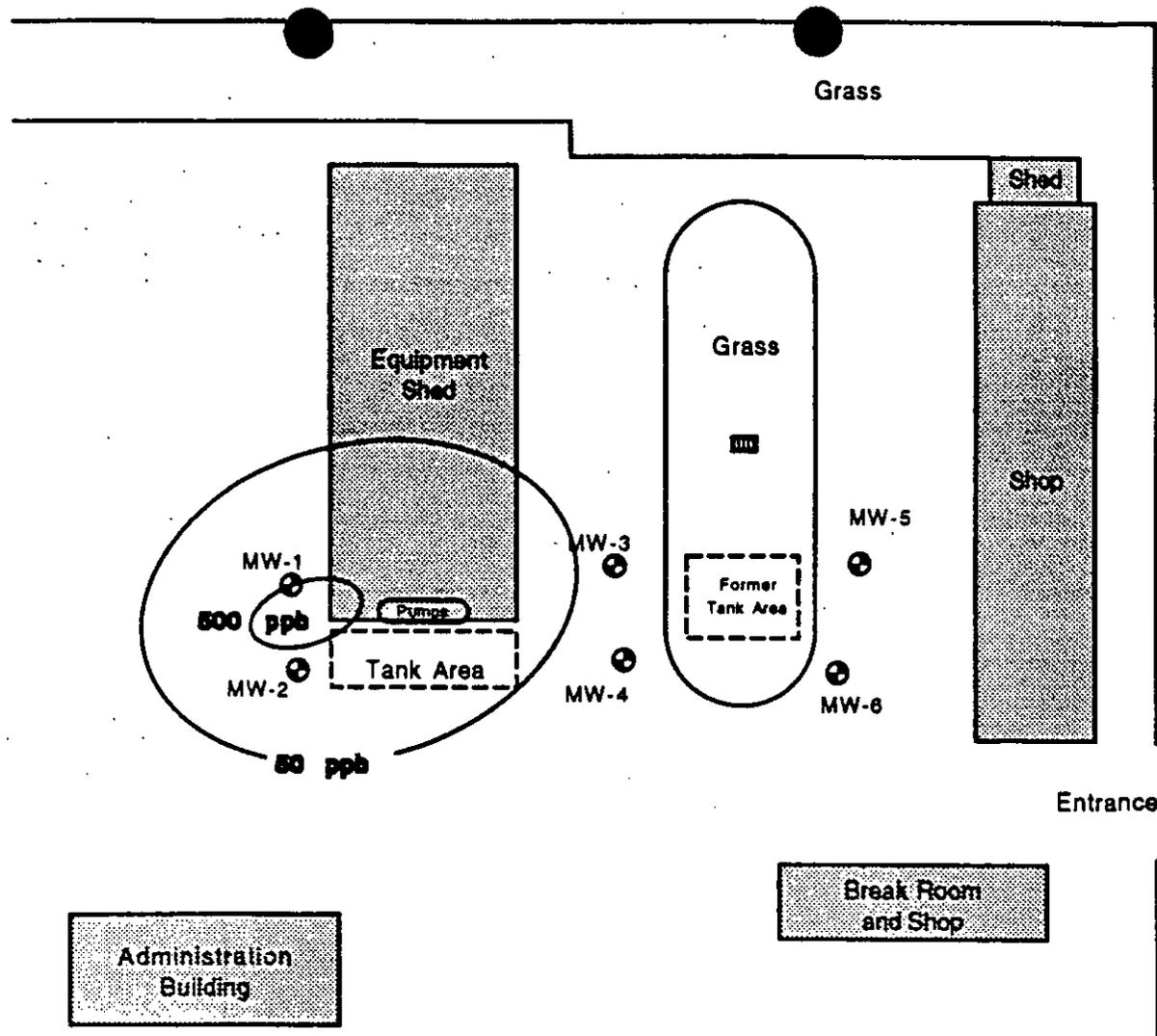
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C29

Checked
Approved

DMR

Drawn
By



MTBE Concentration

WELL	(ppb)
MW-1	500
MW-2	410
MW-3	43
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- 1- MTBE Concentration (ppb)

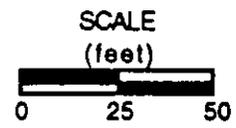


Figure 3:
Methyl tert-Butyl Ether (MTBE)
Plume Map

12/07/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



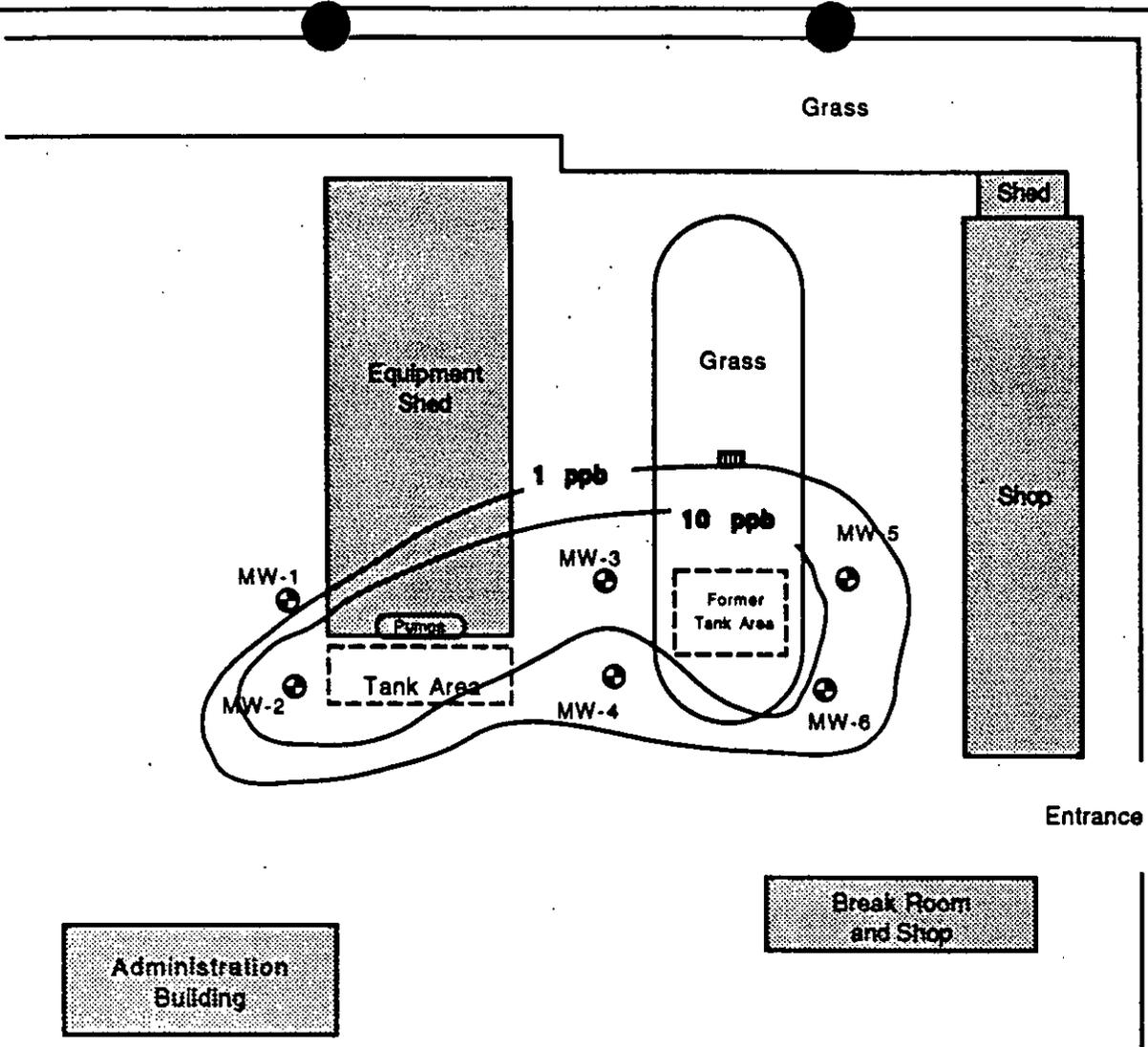
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C30

Checked
Approved

DMR

Drawn
By



Administration Building

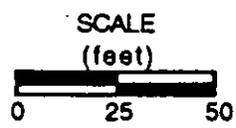
Break Room and Shop

**Total Purgeable Halocarbon
(EPA 601) Concentration**

WELL (ppb)	
MW-1	ND
MW-2	15
MW-3	17
MW-4	5
MW-5	9
MW-6	9

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1- Total Purgeable Halocarbon (EPA 601) Concentration (ppb)



**Figure 4:
Total EPA Method 601
Plume Map**

12/07/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



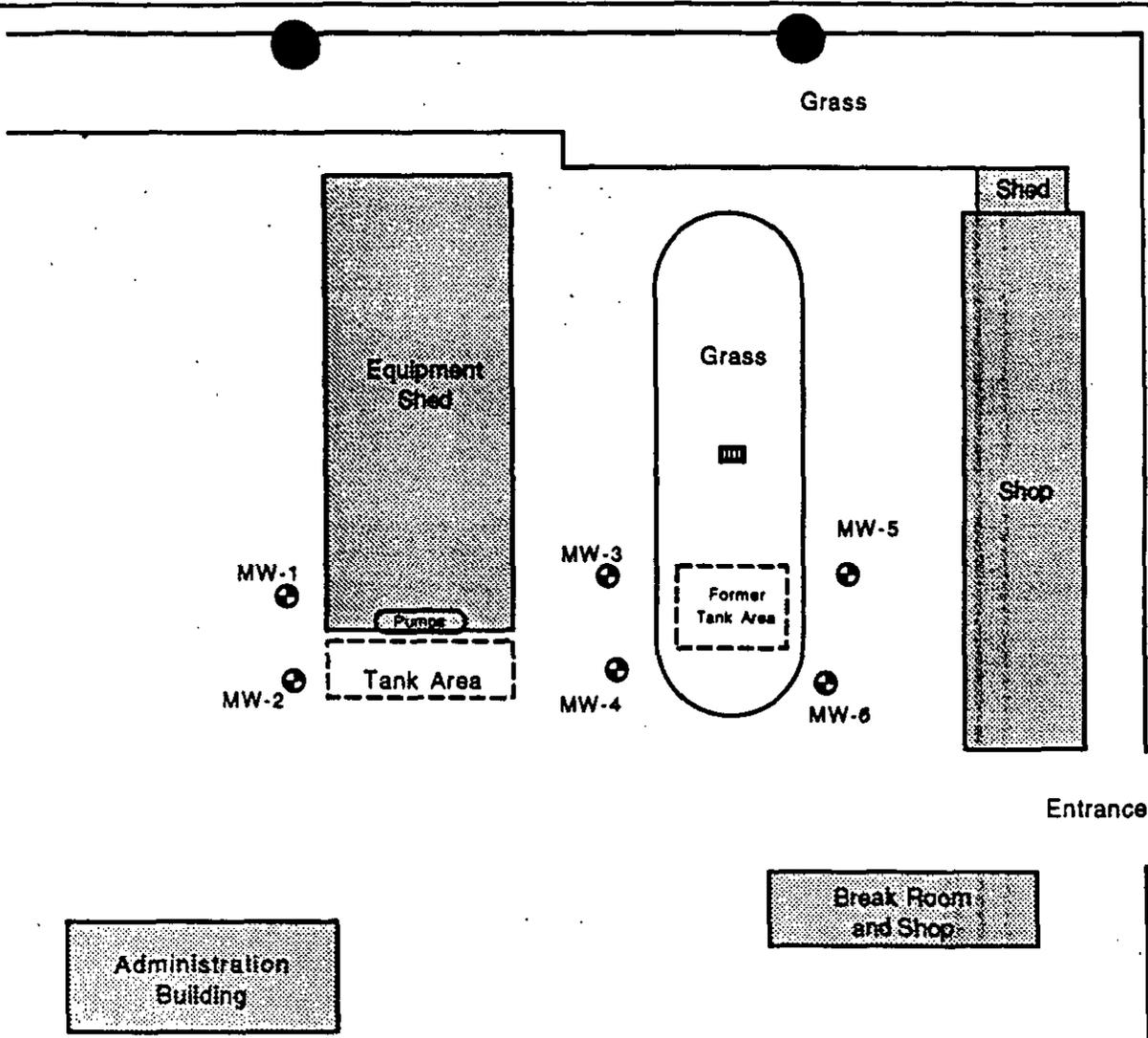
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C31

Checked
Approved

DMIR

Drawn
By



Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	1
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1- Total BTEX Concentration (ppb)



Figure 5:
Total BTEX Plume Map
04/07/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



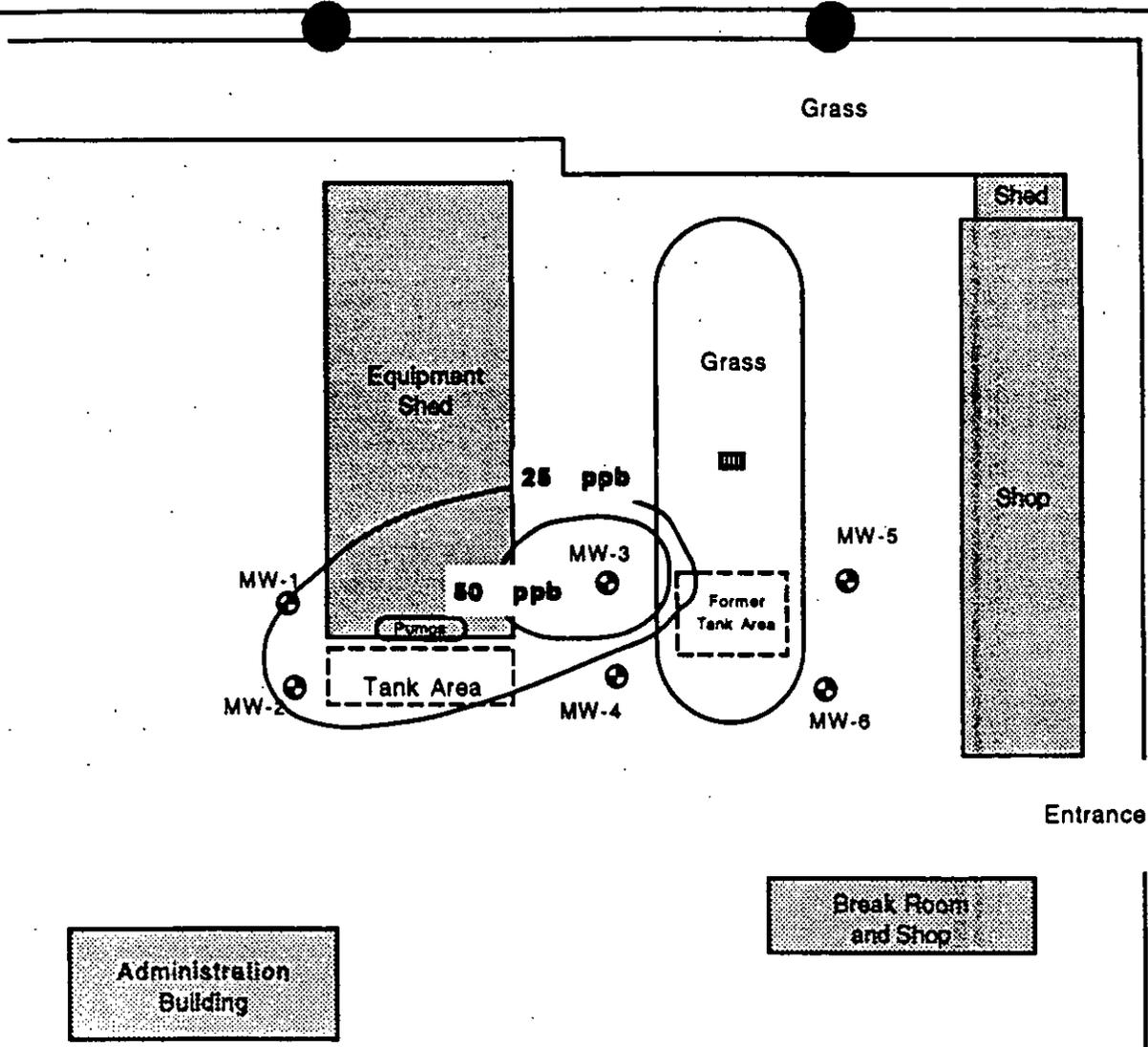
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C32

Checked
Approved

DMIR

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By



MTBE Concentration

WELL	(ppb)
MW-1	25
MW-2	27
MW-3	91
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1- MTBE Concentration (ppb)

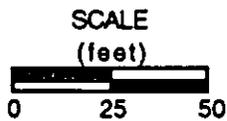


Figure 6:
Methyl tert-Butyl Ether (MTBE)
Plume Map

04/07/92

Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



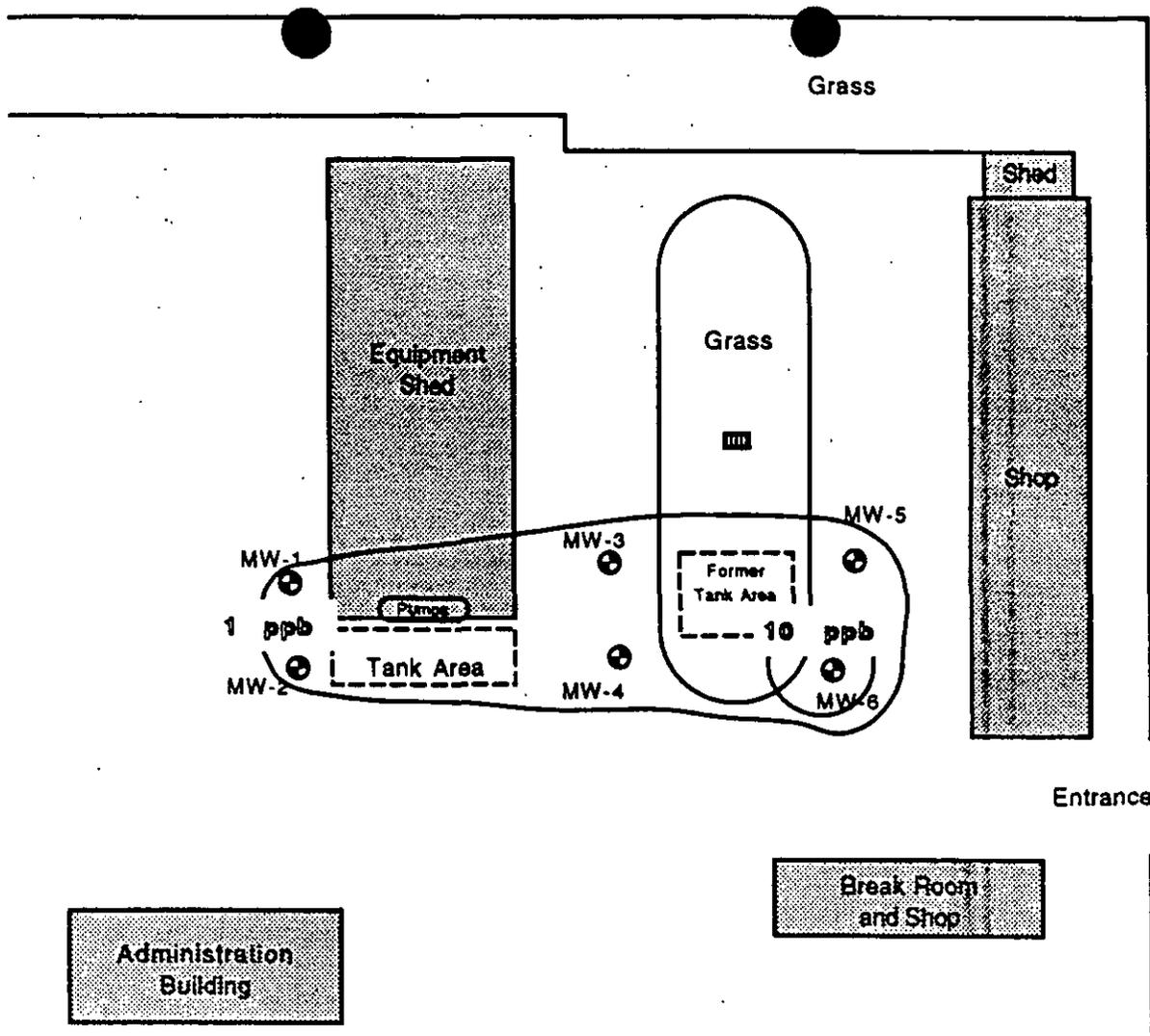
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C33

Checked
Approved

DMR

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By



**Total Purgeable Halocarbon
(EPA 601) Concentration**

WELL	(ppb)
MW-1	2
MW-2	4
MW-3	6
MW-4	5
MW-5	8
MW-6	26

LEGEND

- ⊕ Monitoring Well
- ▣ Surface Drain
- 1 - Total Purgeable Halocarbon (EPA 601) Concentration (ppb)



**Figure 7:
Total EPA Method 601
Plume Map**

04/07/92

Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



Rev.	Description	Date	Approved



ORLANDO LABORATORIES INC

P.O. BOX 149127 • ORLANDO, FLORIDA 32814

(407) 896-6645 • FAX: (407) 898-6588

REPORT OF ANALYSIS

IT Environmental Services
7119 University Blvd.
Winter Park, FL 32792

Work Order # : 92-12-114
Date Received: 12/07/92
Date Reported: 12/17/92
OLI Contact: J_BEATO

Attn: Gregg Roberts

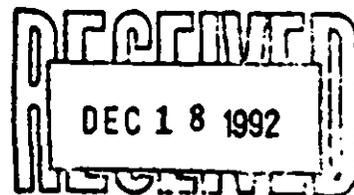
Work ID: 585272 SFWMD
Samples collected by: Client
Total Samples: 9

SAMPLE IDENTIFICATION

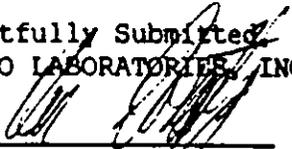
01 MW-1/921207/272
02 MW-2/921207/272
03 MW-3/921207/272
04 MW-4/921207/272
05 MW-5/921207/272
06 MW-6/921207/272
07 QA-1/921207/272
08 QA-2/921207/272
09 Method Blank

TEST CODES and NAMES used on this report

601GC Purgeable Halocarbons
602GC Purgeable Aromatics



Respectfully Submitted
ORLANDO LABORATORIES, INC.


Alan Doughty, Ph.D.
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Work ID: 585272 SFWMD

Work Order # 92-12-114

SAMPLE ID: MW-1/921207/272
DATE COLLECTED: 12/07/92 12:55:00
TEST NAME: Purgeable Halocarbons

SAMPLE# 01A
MATRIX WATER

Sample Type: Water
Units: ug/l
Analyst: MM

Date Extracted: NA
Date Run: 12/09/92
Dilution Factor: 5
% Moisture: NA

EPA Method 601

Result/Qualifier

Chloromethane	5.0	U
Bromomethane	5.0	U
Vinyl chloride	5.0	U
Dichlorodifluoromethane	5.0	U
Chloroethane	5.0	U
Methylene Chloride	5.0	U
1,1-Dichloroethene	5.0	U
Trichlorofluoromethane	5.0	U
1,1-Dichloroethane	5.0	U
t-1,2-Dichloroethene	5.0	U
Chloroform	5.0	U
1,2-Dichloroethane	5.0	U
1,1,1-Trichloroethane	5.0	U
Carbon tetrachloride	5.0	U
Bromodichloromethane	5.0	U
1,2-Dichloropropane	5.0	U
t-1,3-Dichloropropene	5.0	U
Trichloroethene	5.0	U
Dibromochloromethane	5.0	U
1,1,2-Trichloroethane	5.0	U
c-1,3-Dichloropropene	5.0	U
2-Chloroethylvinylether	5.0	U
Bromoform	5.0	U
Chlorobenzene	5.0	U
1,1,2,2-Tetrachloroethane	5.0	U
Tetrachloroethene	5.0	U
1,2-Dichlorobenzene	5.0	U
1,3-Dichlorobenzene	5.0	U
1,4-Dichlorobenzene	5.0	U

Additional Compounds requested:
None Requested.

*I think it
was detected at
detection limit of 5 ug/l*

Elevated detection limits caused by dilution of sample. Dilution was necessary because 602 compound concentrations were outside of calibration range.

Work ID: 585272 SFWMD

Work Order # 92-12-114

SAMPLE ID MW-1/921207/272
 DATE COLLECTED 12/07/92 12:55:00
 TEST NAME Purgeable Aromatics

SAMPLE# 01A
 MATRIX WATER

Sample Type Water
 Units ug/l
 Analyst MM

Date Extracted NA
 Date Run 12/09/92
 Dilution Factor 5
 % Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>5.0</u>	<u>U</u>
Toluene	<u>5.0</u>	<u>U</u>
Chlorobenzene	<u>5.0</u>	<u>U</u>
Ethylbenzene	<u>5.0</u>	<u>U</u>
Total Xylenes	<u>5.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>5.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>5.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>5.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>500</u>	<u>—</u>

Additional Compounds:
None Requested —
— —

Elevated detection limits caused by dilution of sample. Dilution was necessary because compound concentrations were outside of calibration range.

Work ID: 585272 SFWMD

Work Order # 92-12-114

SAMPLE ID MW-2/921207/272
 DATE COLLECTED 12/07/92 12:50:00
 TEST NAME Purgeable Aromatics

SAMPLE# 02A
 MATRIX WATER

Sample Type Water
 Units ug/l
 Analyst MM

Date Extracted NA
 Date Run 12/10/92
 Dilution Factor 5
 % Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>5.0</u>	<u>U</u>
Toluene	<u>5.0</u>	<u>U</u>
Chlorobenzene	<u>5.0</u>	<u>U</u>
Ethylbenzene	<u>5.0</u>	<u>U</u>
Total Xylenes	<u>5.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>5.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>5.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>5.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>410</u>	<u>---</u>

Additional Compounds:
None Requested ---

Elevated detection limits caused by dilution of sample. Dilution was necessary because compound concentrations were outside of calibration range.

Work ID: 585272 SFMMD

Work Order # 92-12-114

SAMPLE ID MW-3/921207/272
DATE COLLECTED 12/07/92 12:45:00
TEST NAME Purgeable Aromatics

SAMPLE# 03A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst MM

Date Extracted NA
Date Run 12/09/92
Dilution Factor 1
% Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>8.0</u>	<u>—</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>4.0</u>	<u>—</u>
Methyl-tert-butyl-ether (MTBE)	<u>43</u>	<u>—</u>

Additional Compounds:
None Requested —
— —

Work ID: 585272 SFWMD

Work Order # 92-12-114

SAMPLE ID MW-4/921207/272
DATE COLLECTED 12/07/92 12:25:00
TEST NAME Purgeable Aromatics

SAMPLE# 04A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst MM

Date Extracted NA
Date Run 12/09/92
Dilution Factor 1
% Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>2.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested ---

Work ID: 585272 SFWMD

Work Order # 92-12-114

SAMPLE ID MW-5/921207/272
DATE COLLECTED 12/07/92 12:30:00
TEST NAME Purgeable Aromatics

SAMPLE# 05A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst MM

Date Extracted NA
Date Run 12/08/92
Dilution Factor 1
% Moisture NA

EPA Method 602

Result/Qualifier

Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested _____

Work ID: 585272 SFMMD

Work Order # 92-12-114

SAMPLE ID MW-6/921207/272
DATE COLLECTED 12/07/92 12:15:00
TEST NAME Purgeable Aromatics

SAMPLE# 06A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst MM

Date Extracted NA
Date Run 12/08/92
Dilution Factor 1
% Moisture NA

EPA Method 602

Result/Qualifier

Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>3.0</u>	<u>—</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>6.0</u>	<u>—</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested

Work ID: 585272 SFMMD

Work Order # 92-12-114

SAMPLE ID QA-1/921207/272
DATE COLLECTED 12/07/92 12:35:00
TEST NAME Purgeable Aromatics

SAMPLE# 07A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst MM

Date Extracted NA
Date Run 12/08/92
Dilution Factor 1
% Moisture NA

EPA Method 602

Result/Qualifier

Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested

Work ID: 585272 SFWMD

Work Order # 92-12-114

SAMPLE ID QA-2/921207/272
DATE COLLECTED 12/07/92 13:10:00
TEST NAME Purgeable Halocarbons

SAMPLE# 08A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst MM

Date Extracted NA
Date Run 12/08/92
Dilution Factor 1
% Moisture NA

EPA Method 601

Result/Qualifier

Chloromethane	<u>1.0</u>	<u>U</u>
Bromomethane	<u>1.0</u>	<u>U</u>
Vinyl chloride	<u>1.0</u>	<u>U</u>
Dichlorodifluoromethane	<u>1.0</u>	<u>U</u>
Chloroethane	<u>1.0</u>	<u>U</u>
Methylene Chloride	<u>1.0</u>	<u>U</u>
1,1-Dichloroethene	<u>1.0</u>	<u>U</u>
Trichlorofluoromethane	<u>1.0</u>	<u>U</u>
1,1-Dichloroethane	<u>1.0</u>	<u>U</u>
t-1,2-Dichloroethene	<u>1.0</u>	<u>U</u>
Chloroform	<u>1.0</u>	<u>U</u>
1,2-Dichloroethane	<u>1.0</u>	<u>U</u>
1,1,1-Trichloroethane	<u>1.0</u>	<u>U</u>
Carbon tetrachloride	<u>1.0</u>	<u>U</u>
Bromodichloromethane	<u>1.0</u>	<u>U</u>
1,2-Dichloropropane	<u>1.0</u>	<u>U</u>
t-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
Trichloroethene	<u>1.0</u>	<u>U</u>
Dibromochloromethane	<u>1.0</u>	<u>U</u>
1,1,2-Trichloroethane	<u>1.0</u>	<u>U</u>
c-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
2-Chloroethylvinylether	<u>1.0</u>	<u>U</u>
Bromoform	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
1,1,2,2-Tetrachloroethane	<u>1.0</u>	<u>U</u>
Tetrachloroethene	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Additional Compounds requested:		
None Requested.		

Work ID: 585272 SFMMD

Work Order # 92-12-114

SAMPLE ID QA-2/921207/272
DATE COLLECTED 12/07/92 13:10:00
TEST NAME Purgeable Aromatics

SAMPLE# Q8A
MATRIX WATER

Sample Type Water
Units ug/l
Analyst MM

Date Extracted NA
Date Run 12/08/92
Dilution Factor 1
% Moisture NA

EPA Method 602

Result/Qualifier

Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested

ID: 585272 SFWMD

Work Order # 92-12-114

SAMPLE ID Method Blank
 DATE COLLECTED not specified
 TEST NAME Purgeable Aromatics

SAMPLE# 09A
 MATRIX METHOD BLANK

Sample Type Water
 Units ug/l
 Analyst MM

Date Extracted NA
 Date Run 12/08/92
 Dilution Factor 1
 % Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>

Additional Compounds:

None Requested _____



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD *

Reference Document No. **364554**
Page 1 of 1

White. To accompany samples Yellow Field copy *See back of form for special instructions

Project Name/No. **1 SFIPMD 585072** Samples Shipment Date **7 12-7-92**
 Sample Team Members **2 D. ROZZANO** Lab Destination **8 OLI**
 Profit Center No. **3 2286** Lab Contact **9 JUDY**
 Project Manager **4 GREG ROBERTS** Project Contact/Phone **12 6798299**
 Purchase Order No. **6 937433** Carrier/Waybill No. **13**
 Report to: **10 I.T. Corporation**
Winter Park

Required Report Date **11**

ONE CONTAINER PER LINE

Sample Number	Sample 15 Description/Type	Date/Time Collected	Container Type	Sample Volume	Pre-19 preservative	Requested Testing Program	Condition on Receipt	Disposal Record No.
MW-1 921207072	water	12/7 12:55	glass	80mL	HEL	6011602	FOR LAB USE ONLY	
MW-2 921207072		12:50		80mL				
MW-3 921207072		12:45						
MW-4 921207072		12:35						
MW-5 921207072		12:30						
MW-6 921207072		12:15						
QA-1 921207072		12:35		✓			FOR LAB USE ONLY	
QA-2 921207072		13:10	✓	40mL	✓			

Special Instructions: **23 Only one 40mL vial for QA-2**

Possible Hazard Identification: **24**

Non-hazard Flammable Skin Irritant Poison B Unknown Disposal by Lab Archive (mos.)

Sample Disposal: **25**

Return to Client:

Turnaround Time Required: **26**

Normal Rush OC Level: **27**

Project Specific (specify):

1. Relinquished by **28** **Dennis Rozzano** Date: **12-7-92**
 (Signature/Affiliation) Time: **15:01**

1. Received by **28**
 (Signature/Affiliation) **Dennis Rozzano**

Date: **12/7/92**
Time: **15:00**

2. Relinquished by
 (Signature/Affiliation)

Date:
Time:

2. Received by
 (Signature/Affiliation)

Date:
Time:

3. Relinquished by
 (Signature/Affiliation)

Date:
Time:

3. Received by
 (Signature/Affiliation)

Date:
Time:

Comments: **29**



Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

September 28, 1992

CERTIFIED
P-399-935-737

James K. Sturgis, P.E.
Project Manager
South Florida Water
Management District
Post Office Box 24680
West Palm Beach, FL 333416-4680

OCD-TK-92-0315

Osceola County - TK/PC
SFWMD - Kissimmee Field Station
FDER #498520968
Monitoring Data Review

Dear Mr. Sturgis:

The Department has reviewed the May 1992 monitoring report for the referenced site. The concentrations of BTEX have dropped at the site. However, the MTBE and purgeable halocarbons have fluctuated and the MTBE is now above the action level of 17-770, F.A.C.

The Department will require additional monitoring at this site. Please submit two more quarters of monitoring data to discern the trend of MTBE and halocarbon concentrations following the previous time schedule at this site.

If you have any questions, please contact me at (407) 894-7555.

Sincerely,

Deborah B. Metrin, P.G.
Program Manager
Storage Tank/Petroleum Cleanup

DBM/gw

c: Steve Brashers, IT Corporation, Deerfield Beach
Gregg Roberts, IT Corporation, Winter Park

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to:

MR JAMES K STURGIS P E
SOUTH FLORIDA WATER
MANAGEMENT DISTRICT
POST OFFICE BOX 24680
WEST PALM BEACH FL 33416-4680

4. Article Number

P-399-935-737

Type of Service:

- Registered Insured
 Certified COD
 Express Mail Return Receipt
for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee

X

6. Signature - Agent

X

7. Date of Delivery

OCT 5 1992

8. Addressee's Address (ONLY if requested and fee paid)

(TANKS PROGRAM)



South Florida Water Management District

3301 Gun Club Road • P.O. Box 24680 • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 14

September 21, 1992

Ms. Deborah Metrin
Florida Department of
Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767



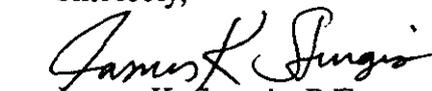
Dear Ms. Metrin:

Subject: Fourth Quarter Monitoring Report for Kissimmee Field Station;
DER Fac. #498520968

I have enclosed a copy of the fourth quarterly status report (dated May 14, 1992) for the Monitoring Plan at Kissimmee Field Station. The six monitoring wells located at the site were sampled in April for EPA Methods 601 and 602 as requested in your letter of September 23, 1991. I apologize for the delay in forwarding the report to you.

After you have reviewed the report, please call me at (407) 687-6288 to discuss the results of the one year monitoring program.

Sincerely,


James K. Sturgis, P.E.
Project Manager

JKS/js

Enclosure

c: Steve Brashers, IT Corporation, Deerfield Beach
Gregg Roberts, IT Corporation, Winter Park

Governing Board:

Allan Milledge, Chairman - Miami
Valerie Boyd, Vice Chairman - Naples
Ken Adams - West Palm Beach

James E. Nall - Fort Lauderdale
Annie Betancourt - Miami
Franklin B. Mann - Fort Myers

Leah G. Schad - West Palm Beach
Frank Williamson, Jr. - Okeechobee
Eugene K. Pettis - Fort Lauderdale

Tilford C. Creel, Executive Director
Thomas K. MacVicar, Deputy Executive Director

May 14, 1992

MONITORING ONLY PLAN
Quarterly Status Report
March, April, May
South Florida Water Management District
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida
DER Facility No. 498520968

1.0 Introduction

The following is a Quarterly Status Report for the Monitor Only Plan approved on March 3, 1991, for the South Florida Water Management District Kissimmee Pumping Station located at 80 Hoagland Boulevard in Kissimmee, Florida. The quarterly report will outline the results obtained during the fourth quarter of sampling.

2.0 Water Table Elevation

Water level data was collected for fluid elevations using a water level sensor probe. Figure 1 is the gradient map constructed from the monitoring data collected on April 7, 1992 (Table 1). The Hydraulic gradient map indicates that the groundwater continues to flow toward the west.

3.0 Groundwater Analysis Results

This quarter, the six monitoring wells located at the site were sampled for EPA Methods 601 and 602, as requested by the Florida Department of Environmental Regulation, Bureau of Waste Cleanup. The results of the EPA Method 602 analysis (Table 2) show that the purgeable aromatics benzene, toluene, ethylbenzene, and total xylene (BTEX) were not detected in monitoring wells MW-1, MW-2, MW-4, MW-5 and MW-6. Benzene concentration of 1 ppb was detected in MW-3. Methyl tert-Butyl Ether (MTBE) concentrations were detected in monitoring wells MW-1 and MW-2, but remain below the 50 ppb MTBE target level set by the approved monitoring program. The Methyl tert-Butyl Ether (MTBE) concentration of 91 ppb, detected in monitoring well MW-3 is slightly above the target level set by Chapter 17.770 Florida Administrative Code (FAC). MTBE was not detected above the detection limit in monitoring wells MW-4, MW-5, and MW-6.

Figure 2 diagrams the absence of Total BTEX concentrations with the exception of 1 ppb of Benzene detected in MW-3, Figure 3 diagrams the MTBE concentrations detected at the site. The results of the EPA Method 601 analysis (Figure 4) show that the purgeable halocarbons concentrations remain below the Primary Drinking Water

Standards contained in Section 17-550.310 FAC, and the Florida Ground Water Guidance Concentrations distributed by the Florida Department of Environmental Regulation (FDER) in February 1989, with the exception of 17 ppb of chlorobenzene detected in monitoring well MW-6. The fourth quarter laboratory analysis reports are included as Appendix A.

Table 3 summarizes the laboratory results reported during the third quarterly sampling. Figures 5, 6, and 7 diagram the analytical results of the BTEX, MTBE, and EPA Method 601 concentrations respectively during the third quarterly sampling.

Table 1
Quarterly Monitoring Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida
Measurements in feet
Monitor Date: April 7, 1992

Well	Casing* Elevation	Depth To Water	Water Table Elevation	LPH**
MW-1	91.37	4.78	86.59	0
MW-2	91.31	4.67	86.64	0
MW-3	91.29	3.96	87.33	0
MW-4	91.27	3.93	87.34	0
MW-5	90.97	3.53	87.44	0
MW-6	91.19	3.56	87.63	0

* Based on estimated 90.00 ft. reference datum.

** LPH denotes liquid phase hydrocarbons

Table 2
Quarterly Analytical Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida

Sample Dates: April 7, 1992

Well	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	25
MW-2	ND	ND	ND	ND	ND	27
MW-3	1	ND	ND	ND	1	91
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

Table 2 (Continued)
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Date: April 7, 1992

Well	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 601 (ppb)
MW-1	ND	2	ND	ND	ND	2
MW-2	2	2	ND	ND	ND	4
MW-3	ND	ND	ND	2	4	6
MW-4	2	2	ND	1	ND	5
MW-5	5	2	ND	1	ND	8
MW-6	ND	ND	ND	9	17	26

ND denotes not detected above the detection limit

Table 3
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Dates: January 8, 1992

Well	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	44
MW-2	ND	ND	ND	ND	ND	8
MW-3	ND	ND	ND	ND	ND	76
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

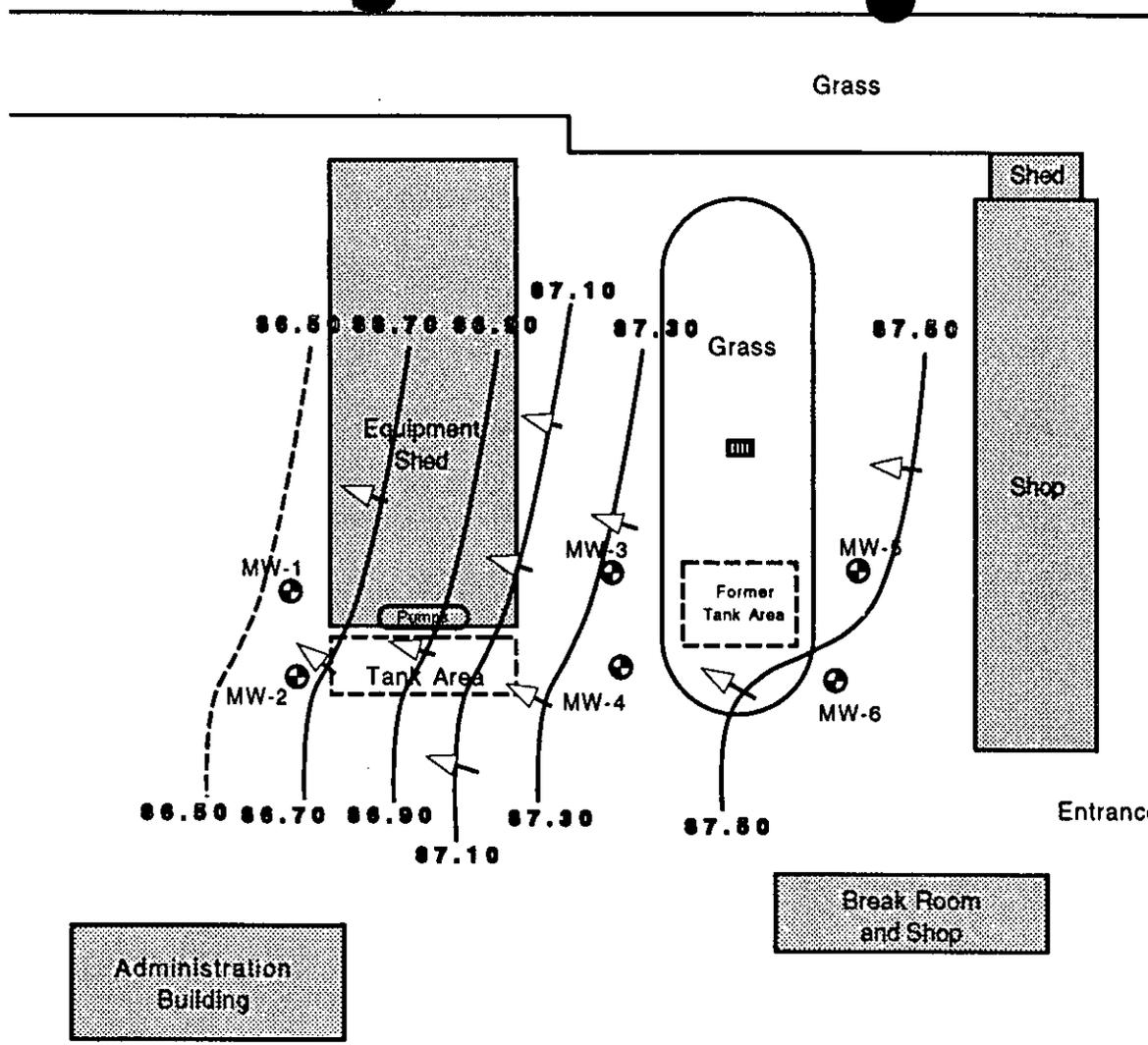
Table 3 (Continued)
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Date: January 8, 1992

Well	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 601 (ppb)
MW-1	ND	5	ND	ND	ND	5
MW-2	1	3	ND	ND	ND	4
MW-3	3	2	ND	1	1	7
MW-4	3	1	ND	1	ND	5
MW-5	9	4	ND	2	ND	15
MW-6	1	ND	ND	4	10	15

ND denotes not detected above the detection limit

Drawing Number
 585272-2286-A-C20
 Checked
 Approved
 DMR
 Drawn
 By



Administration Building

Break Room and Shop

WATER TABLE ELEVATIONS

WELL	feet
MW-1	86.59
MW-2	86.64
MW-3	87.33
MW-4	87.34
MW-5	87.44
MW-6	87.63

LEGEND

- Monitoring Well
- Surface Drain
- Water Table Elevations (feet)
- Flow Direction

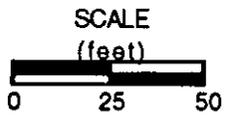


Figure 1:
HYDRAULIC GRADIENT MAP

04/07/92
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



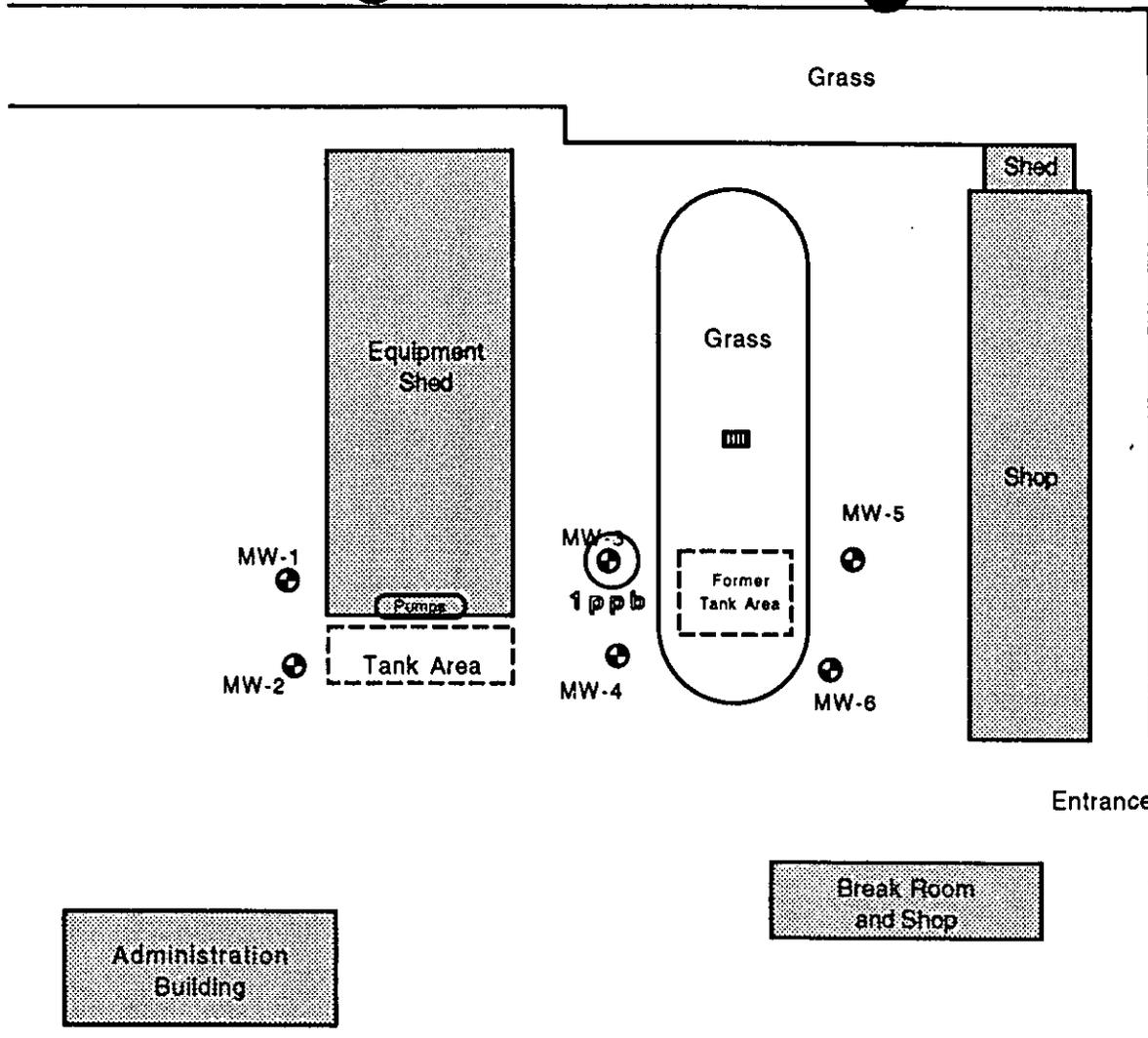
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C21

Checked
Approved

DMR

Drawn
By

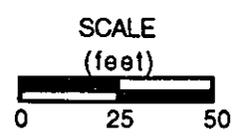


Total BTEX Concentration

WELL	(ppb)	8/91
MW-1	ND	ND
MW-2	ND	ND
MW-3	1	4
MW-4	ND	8
MW-5	ND	ND
MW-6	ND	ND

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1 - Total BTEX Concentration (ppb)



**Figure 2:
Total BTEX Plume Map**

04/07/92

Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



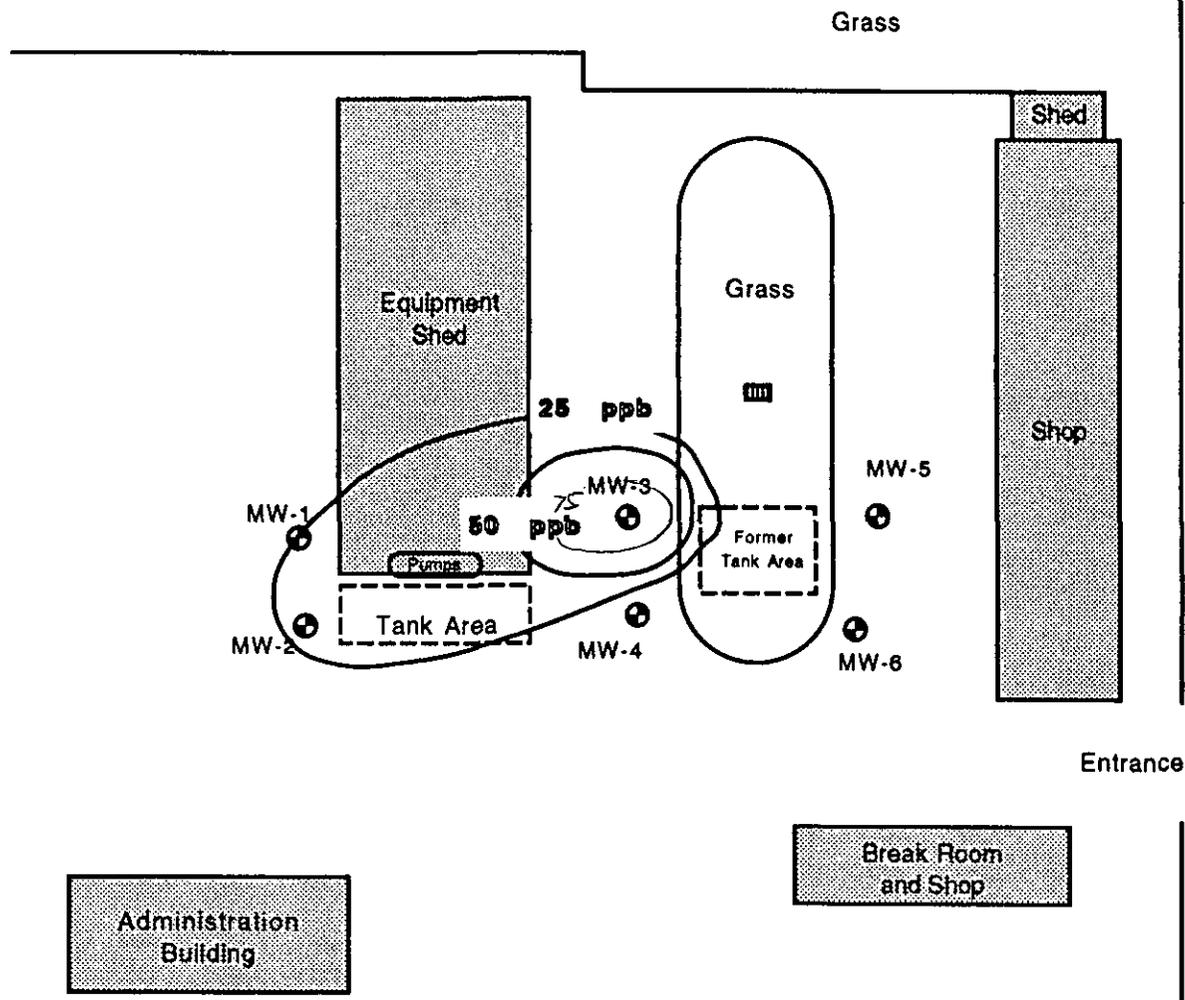
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C22

Checked
Approved

DMR

Drawn
By



Administration Building

Break Room and Shop

MTBE Concentration

WELL	(ppb)	
MW-1	25	2191
MW-2	27	38
MW-3	91	21
MW-4	ND	44
MW-5	ND	ND
MW-6	ND	ND

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1- MTBE Concentration (ppb)

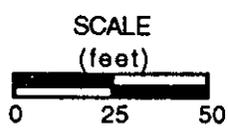


Figure 3:
Methyl tert-Butyl Ether (MTBE)
Plume Map

04/07/92

Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



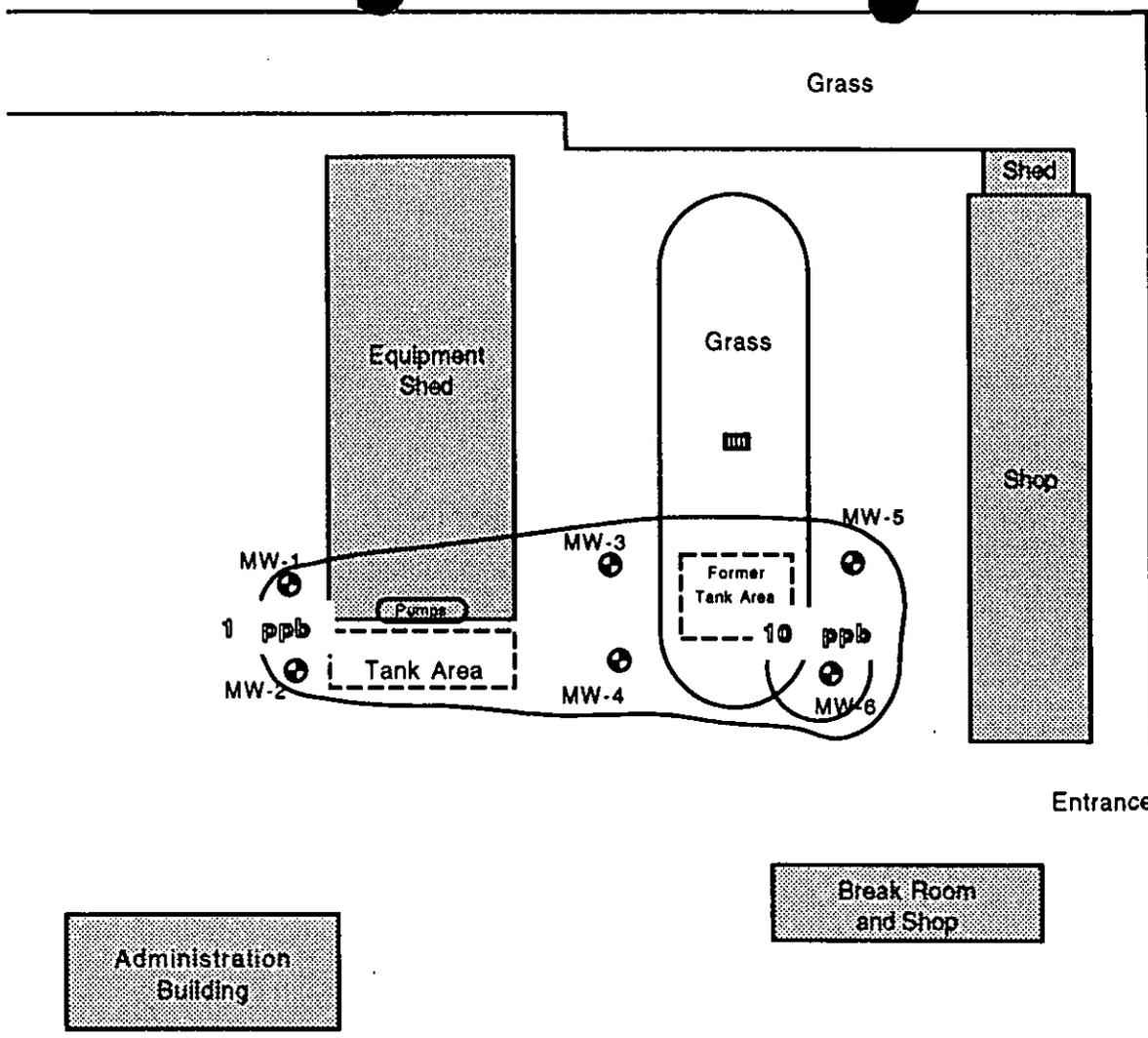
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C23

Checked
Approved

DMR

Drawn
By

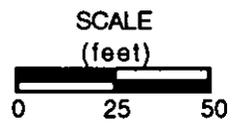


**Total Purgeable Halocarbon
(EPA 601) Concentration**

WELL	(ppb)	
MW-1	2	8191
MW-2	4	4
MW-3	6	4
MW-4	5	5
MW-5	8	3
MW-6	26	22
		15

LEGEND

- ⊕ Monitoring Well
- ▣ Surface Drain
- 1- Total Purgeable Halocarbon (EPA 601) Concentration (ppb)



**Figure 4:
Total EPA Method 601
Plume Map**

04/07/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



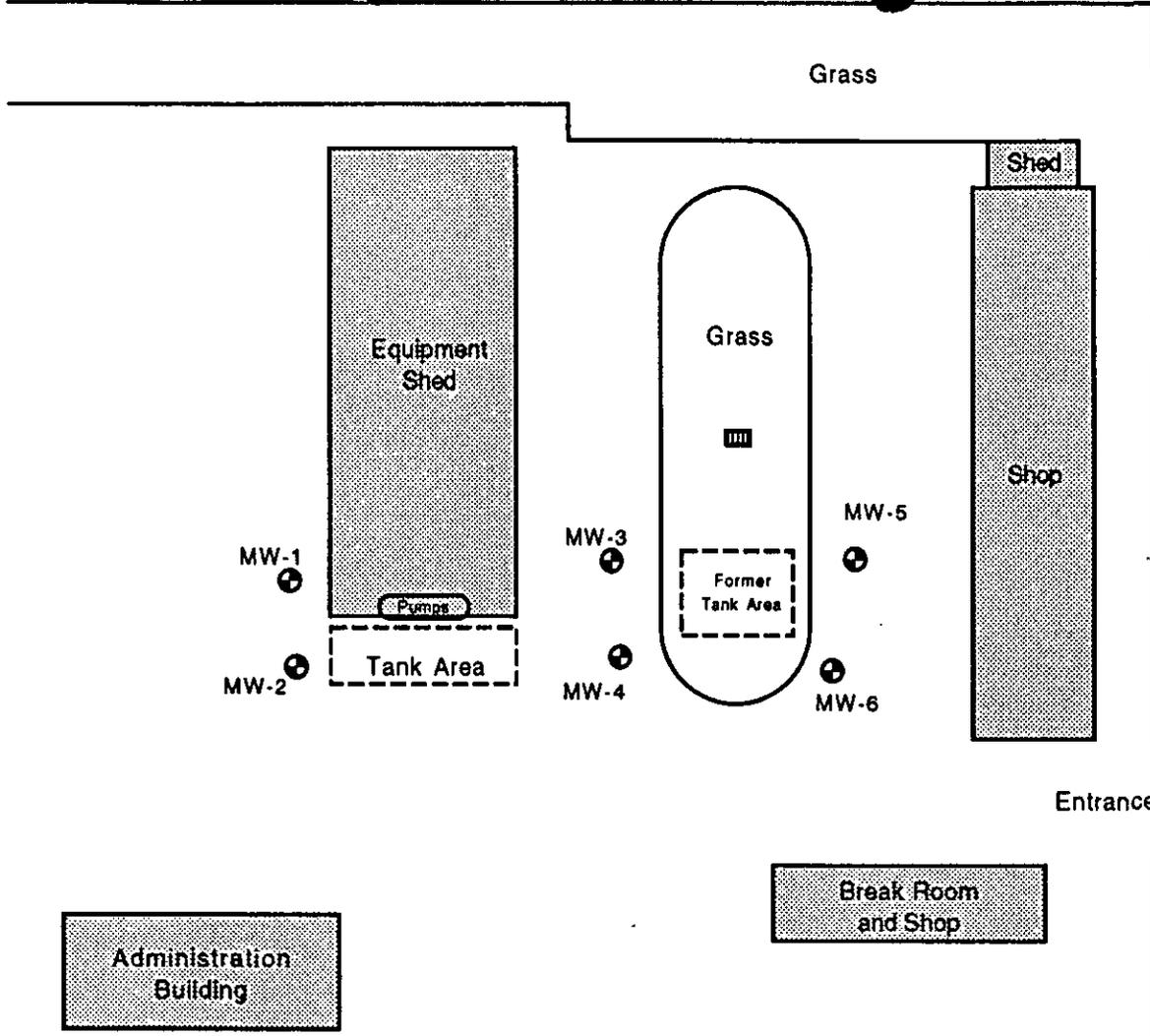
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Drawing Number
585272-2286-A-C24

Checked
Approved

DMR

Drawn
BY

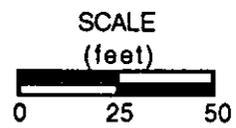


Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	ND
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1- Total BTEX Concentration (ppb)



**Figure 5:
Total BTEX Plume Map**

01/08/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



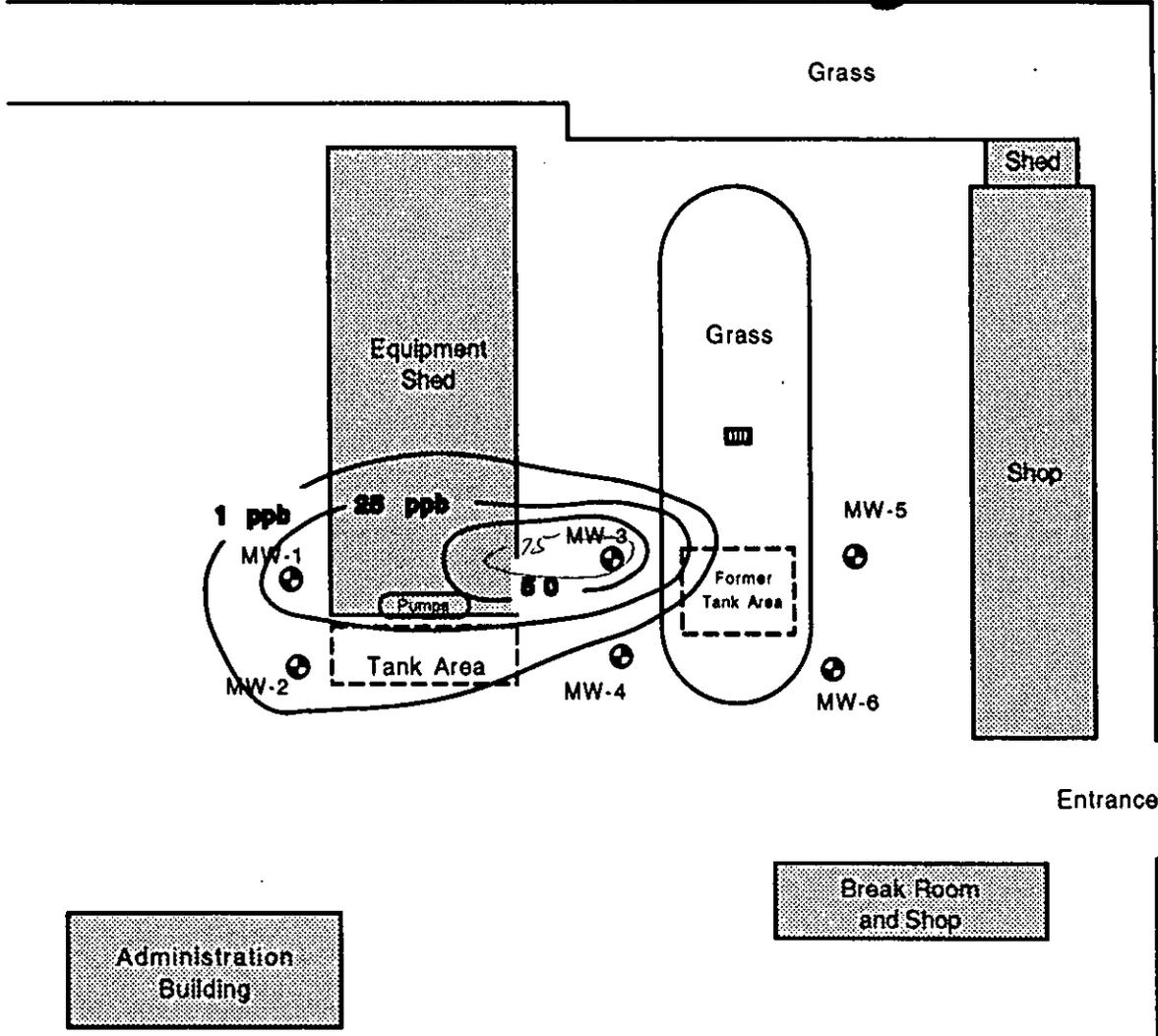
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C25

Checked
Approved

DMR

Drawn
By

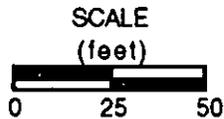


MTBE Concentration

WELL	(ppb)
MW-1	44
MW-2	8
MW-3	76
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- ⊗ Monitoring Well
- ▨ Surface Drain
- 1- MTBE Concentration (ppb)



**Figure 6:
Methyl tert-Butyl Ether (MTBE)
Plume Map**

01/08/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



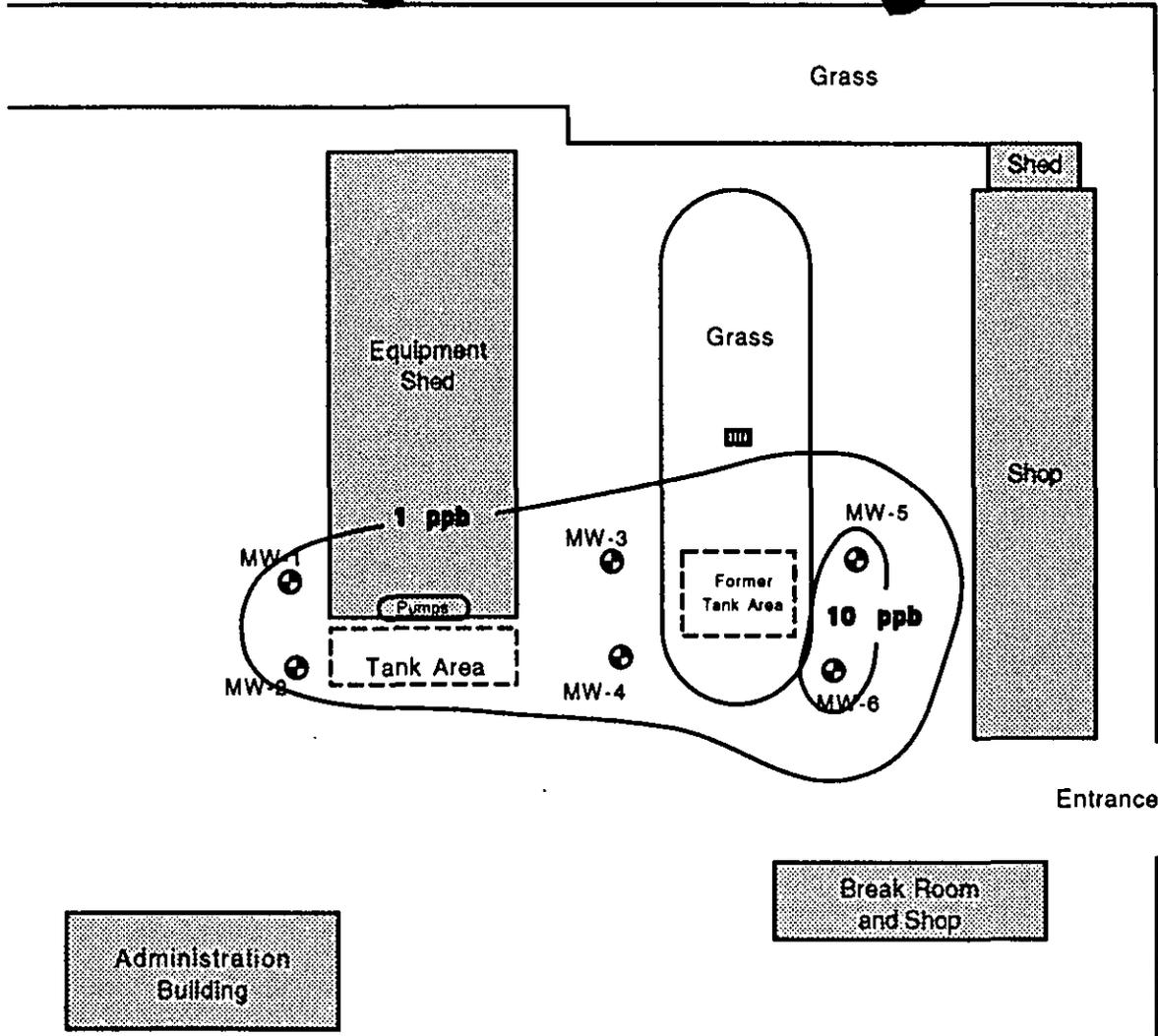
Rev.	Description	Date	Approved

Drawing Number
585272-2286-A-C26

Checked
Approved

DMR

Drawn
By

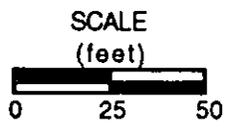


**Total Purgeable Halocarbon
(EPA 601) Concentration**

WELL	(ppb)
MW-1	5
MW-2	4
MW-3	7
MW-4	5
MW-5	15
MW-6	15

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1 - Total Purgeable Halocarbon (EPA 601) Concentration (ppb)



**Figure 7:
Total EPA Method 601
Plume Map**

01/08/92
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



Rev.	Description	Date	Approved



ORLANDO LABORATORIES INC.

P.O. BOX 149127 • ORLANDO, FLORIDA 32814
(407) 896-6646 • FAX: (407) 898-6588

REPORT OF ANALYSIS

IT Environmental Services
7119 University Blvd.
Winter Park, FL 32792

Attn: Gregg Roberts

Work Order # : 92-04-103
Date Received: 04/07/92
Date Reported: 04/16/92
OLI Contact: J_BEATO

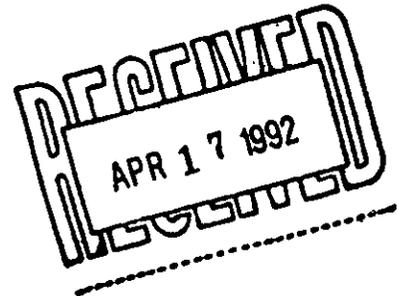
Work ID: SFWMD/585272
Samples collected by: Client
Total Samples: 9

SAMPLE IDENTIFICATION

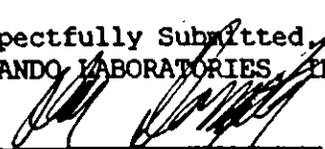
01 MW1/920407/272
02 MW2/920407/272
03 MW3/920407/272
04 MW4/920407/272
05 MW5/920407/272
06 MW6/920407/272
07 QA1/920407/272
08 QA2/920407/272
09 Method Blank

TEST CODES and NAMES used on this report

601GC Purgeable Halocarbons
602GC Purgeable Aromatics



Respectfully Submitted,
ORLANDO LABORATORIES, INC.


Alan Doughty, Ph.D.
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

ORLANDO LABORATORIES, INC.
Received: 04/07/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-04-103

SAMPLE ID MW1/920407/272
DATE COLLECTED 04/07/92 12:55:00
TEST NAME Purgeable Halocarbons

SAMPLE# 01A
MATRIX WATER
TEST CODE 601GC

Sample Type WATER
Units ug/l
Analyst SK

Date Extracted NA
Date Run 04/09/92
Dilution Factor 1
X Moisture NA

EPA Method 601

	Result/Qualifier	
Chloromethane	<u>1.0</u>	<u>U</u>
Bromomethane	<u>1.0</u>	<u>U</u>
Vinyl chloride	<u>1.0</u>	<u>U</u>
Dichlorodifluoromethane	<u>1.0</u>	<u>U</u>
Chloroethane	<u>1.0</u>	<u>U</u>
Methylene Chloride	<u>1.0</u>	<u>U</u>
1,1-Dichloroethene	<u>1.0</u>	<u>U</u>
Trichlorofluoromethane	<u>1.0</u>	<u>U</u>
1,1-Dichloroethane	<u>2.0</u>	<u>U</u>
t-1,2-Dichloroethene	<u>1.0</u>	<u>U</u>
Chloroform	<u>1.0</u>	<u>U</u>
1,2-Dichloroethane	<u>1.0</u>	<u>U</u>
1,1,1-Trichloroethane	<u>1.0</u>	<u>U</u>
Carbon tetrachloride	<u>1.0</u>	<u>U</u>
Bromodichloromethane	<u>1.0</u>	<u>U</u>
1,2-Dichloropropane	<u>1.0</u>	<u>U</u>
t-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
Trichloroethene	<u>1.0</u>	<u>U</u>
Dibromochloromethane	<u>1.0</u>	<u>U</u>
1,1,2-Trichloroethane	<u>1.0</u>	<u>U</u>
c-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
2-Chloroethylvinylether	<u>1.0</u>	<u>U</u>
Bromoform	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
1,1,2,2-Tetrachloroethane	<u>1.0</u>	<u>U</u>
Tetrachloroethene	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Additional Compounds requested:		
<u>None Requested.</u>		

ORLANDO LABORATORIES, INC.
Received: 04/07/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-04-103

SAMPLE ID MW2/920407/272
DATE COLLECTED 04/07/92 13:05:00
TEST NAME Purgeable Halocarbons

SAMPLE# 02A
MATRIX WATER
TEST CODE 601GC

Sample Type WATER
Units ug/l
Analyst SK

Date Extracted NA
Date Run 04/09/92
Dilution Factor 1
% Moisture NA

EPA Method 601

	<u>Result/Qualifier</u>	
Chloromethane	<u>1.0</u>	<u>U</u>
Bromomethane	<u>1.0</u>	<u>U</u>
Vinyl chloride	<u>1.0</u>	<u>U</u>
Dichlorodifluoromethane	<u>1.0</u>	<u>U</u>
Chloroethane	<u>1.0</u>	<u>U</u>
Methylene Chloride	<u>1.0</u>	<u>U</u>
1,1-Dichloroethene	<u>2.0</u>	<u>U</u>
Trichlorofluoromethane	<u>1.0</u>	<u>U</u>
1,1-Dichloroethane	<u>2.0</u>	<u>U</u>
t-1,2-Dichloroethene	<u>1.0</u>	<u>U</u>
Chloroform	<u>1.0</u>	<u>U</u>
1,2-Dichloroethane	<u>1.0</u>	<u>U</u>
1,1,1-Trichloroethane	<u>1.0</u>	<u>U</u>
Carbon tetrachloride	<u>1.0</u>	<u>U</u>
Bromodichloromethane	<u>1.0</u>	<u>U</u>
1,2-Dichloropropane	<u>1.0</u>	<u>U</u>
t-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
Trichloroethene	<u>1.0</u>	<u>U</u>
Dibromochloromethane	<u>1.0</u>	<u>U</u>
1,1,2-Trichloroethane	<u>1.0</u>	<u>U</u>
c-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
2-Chloroethylvinylether	<u>1.0</u>	<u>U</u>
Bromoform	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
1,1,2,2-Tetrachloroethane	<u>1.0</u>	<u>U</u>
Tetrachloroethene	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Additional Compounds requested:		
<u>None Requested.</u>		

ORLANDO LABORATORIES, INC.
 Received: 04/07/92

REPORT OF ANALYSIS
 Results by Sample

Work Order # 92-04-103

SAMPLE ID MW2/920407/272
 DATE COLLECTED 04/07/92 13:05:00
 TEST NAME Purgeable Aromatics

SAMPLE# 02A
 MATRIX WATER
 TEST CODE 602GC

Sample Type WATER
 Units UG/L
 Analyst SK

Date Extracted NA
 Date Run 04/09/92
 Dilution Factor 1
 % Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>27.0</u>	<u>---</u>
Additional Compounds:		
<u>None Requested</u>	<u>---</u>	<u>---</u>

ORLANDO LABORATORIES, INC.
 Received: 04/07/92

REPORT OF ANALYSIS
 Results by Sample

Work Order # 92-04-103

SAMPLE ID MM5/920407/272
 DATE COLLECTED 04/07/92 13:45:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 05A
 MATRIX WATER
 TEST CODE 601GC

Sample Type WATER
 Units ug/l
 Analyst SK

Date Extracted NA
 Date Run 04/09/92
 Dilution Factor 1
 % Moisture NA

EPA Method 601

Result/Qualifier

Chloromethane	<u>1.0</u>	<u>U</u>
Bromomethane	<u>1.0</u>	<u>U</u>
Vinyl chloride	<u>1.0</u>	<u>U</u>
Dichlorodifluoromethane	<u>1.0</u>	<u>U</u>
Chloroethane	<u>1.0</u>	<u>U</u>
Methylene Chloride	<u>1.0</u>	<u>U</u>
1,1-Dichloroethene	<u>5.0</u>	<u>U</u>
Trichlorofluoromethane	<u>1.0</u>	<u>U</u>
1,1-Dichloroethane	<u>2.0</u>	<u>U</u>
t-1,2-Dichloroethene	<u>1.0</u>	<u>U</u>
Chloroform	<u>1.0</u>	<u>U</u>
1,2-Dichloroethane	<u>1.0</u>	<u>U</u>
1,1,1-Trichloroethane	<u>1.0</u>	<u>U</u>
Carbon tetrachloride	<u>1.0</u>	<u>U</u>
Bromodichloromethane	<u>1.0</u>	<u>U</u>
1,2-Dichloropropane	<u>1.0</u>	<u>U</u>
t-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
Trichloroethene	<u>1.0</u>	<u>U</u>
Dibromochloromethane	<u>1.0</u>	<u>U</u>
1,1,2-Trichloroethane	<u>1.0</u>	<u>U</u>
c-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
2-Chloroethylvinylether	<u>1.0</u>	<u>U</u>
Bromoform	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
1,1,2,2-Tetrachloroethane	<u>1.0</u>	<u>U</u>
Tetrachloroethene	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Additional Compounds requested:		
<u>None Requested.</u>		

ORLANDO LABORATORIES, INC.
Received: 04/07/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-04-103

SAMPLE ID MM5/920407/272
DATE COLLECTED 04/07/92 13:45:00
TEST NAME Purgeable Aromatics

SAMPLE# 05A
MATRIX WATER
TEST CODE 602GC

Sample Type WATER
Units UG/L
Analyst SK

Date Extracted NA
Date Run 04/09/92
Dilution Factor 1
% Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>
Additional Compounds:		
<u>None Requested</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

ORLANDO LABORATORIES, INC.
Received: 04/07/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-04-103

SAMPLE ID QA1/920407/272
DATE COLLECTED 04/07/92 13:50:00
TEST NAME Purgeable Halocarbons

SAMPLE# 07A
MATRIX WATER
TEST CODE 601GC

Sample Type WATER
Units ug/l
Analyst SK

Date Extracted NA
Date Run 04/09/92
Dilution Factor 1
% Moisture NA

EPA Method 601

	<u>Result/Qualifier</u>	
Chloromethane	<u>1.0</u>	<u>U</u>
Bromomethane	<u>1.0</u>	<u>U</u>
Vinyl chloride	<u>1.0</u>	<u>U</u>
Dichlorodifluoromethane	<u>1.0</u>	<u>U</u>
Chloroethane	<u>1.0</u>	<u>U</u>
Methylene Chloride	<u>1.0</u>	<u>U</u>
1,1-Dichloroethene	<u>1.0</u>	<u>U</u>
Trichlorofluoromethane	<u>1.0</u>	<u>U</u>
1,1-Dichloroethane	<u>1.0</u>	<u>U</u>
t-1,2-Dichloroethane	<u>1.0</u>	<u>U</u>
Chloroform	<u>1.0</u>	<u>U</u>
1,2-Dichloroethane	<u>1.0</u>	<u>U</u>
1,1,1-Trichloroethane	<u>1.0</u>	<u>U</u>
Carbon tetrachloride	<u>1.0</u>	<u>U</u>
Bromodichloromethane	<u>1.0</u>	<u>U</u>
1,2-Dichloropropane	<u>1.0</u>	<u>U</u>
t-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
Trichloroethane	<u>1.0</u>	<u>U</u>
Dibromochloromethane	<u>1.0</u>	<u>U</u>
1,1,2-Trichloroethane	<u>1.0</u>	<u>U</u>
c-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
2-Chloroethylvinylether	<u>1.0</u>	<u>U</u>
Bromoform	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>17.0</u>	<u>U</u>
1,1,2,2-Tetrachloroethane	<u>1.0</u>	<u>U</u>
Tetrachloroethane	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>9.0</u>	<u>U</u>
Additional Compounds requested:		
None Requested.		

ORLANDO LABORATORIES, INC.
 Received: 04/07/92

REPORT OF ANALYSIS
 Results by Sample

Work Order # 92-04-103

SAMPLE ID QA2/920407/272
 DATE COLLECTED 04/07/92 12:45:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 08A
 MATRIX WATER
 TEST CODE 601GC

Sample Type WATER
 Units ug/l
 Analyst SK

Date Extracted NA
 Date Run 04/09/92
 Dilution Factor 1
 % Moisture NA

EPA Method 601

Result/Qualifier

Chloromethane	<u>1.0</u>	<u>U</u>
Bromomethane	<u>1.0</u>	<u>U</u>
Vinyl chloride	<u>1.0</u>	<u>U</u>
Dichlorodifluoromethane	<u>1.0</u>	<u>U</u>
Chloroethane	<u>1.0</u>	<u>U</u>
Methylene Chloride	<u>1.0</u>	<u>U</u>
1,1-Dichloroethene	<u>1.0</u>	<u>U</u>
Trichlorofluoromethane	<u>1.0</u>	<u>U</u>
1,1-Dichloroethane	<u>1.0</u>	<u>U</u>
t-1,2-Dichloroethene	<u>1.0</u>	<u>U</u>
Chloroform	<u>1.0</u>	<u>U</u>
1,2-Dichloroethane	<u>1.0</u>	<u>U</u>
1,1,1-Trichloroethane	<u>1.0</u>	<u>U</u>
Carbon tetrachloride	<u>1.0</u>	<u>U</u>
Bromodichloromethane	<u>1.0</u>	<u>U</u>
1,2-Dichloropropane	<u>1.0</u>	<u>U</u>
t-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
Trichloroethene	<u>1.0</u>	<u>U</u>
Dibromochloromethane	<u>1.0</u>	<u>U</u>
1,1,2-Trichloroethane	<u>1.0</u>	<u>U</u>
c-1,3-Dichloropropene	<u>1.0</u>	<u>U</u>
2-Chloroethylvinylether	<u>1.0</u>	<u>U</u>
Bromoform	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
1,1,2,2-Tetrachloroethane	<u>1.0</u>	<u>U</u>
Tetrachloroethene	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Additional Compounds requested:		
<u>None Requested.</u>		

ORLANDO LABORATORIES, INC.
Received: 04/07/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-04-103

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Aromatics

SAMPLE# 09A
MATRIX METHOD BLF
TEST CODE 602GC

Sample Type WATER
Units UG/L
Analyst SK

Date Extracted NA
Date Run 04/09/92
Dilution Factor 1
% Moisture NA

EPA Method 602

	<u>Result/Qualifier</u>	
Benzene	<u>1.0</u>	<u>U</u>
Toluene	<u>1.0</u>	<u>U</u>
Chlorobenzene	<u>1.0</u>	<u>U</u>
Ethylbenzene	<u>1.0</u>	<u>U</u>
Total Xylenes	<u>1.0</u>	<u>U</u>
1,2-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,3-Dichlorobenzene	<u>1.0</u>	<u>U</u>
1,4-Dichlorobenzene	<u>1.0</u>	<u>U</u>
Methyl-tert-butyl-ether (MTBE)	<u>1.0</u>	<u>U</u>
Additional Compounds:		
<u>None Requested</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 04-14-1992

LAB SAMPLE # : 9204103-8
 ANALYSIS DATE : 04/09/92

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-Dichloroethane	50	0	47	94	46	92	2
1,1,1-Trichloroethane	50	0	51	102	54	108	6
1,1,2,2-Tetrachloroethane	50	0	45	90	44	88	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-Dichloroethane	65	139	27	46	176	27
1,1,1-Trichloroethane	68	138	29	41	138	15
1,1,2,2-Tetrachloroethane	60	144	35	64	139	35

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 04-14-1992

LAB SAMPLE # : 9204103-8
 ANALYSIS DATE : 04/09/92

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
TOLUENE	100	0	106	106	96	96	10
CHLOROBENZENE	100	0	105	105	96	96	9
ETHYLBENZENE	100	0	108	108	98	98	10

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
TOLUENE	81	118	17	80	144	52
CHLOROBENZENE	78	123	12	91	116	29
ETHYLBENZENE	80	115	15	55	145	44

CODES USED IN ORLANDO LABORATORIES, INC. REPORT OF ANALYSIS

< Less Than
 > Greater Than
 CFU Colony Forming Units
 D.O. Diluted Out
 H Greater Than 200 Background Colonies
 L Less Than 100 Background Colonies
 M 100 - 200 Background Colonies
 MCL Maximum Contaminant Level
 N No Background Colonies
 NA Not Applicable
 N/C No Combustion
 NR Not Requested
 TNTC Too Numerous To Count
 U Indicates the Compound was analyzed, but not detected.
 The numerical value preceding 'U' is the limit of
 detection for that compound, based on dilution.

ORLANDO LABORATORIES, INC. 1992 CERTIFICATIONS

<u>State</u>	<u>Drinking Water Certification</u>	<u>Environmental Certification</u>
Florida	HRS 83141	HRS E83033
Florida	----	RB 0723 (Radon in Air)
Alabama	40020	Not Required *
Georgia	Not Required **	Not Required *
Mississippi	Not Required *	Not Required *
New York	----	11197
North Carolina	12700	101
South Carolina	96016	Not Required *
Tennessee	02928	UST-listed
Virginia	00248	Not Required *
Wisconsin	----	999994380

* Indicates no state certification program is in place and/or state will accept Florida certification.

** Indicates no state certification program is in place and/or state will accept Florida certification. Excluding Microbiology parameters

END OF REPORT



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

**ANALYSIS REQUEST AND
CHAIN OF CUSTODY RECORD**

Reference Document No. 336477
Page 1 of 1

Project Name/No. 1 SFWMD/585272 Samples Shipment Date 7 4/7/12 Bill to: 5 IT Corp.
 Sample Team Members 2 GR/MS Lab Destination 8 OLI 466 SW 12th Avenue
 Profit Center No. 3 2286 Lab Contact 9 J. Beato Deerfield Bch, FL
 Project Manager 4 G. Roberts Project Contact/Phone 12 G. Roberts / 679 8299 Report to: 10 Gregg Robert
 Purchase Order No. 6 937315 Carrier/Waybill No. 13 _____ 719 University Blvd
 Winter Park, FL 32789

Required Report Date 11 _____

ONE CONTAINER PER LINE

Sample Number	Sample 15 Description/Type	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21	Disposal Record No. 22
1	MW1/920407/272 water	4/7 1255	40 ml glass	40 ml	HCl	601/602	FILE	
2	MW2/920407/272 water	4/7 1255					FILE	
3	MW3/920407/272 water	4/7 1305					FILE	
4	MW4/920407/272 water	4/7 1315					FILE	

Special Instructions: 23 _____

Possible Hazard Identification: 24

Non-hazard Flammable Skin Irritant Poison B Unknown

Turnaround Time Required: 26

Normal Rush QC Level: 27

1. Relinquished by _____ Date: 4/7/12

2. Relinquished by _____ Date: _____

3. Relinquished by _____ Date: _____

Comments: 29 _____

Sample Disposal: 25

Return to Client Disposal by Lab Archive _____ (mos.)

Project Specific (specify): _____

1. Received by 28 _____ Date: 4/7

2. Received by _____ Date: _____

3. Received by _____ Date: _____



South Florida Water Management District

3301 Gun Club Road • P.O. Box 24680 • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 14

March 26, 1992

Ms. Deborah Metrin
Florida Department of
Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767



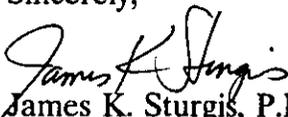
Dear Ms. Metrin:

Subject: Third Quarter Monitoring Report for Kissimmee Field Station;
DER Fac. #498520968

I have enclosed a copy of the third quarterly status report for the Monitoring Plan at Kissimmee Field Station. The six monitoring wells located at the site were sampled for EPA Methods 601 and 602 as requested in your letter of September 23, 1991.

The District plans to continue with EPA 601 and 602 for the fourth quarter sampling scheduled for April 1992.

Sincerely,


James K. Sturgis, P.E.
Project Manager

JKS/js

Enclosure

c: Steve Brashers, IT Corporation, Deerfield Beach
Gregg Roberts, IT Corporation, Winter Park

Governing Board:

Allan Milledge, Chairman - Miami
Valerie Boyd, Vice Chairman - Naples
Ken Adams - West Palm Beach

James E. Nall - Fort Lauderdale
Annie Betancourt - Miami
Franklin B. Mann - Fort Myers

Leah G. Schad - West Palm Beach
Frank Williamson, Jr. - Okeechobee
Eugene K. Pettis - Fort Lauderdale

Tilford C. Creel, Executive Director
Thomas K. MacVicar, Deputy Executive Director

February 18, 1992

MONITORING ONLY PLAN
Quarterly Status Report
December 1991, January, February 1992
South Florida Water Management District
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida
DER Facility No. 498520968



1.0 Introduction

The following is a Quarterly Status Report for the Monitor Only Plan approved on March 3, 1991, for the South Florida Water Management District Kissimmee Pumping Station located at 80 Hoagland Boulevard in Kissimmee, Florida. The quarterly report will outline the results obtained during the third quarter of sampling.

2.0 Water Table Elevation

Water level data was collected for fluid elevations using a water level sensor probe. Figure 1 is the gradient map constructed from the monitoring data collected on January 8, 1992 (Table 1). The Hydraulic gradient map indicates that the groundwater is flowing towards the west.

3.0 Groundwater Analysis Results

This quarter, the six monitoring wells located at the site were sampled for EPA Methods 601 and 602, as requested by the Florida Department of Environmental Regulation, Bureau of Waste Cleanup. The results of the EPA Method 602 analysis (Table 2) show that the purgeable aromatics benzene, toluene, ethylbenzene, and total xylene (BTEX) were not detected in any of the monitoring wells sampled. Methyl tert-Butyl Ether (MTBE) concentrations were detected in monitoring wells MW-1 and MW-2, but remain below the 50 ppb MTBE target level set by the approved monitoring program.

The Methyl tert-Butyl Ether (MTBE) concentration of 76 ppb, detected in monitoring well MW-3 is slightly above the target level set by Chapter 17.770 Florida Administrative Code (FAC). MTBE was not detected above the detection limit in monitoring wells MW-4, MW-5, and MW-6.

Figure 2 diagrams the absence of Total BTEX concentrations and Figure 3 diagrams the MTBE concentrations detected at the site. The results of the EPA Method 601 analysis (Figure 4) show that the purgeable halocarbons concentrations remain below the Primary Drinking Water Standards contained in Section 17-550.310 FAC, and the

Florida Ground Water Guidance Concentrations distributed by the Florida Department of Environmental Regulation (FDER) in February 1989, with the exception of 9 ppb of 1,1 dichloroethene detected in monitoring well MW-5. The third quarter laboratory analysis reports are included as Appendix A.

Table 3 summarizes the laboratory results reported during the second quarterly sampling. Figures 5, 6, and 7 diagram the analytical results of the BTEX, MTBE, and EPA Method 601 concentrations respectively during the second quarterly sampling.

Table 1
 Quarterly Monitoring Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida
 Measurements in feet
 Monitor Date: January 8, 1992

Well	Casing* Elevation	Depth To Water	Water Table Elevation	LPH**
MW-1	91.37	4.62	86.75	0
MW-2	91.31	4.55	86.76	0
MW-3	91.29	3.84	87.45	0
MW-4	91.27	3.83	87.44	0
MW-5	90.97	3.42	87.55	0
MW-6	91.19	3.46	87.73	0

* Based on estimated 90.00 ft. reference datum.

** LPH denotes liquid phase hydrocarbons

Table 2
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Dates: January 8, 1992

Well	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	44
MW-2	ND	ND	ND	ND	ND	8
MW-3	ND	ND	ND	ND	ND	76
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

Table 2 (Continued)
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Date: January 8, 1992

Well	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 601 (ppb)
MW-1	ND	5	ND	ND	ND	5
MW-2	1	3	ND	ND	ND	4
MW-3	3	2	ND	1	1	7
MW-4	3	1	ND	1	ND	5
MW-5	9	4	ND	2	ND	15
MW-6	1	ND	ND	4	10	15

ND denotes not detected above the detection limit

Table 3
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Dates: October 31, 1991

Well	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	31
MW-2	ND	ND	ND	ND	ND	13
MW-3	ND	ND	ND	ND	ND	52
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

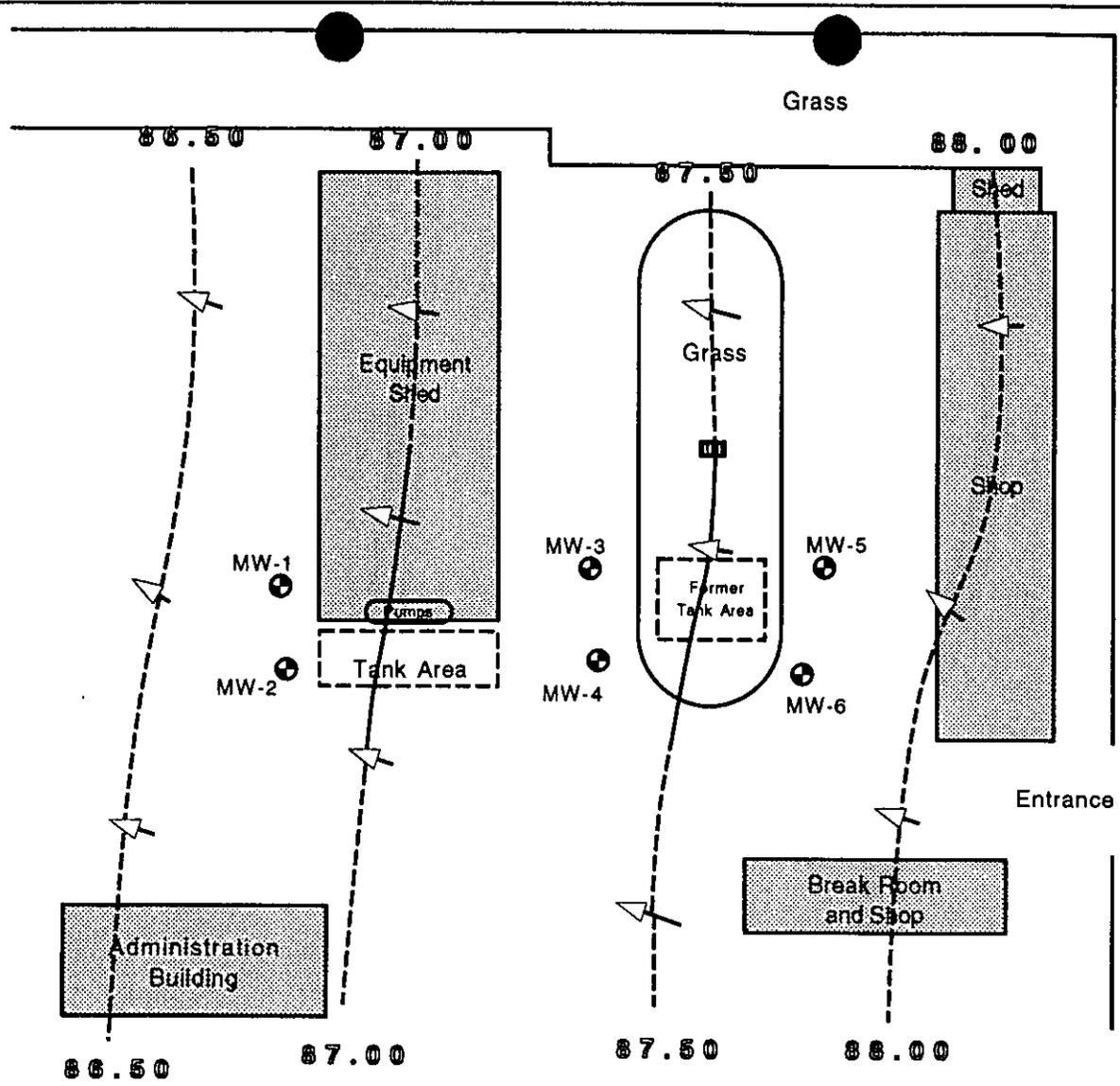
Table 3 (Continued)
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Date: October 31, 1991

Well	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 601 (ppb)
MW-1	ND	4	ND	ND	ND	4
MW-2	ND	3	ND	ND	ND	3
MW-3	3	2	ND	ND	ND	5
MW-4	4	3	ND	1	ND	8
MW-5	12	9	3	2	ND	26
MW-6	9	9	2	2	6	28

ND denotes not detected above the detection limit

Checked *[Signature]* Drawing Number 585272-2286-A-C13
 Approved
 Drawn By



WATER TABLE ELEVATIONS

WELL	feet
MW-1	86.75
MW-2	86.76
MW-3	87.45
MW-4	87.44
MW-5	87.55
MW-6	87.73

LEGEND

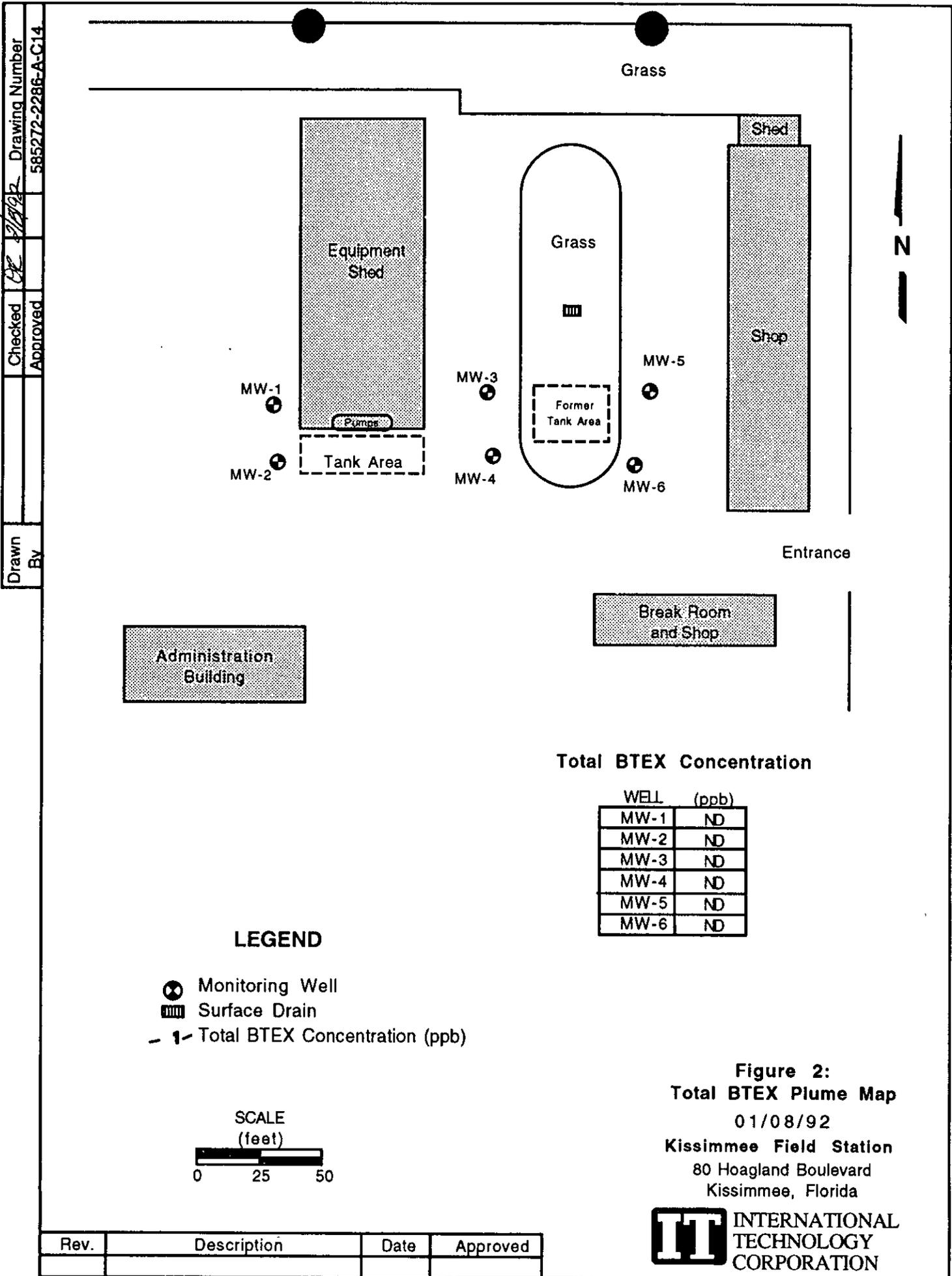
- Monitoring Well
- Surface Drain
- Water Table Elevations (feet)
- Flow Direction



Figure 1:
HYDRAULIC GRADIENT MAP
 01/08/92
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



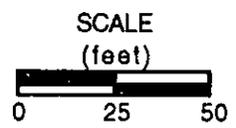
Rev.	Description	Date	Approved



Drawing Number: 585272-2286-A-C14
 Checked/Approved: [Signature]
 Drawn By: [Signature]

LEGEND

- Monitoring Well
- Surface Drain
- Total BTEX Concentration (ppb)



Total BTEX Concentration

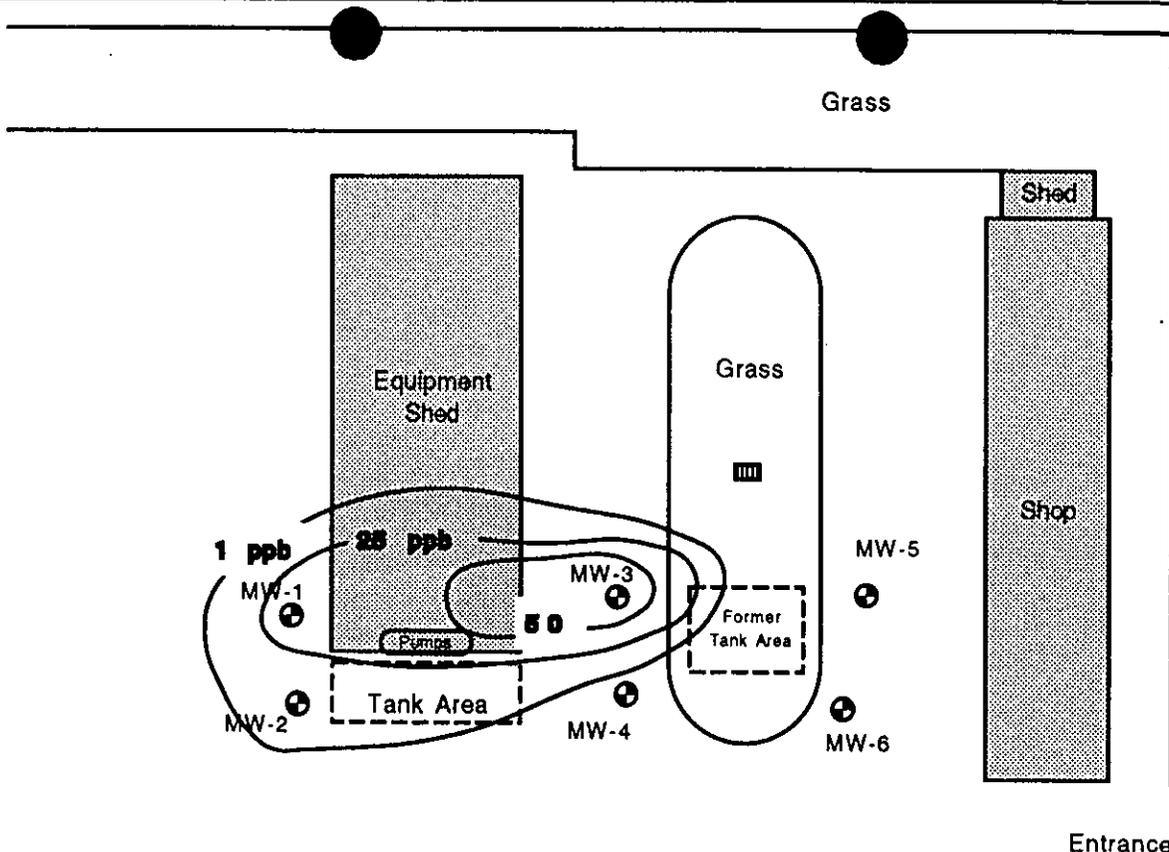
WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	ND
MW-4	ND
MW-5	ND
MW-6	ND

Figure 2:
Total BTEX Plume Map
 01/08/92
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

Checked *OK 3/13/92* Drawing Number 585272-2286-A-C15
 Approved
 Drawn By



Administration Building

Break Room and Shop

MTBE Concentration

WELL	(ppb)
MW-1	44
MW-2	8
MW-3	76
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- MTBE Concentration (ppb)

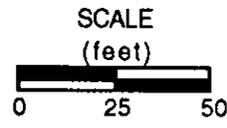
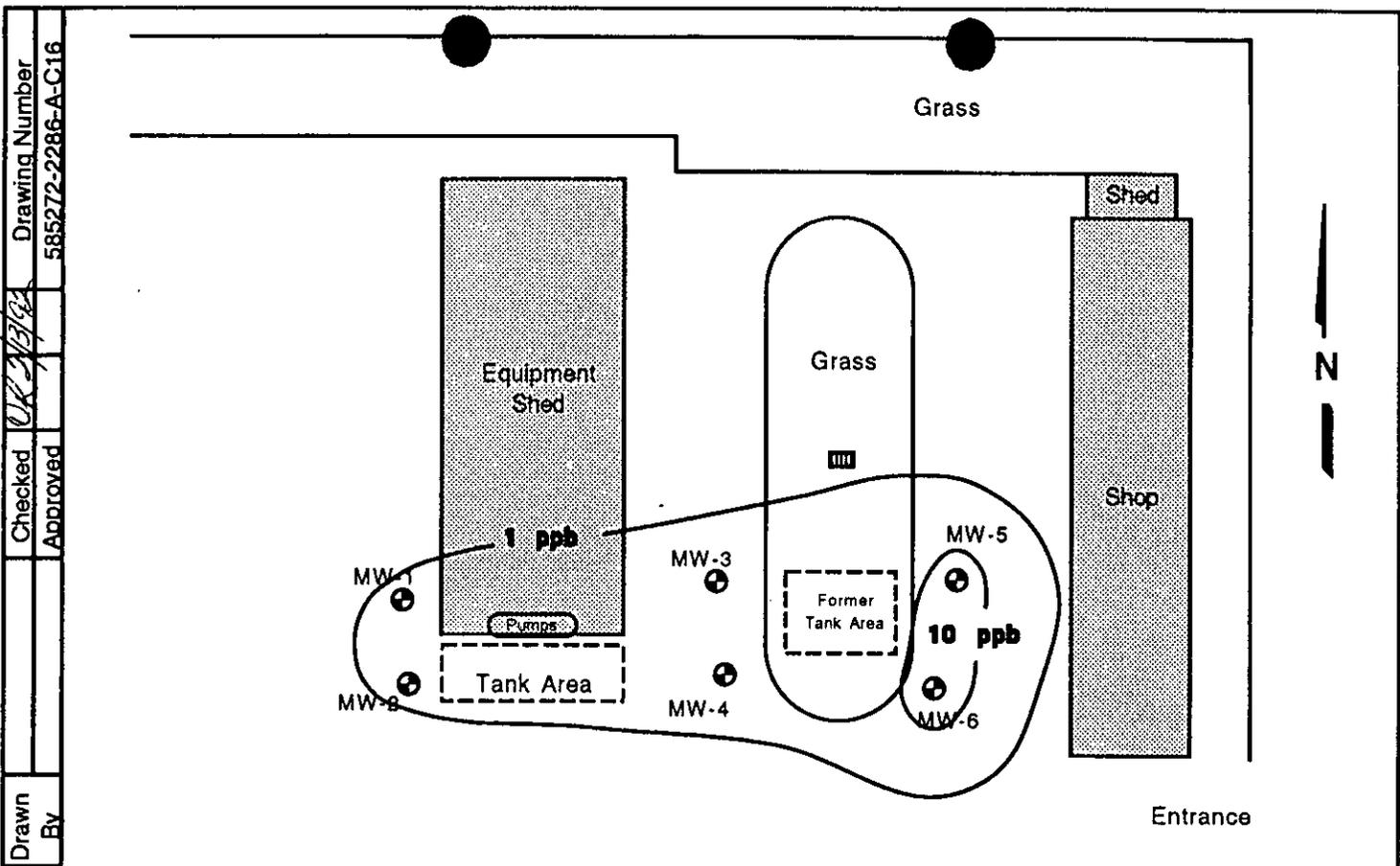


Figure 3:
Methyl tert-Butyl Ether (MTBE)
Plume Map

01/08/92
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved



Drawing Number: 585272-2286-A-C16
 Checked: OK [Signature]
 Approved: [Signature]
 Drawn By: Bv

Total Purgeable Halocarbon (EPA 601) Concentration

WELL	(ppb)
MW-1	5
MW-2	4
MW-3	7
MW-4	5
MW-5	15
MW-6	15

LEGEND

- Monitoring Well
- Surface Drain
- Total Purgeable Halocarbon (EPA 601) Concentration (ppb)

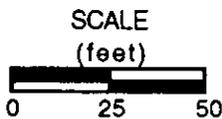
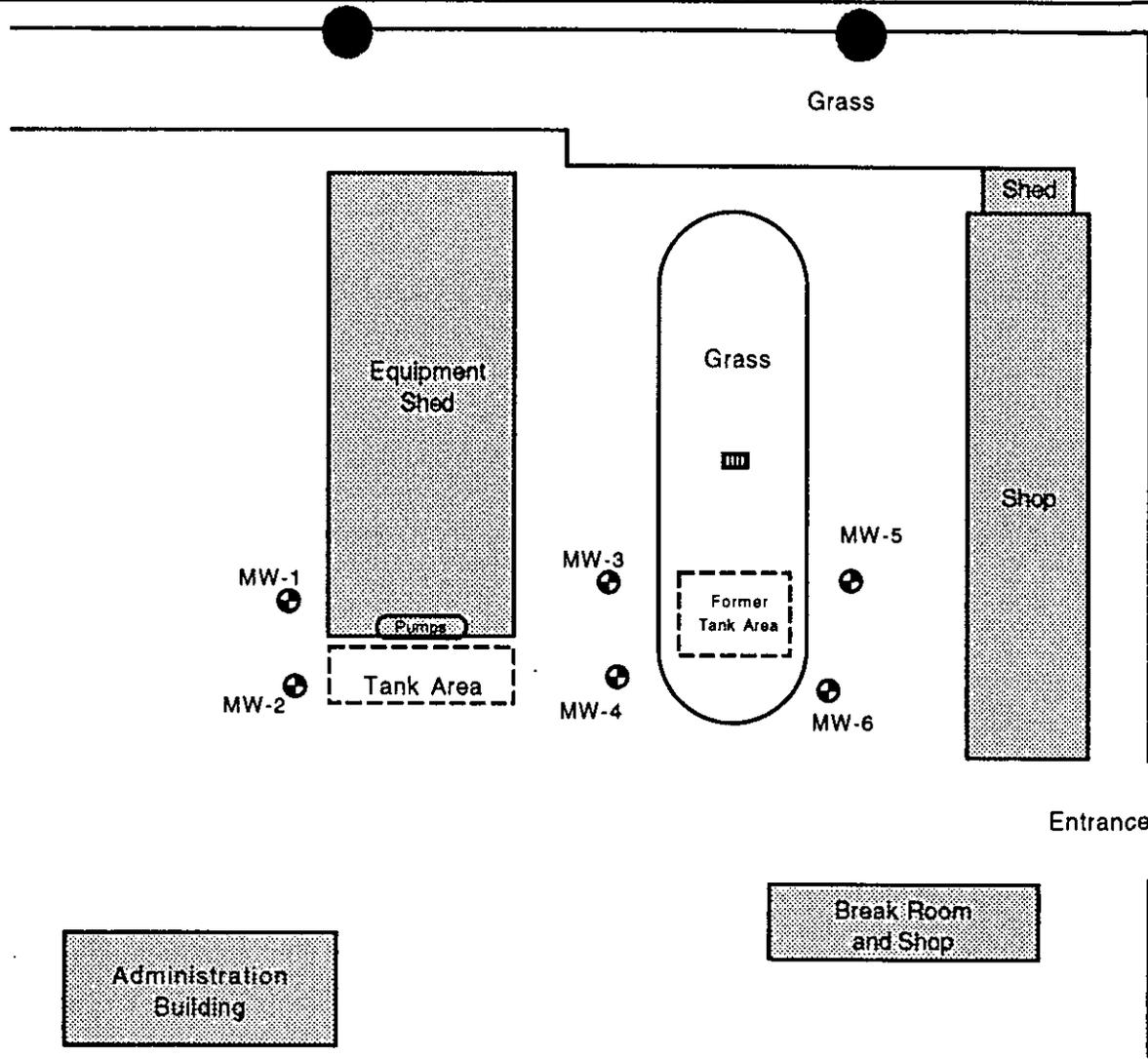


Figure 4:
Total EPA Method 601
Plume Map
 01/08/92
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

Drawing Number: 585272-2286-A-C17
 Checked: [Signature]
 Approved: [Signature]
 Drawn By: [Signature]



Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	ND
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- Total BTEX Concentration (ppb)

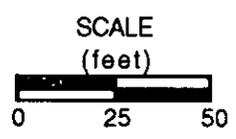
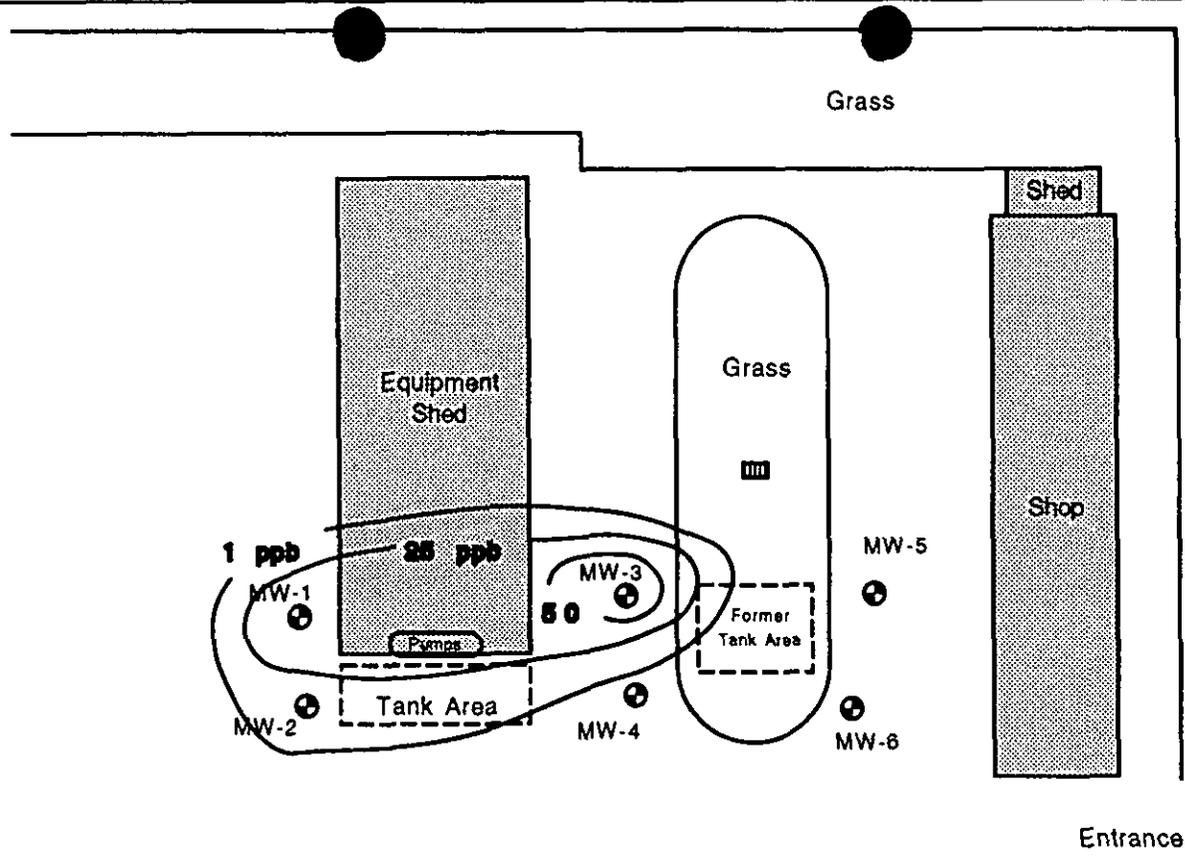


Figure 5:
Total BTEX Plume Map
 10/31/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

Drawing Number
 585272-2286-A-C18
 Checked *DK*
 Approved
 Drawn By



Administration Building

Break Room and Shop

MTBE Concentration

WELL	(ppb)
MW-1	31
MW-2	13
MW-3	52
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- MTBE Concentration (ppb)

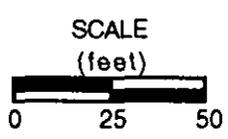
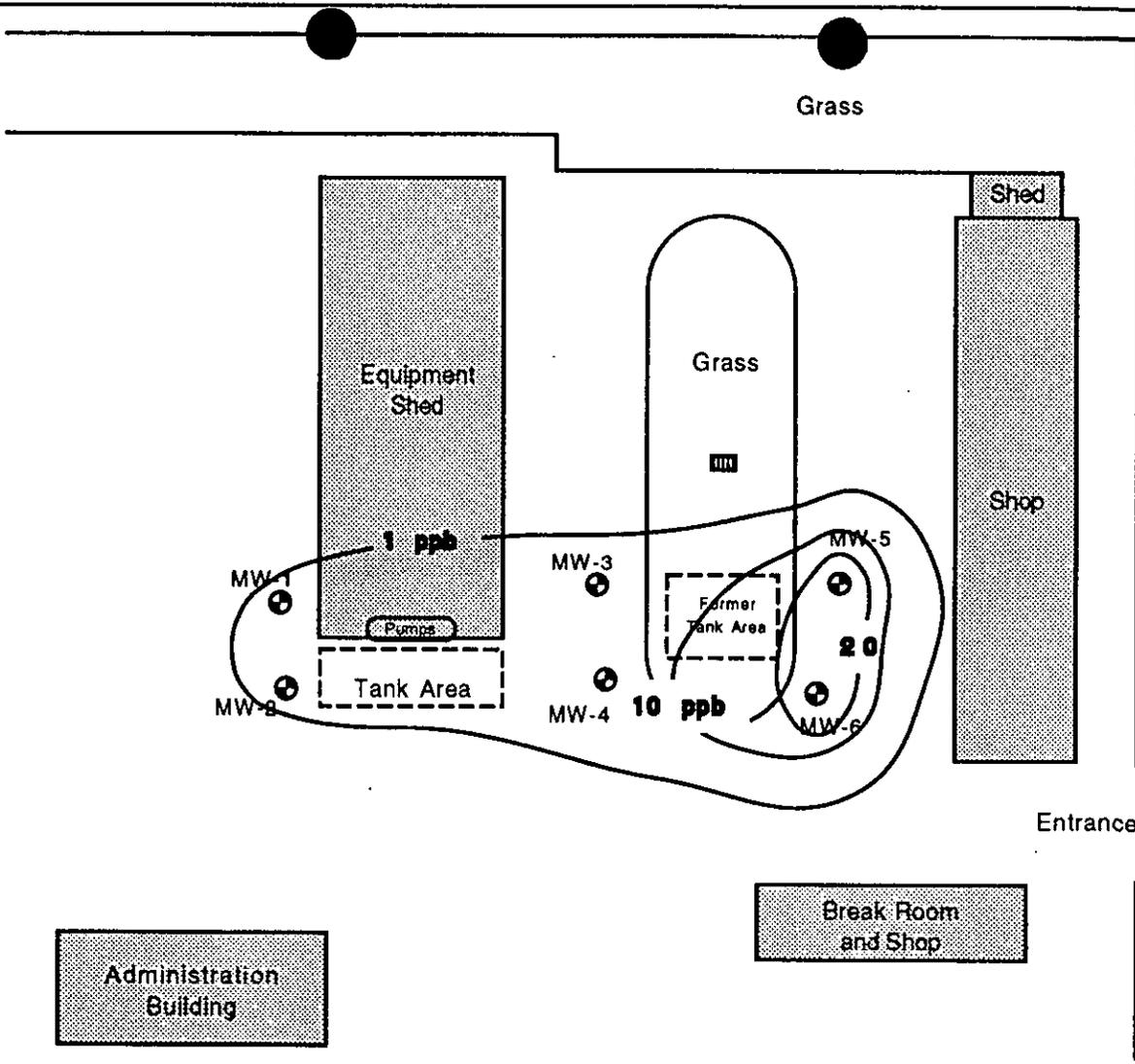


Figure 6:
Methyl tert-Butyl Ether (MTBE)
Plume Map
 10/31/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Rev.	Description	Date	Approved



Drawing Number: 585272-2286-A-C19
 Checked: [Signature]
 Approved: [Signature]
 Drawn By: [Signature]



Total Purgeable Halocarbon (EPA 601) Concentration

WELL	(ppb)
MW-1	4
MW-2	3
MW-3	5
MW-4	8
MW-5	26
MW-6	28

LEGEND

- Monitoring Well
- Surface Drain
- Total Purgeable Halocarbon (EPA 601) Concentration (ppb)



Figure 7:
Total EPA Method 601
Plume Map
 10/31/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved



ORLANDO LABORATORIES ^{INC.}

P.O. BOX 149127 • ORLANDO, FLORIDA 32814
(407) 896-6646 • FAX: (407) 898-6588

REPORT OF ANALYSIS

IT Environmental Services
7119 University Blvd.
Winter Park, FL 32792

Work Order # : 92-01-095
Date Received: 01/08/92
Date Reported: 01/17/92
OLI Contact: J_BEATO

Attn: Gregg Roberts

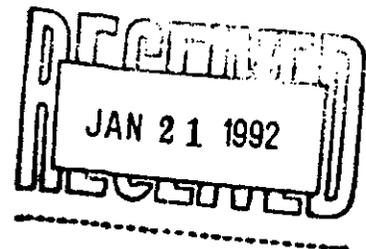
Work ID: 585272
Samples collected by: K. Reed, D. Rozzano
Total Samples: 9

SAMPLE IDENTIFICATION

01 MW-1/920108/272
02 MW-2/920108/272
03 MW-3/920108/272
04 MW-4/920108/272
05 MW-5/920108/272
06 MW-6/920108/272
07 QA-1/920108/272
08 QA-2/920108/272
09 Method Blank

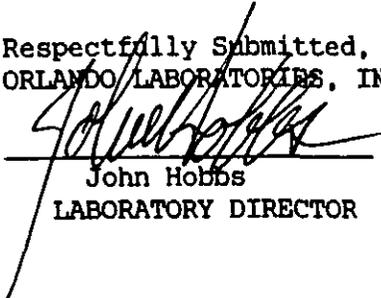
TEST CODES and NAMES used on this report

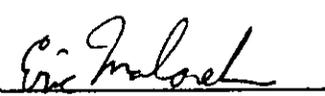
601GC Purgeable Halocarbons
602GC Purgeable Aromatics



OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MM-1/920108/272
DATE COLLECTED 01/08/92 11:10:00
TEST NAME Purgeable Halocarbons

SAMPLE# 01A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	5.0
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MW-1/920108/272
DATE COLLECTED 01/08/92 11:10:00
TEST NAME Purgeable Aromatics

SAMPLE# 01A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>44.0</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MW-2/920108/272
DATE COLLECTED 01/08/92 11:20:00
TEST NAME Purgeable Halocarbons

SAMPLE# 02A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

RESULT/QUALIFIER

Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>1.0</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>3.0</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>1.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>

Additional Compounds requested:

None Requested.

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MM-2/920108/272
DATE COLLECTED 01/08/92 11:20:00
TEST NAME Purgeable Aromatics

SAMPLE# 02A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>8.0</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
 Received: 01/08/92

REPORT OF ANALYSIS
 Results by Sample

Work Order # 92-01-095

SAMPLE ID MW-3/920108/272
 DATE COLLECTED 01/08/92 11:40:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 03A
 MATRIX WATER
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST CP

DATE EXTRACTED NA
 DATE RUN 01/09/92
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	3.0
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	2.0
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0
Additional Compounds requested:	
None Requested.	

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MW-3/920108/272
DATE COLLECTED 01/08/92 11:40:00
TEST NAME Purgeable Aromatics

SAMPLE# 03A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0</u>
MTBE	<u>76.0</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
 Received: 01/08/92

REPORT OF ANALYSIS
 Results by Sample

Work Order # 92-01-095

SAMPLE ID MW-4/920108/272
 DATE COLLECTED 01/08/92 11:50:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 04A
 MATRIX WATER
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST CP

DATE EXTRACTED NA
 DATE RUN 01/13/92
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	3.0
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	1.0
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MM-4/920108/272
DATE COLLECTED 01/08/92 11:50:00
TEST NAME Purgeable Aromatics

SAMPLE# 04A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/13/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0</u>
MTBE	<u>1.0 U</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MM-5/920108/272
DATE COLLECTED 01/08/92 12:10:00
TEST NAME Purgeable Halocarbons

SAMPLE# 05A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>9.0</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>4.0</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>1.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>2.0</u>

Additional Compounds requested:
None Requested.

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MW-5/920108/272
DATE COLLECTED 01/08/92 12:10:00
TEST NAME Purgeable Aromatics

SAMPLE# 05A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>2.0</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MW-6/920108/272
DATE COLLECTED 01/08/92 12:20:00
TEST NAME Purgeable Halocarbons

SAMPLE# 06A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	1.0
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	1.0 U
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	10.0
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	4.0
Additional Compounds requested:	
None Requested.	

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID MW-6/920108/272
DATE COLLECTED 01/08/92 12:20:00
TEST NAME Purgeable Aromatics

SAMPLE# 06A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>10.0</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>4.0</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID QA-1/920108/272
DATE COLLECTED 01/08/92 10:50:00
TEST NAME Purgeable Halocarbons

SAMPLE# 07A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

RESULT/QUALIFIER

Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>1.0 U</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>1.0 U</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>1.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>

Additional Compounds requested:

None Requested.

_____	_____
_____	_____
_____	_____
_____	_____

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID QA-1/920108/272
DATE COLLECTED 01/08/92 10:50:00
TEST NAME Purgeable Aromatics

SAMPLE# 07A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID QA-2/920108/272
DATE COLLECTED 01/08/92 12:30:00
TEST NAME Purgeable Halocarbons

SAMPLE# 08A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/10/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>1.0 U</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>1.0 U</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>1.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID QA-2/920108/272
DATE COLLECTED 01/08/92 12:30:00
TEST NAME Purgeable Aromatics

SAMPLE# 08A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/10/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Halocarbons

SAMPLE# 09A
MATRIX METHOD BLF
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>1.0 U</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>1.0 U</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>1.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethane	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>

Additional Compounds requested:
None Requested.

ORLANDO LABORATORIES, INC.
Received: 01/08/92

REPORT OF ANALYSIS
Results by Sample

Work Order # 92-01-095

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Aromatics

SAMPLE# 09A
MATRIX METHOD BLA
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST CP

DATE EXTRACTED NA
DATE RUN 01/09/92
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 01-15-1992

LAB SAMPLE # : 9201087-06
 ANALYSIS DATE : 01/09/92

COMPOUND	AMOUNT	SAMPLE	MS	MS %	MSD	MSD%	RPD
	SPIKED	RESULT	RESULT	RECOVERY	RESULT	RECOVERY	
1,1-Dichloroethane	50	0	64	128	59	118	8
1,1,1-Trichloroethane	50	0	64	128	54	108	17
1,1,2,2-Tetrachloroethane	50	0	45	90	52	104	14

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-Dichloroethane	65	139	27	46	176	27
1,1,1-Trichloroethane	68	138	29	41	138	15
1,1,2,2-Tetrachloroethane	60	144	35	64	139	35

ORLANDO LABORATORIES INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 01-15-1992

LAB SAMPLE # : 9201087-06
 ANALYSIS DATE : 01/09/92

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
TOLUENE	100	0	102	102	99	99	3
CHLOROBENZENE	100	0	100	100	97	97	3
ETHYLBENZENE	100	0	100	100	96	96	4

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
TOLUENE	81	118	17	80	144	52
CHLOROBENZENE	78	123	12	91	116	29
ETHYLBENZENE	80	115	15	55	145	44

CODES

CFU	Colony Forming Units
DIL	Diluted Out
D.O.	Diluted Out
H	Greater Than 200 Background Colonies
J	Indicates An Estimated Value
L	Less Than 100 Background Colonies
M	100-200 Background Colonies
MCL	Maximum Contaminant Level
N	No Background Colonies
NA	Not Applicable
N/C	No Combustion
NR	Not Requested
TNTC	Too Numerous To Count
U	Indicates the compound was analyzed for, but not detected. The numerical value preceding 'U' is the limit of detection for that compound, based on dilution.
<	Less Than
>	Greater Than

End of Report



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD *

Reference Document No. 336436
Page 1 of 1

9201095

White: To accompany samples Yellow: Field copy *See back of form for special instructions.

Project Name/No. 1 585272 Samples Shipment Date 7 1-8-92
 Sample Team Members 2 K. Reed, D. Rozario Lab Destination 8 OL1
 Profit Center No. 3 2286 Lab Contact 9 Judy
 Project Manager 4 G. Roberts Project Contact/Phone 12 679-8299
 Purchase Order No. 6 937289 Carrier/Waybill No. 13 _____
 Report to: 10 IT Orlando

ONE CONTAINER PER LINE

Sample Number	Sample 15 Description/Type	Date/Time 16 Collected	Container Type 17	Sample 18 Volume	Pre-19 servative	Requested Testing 20 Program	Condition on Receipt 21	Disposal Record No. 22
MW-1/920108/272	water	1/8 11:10	glass	80ml	HCL	601/60.2		
MW-2/920108/272		11:20						
MW-3/920108/272		11:40						
MW-4/920108/272		11:50						
MW-5/920108/272		12:10						
MW-6/920108/272		12:20						
QA-1/920108/272		10:50						
QA-2/920108/272		12:30						

Special Instructions: 23 _____

Possible Hazard Identification: 24
 Non-hazard Flammable Skin Irritant Poison B Unknown

Turnaround Time Required: 26
 Normal Rush

GC Level: 27
 I II III

Sample Disposal: 25
 Return to Client Disposal by Lab Archive _____ (mos.)

1. Relinquished by 28
 (Signature/Affiliation) Karen Reed H Date: 1-8-92
 Time: 1:56

2. Relinquished by
 (Signature/Affiliation) _____ Date: _____
 Time: _____

3. Relinquished by
 (Signature/Affiliation) _____ Date: _____
 Time: _____

Project Specific (specify):
Deedee Roman Date: 1-8-92
 Time: 1:56

1. Received by 28
 (Signature/Affiliation) _____ Date: _____
 Time: _____

2. Received by
 (Signature/Affiliation) _____ Date: _____
 Time: _____

3. Received by
 (Signature/Affiliation) _____ Date: _____
 Time: _____

Comments: 29 _____



South Florida Water Management District

3301 Gun Club Road • P.O. Box 24680 • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 14

December 31, 1991

Ms. Deborah Metrin
Florida Department of
Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767



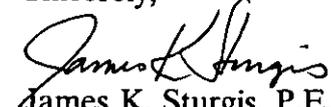
Dear Ms. Metrin:

Subject: Monitoring Report for Kissimmee Field Station; DER Fac. #498520968

I have enclosed a copy of the second quarterly status report for the Monitoring Plan at Kissimmee Field Station. The six monitoring wells located at the site were sampled for EPA Methods 601 and 602 as requested in your letter of September 23, 1991.

The District plans to continue with EPA 601 and 602 for the third quarter sampling.

Sincerely,


James K. Sturgis, P.E.
Project Manager

JKS/js

Enclosure

c: Steve Brashers, IT Corporation, Deerfield Beach
Gregg Roberts, IT Corporation, Winter Park

Governing Board:

Allan Milledge, Chairman - Miami
Valerie Boyd, Vice Chairman - Naples
Ken Adams - West Palm Beach

James E. Nall - Fort Lauderdale
Annie Betancourt - Miami
Franklin B. Mann - Fort Myers

Leah G. Schad - West Palm Beach
Frank Williamson, Jr. - Okeechobee
Eugene K. Pettis - Fort Lauderdale

Tilford C. Creel, Executive Director
Thomas K. MacVicar, Deputy Executive Director



South Florida Water Management District

3301 Gun Club Road • P.O. Box 24680 • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-432-2045

CON 14

December 31, 1991

Ms. Deborah Metrin
Florida Department of
Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767



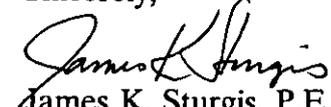
Dear Ms. Metrin:

Subject: Monitoring Report for Kissimmee Field Station; DER Fac. #498520968

I have enclosed a copy of the second quarterly status report for the Monitoring Plan at Kissimmee Field Station. The six monitoring wells located at the site were sampled for EPA Methods 601 and 602 as requested in your letter of September 23, 1991.

The District plans to continue with EPA 601 and 602 for the third quarter sampling.

Sincerely,


James K. Sturgis, P.E.
Project Manager

JKS/js

Enclosure

c: Steve Brashers, IT Corporation, Deerfield Beach
Gregg Roberts, IT Corporation, Winter Park

Governing Board:

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Eugene K. Pettis - Fort Lauderdale

Tilford C. Creel, Executive Director
Thomas K. MacVicar, Deputy Executive Director



F

Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767

Lawton Chiles, Governor

Carol M. Browner, Secretary

September 23, 1991

James K. Sturgis, P.E.
Project Manager
South Florida Water
Management District
Post Office Box 24680
West Palm Beach, FL 33416-4680

OCD-TK-91-0331

~~ENTERED~~

DATE _____

Osceola County - TK/PC
Kissimmee Field Station
FDER I.D. 498520968
Monitoring Report

Dear Mr. Sturgis:

The Department has reviewed the monitoring data submitted by letter dated September 13 for the above-referenced site. For the next round of sampling, EPA Methods 610, 239.2 and 418.1 may be deleted. However, EPA Methods 601 and 602 should be run on the samples.

Should you have any questions regarding this matter, you may contact me at (407) 894-7555.

Sincerely,

Deborah B. Mettlin, P.G.
Section Manager
Storage Tank/Petroleum
Contamination

DBM/gw

cc: Gary Kihn, Groundwater Technology, Inc.



South Florida Water Management District

P.O. Box 24680 • 3301 Gun Club Road • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-452-2045

CON 14

September 13, 1991

Ms. Debra Metrin
Florida Department of
Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767



Dear Ms. Metrin:

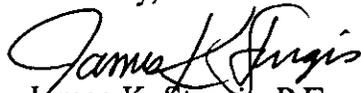
Subject: Monitoring Report for Kissimmee Field Station; DER Fac. #498520968

I have enclosed a copy of the first quarter report for the Monitoring Plan at Kissimmee Field Station. During the first quarter, the six monitoring wells located at the site were sampled for EPA Methods ~~601~~, ~~602~~, 610, 239.2, and 418.1 (the Kerosene and Mixed Product analytical groups required in section 17-770.600(8)(b), F.A.C.).

The Monitoring Plan required testing for diesel and leaded gasoline parameters during the first quarter, and if they were not detected during the first quarterly sampling, the next three quarterly sampling analyses would be limited to the gasoline parameters (BTEX and MTBE) in EPA Method 602. The results support limiting the next three quarterly sampling analyses to the gasoline parameters as planned with the possible exception discussed below.

The EPA Method 601 analysis for MW-5 indicates a 13 ppb concentration of 1,1 dichloroethene, which is slightly above the primary drinking water standard of 7 ppb, section 17-550.310, F.A.C. Since this parameter is not a listed contaminant in Chapter 17-770 (Petroleum Contamination Site Cleanup Criteria), please let me know if there is any need to continue monitoring this parameter.

Sincerely,


James K. Sturgis, P.E.
Project Manager

JKS/js

Enclosure

c: Steve Brashers, IT Corporation, Deerfield Beach
Gregg Roberts, IT Corporation, Winter Park

Governing Board:

Allan Milledge, Chairman - Miami
Valerie Boyd, Vice Chairman - Naples

Ken Adams - West Palm Beach
James E. Nall - Fort Lauderdale
Annie Betancourt - Miami

Franklin B. Mann - Fort Myers
Leah G. Schad - West Palm Beach
Frank Williamson, Jr. - Okeechobee

Tim E. Powers, Interim Executive Director
Tilford C. Creel, Deputy Executive Director
Thomas K. MacVicar, Deputy Executive Director

August 30, 1991

MONITORING ONLY PLAN

Quarterly Status Report

June - August, 1991

South Florida Water Management District

Kissimmee Pumping Station

80 Hoagland Boulevard

Kissimmee, Florida

DER Facility No. 498520968



1.0 Introduction

The following is a Quarterly Status Report for the Monitor Only Plan approved on March 3, 1991, for the South Florida Water Management District Kissimmee Pumping Station located at 80 Hoagland Boulevard in Kissimmee, Florida. The quarterly report will outline the results obtained during the first quarter of sampling.

2.0 Water Table Elevation

Water level data was collected for fluid elevations using a water level sensor probe. Figure 1 is the gradient map constructed from the monitoring data collected on July 31, 1991 (Table 1). The Hydraulic gradient map indicates that the groundwater is flowing towards the northwest.

3.0 Groundwater Analysis Results

This quarter, the six monitoring wells located at the site were sampled for EPA Methods 601, 602, 610, 239.2, and 418.1 analyses, as requested by the Florida Department of Environmental Regulation, Bureau of Waste Cleanup. The results of the EPA Method 602 analysis (Table 2) show that the purgeable aromatics benzene, toluene, ethylbenzene, and total xylene (BTEX), and Methyl tert-Butyl Ether (MTBE) concentrations remain below the 1 ppb benzene, 50 ppb total BTEX and 50 ppb MTBE target levels set by the approved monitoring program. Figure 2 diagrams the Total BTEX concentrations and Figure 3 diagrams the MTBE concentrations detected at the site. The results of the EPA Method 418.1 analysis show that the Total Petroleum Hydrocarbons (TPH) concentrations (Figure 4) remain below the 5 ppm criteria contained in Section 17-770.730 Florida Administrative Code (FAC). The results of the EPA Method 601 analysis (Figure 5) show that the purgeable halocarbon concentrations remain below the Primary Drinking Water Standards contained in Section 17-550.310 FAC, and the Florida Ground Water Guidance Concentrations distributed by the Florida Department of Environmental Regulation (FDER) in February 1989, with the exception of a 13 ppb concentration of 1,1 dichloroethene detected in monitoring well MW-5. Naphthalenes, and total dissolved lead levels were not detected above the detection limit in any of the monitoring wells sampled.

Table 1
 Quarterly Monitoring Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida
 Measurements in feet
 Monitor Date: July 31, 1991

Well	Casing* Elevation	Depth To Water	Water Table Elevation	LPH**
MW-1	91.37	2.34	89.03	0
MW-2	91.31	2.19	89.12	0
MW-3	91.29	1.56	89.73	0
MW-4	91.27	1.39	89.88	0
MW-5	90.97	1.03	89.94	0
MW-6	91.19	0.92	90.27	0

* Based on estimated 90.00 ft. reference datum.

** LPH denotes liquid phase hydrocarbons

Table 2
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Sample Dates: July 31 and August 1, 1991

Well	Benzene (ppb)	Toluene (ppb)	Eythl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	38
MW-2	ND	ND	ND	ND	ND	21
MW-3	ND	3	ND	1	4	44
MW-4	ND	6	ND	2	8	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

Table 2 (Continued)
 Quarterly Analytical Results
 Kissimmee Pumping Station
 80 Hoagland Boulevard
 Kissimmee, Florida

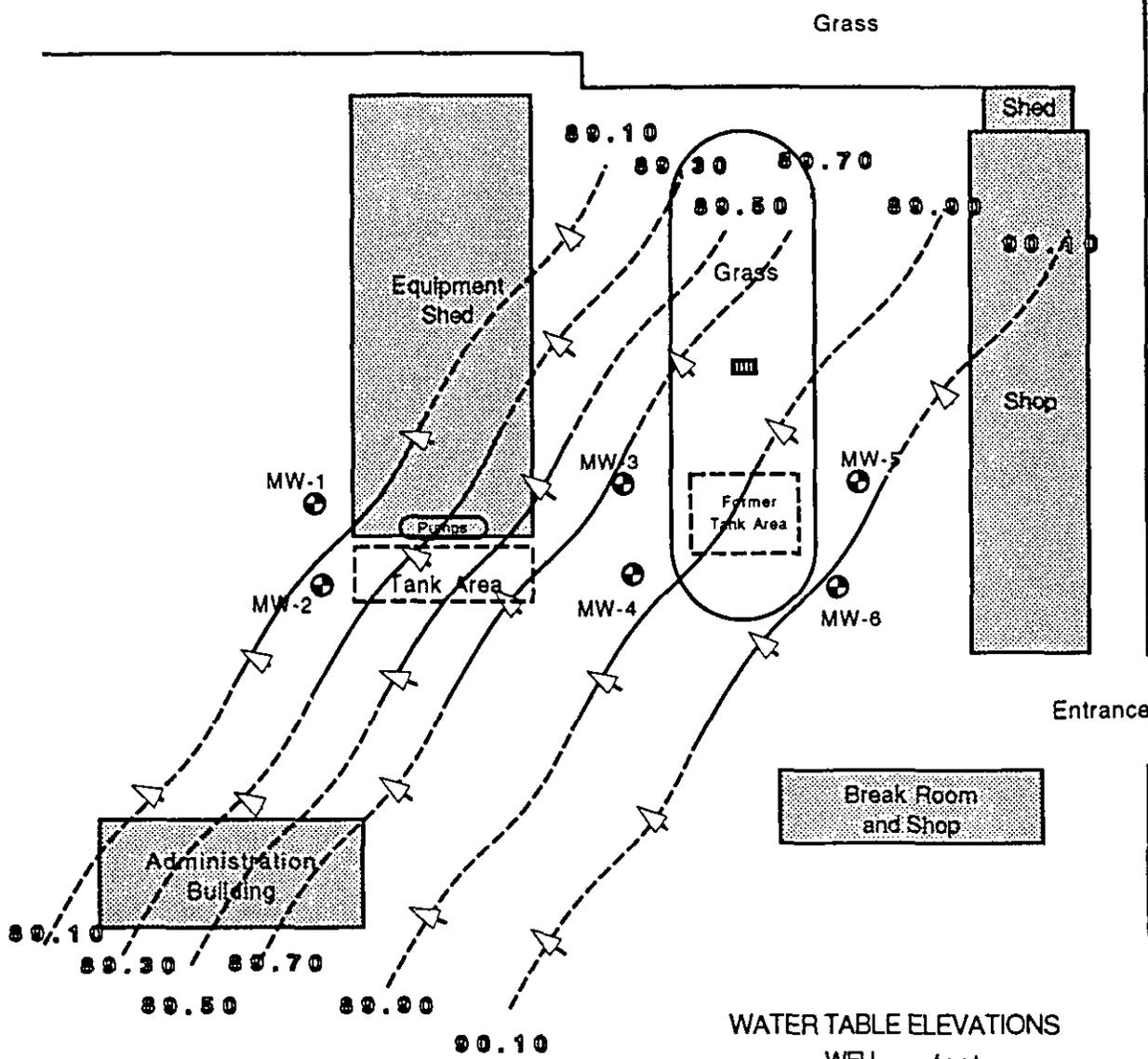
Sample Date: July 31 and August 1, 1991

Well	Naphthalene (ppb)	1-Methyl naphthalene (ppb)	2-Methyl naphthalene (ppb)	Total 6 1 0 (ppb)	Total Dissolved Lead (ppm)	Total Petroleum Hydrocarbons (ppm)
MW-1	ND	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	1.06
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	1.9
MW-6	ND	ND	ND	ND	ND	ND

Well	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 6 0 1 (ppb)
MW-1	ND	4	ND	ND	ND	4
MW-2	ND	4	ND	ND	ND	4
MW-3	3	1	ND	1	ND	5
MW-4	2	ND	ND	1	ND	3
MW-5	13	4	3	1	1	22
MW-6	7	4	2	ND	2	15

ND denotes not detected above the detection limit

Drawn By	SAK 8/10/91	Checked	SAK 8/10/91	Drawing Number	585272-2286-A-C1
		Approved	MD5 8/30/91		



WATER TABLE ELEVATIONS

WELL	feet
MW-1	89.03
MW-2	89.12
MW-3	89.73
MW-4	89.88
MW-5	89.94
MW-6	90.27

LEGEND

- Monitoring Well
- Surface Drain
- Water Table Elevations (feet)
- Flow Direction

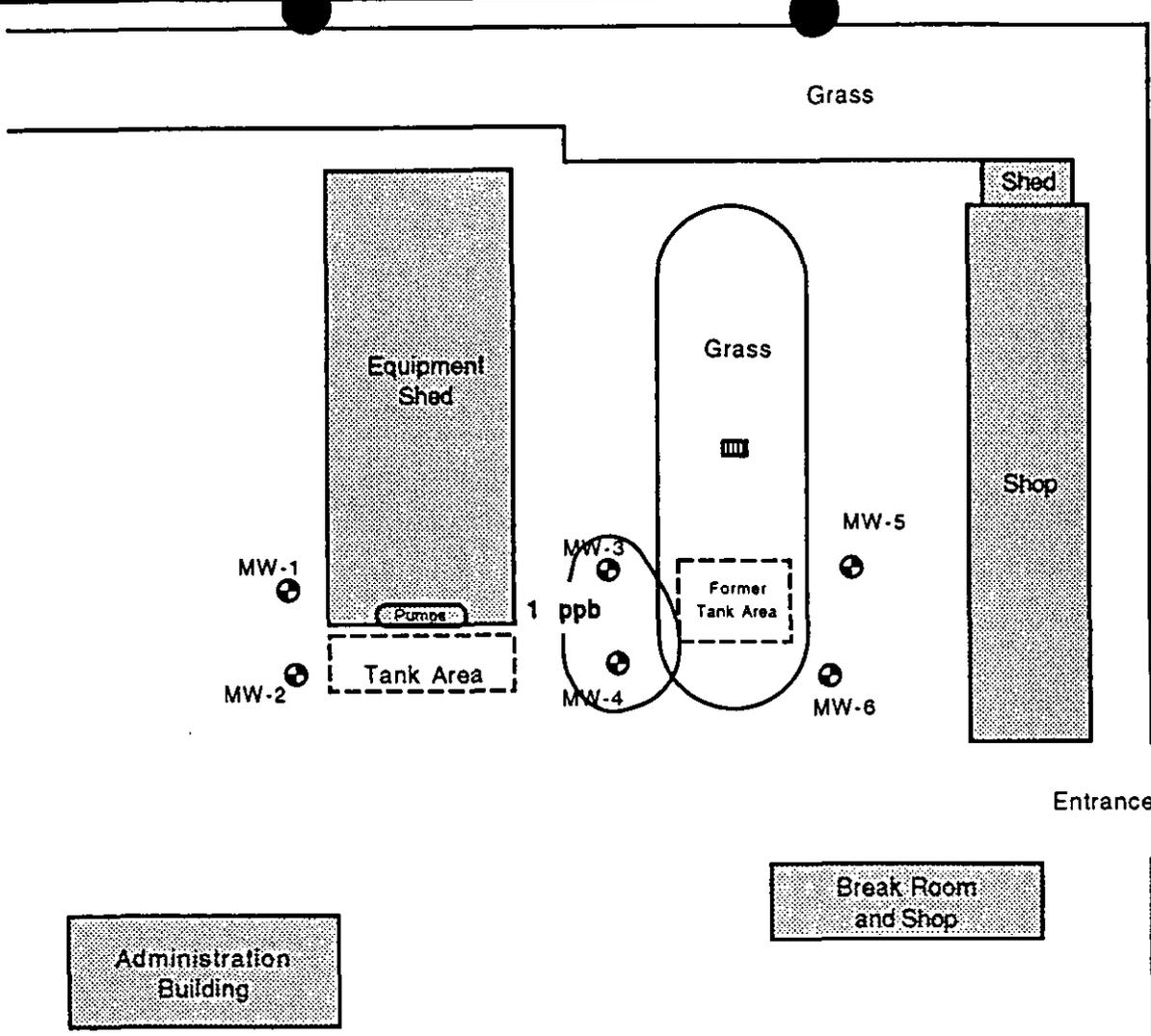


Figure 1:
HYDRAULIC GRADIENT MAP
7/31/91
Kissimmee Field Station
80 Hoagland Boulevard
Kissimmee, Florida



Rev.	Description	Date	Approved

Checked	Approved	Drawing Number
5/12/91	8/3/91	585272-2286-A-C2
Drawn By		
SPR		



Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	4
MW-4	8
MW-5	ND
MW-6	ND

LEGEND

- ⊗ Monitoring Well
- ▤ Surface Drain
- 1- Total BTEX Concentration (ppb)

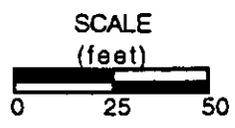
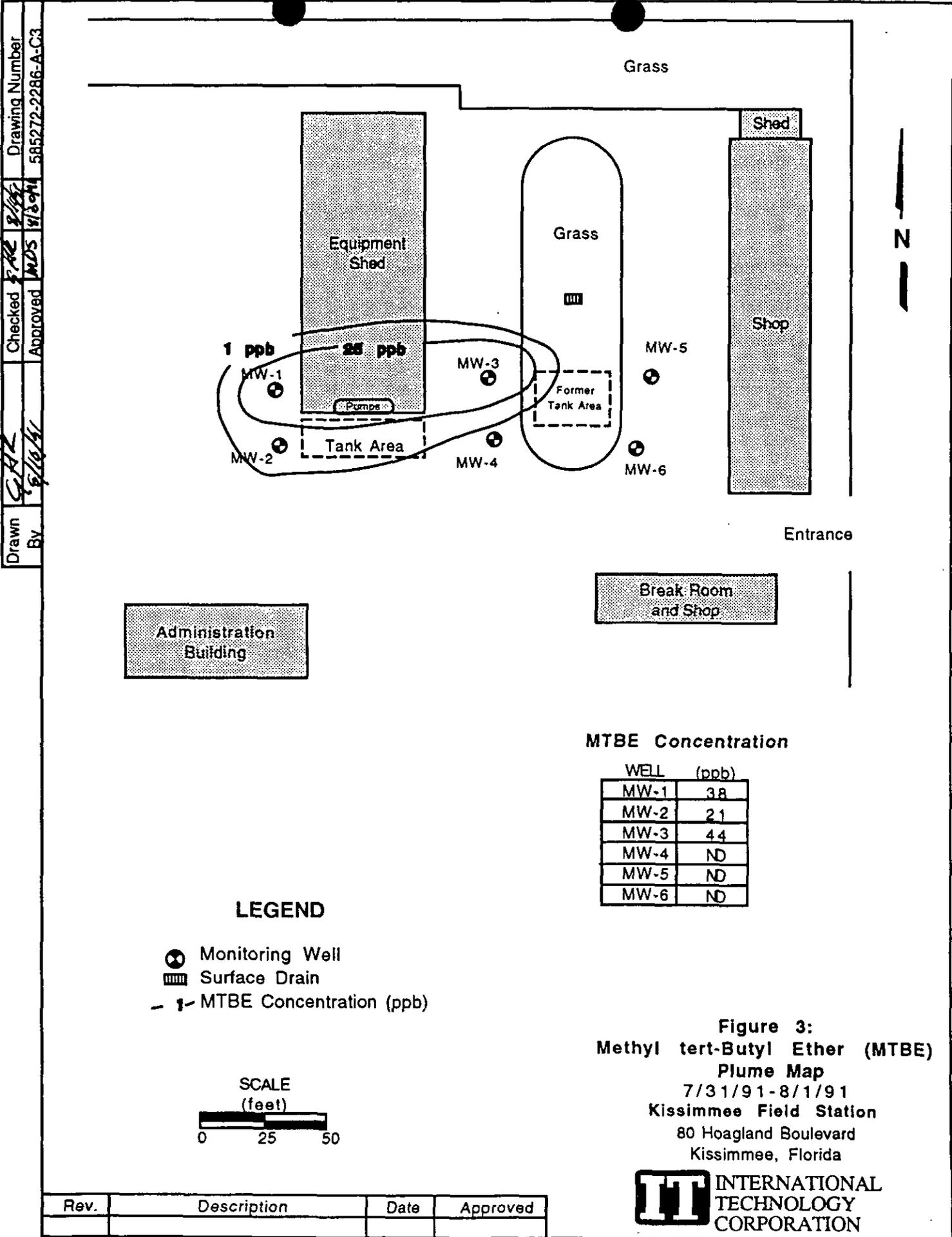


Figure 2:
Total BTEX Plume Map
 7/31/91-8/1/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved



Drawing Number: 585272-2286-A-C3
 Checked: F.R.Z. 8/2/91
 Approved: M.D.S. 8/13/91
 Drawn By: G.H.Z. 8/10/91

Grass

Equipment Shed

Shed

Grass

Shop

1 ppb

25 ppb

MW-5

MW-3

Former Tank Area

Tank Area

MW-2

MW-4

MW-6

Entrance

Administration Building

Break Room and Shop

MTBE Concentration

WELL	(ppb)
MW-1	38
MW-2	21
MW-3	44
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- MTBE Concentration (ppb)

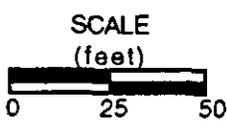
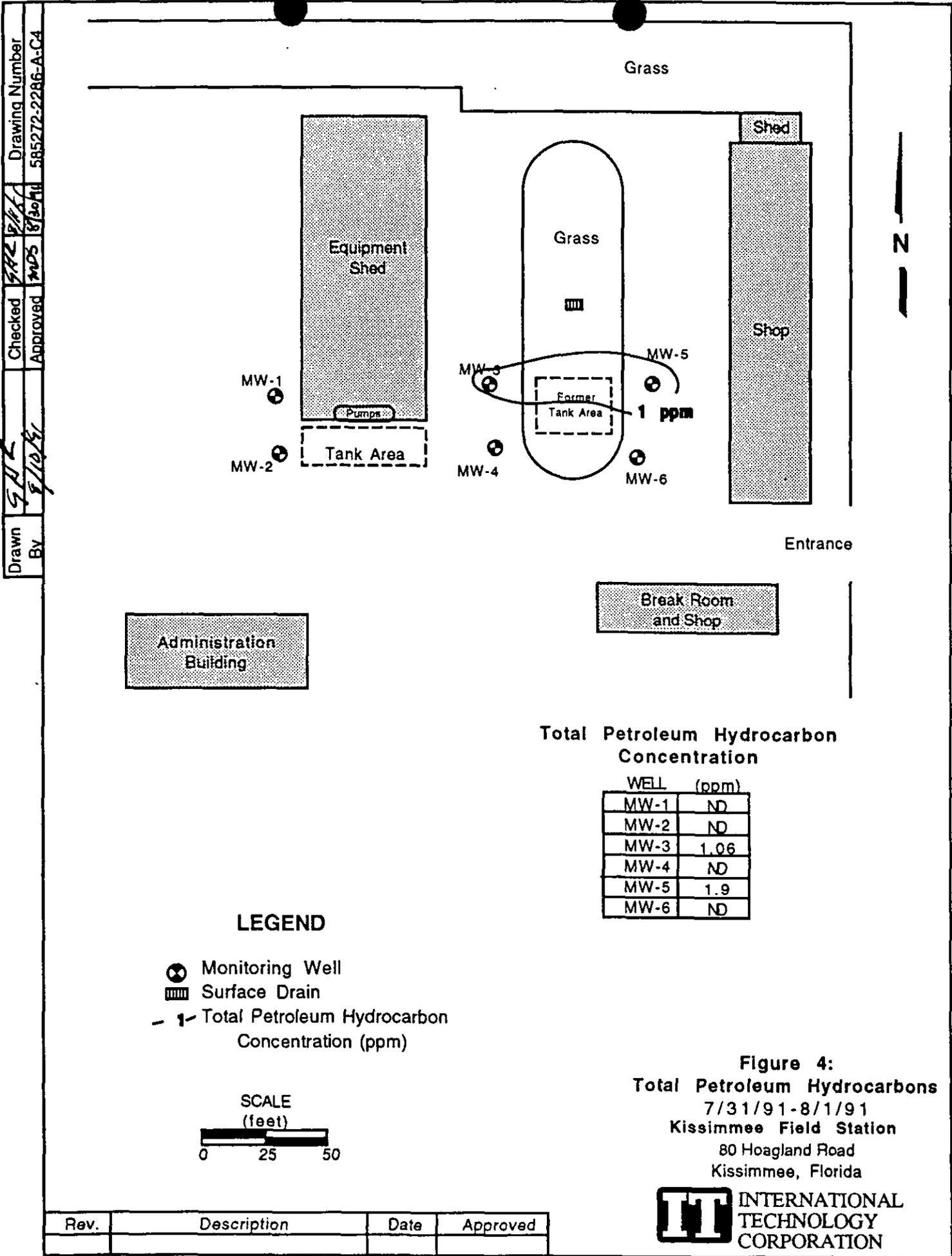


Figure 3:
Methyl tert-Butyl Ether (MTBE)
Plume Map
 7/31/91-8/1/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



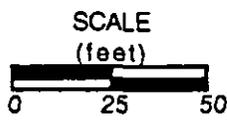
Rev.	Description	Date	Approved



Checked	Approved	Drawing Number
5/22/91	MDS	585272-2286-A-C4
Drawn By		
SAZ		
By		
8/10/91		

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1 - Total Petroleum Hydrocarbon Concentration (ppm)



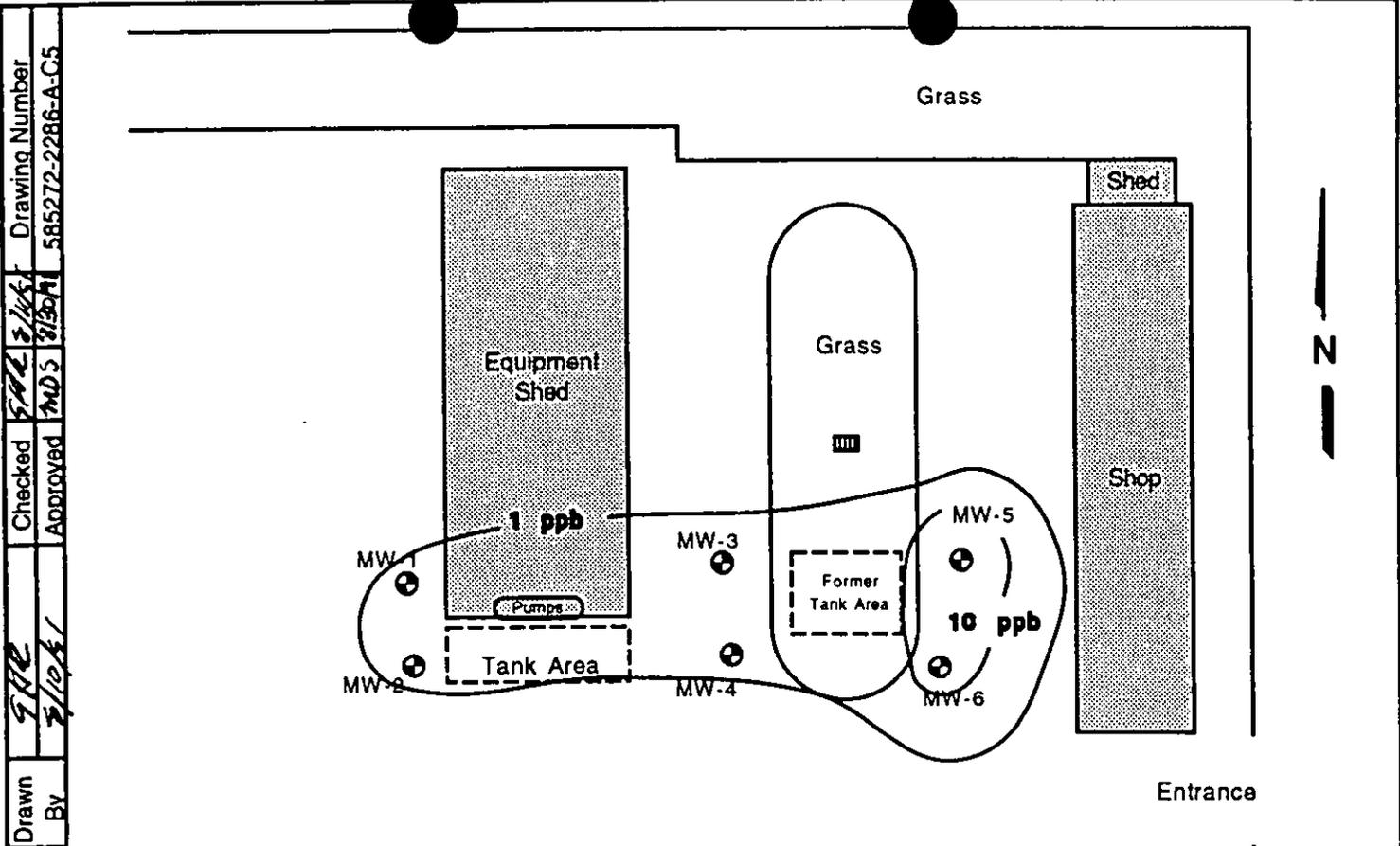
Total Petroleum Hydrocarbon Concentration

WELL	(ppm)
MW-1	ND
MW-2	ND
MW-3	1.06
MW-4	ND
MW-5	1.9
MW-6	ND

Figure 4:
Total Petroleum Hydrocarbons
 7/31/91-8/1/91
 Kissimmee Field Station
 80 Hoagland Road
 Kissimmee, Florida

Rev.	Description	Date	Approved





Checked	5/22/91	Drawing Number	585272-2286-A-C5
Approved	MD5		
Drawn By	FRP		

Total Purgeable Halocarbon (EPA 601) Concentration

WELL	(ppb)
MW-1	4
MW-2	4
MW-3	5
MW-4	3
MW-5	22
MW-6	15

LEGEND

- ⊗ Monitoring Well
- ▣ Surface Drain
- 1- Total Purgeable Halocarbon (EPA 601) Concentration (ppb)

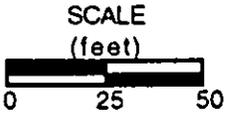


Figure 5:
Total EPA Method 601
Plume Map
 7/31/91-8/1/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved



ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

IT Environmental Services
7119 University Blvd.
Orlando, FL 32792

Work Order # : 91-07-487
Date Received: 07/31/91
Date Reported: 08/12/91
OLI Contact: D_HOLDING

Attn: Gregg Roberts

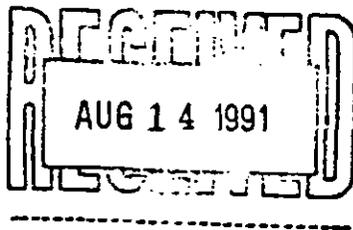
Work ID: 585272 SFWM Dist
Samples collected by: K. Reed - D. Rozzano
Total Samples: 5

SAMPLE IDENTIFICATION

01 MW-1
02 MW-2
03 Equipment Blank
04 Field Blank
05 Method Blank

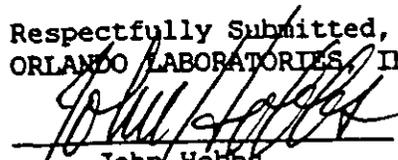
TEST CODES and NAMES used on this report

601GC Purgeable Halocarbons
602GC Purgeable Aromatics
610GC Polynuclear Aromatics
PB_FIL Lead, Filtered
TPH418 Tot. Petroleum Hydrocarbons



OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID	<u>MM-1</u>	SAMPLE #	<u>01A,B</u>
DATE COLLECTED	<u>07/31/91 13:40:00</u>	MATRIX	<u>WATER</u>
PB_FIL	<u><0.010</u> ng/l	TPH418	<u><1.0</u> ng/l

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID MN-1
DATE COLLECTED 07/31/91 13:40:00
TEST NAME Purgeable Halocarbons

SAMPLE# 01A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/07/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	4.0
t-1,2-Dichloroethane	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethane	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID MW-1
DATE COLLECTED 07/31/91 13:40:00
TEST NAME Purgeable Aromatics

SAMPLE# 01A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/07/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>38.0</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID MM-1
DATE COLLECTED 07/31/91 13:40:00
TEST NAME Polynuclear Aromatics

SAMPLE# 01B
MATRIX WATER
TEST CODE 610GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 08/01/91
DATE RUN 08/03/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER*	
Naphthalene	10	U
Acenaphthylene	10	U
Acenaphthene	10	U
Fluorene	10	U
Phenanthrene	10	U
Anthracene	10	U
Fluoranthene	10	U
Pyrene	10	U
Benzo(a)anthracene	10	U
Chrysene	10	U
Benzo(b)fluoranthene	10	U
Benzo(k)fluoranthene	10	U
Benzo(a)pyrene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Dibenzo(a,h)anthracene	10	U
Benzo(g,h,i)perylene	10	U
1-Methylnaphthalene	10	U
2-Methylnaphthalene	10	U

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID	<u>MM-2</u>	SAMPLE #	<u>02A,B</u>
DATE COLLECTED	<u>07/31/91 14:00:00</u>	MATRIX	<u>WATER</u>
PB_FIL	<u><0.010</u> ng/l	TPH418	<u><1.0</u> ng/l

ORLANDO LABORATORIES, INC.
 Received: 07/31/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-07-487

SAMPLE ID MN-2
 DATE COLLECTED 07/31/91 14:00:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 02A
 MATRIX WATER
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST RC

DATE EXTRACTED NA
 DATE RUN 08/07/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloronethane	1.0 U
Bromonethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	4.0 U
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U

Additional Compounds requested:
None Requested.

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID MM-2
DATE COLLECTED 07/31/91 14:00:00
TEST NAME Purgeable Aromatics

SAMPLE# 02A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/07/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>21.0</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
 Received: 07/31/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-07-487

SAMPLE ID MM-2
 DATE COLLECTED 07/31/91 14:00:00
 TEST NAME Polynuclear Aromatics

SAMPLE# 02B
 MATRIX WATER
 TEST CODE 610GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST JAB

DATE EXTRACTED 08/01/91
 DATE RUN 08/03/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT	QUALIFIER*
Naphthalene	10	U
Acenaphthylene	10	U
Acenaphthene	10	U
Fluorene	10	U
Phenanthrene	10	U
Anthracene	10	U
Fluoranthene	10	U
Pyrene	10	U
Benzo(a)anthracene	10	U
Chrysene	10	U
Benzo(b)fluoranthene	10	U
Benzo(k)fluoranthene	10	U
Benzo(a)pyrene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Dibenzo(a,h)anthracene	10	U
Benzo(g,h,i)perylene	10	U
1-Methylnaphthalene	10	U
2-Methylnaphthalene	10	U

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID	<u>Equipment Blank</u>	SAMPLE #	<u>03A,8</u>
DATE COLLECTED	<u>07/31/91 13:00:00</u>	MATRIX	<u>WATER</u>
PB_FIL	<u><0.010</u>	TPH418	<u><1.0</u>
	ng/l		ng/l

LABORATORIES, INC.
 id: 07/31/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-07-487

ID Equipment Blank
 COLLECTED 07/31/91 13:00:00
 ME Purgeable Halocarbons
 TYPE WATER
ug/l
RC

SAMPLE# 03A
 MATRIX WATER
 TEST CODE 601GC
 DATE EXTRACTED NA
 DATE RUN 08/07/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethane	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	1.0 U
t-1,2-Dichloroethane	1.0 U
Chloroform	6.0
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U
Additional Compounds requested:	
None Requested.	

NOTE: Chloroform result was confirmed.

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID Equipment Blank
DATE COLLECTED 07/31/91 13:00:00
TEST NAME Purgeable Aromatics

SAMPLE# 03A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/07/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID Equipment Blank
DATE COLLECTED 07/31/91 13:00:00
TEST NAME Polynuclear Aromatics

SAMPLE# 038
MATRIX WATER
TEST CODE 610GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 08/01/91
DATE RUN 08/03/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER*
Naphthalene	<u>10 U</u>
Acenaphthylene	<u>10 U</u>
Acenaphthene	<u>10 U</u>
Fluorene	<u>10 U</u>
Phenanthrene	<u>10 U</u>
Anthracene	<u>10 U</u>
Fluoranthene	<u>10 U</u>
Pyrene	<u>10 U</u>
Benzo(a)anthracene	<u>10 U</u>
Chrysene	<u>10 U</u>
Benzo(b)fluoranthene	<u>10 U</u>
Benzo(k)fluoranthene	<u>10 U</u>
Benzo(a)pyrene	<u>10 U</u>
Indeno(1,2,3-cd)pyrene	<u>10 U</u>
Dibenzo(a,h)anthracene	<u>10 U</u>
Benzo(g,h,i)perylene	<u>10 U</u>
1-Methylnaphthalene	<u>10 U</u>
2-Methylnaphthalene	<u>10 U</u>

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID	Field Blank	SAMPLE #	04A,B
DATE COLLECTED	07/31/91 13:50:00	MATRIX	WATER
PB_FIL	<0.010 ng/l	TPH418	<1.0 ng/l

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID Field Blank
DATE COLLECTED 07/31/91 13:50:00
TEST NAME Purgeable Halocarbons

SAMPLE# 04A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/07/9
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethane	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	1.0 U
t-1,2-Dichloroethane	1.0 U
Chloroform	5.0
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U
Additional Compounds requested:	
<u>None Requested.</u>	

NOTE: Chloroform result was confirmed.

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID Field Blank
DATE COLLECTED 07/31/91 13:50:00
TEST NAME Purgeable Aromatics

SAMPLE# 04A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/07/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID Field Blank
DATE COLLECTED 07/31/91 13:50:00
TEST NAME Polynuclear Aromatics

SAMPLE# 048
MATRIX WATER
TEST CODE 610GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 08/01/91
DATE RUN 08/03/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER*
Naphthalene	<u>10 U</u>
Acenaphthylene	<u>10 U</u>
Acenaphthene	<u>10 U</u>
Fluorene	<u>10 U</u>
Phenanthrene	<u>10 U</u>
Anthracene	<u>10 U</u>
Fluoranthene	<u>10 U</u>
Pyrene	<u>10 U</u>
Benzo (a) anthracene	<u>10 U</u>
Chrysene	<u>10 U</u>
Benzo (b) fluoranthene	<u>10 U</u>
Benzo (k) fluoranthene	<u>10 U</u>
Benzo (a) pyrene	<u>10 U</u>
Indeno (1,2,3-cd) pyrene	<u>10 U</u>
Dibenzo (a,h) anthracene	<u>10 U</u>
Benzo (g,h,i) perylene	<u>10 U</u>
1-Methylnaphthalene	<u>10 U</u>
2-Methylnaphthalene	<u>10 U</u>

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Halocarbons

SAMPLE# 05A
MATRIX METHOD B
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/07/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	1.0 U
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U
Additional Compounds requested:	
None Requested.	

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Aromatics

SAMPLE# 05A
MATRIX METHOD B
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/07/9
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 07/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-07-487

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Polynuclear Aromatics

SAMPLE# 05A
MATRIX METHOD B
TEST CODE 610GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 08/01/91
DATE RUN 08/03/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/DUALIFIER*
Naphthalene	<u>10 U</u>
Acenaphthylene	<u>10 U</u>
Acenaphthene	<u>10 U</u>
Fluorene	<u>10 U</u>
Phenanthrene	<u>10 U</u>
Anthracene	<u>10 U</u>
Fluoranthene	<u>10 U</u>
Pyrene	<u>10 U</u>
Benzo (a) anthracene	<u>10 U</u>
Chrysene	<u>10 U</u>
Benzo (b) fluoranthene	<u>10 U</u>
Benzo (k) fluoranthene	<u>10 U</u>
Benzo (a) pyrene	<u>10 U</u>
Indeno (1,2,3-cd) pyrene	<u>10 U</u>
Dibenzo (a,h) anthracene	<u>10 U</u>
Benzo (g,h,i) perylene	<u>10 U</u>
1-Methylnaphthalene	<u>10 U</u>
2-Methylnaphthalene	<u>10 U</u>

IT Environmental Services
Attn: Gregg Roberts

Report No: 91-07-48
Page No: 21

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES & DIFFERENCE</u>	<u>SPIKES & RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Lead	6	107	08/04/91	RJW
TPH 418	<1	96	08/06/91	PE

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-09-1991

LAB SAMPLE # : 9108024-03A
 ANALYSIS DATE : 08/07/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
TOLUENE	100	0	102	102	97	97	5
CHLOROBENZENE	100	0	97	97	95	95	2
ETHYLBENZENE	100	0	104	104	97	97	7

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
TOLUENE	81	118	17	80	144	52
CHLOROBENZENE	78	123	12	91	116	29
ETHYLBENZENE	80	115	15	55	145	44

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-09-1991

LAB SAMPLE # : 9108024-3
 ANALYSIS DATE : 08/07/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
1,1-Dichloroethane	50	0	58	116	53	106	9
1,1,1-Trichloroethane	50	0	54	108	49	98	10
1,1,2,2-Tetrachloroethane	50	0	45	90	45	90	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-Dichloroethane	65	139	27	46	176	27
1,1,1-Trichloroethane	68	138	29	41	138	15
1,1,2,2-Tetrachloroethane	60	144	35	64	139	35

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-02-1991

LAB SAMPLE # : 9107487-3
 ANALYSIS DATE : 08/03/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
NAPHTHALENE	80	0	50	63	60	75	18
FLUORENE	80	0	55	69	68	85	21 *
FLUORANTHENE	80	0	47	59	69	86	38 *

COMMENTS : * = parameter outside QC limits.

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
NAPHTHALENE	55	124	20	40	155	20
FLUORENE	30	128	20	30	155	20
FLUORANTHENE	53	150	20	35	150	20

CODES

CFU	Colony Forming Units
DIL	Diluted Out
D.O.	Diluted Out
H	Greater Than 200 Background Colonies
J	Indicates An Estimated Value
L	Less Than 100 Background Colonies
M	100-200 Background Colonies
MCL	Maximum Contaminant Level
N	No Background Colonies
NA	Not Applicable
N/C	No Combustion
NR	Not Requested
TNTC	Too Numerous To Count
U	Indicates the compound was analyzed for, but not detected. The numerical value preceding 'U' is the limit of detection for that compound, based on dilution.
<	Less Than
>	Greater Than

End of Report



INTERNATIONAL
TECHNOLOGY
CORPORATION

9107487

R/A Control No. 303884
C/C Control No. 257824

REQUEST FOR ANALYSIS

PROJECT NAME SFWM Dist
 PROJECT NUMBER 585272
 PROFIT CENTER NUMBER 2286
 PROJECT MANAGER Gregg Roberts
 BILL TO F.P. Corp
Tampa
 PURCHASE ORDER NO. 038194

DATE SAMPLES SHIPPED _____
 LAB DESTINATION _____
 LABORATORY CONTACT _____
 SEND LAB REPORT TO _____

O.L.I.
Denise Holdings
Gregg Roberts
F.P. Corp
Orlando

DATE REPORT REQUIRED _____
 PROJECT CONTACT _____
 PROJECT CONTACT PHONE NO. _____

Gregg Roberts
6798299

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
1 MW-1	water	80 ml	HCL	601, 602	
↓		250 ml	Acid(Nitric)	lead	Please filter
↓		2 Liters	Nitric	TPH 418.1	
↓		2 Liters	NONE	610	
2 MW-2	water	80 ml	HCL	601 602	
↓		250 ml	Nitric	lead	Please filter
↓		2 Liters	Nitric	TPH 418.1	
↓		2 Liters	NONE	610	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
 Normal ✓ Rush _____ (Subject to rush surcharge.)
 QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
 I ✓ II _____ III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
 Non-hazard ✓ Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
 Return to Client _____ Disposal by Lab ✓ Archive _____ (Indicate number of months.)

FOR LAB USE ONLY
 Received by Keith Amack Date/Time 7/31 15:46



INTERNATIONAL TECHNOLOGY CORPORATION

8107487

R/A Control No. 303884

C/C Control No. 237824

PROJECT NAME/NUMBER SEWM Dist LAB DESTINATION OLI

SAMPLE TEAM MEMBERS K. Reed B. Rozzaro CARRIERWAYBILL NO.

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
MW-1	monitoring well	7/31 13:40	water	2x 40ml		
↓	↓	↓	↓	1 x 250ml		
↓	↓	↓	↓	4 x 1 Liter		
MW-2	monitoring well	7/31 14:00	water	2x 40ml		
↓	↓	↓	↓	1 x 250ml		
↓	↓	↓	↓	4 x 1 Liter		

Special Instructions: Please filter lead

Possible Sample Hazards:

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Claude Rozzaro 7/31 15:40

Received By: Ruth Zennaro 7/31 15:40

2. Relinquished By:

Received By:

3. Relinquished By:

Received by:

4. Relinquished By:

Received By:



INTERNATIONAL
TECHNOLOGY
CORPORATION

9107487

REQUEST FOR ANALYSIS

R/A Control No. 303879
C/C Control No. 237823
1-31-91

PROJECT NAME SFWMD
PROJECT NUMBER 585272
PROFIT CENTER NUMBER 2286
PROJECT MANAGER Gregg Roberts
BILL TO IT Tampa

DATE SAMPLES SHIPPED _____
LAB DESTINATION _____
LABORATORY CONTACT _____
SEND LAB REPORT TO _____

OK
Denise Holding
IT Orlando

PURCHASE ORDER NO. 038194

DATE REPORT REQUIRED _____
PROJECT CONTACT _____
PROJECT CONTACT PHONE NO. _____

Std
Gregg Roberts
679-8299

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
3	Blank water	2x40ml	HCL	601, 602	Please Filter!
		1x250ml	None HNO3	Lead	
		2x1L	None	610	
		2x1L	None HNO3	TPH 418.1	
4	Blank water	2x40ml	HCL	601, 602	Please Filter!
		1x250ml	None HNO3	Lead	
		2x1L	None	610	
		2x1L	HNO3	TPH 418.1	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.)
 Normal Rush _____ (Subject to rush surcharge.)
 QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
 I II III _____ Project Specific _____

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
 Non-hazard Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)
 Normal Irritant Corrosive Flammable Toxic Other _____

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
 Return to Client _____ Disposal by Lab Archive _____ (Indicate number of months.)

FOR LAB USE ONLY
 Received by Guth Demack Date/Time 7/31 15:40



8107487

R/A Control No. 303879

C/C Control No. 237823

CHAIN-OF-CUSTODY RECORD

PROJECT NAME/NUMBER SFWMD LAB DESTINATION DLI

SAMPLE TEAM MEMBERS K. Reed D. Bozzano CARRIER/WAYBILL NO. _____

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
1	Stream Area	7/31 13:00	Water	2x40ml		
2	↓	↓	↓	1x250ml		
3	↓	↓	↓	2x1L		
4	↓	↓	↓	2x1L		
5	Field S. of MW-1	7/31 13:50	Water	2x40ml		
6	↓	↓	↓	1x250ml		
7	↓	↓	↓	2x1L		
8	↓	↓	↓	2x1L		

Special Instructions: _____

Possible Sample Hazards: _____

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Karey Reed 7/31 15:40 3. Relinquished By: _____

Received By: Guth Amrock 7/31 15:40

2. Relinquished By: _____ 4. Relinquished By: _____

Received By: _____



ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

IT Environmental Services
7119 University Blvd.
Orlando, FL 32792

Work Order # : 91-08-030
Date Received: 08/01/91
Date Reported: 08/12/91
OLI Contact: D_HOLDING

Attn: Gregg Roberts

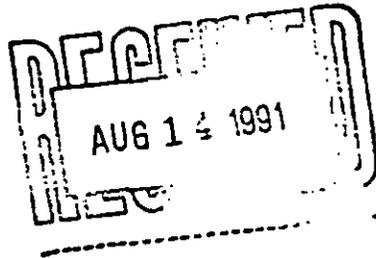
Work ID: 585272 SFWMD
Samples collected by: M. Speckner - K. Reed
Total Samples: 6

SAMPLE IDENTIFICATION

- 01 MW-3
- 02 MW-4
- 03 MW-5
- 04 MW-6
- 05 Trip Blank
- 06 Method Blank

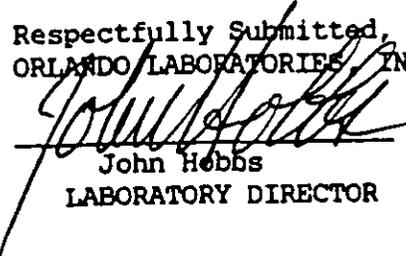
TEST CODES and NAMES used on this report

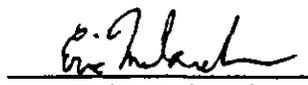
- 601GC Purgeable Halocarbons
- 602GC Purgeable Aromatics
- 610GC Polynuclear Aromatics
- PB_FFF Lead, Furnace-Fld Filtered
- TPH418 Tot. Petroleum Hydrocarbons



OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID	<u>MW-3</u>	SAMPLE #	<u>01A,B</u>
DATE COLLECTED	<u>08/01/91 12:25:00</u>	MATRIX	<u>WATER</u>
PB_FFF	<u><0.010</u>	TPH418	<u>1.05</u>
	<u>ng/l</u>		<u>ng/l</u>

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-3
DATE COLLECTED 08/01/91 12:25:00
TEST NAME Purgeable Halocarbons

SAMPLE# 01A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/05/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0U
Bromomethane	1.0U
Vinyl chloride	1.0U
Dichlorodifluoromethane	1.0U
Chloroethane	1.0U
Methylene Chloride	1.0U
1,1-Dichloroethene	3.0
Trichlorofluoromethane	1.0U
1,1-Dichloroethane	1.0
t-1,2-Dichloroethene	1.0U
Chloroform	1.0U
1,2-Dichloroethane	1.0U
1,1,1-Trichloroethane	1.0U
Carbon tetrachloride	1.0U
Bromodichloromethane	1.0U
1,2-Dichloropropane	1.0U
t-1,3-Dichloropropene	1.0U
Trichloroethene	1.0U
Dibromochloromethane	1.0U
1,1,2-Trichloroethane	1.0U
c-1,3-Dichloropropene	1.0U
2-Chloroethylvinylether	1.0U
Bromoform	1.0U
Chlorobenzene	1.0U
1,1,2,2-Tetrachloroethane	1.0U
Tetrachloroethene	1.0U
1,2-Dibromo-3-chloropropane	1.0U
1,2-Dichlorobenzene	1.0U
1,3-Dichlorobenzene	1.0U
1,4-Dichlorobenzene	1.0
Additional Compounds requested:	
None Requested.	

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-3
DATE COLLECTED 08/01/91 12:25:00
TEST NAME Purgeable Aromatics

SAMPLE# 01A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/05/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>3.0</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0</u>
MTBE	<u>44.0</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-3
DATE COLLECTED 08/01/91 12:25:00
TEST NAME Polynuclear Aromatics

SAMPLE# 01B
MATRIX WATER
TEST CODE 610GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 08/01/9
DATE RUN 08/06/9
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER*
Naphthalene	<u>10 U</u>
Acenaphthylene	<u>10 U</u>
Acenaphthene	<u>10 U</u>
Fluorene	<u>10 U</u>
Phenanthrene	<u>10 U</u>
Anthracene	<u>10 U</u>
Fluoranthene	<u>10 U</u>
Pyrene	<u>10 U</u>
Benzo(a)anthracene	<u>10 U</u>
Chrysene	<u>10 U</u>
Benzo(b)fluoranthene	<u>10 U</u>
Benzo(k)fluoranthene	<u>10 U</u>
Benzo(a)pyrene	<u>10 U</u>
Indeno(1,2,3-cd)pyrene	<u>10 U</u>
Dibenzo(a,h)anthracene	<u>10 U</u>
Benzo(g,h,i)perylene	<u>10 U</u>
1-Methylnaphthalene	<u>10 U</u>
2-Methylnaphthalene	<u>10 U</u>

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID	<u>MM-4</u>	SAMPLE #	<u>02A,B</u>
DATE COLLECTED	<u>08/01/91 11:50:00</u>	MATRIX	<u>WATER</u>
PB_FFF	<u><0.010</u>	TPH418	<u><1.0</u>
	<u>ng/l</u>		<u>ng/l</u>

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MM-4
DATE COLLECTED 08/01/91 11:50:00
TEST NAME Purgeable Halocarbons

SAMPLE# 02A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/05/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	2.0
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	1.0 U
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
 Received: 08/01/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-4
 DATE COLLECTED 08/01/91 11:50:00
 TEST NAME Purgeable Aromatics

SAMPLE# 02A
 MATRIX WATER
 TEST CODE 602GC

SAMPLE TYPE WATER
 UNITS UG/L
 ANALYST RC

DATE EXTRACTED NA
 DATE RUN 08/05/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>6.0</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>2.0</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MM-4
DATE COLLECTED 08/01/91 11:50:00
TEST NAME Polynuclear Aromatics

SAMPLE# 02B
MATRIX WATER
TEST CODE 610GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 08/01/91
DATE RUN 08/06/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER*	
Napthalene	10	U
Acenaphthylene	10	U
Acenaphthene	10	U
Fluorene	10	U
Phenanthrene	10	U
Anthracene	10	U
Fluoranthene	10	U
Pyrene	10	U
Benzo(a)anthracene	10	U
Chrysene	10	U
Benzo(b)fluoranthene	10	U
Benzo(k)fluoranthene	10	U
Benzo(a)pyrene	10	U
Indeno(1,2,3-cd)pyrene	10	U
Dibenzo(a,h)anthracene	10	U
Benzo(g,h,i)perylene	10	U
1-Methylnaphthalene	10	U
2-Methylnaphthalene	10	U

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID	<u>MW-5</u>	SAMPLE #	<u>03A,B</u>
DATE COLLECTED	<u>08/01/91 13:20:00</u>	MATRIX	<u>WATER</u>
PB_FFF	<u><0.010</u>	TPH418	<u>1.90</u>
	<u>ng/l</u>		<u>ng/l</u>

ORLANDO LABORATORIES, INC.
 Received: 08/01/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-5
 DATE COLLECTED 08/01/91 13:20:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 03A
 MATRIX WATER
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST RC

DATE EXTRACTED NA
 DATE RUN 08/05/91
 DILUTION FACTOR 1
 X MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethane	13.0
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	4.0
t-1,2-Dichloroethane	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	3.0
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0

Additional Compounds requested:
None Requested.

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-5
DATE COLLECTED 08/01/91 13:20:00
TEST NAME Purgeable Aromatics

SAMPLE# 03A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/05/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-5
DATE COLLECTED 08/01/91 13:20:00
TEST NAME Polynuclear Aromatics

SAMPLE# 038
MATRIX WATER
TEST CODE 610GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 08/01/9
DATE RUN 08/06/9
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER*
Naphthalene	<u>10 U</u>
Acenaphthylene	<u>10 U</u>
Acenaphthene	<u>10 U</u>
Fluorene	<u>10 U</u>
Phenanthrene	<u>10 U</u>
Anthracene	<u>10 U</u>
Fluoranthene	<u>10 U</u>
Pyrene	<u>10 U</u>
Benzo (a) anthracene	<u>10 U</u>
Chrysene	<u>10 U</u>
Benzo (b) fluoranthene	<u>10 U</u>
Benzo (k) fluoranthene	<u>10 U</u>
Benzo (a) pyrene	<u>10 U</u>
Indeno (1,2,3-cd) pyrene	<u>10 U</u>
Dibenzo (a,h) anthracene	<u>10 U</u>
Benzo (g,h,i) perylene	<u>10 U</u>
1-Methylnaphthalene	<u>10 U</u>
2-Methylnaphthalene	<u>10 U</u>

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID	<u>MM-6</u>	SAMPLE #	<u>04A,B</u>
DATE COLLECTED	<u>08/01/91 13:40:00</u>	MATRIX	<u>WATER</u>
PB_FFF	<u><0.010</u> ng/l	TPH418	<u><1.0</u> ng/l

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-6
DATE COLLECTED 08/01/91 13:40:00
TEST NAME Purgeable Halocarbons

SAMPLE# 04A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/05/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>7.0 U</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>4.0 U</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>2.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethane	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>2.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dibromo-3-chloropropane	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>

Additional Compounds requested:
None Requested.

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-6
DATE COLLECTED 08/01/91 13:40:00
TEST NAME Purgeable Aromatics

SAMPLE# 04A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/05/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>2.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID MW-6
DATE COLLECTED 08/01/91 13:40:00
TEST NAME Polynuclear Aromatics

SAMPLE# 04B
MATRIX WATER
TEST CODE 610GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST JAB

DATE EXTRACTED 08/01/91
DATE RUN 08/06/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/DUALIFIER*
Naphthalene	10 U
Acenaphthylene	10 U
Acenaphthene	10 U
Fluorene	10 U
Phenanthrene	10 U
Anthracene	10 U
Fluoranthene	10 U
Pyrene	10 U
Benzo (a) anthracene	10 U
Chrysene	10 U
Benzo (b) fluoranthene	10 U
Benzo (k) fluoranthene	10 U
Benzo (a) pyrene	10 U
Indeno (1,2,3-cd) pyrene	10 U
Dibenzo (a,h) anthracene	10 U
Benzo (g,h,i) perylene	10 U
1-Methylnaphthalene	10 U
2-Methylnaphthalene	10 U

ORLANDO LABORATORIES, INC.
 Received: 08/01/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-08-030

SAMPLE ID Method Blank
 DATE COLLECTED not specified
 TEST NAME Purgeable Halocarbons

SAMPLE# 06A
 MATRIX METHOD BL
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST RC

DATE EXTRACTED NA
 DATE RUN 08/05/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethane	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	1.0 U
t-1,2-Dichloroethane	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethane	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethane	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U

Additional Compounds requested:
None Requested.

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-08-030

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Aromatics

SAMPLE# 06A
MATRIX METHOD BL
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RC

DATE EXTRACTED NA
DATE RUN 08/05/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.

Received: 08/01/91

REPORT OF ANALYSIS

Results by Sample

Work Order # 91-08-030

SAMPLE ID Method Blank
 DATE COLLECTED not specified
 TEST NAME Polynuclear Aromatics

SAMPLE# 06A
 MATRIX METHOD B
 TEST CODE 610GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST JAB

DATE EXTRACTED 08/01/9
 DATE RUN 08/06/9
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER*
Naphthalene	<u>10</u> <u>U</u>
Acenaphthylene	<u>10</u> <u>U</u>
Acenaphthene	<u>10</u> <u>U</u>
Fluorene	<u>10</u> <u>U</u>
Phenanthrene	<u>10</u> <u>U</u>
Anthracene	<u>10</u> <u>U</u>
Fluoranthene	<u>10</u> <u>U</u>
Pyrene	<u>10</u> <u>U</u>
Benzo(a)anthracene	<u>10</u> <u>U</u>
Chrysene	<u>10</u> <u>U</u>
Benzo(b)fluoranthene	<u>10</u> <u>U</u>
Benzo(k)fluoranthene	<u>10</u> <u>U</u>
Benzo(a)pyrene	<u>10</u> <u>U</u>
Indeno(1,2,3-cd)pyrene	<u>10</u> <u>U</u>
Dibenzo(a,h)anthracene	<u>10</u> <u>U</u>
Benzo(g,h,i)perylene	<u>10</u> <u>U</u>
1-Methylnaphthalene	<u>10</u> <u>U</u>
2-Methylnaphthalene	<u>10</u> <u>U</u>

ORLANDO LABORATORIES, INC.
Received: 08/01/91

REPORT OF ANALYSIS
NonReported Work

Work Order # 91-08-030

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

05A : NOTEST

IT Environmental Services
Attn: Gregg Roberts

Report No: 91-08-030
Page No: 22

QUALITY CONTROL DATA SHEET

<u>PARAMETER</u>	<u>DUPLICATES</u> <u>% DIFFERENCE</u>	<u>SPIKES</u> <u>% RECOVERY</u>	<u>DATE</u>	<u>ANALYST</u>
Lead	*11	99	08/04/91	RJW
TPH 418	<1	106	08/06/91	PE

* NOTE: High relative percent difference of duplicates due to analyte concentration being near instrument detection limit (variance).

ORLANDO LABORATORIES INC.

GC ORGANICS

Page No: 23

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-09-1991

LAB SAMPLE # : 9107422-13A
 ANALYSIS DATE : 08/05/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
1,1-Dichloroethane	50	0	44	88	45	90	2
1,1,1-Trichloroethane	50	0	44	88	43	86	2
1,1,2,2-Tetrachloroethane	50	0	46	92	45	90	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-Dichloroethane	65	139	27	46	176	27
1,1,1-Trichloroethane	68	138	29	41	138	15
1,1,2,2-Tetrachloroethane	60	144	35	64	139	35

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-02-1991

LAB SAMPLE # : 9108006-1
 ANALYSIS DATE : 08/06/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
NAPHTHALENE	80	0	53	66	47	59	12
FLUORENE	80	0	61	76	55	69	10
FLUORANTHENE	80	0	68	85	61	76	11

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
NAPHTHALENE	55	124	20	40	155	20
FLUORENE	30	128	20	30	155	20
FLUORANTHENE	53	150	20	35	150	20

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 08-09-1991

LAB SAMPLE # : 9107422-13
 ANALYSIS DATE : 08/05/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD % RECOVERY	RPD
TOLUENE	100	0	100	100	100	100	0
CHLOROBENZENE	100	0	105	105	101	101	4
ETHYLBENZENE	100	0	116	116 *	112	112	4

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
TOLUENE	81	118	17	80	144	52
CHLOROBENZENE	78	123	12	91	116	29
ETHYLBENZENE	80	115	15	55	145	44

* Comments: Parameter outside QC limits due to matrix interference.

CODES

CFU	Colony Forming Units
DIL	Diluted Out
D.O.	Diluted Out
H	Greater Than 200 Background Colonies
J	Indicates An Estimated Value
L	Less Than 100 Background Colonies
M	100-200 Background Colonies
MCL	Maximum Contaminant Level
N	No Background Colonies
NA	Not Applicable
N/C	No Combustion
NR	Not Requested
TNTC	Too Numerous To Count
U	Indicates the compound was analyzed for, but not detected. The numerical value preceding 'U' is the limit of detection for that compound, based on dilution.
<	Less Than
>	Greater Than

End of Report



INTERNATIONAL
TECHNOLOGY
CORPORATION

9108030

REQUEST FOR ANALYSIS

R/A Control No. 303916
C/C Control No. 237825
8-1-91

PROJECT NAME: SFWMD
PROJECT NUMBER: 585272
PROFIT CENTER NUMBER: 2286
PROJECT MANAGER: Gregg Roberts
BILL TO: IT-Tampa

DATE SAMPLES SHIPPED
LAB DESTINATION
LABORATORY CONTACT
SEND LAB REPORT TO

OLL
Denise Holdings
IT/Orlando

DATE REPORT REQUIRED
PROJECT CONTACT
PROJECT CONTACT PHONE NO.

std
Gregg Roberts
679 508299

PURCHASE ORDER NO. 038194

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
MW-3	water	2 x 40 ml	HCl	601, 602	
MW-3		1 x 125 ml	HNO ₃	lead	field filtered
		2 x 1 L	none	610	
		2 x 1 L	HNO ₃	TPH 418.1	
n'					
MW-4	water	2 x 40 ml	HCl	601, 602	
		1 x 125 ml	HNO ₃	lead	field filtered
		2 x 1 L	none	610	
		2 x 1 L	HNO ₃	TPH 418.1	

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.) QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
Normal Rush (Subject to rush surcharge.) I II III Project Specific

POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
Non-hazard Flammable Skin Irritant Highly Toxic Other (Please Specify)

SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
Return to Client Disposal by Lab Archive (Indicate number of months.)

FOR LAB USE ONLY
Received by Dee Dee Roman Date/Time 8/1 16-03



INTERNATIONAL TECHNOLOGY CORPORATION
CHAIN-OF-CUSTODY RECORD



R/A Control No. 303916
C/C Control No. 237825

PROJECT NAME/NUMBER SFWMD / 585272
SAMPLE TEAM MEMBERS M. Speckner / K. Reed

LAB DESTINATION OLI
CARRIER/WAYBILL NO. hand delivered

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
MW-3	monitoring well	8-19-91 / 12:25	water	2 x 40ml		
			↓	1 x 250ml		
			↓	2 x 1L		
				2 x 1L		
MW-4	monitoring well	8-19-91 / 11:50	water	2 x 40ml		
				1 x 250ml		
				2 x 1L		
				2 x 1L		

Special Instructions: _____

Possible Sample Hazards: _____

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Karen Reed 8/19/91 16:03

Received By: Deedee Roman 8/1 16:03

2. Relinquished By: _____

Received By: _____



INTERNATIONAL
TECHNOLOGY
CORPORATION

91 08030

REQUEST FOR ANALYSIS

R/A Control No. 303917
C/C Control No. 237826

PROJECT NAME SFWMD DATE SAMPLES SHIPPED 8-1-91
 PROJECT NUMBER 585272 LAB DESTINATION DLI
 PROFIT CENTER NUMBER 2286 LABORATORY CONTACT Denise Holdings
 PROJECT MANAGER Gregg Roberts SEND LAB REPORT TO IT Orlando
 BILL TO IT Tampa
 PURCHASE ORDER NO. 038194 DATE REPORT REQUIRED Standard
 PROJECT CONTACT Gregg Robert
 PROJECT CONTACT PHONE NO. 679-8299

Sample No.	Sample Type	Sample Volume	Preservative	Requested Testing Program	Special Instructions
MW-5	water	2 x 40ml	HCl	601/602	
		1 x 250ml	HNO3	lead	field filtered
		2 x 1L	none	610	
		2 x 1L	HNO3	TPH 418.1	
MW-6	water	2 x 40ml	HCl	601/602	
		1 x 250ml	HNO3	lead	field filtered
		2 x 1L	none	610	
		2 x 1L	HNO3	TPH 418.1	
Trip Blank		2 x 40ml	HCl		

TURNAROUND TIME REQUIRED: (Rush must be approved by the Laboratory Project Manager.) QC LEVEL: (Levels II and III subject to surcharge; project-specific requirements must be submitted to lab before beginning work.)
 Normal Rush (Subject to rush surcharge.) I II III Project Specific _____
 POSSIBLE HAZARD IDENTIFICATION: (Please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances.)
 Non-hazard Flammable _____ Skin Irritant _____ Highly Toxic _____ Other _____ (Please Specify)
 SAMPLE DISPOSAL: (Please indicate disposition of sample following analysis. Lab will charge for packing, shipping, archive and disposal.)
 Return to Client _____ Disposal by Lab Archive _____ (Indicate number of months.)
 FOR LAB USE ONLY
 Received by Debbie Hoffman Date/Time 8/16/03



CHAIN-OF-CUSTODY RECORD

9108030

R/A Control No. 303917

C/C Control No. 237826

PROJECT NAME/NUMBER SFW MID

LAB DESTINATION OLI

SAMPLE TEAM MEMBERS H. Speckner / K. Reed

CARRIER/WAYBILL NO. hand delivered

Sample Number	Sample Location and Description	Date and Time Collected	Sample Type	Container Type	Condition on Receipt (Name and Date)	Disposal Record No.
HW-5	monitoring well	8.1.91 / 13:30	water	2 x 40ml		
		↓		1 x 250ml		
		↓		2 x 1L		
		↓		2 x 1L		
HW-6	monitoring well	8.1.91 / 13:40	water	2 x 40ml		
				1 x 250ml		
				2 x 1L		
				2 x 1L		
Trip Blank		8.1.91		2 x 40ml		

Special Instructions: _____

Possible Sample Hazards: _____

SIGNATURES: (Name, Company, Date and Time)

1. Relinquished By: Karen Reed 8/1/91 16:03

Received By: Deedee Roman 8/1 16:03

3. Relinquished By: _____

Received by: _____

2. Relinquished By: _____

Received By: _____

4. Relinquished By: _____

Received By: _____



South Florida Water Management District

PRO P.O. Box 24680 • 3301 Gun Club Road • West Palm Beach, FL 33416-4680 • (407) 686-8800 • FL WATS 1-800-432-2045
(Cleanup Kissimmee F.S.)

February 13, 1991

Ms. Debra Metrin
Florida Department of
Environmental Regulation
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767



Dear Ms. Metrin:

Subject: Contamination Assessment at Kissimmee Field Station; DER Fac. #498520968

I have enclosed the additional information you requested concerning the direction of groundwater flow and location of water use facilities.

The groundwater contour map is based on the water level survey by GTI on 27 November 1990. (See the Preliminary CAR sent to you in January 1991). The data indicates the groundwater flow direction is to the west.

A water use survey was conducted by the Kissimmee Field Station of all facilities within a quarter mile radius of the Field Station. Two facilities were found: (1) Reilly Aviation (Warbird Museum), located 1035 feet northeast of the contamination site, uses groundwater for non-potable purposes, and (2) Kissimmee Spring Water Company, located 630 feet southeast of the contamination site, draws water from a spring 500 feet below surface and sells the spring water to the public after treatment by a carbon filtration system. The two sites are shown on the enclosed location map.

Based on the results of the Preliminary CAR and water use survey, monitoring of the site for gasoline (BTEX and MTBE) is recommended for one year on a quarterly basis. Since diesel constituents were not detected, analysis for diesel could be performed on a less frequent basis. If you agree, sampling of the observation wells can be scheduled for March 1991.

Sincerely,

James K. Sturgis, P.E.
Project Manager

Enclosures

c: Gary E. Kihn, GTI

Governing Board:

James F. Garner, Chairman - Fort Myers
Doran A. Jason, Vice Chairman - Key Biscayne
Arsenio Milian - Miami

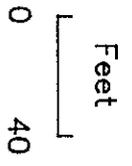
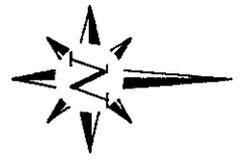
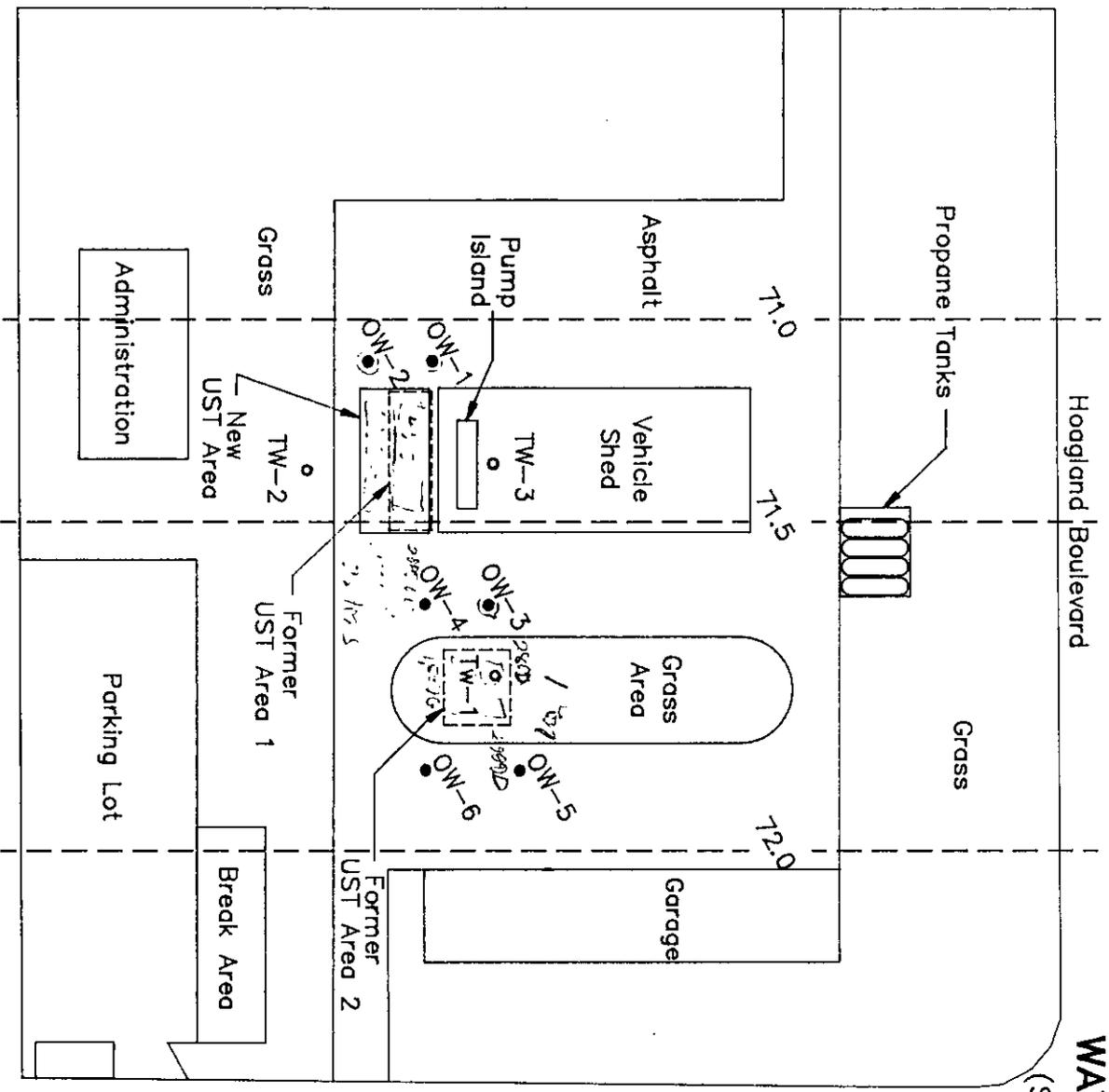
Fritz Stein - Belle Glade
Mike Stout - Windermere
Ken Adams - West Palm Beach

Valerie Boyd - Naples
James E. Nall - Fort Lauderdale
Charles W. Causey - Islamorada

John R. Wodraska, Executive Director
Tilford C. Creel, Deputy Executive Director
Thomas K. MacVicar, Deputy Executive Director

KISSIMMEE FIELD STATION WATER TABLE CONTOURS (FEET)

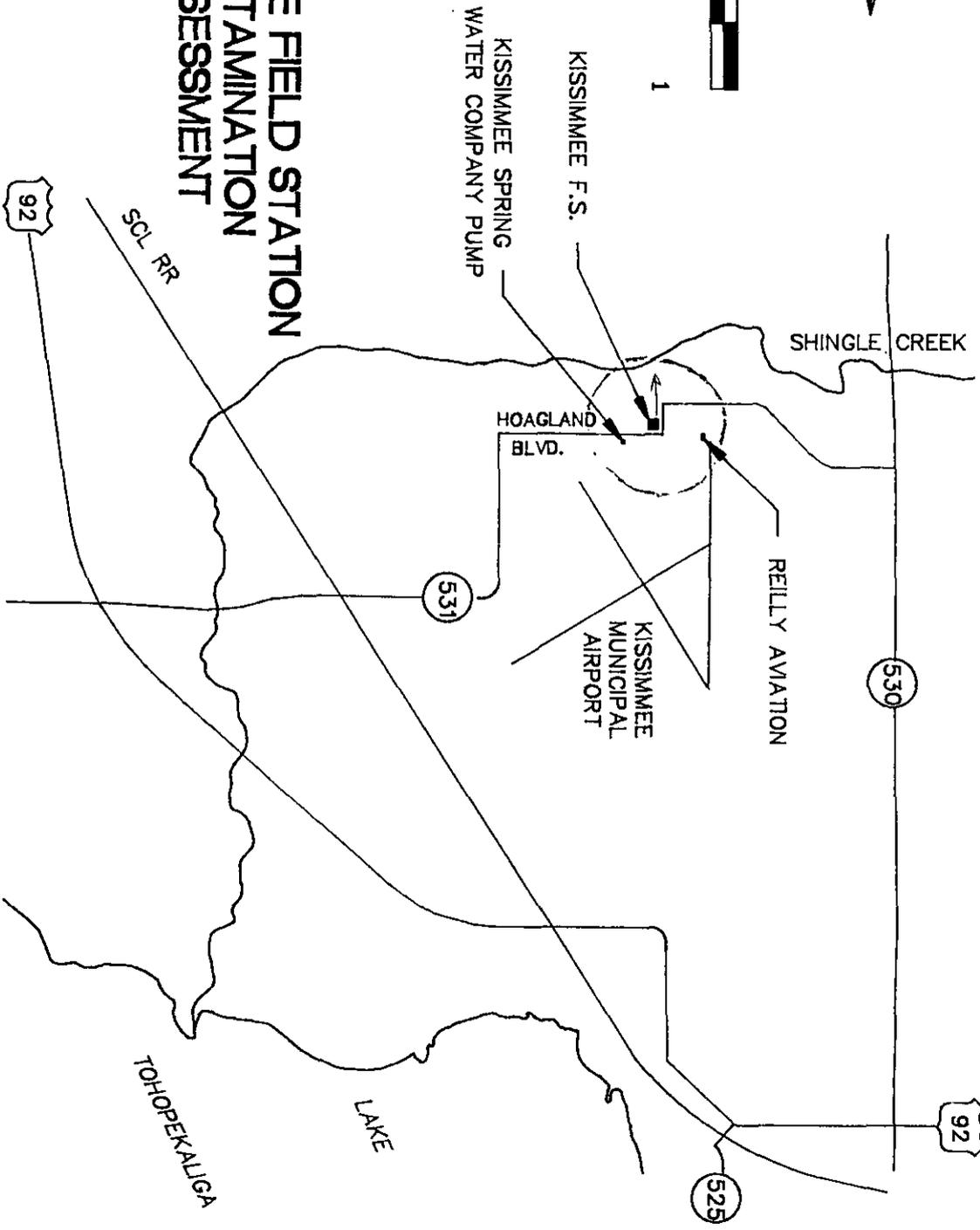
(Static Conditions - 27 Nov. 1990)



- Observation Well
- Temporary Well

Elevation Reference: NGVD

KISSIMMEE FIELD STATION CONTAMINATION ASSESSMENT



December 12, 1991

MONITORING ONLY PLAN
Quarterly Status Report
September - November, 1991
South Florida Water Management District
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida
DER Facility No. 498520968

1.0 Introduction

The following is a Quarterly Status Report for the Monitor Only Plan approved on March 3, 1991, for the South Florida Water Management District Kissimmee Pumping Station located at 80 Hoagland Boulevard in Kissimmee, Florida. The quarterly report will outline the results obtained during the second quarter of sampling.

2.0 Water Table Elevation

Water level data was collected for fluid elevations using a water level sensor probe. Figure 1 is the gradient map constructed from the monitoring data collected on October 31, 1991 (Table 1). The Hydraulic gradient map indicates that the groundwater is flowing towards the west northwest.

3.0 Groundwater Analysis Results

This quarter, the six monitoring wells located at the site were sampled for EPA Methods 601 and 602, as requested by the Florida Department of Environmental Regulation, Bureau of Waste Cleanup. The results of the EPA Method 602 analysis (Table 2) show that the purgeable aromatics benzene, toluene, ethylbenzene, and total xylene (BTEX) were not detected in any of the monitoring wells sampled. Methyl tert-Butyl Ether (MTBE) concentrations were detected in monitoring wells MW-1 and MW-2 remain below the 50 ppb MTBE target level set by the approved monitoring program. The Methyl tert-Butyl Ether (MTBE) concentration of 52 ppb, detected in monitoring well MW-3 is slightly above the target level set by Chapter 17.770 Florida Administrative Code (FAC). MTBE was not detected above the detection limit in monitoring wells MW-4, MW-5, and MW-6.

Figure 2 diagrams the absence of Total BTEX concentrations and Figure 3 diagrams the MTBE concentrations detected at the site. The results of the EPA Method 601 analysis (Figure 4) show that the purgeable halocarbon concentrations remain below the Primary Drinking Water Standards contained in Section 17-550.310 FAC, and the Florida Ground Water Guidance Concentrations distributed by the Florida Department of Environmental Regulation (FDER) in February 1989, with the exception of a 12 ppb and 9 ppb concentrations of 1,1 dichloroethene detected in monitoring wells MW-5 and MW-6 respectively. The second quarter laboratory analysis reports are included as Appendix A.

Table 3 summarizes the laboratory results reported during the initial quarterly sampling. Figures 5, 6, and 7 diagram the analytical results of the BTEX, MTBE, and EPA Method 601 concentrations (respectively) summarized in Table 3.

Table 2 (Continued)
Quarterly Analytical Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida

Sample Date: October 31, 1991

Well	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 601 (ppb)
MW-1	ND	4	ND	ND	ND	4
MW-2	ND	3	ND	ND	ND	3
MW-3	3	2	ND	ND	ND	5
MW-4	4	3	ND	1	ND	8
MW-5	12	9	3	2	ND	26
MW-6	9	9	2	2	6	28

ND denotes not detected above the detection limit

Table 3
Quarterly Analytical Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida

Sample Dates: July 31 and August 1, 1991

Well	Benzene (ppb)	Toluene (ppb)	Ethyl benzene (ppb)	Xylene (ppb)	Total BTEX (ppb)	MTBE (ppb)
MW-1	ND	ND	ND	ND	ND	38
MW-2	ND	ND	ND	ND	ND	21
MW-3	ND	3	ND	1	4	44
MW-4	ND	6	ND	2	8	ND
MW-5	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND

ND denotes not detected above the detection limit

Table 3 (Continued)
Quarterly Analytical Results
Kissimmee Pumping Station
80 Hoagland Boulevard
Kissimmee, Florida

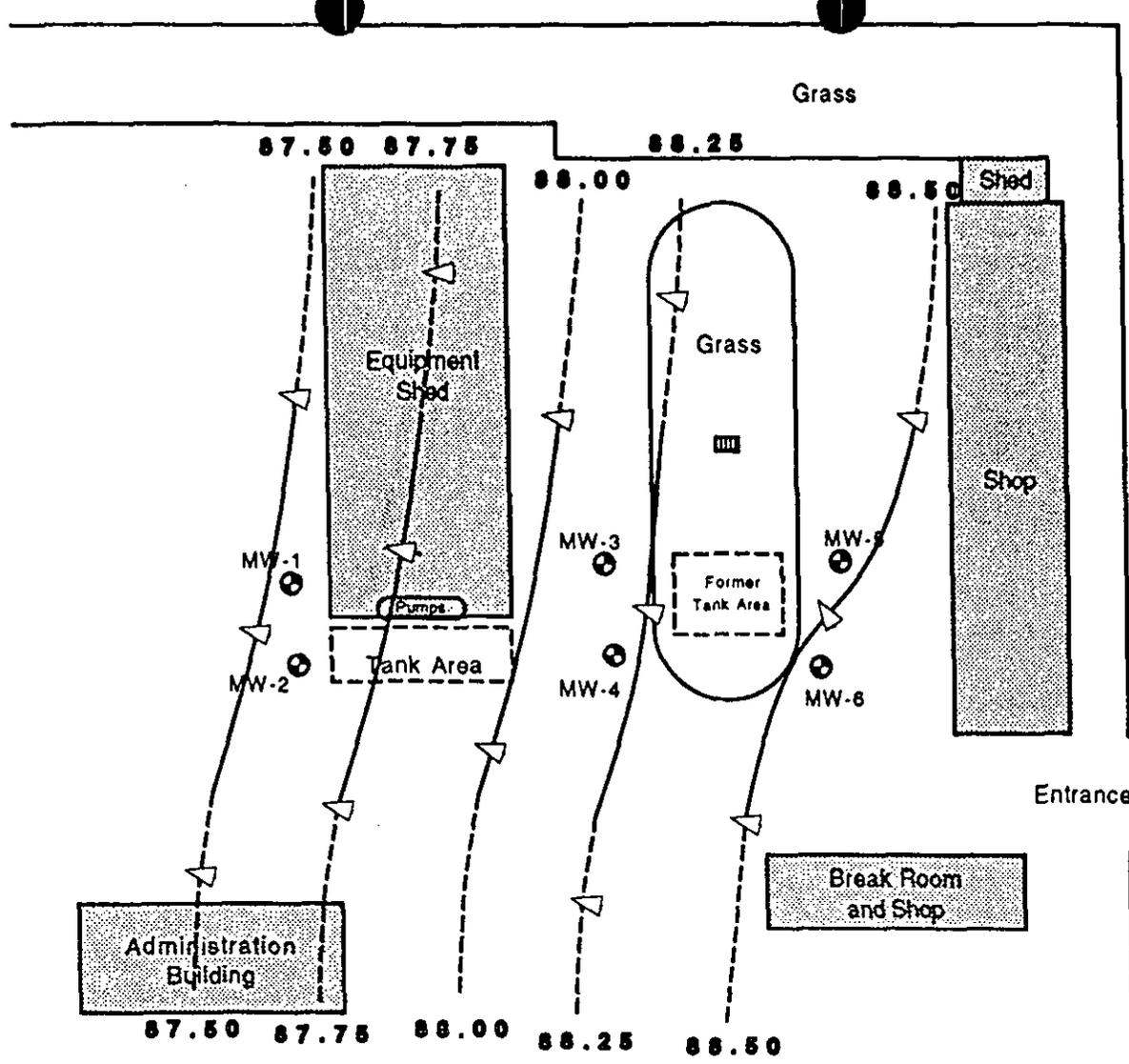
Sample Date: July 31 and August 1, 1991

Well	Naphthalene (ppb)	1-Methyl naphthalene (ppb)	2-Methyl naphthalene (ppb)	Total 6 1 0 (ppb)	Total Dissolved Lead (ppm)	Total Petroleum Hydrocarbons (ppm)
MW-1	ND	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	1.06
MW-4	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	1.9
MW-6	ND	ND	ND	ND	ND	ND

Well	1,1-Dichloro ethene (ppb)	1,1-Di chloroethane (ppb)	1,1,1-Trichloro ethane (ppb)	1,4-Di chlorobenzene (ppb)	Chloro benzene (ppb)	Total 6 0 1 (ppb)
MW-1	ND	4	ND	ND	ND	4
MW-2	ND	4	ND	ND	ND	4
MW-3	3	1	ND	1	ND	5
MW-4	2	ND	ND	1	ND	3
MW-5	13	4	3	1	1	22
MW-6	7	4	2	ND	2	15

ND denotes not detected above the detection limit

Drawing Number: 585272-2286-A-C6
 Checked: [Signature] 12/3/91
 Approved: [Signature] 12/3/91
 Drawn By: [Signature] 12/3/91



WATER TABLE ELEVATIONS

WELL	feet
MW-1	87.54
MW-2	87.56
MW-3	88.23
MW-4	88.24
MW-5	88.35
MW-6	88.55

LEGEND

- Monitoring Well
- Surface Drain
- Water Table Elevations (feet)
- Flow Direction

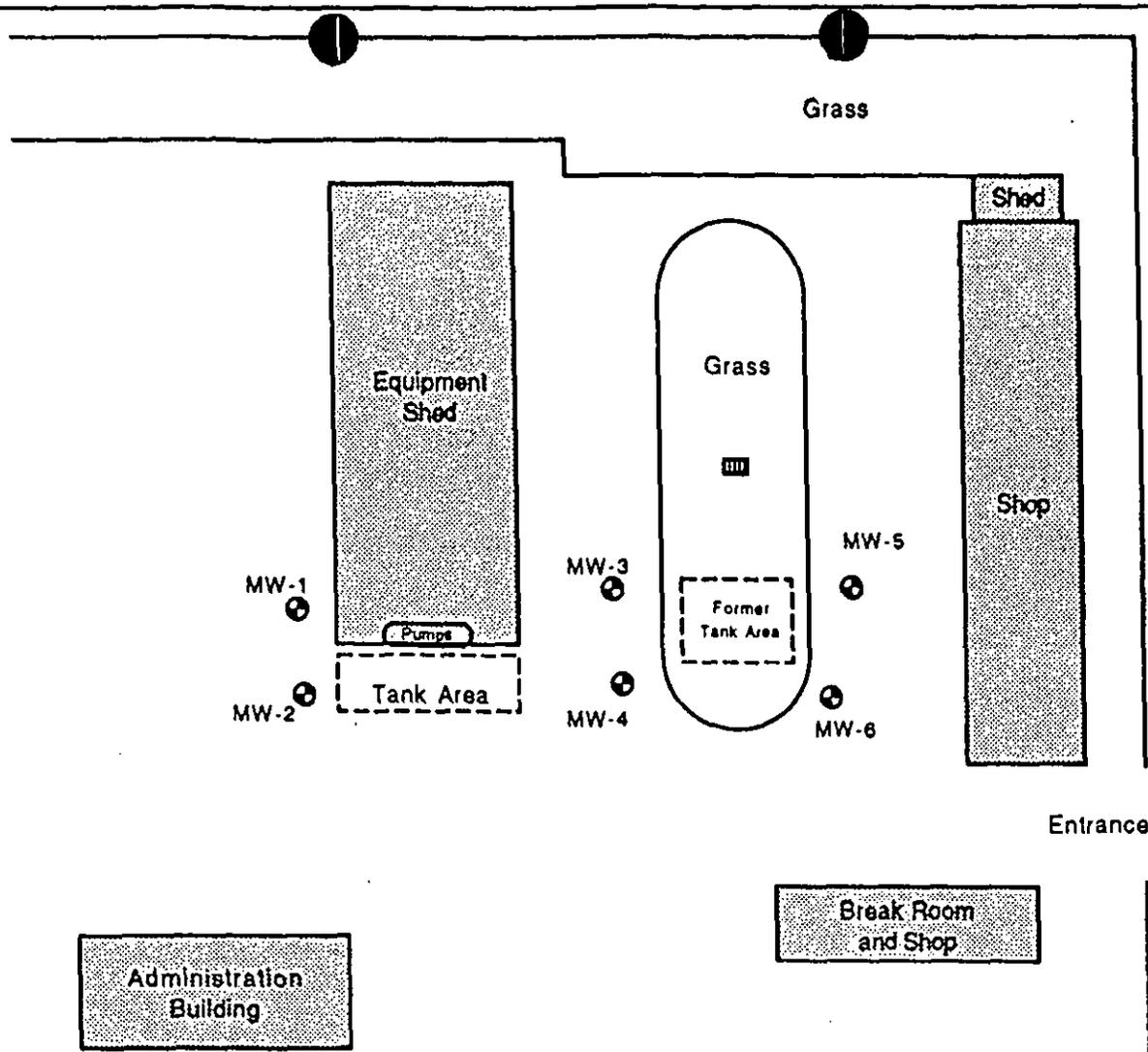


Figure 1:
HYDRAULIC GRADIENT MAP
 10/31/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

Drawn By	SAZ	Checked	SAZ	12/13	Drawing Number	585272-2286-A-C7
	12/13/91	Approved	SAZ	12/13/91		



Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	ND
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- Total BTEX Concentration (ppb)

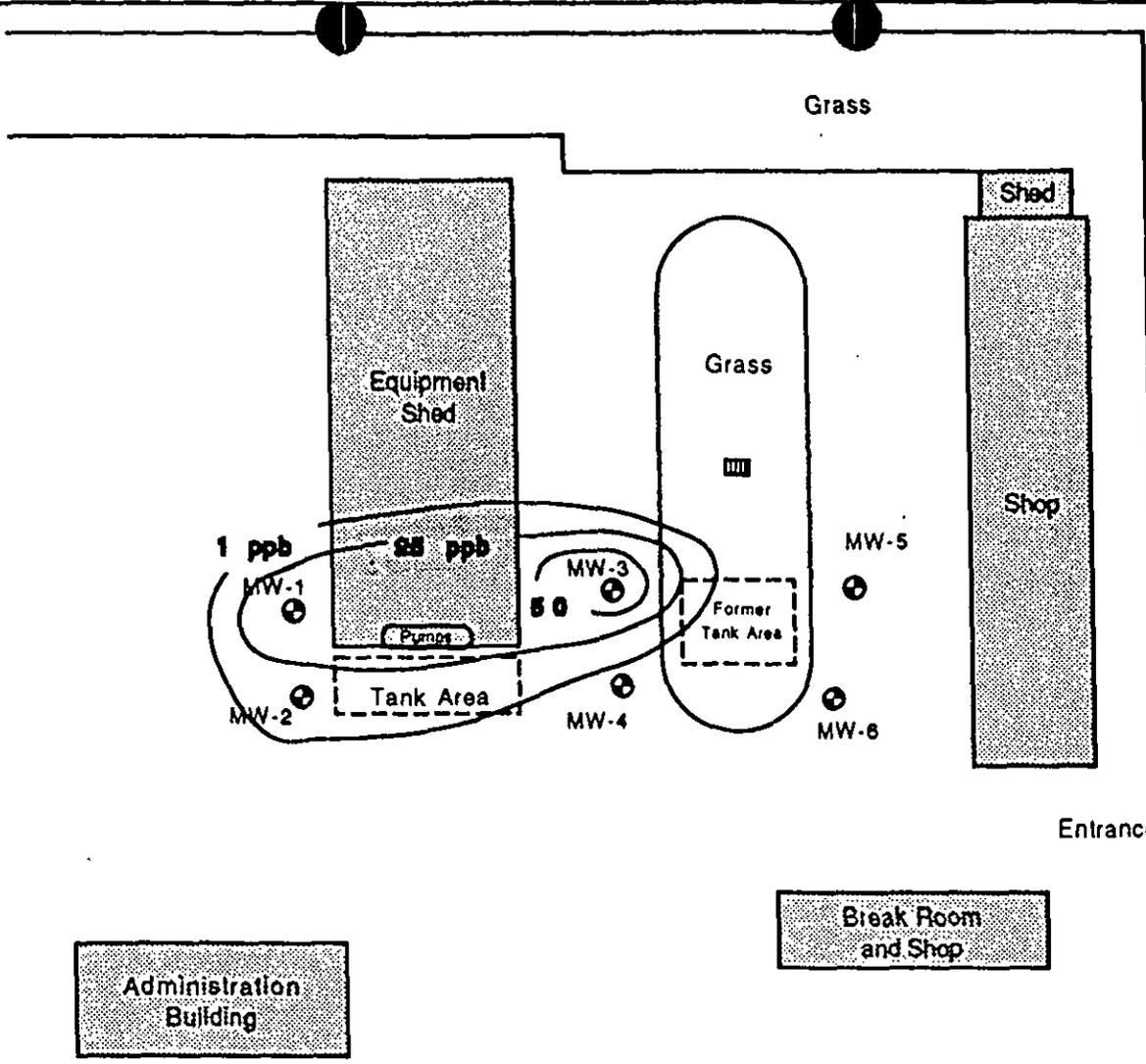


Figure 2:
Total BTEX Plume Map
 10/31/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

Drawing Number: 585272-2286-A-C8
 Checked: 5/22/91
 Approved: 12/14/91
 Drawn By: 5/22/91



MTBE Concentration

WELL	(ppb)
MW-1	31
MW-2	13
MW-3	52
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- MTBE Concentration (ppb)

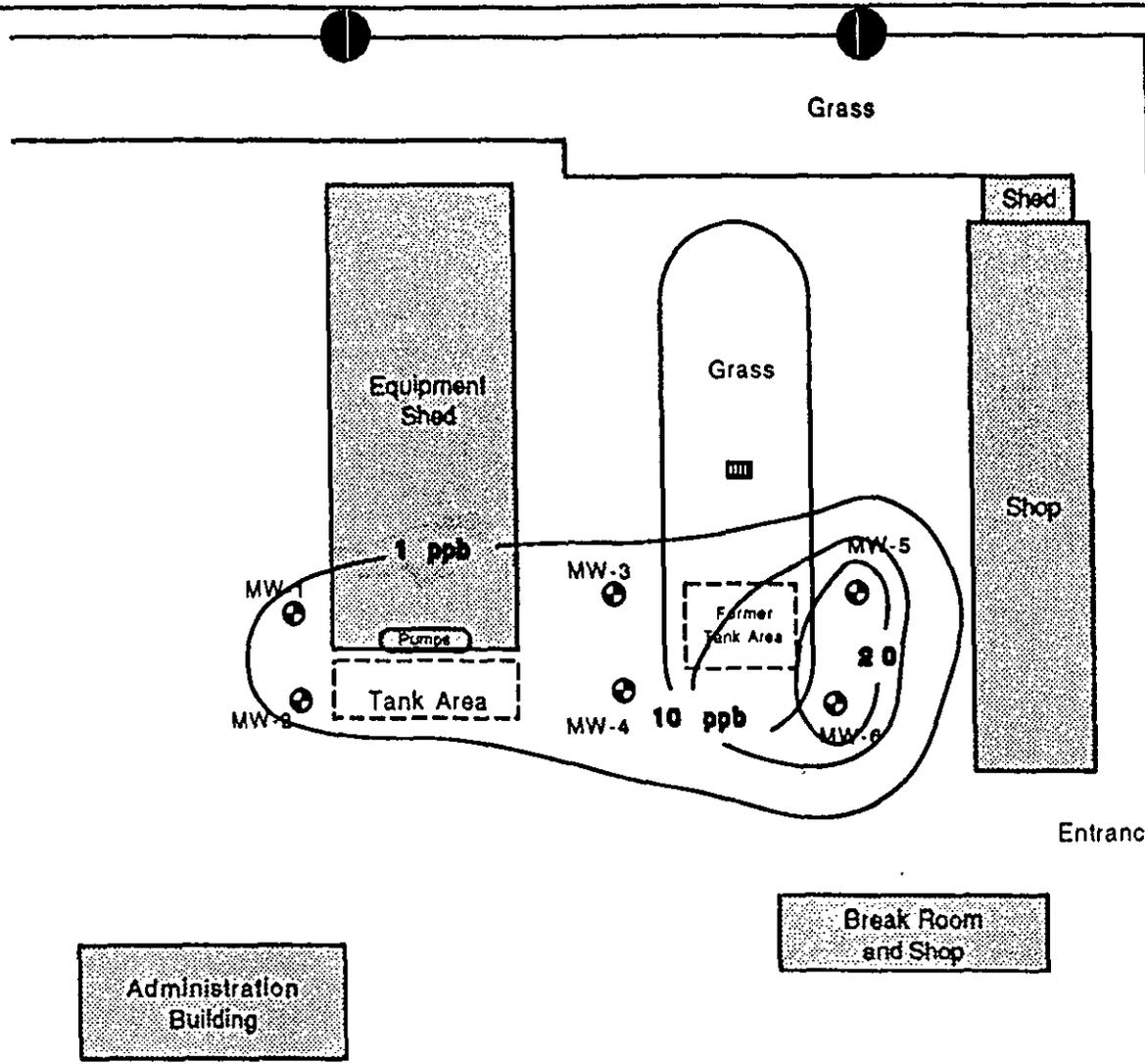


Figure 3:
 Methyl tert-Butyl Ether (MTBE)
 Plume Map
 10/31/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

Drawing Number: 585272-2288-A-C8
 Checked: [Signature] 12/13/91
 Approved: [Signature] 12/13/91
 Drawn By: [Signature] 12/13/91



Total Purgeable Halocarbon (EPA 601) Concentration

WELL	(ppb)
MW-1	4
MW-2	3
MW-3	5
MW-4	8
MW-5	26
MW-6	28

LEGEND

- Monitoring Well
- Surface Drain
- Total Purgeable Halocarbon (EPA 601) Concentration (ppb)

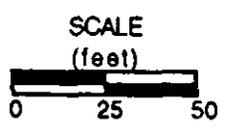
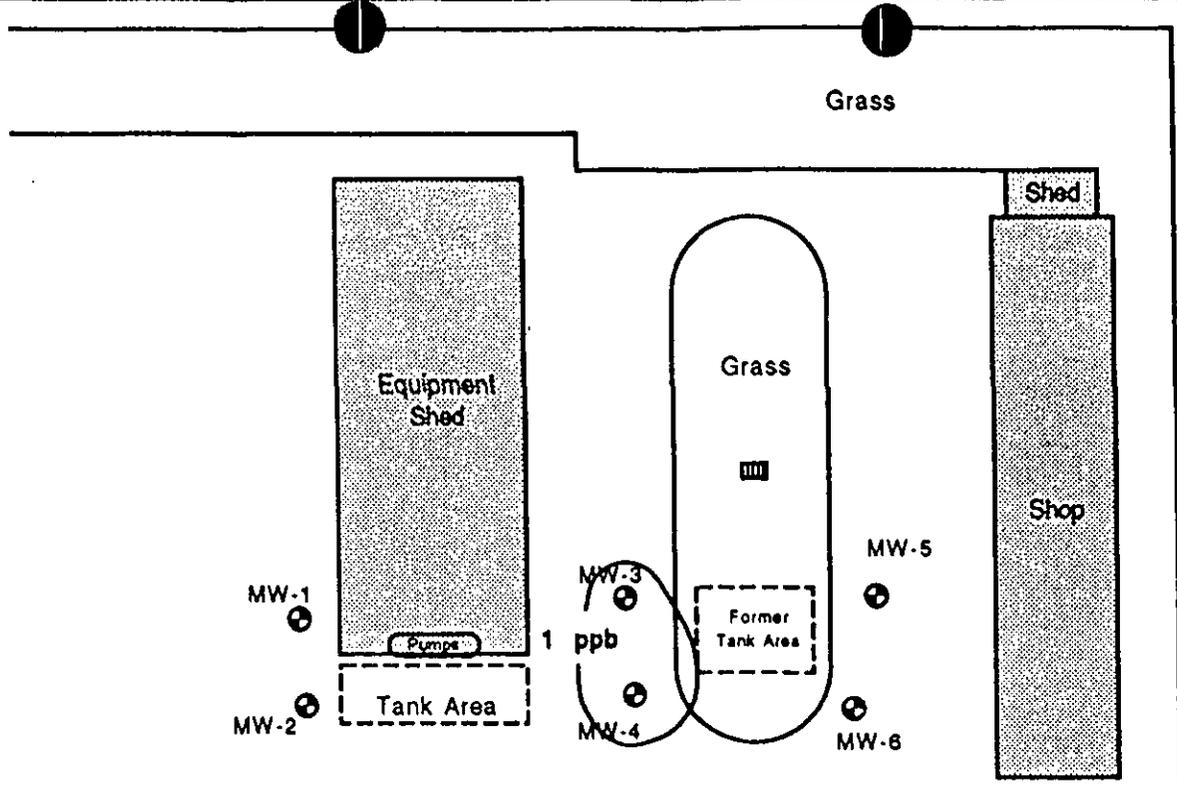


Figure 4:
 Total EPA Method 601
 Plume Map
 10/31/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida

Rev.	Description	Date	Approved



Drawn By	Checked	Approved	Drawing Number
5/12	1/12/91	1/23/91	585272-2286-AG10



Administration Building

Break Room and Shop

Total BTEX Concentration

WELL	(ppb)
MW-1	ND
MW-2	ND
MW-3	4
MW-4	8
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- Total BTEX Concentration (ppb)

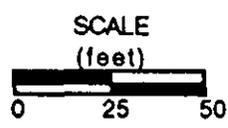
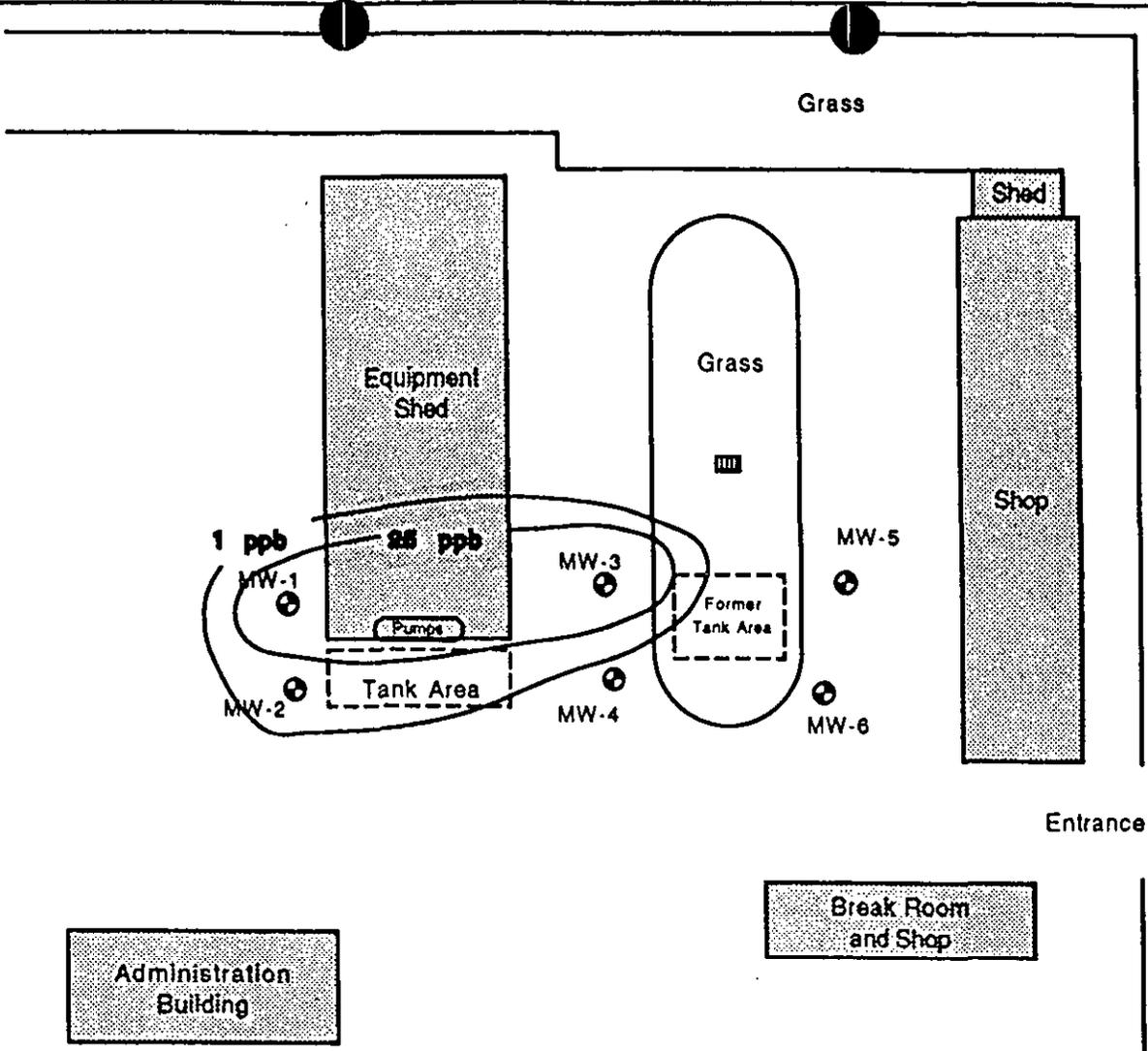


Figure 5:
Total BTEX Plume Map
 7/31/91-8/1/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

Checked	12/22/91	Drawing Number	585272-2286-A-C11
Approved	12/22/91	Drawn By	SAL



MTBE Concentration

WELL	(ppb)
MW-1	38
MW-2	21
MW-3	44
MW-4	ND
MW-5	ND
MW-6	ND

LEGEND

- Monitoring Well
- Surface Drain
- MTBE Concentration (ppb)

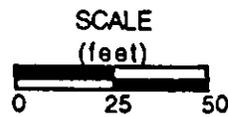
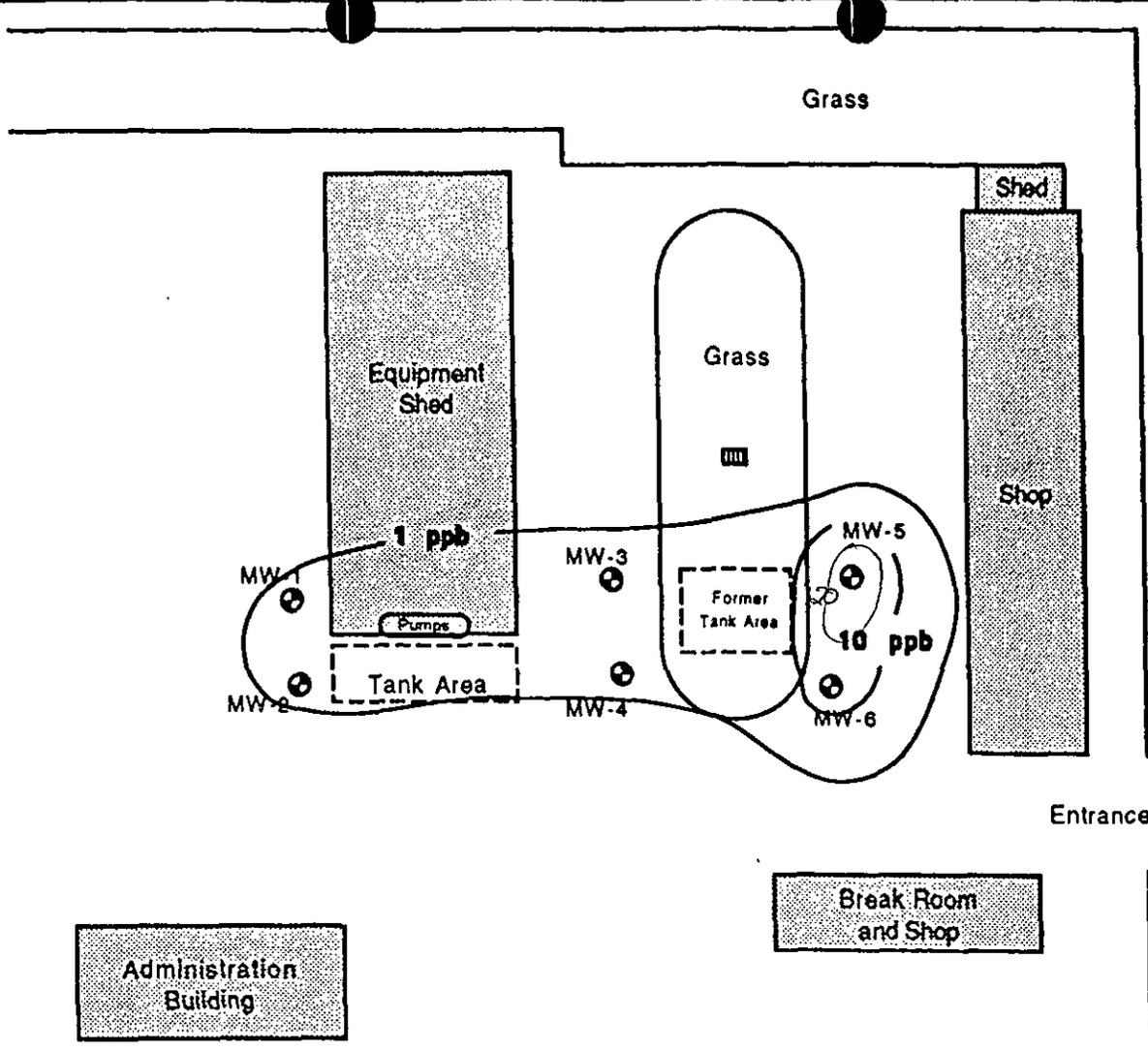


Figure 6:
Methyl tert-Butyl Ether (MTBE)
Plume Map
 7/31/91-8/1/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

Drawing Number: 585272-2286-A-C12
 Checked: [Signature] 12/1/91
 Approved: [Signature] 12/1/91
 Drawn By: [Signature] 12/1/91



Total Purgeable Halocarbon (EPA 601) Concentration

WELL	(ppb)
MW-1	4
MW-2	4
MW-3	5
MW-4	3
MW-5	22
MW-6	15

LEGEND

- ⊗ Monitoring Well
- ▤ Surface Drain
- 1 - Total Purgeable Halocarbon (EPA 601) Concentration (ppb)

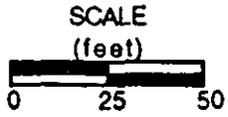


Figure 7:
Total EPA Method 601
Plume Map
 7/31/91-8/1/91
 Kissimmee Field Station
 80 Hoagland Boulevard
 Kissimmee, Florida



Rev.	Description	Date	Approved

ORLANDO LABORATORIES INC.

P.O. Box 149127 • Orlando, Florida 32814

REPORT OF ANALYSIS

IT Environmental Services
7119 University Blvd.
Winter Park, FL 32792

Work Order # : 91-10-457
Date Received: 10/31/91
Date Reported: 11/07/91
OLI Contact: D_HOLDING

Attn: Gregg Roberts

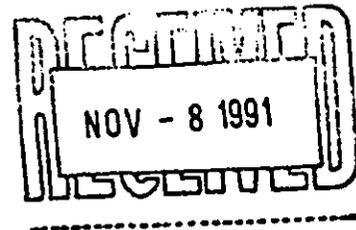
Work ID: 585272 SFWMD
Samples collected by: Client
Total Samples: 9

SAMPLE IDENTIFICATION

01 MW-1
02 MW-2
03 MW-3
04 MW-4
05 MW-5
06 MW-6
07 Equipment Blank
08 Trip Blank
09 Method Blank

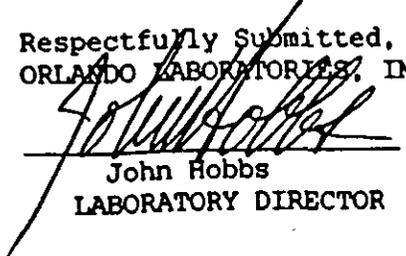
TEST CODES and NAMES used on this report

601GC Purgeable Halocarbons
602GC Purgeable Aromatics



OLI Florida Department of Health & Rehabilitative Service Identification Numbers are:
Drinking Water Certification Number 83141, Environmental Certification Number E83033

Respectfully Submitted,
ORLANDO LABORATORIES, INC.


John Hobbs
LABORATORY DIRECTOR


Eric Malarek
QUALITY CONTROL

Dedicated To Excellence

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-1
DATE COLLECTED 10/31/91 11:05:00
TEST NAME Purgeable Halocarbons

SAMPLE# 01A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	4.0
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U
Additional Compounds requested:	
None Requested.	

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-1
DATE COLLECTED 10/31/91 11:05:00
TEST NAME Purgeable Aromatics

SAMPLE# 01A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>31.0</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
 Received: 10/31/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-2
 DATE COLLECTED 10/31/91 11:10:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 02A
 MATRIX WATER
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST RMC

DATE EXTRACTED NA
 DATE RUN 11/01/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	1.0 U
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	3.0
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0 U
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-2
DATE COLLECTED 10/31/91 11:10:00
TEST NAME Purgeable Aromatics

SAMPLE# 02A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>13.0</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-3
DATE COLLECTED 10/31/91 11:40:00
TEST NAME Purgeable Halocarbons

SAMPLE# 03A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>3.0</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>2.0</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>1.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dibromo-3-chloropropane	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
Additional Compounds requested:	
None Requested.	

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID MM-3
DATE COLLECTED 10/31/91 11:40:00
TEST NAME Purgeable Aromatics

SAMPLE# 03A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>52.0</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
 Received: 10/31/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-10-457

SAMPLE ID MM-4
 DATE COLLECTED 10/31/91 11:45:00
 TEST NAME Purgeable Halocarbons

SAMPLE# Q4A
 MATRIX WATER
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST RMC

DATE EXTRACTED NA
 DATE RUN 11/01/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	4.0
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	3.0
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	1.0 U
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	1.0
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-4
DATE COLLECTED 10/31/91 11:45:00
TEST NAME Purgeable Aromatics

SAMPLE# 04A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0</u>
MTBE	<u>1.0 U</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-5
DATE COLLECTED 10/31/91 12:00:00
TEST NAME Purgeable Halocarbons

SAMPLE# 05A
MATRIX WATER
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>12.0</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>9.0</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>3.0</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dibromo-3-chloropropane	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>2.0</u>
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
 Received: 10/31/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-5
 DATE COLLECTED 10/31/91 12:00:00
 TEST NAME Purgeable Aromatics

SAMPLE# 05A
 MATRIX WATER
 TEST CODE 602GC

SAMPLE TYPE WATER
 UNITS UG/L
 ANALYST RMC

DATE EXTRACTED NA
 DATE RUN 11/01/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>2.0</u>
MTBE	<u>1.0 U</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
 Received: 10/31/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-10-457

SAMPLE ID MM-6
 DATE COLLECTED 10/31/91 12:05:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 06A
 MATRIX WATER
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST RMC

DATE EXTRACTED NA
 DATE RUN 11/01/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	1.0 U
Bromomethane	1.0 U
Vinyl chloride	1.0 U
Dichlorodifluoromethane	1.0 U
Chloroethane	1.0 U
Methylene Chloride	1.0 U
1,1-Dichloroethene	9.0
Trichlorofluoromethane	1.0 U
1,1-Dichloroethane	9.0
t-1,2-Dichloroethene	1.0 U
Chloroform	1.0 U
1,2-Dichloroethane	1.0 U
1,1,1-Trichloroethane	2.0
Carbon tetrachloride	1.0 U
Bromodichloromethane	1.0 U
1,2-Dichloropropane	1.0 U
t-1,3-Dichloropropene	1.0 U
Trichloroethene	1.0 U
Dibromochloromethane	1.0 U
1,1,2-Trichloroethane	1.0 U
c-1,3-Dichloropropene	1.0 U
2-Chloroethylvinylether	1.0 U
Bromoform	1.0 U
Chlorobenzene	6.0
1,1,2,2-Tetrachloroethane	1.0 U
Tetrachloroethene	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U
1,2-Dichlorobenzene	1.0 U
1,3-Dichlorobenzene	1.0 U
1,4-Dichlorobenzene	2.0
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID MW-6
DATE COLLECTED 10/31/91 12:05:00
TEST NAME Purgeable Aromatics

SAMPLE# 06A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>6.0</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>2.0</u>
MTBE	<u>1.0 U</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
 Received: 10/31/91

REPORT OF ANALYSIS
 Results by Sample

Work Order # 91-10-457

SAMPLE ID Equipment Blank
 DATE COLLECTED 10/31/91 11:20:00
 TEST NAME Purgeable Halocarbons

SAMPLE# 07A
 MATRIX WATER
 TEST CODE 601GC

SAMPLE TYPE WATER
 UNITS ug/l
 ANALYST RMC

DATE EXTRACTED NA
 DATE RUN 11/01/91
 DILUTION FACTOR 1
 % MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>1.0 U</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>1.0 U</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>1.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dibromo-3-chloropropane	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID Equipment Blank
DATE COLLECTED 10/31/91 11:20:00
TEST NAME Purgeable Aromatics

SAMPLE# 07A
MATRIX WATER
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:
None Requested

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Halocarbons

SAMPLE# 09A
MATRIX METHOD BL
TEST CODE 601GC

SAMPLE TYPE WATER
UNITS ug/l
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Chloromethane	<u>1.0 U</u>
Bromomethane	<u>1.0 U</u>
Vinyl chloride	<u>1.0 U</u>
Dichlorodifluoromethane	<u>1.0 U</u>
Chloroethane	<u>1.0 U</u>
Methylene Chloride	<u>1.0 U</u>
1,1-Dichloroethene	<u>1.0 U</u>
Trichlorofluoromethane	<u>1.0 U</u>
1,1-Dichloroethane	<u>1.0 U</u>
t-1,2-Dichloroethene	<u>1.0 U</u>
Chloroform	<u>1.0 U</u>
1,2-Dichloroethane	<u>1.0 U</u>
1,1,1-Trichloroethane	<u>1.0 U</u>
Carbon tetrachloride	<u>1.0 U</u>
Bromodichloromethane	<u>1.0 U</u>
1,2-Dichloropropane	<u>1.0 U</u>
t-1,3-Dichloropropene	<u>1.0 U</u>
Trichloroethene	<u>1.0 U</u>
Dibromochloromethane	<u>1.0 U</u>
1,1,2-Trichloroethane	<u>1.0 U</u>
c-1,3-Dichloropropene	<u>1.0 U</u>
2-Chloroethylvinylether	<u>1.0 U</u>
Bromoform	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
1,1,2,2-Tetrachloroethane	<u>1.0 U</u>
Tetrachloroethene	<u>1.0 U</u>
1,2-Dibromo-3-chloropropane	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
Additional Compounds requested:	
<u>None Requested.</u>	

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
Results by Sample

Work Order # 91-10-457

SAMPLE ID Method Blank
DATE COLLECTED not specified
TEST NAME Purgeable Aromatics

SAMPLE# 09A
MATRIX METHOD BL.
TEST CODE 602GC

SAMPLE TYPE WATER
UNITS UG/L
ANALYST RMC

DATE EXTRACTED NA
DATE RUN 11/01/91
DILUTION FACTOR 1
% MOISTURE NA

	RESULT/QUALIFIER
Benzene	<u>1.0 U</u>
Toluene	<u>1.0 U</u>
Chlorobenzene	<u>1.0 U</u>
Ethylbenzene	<u>1.0 U</u>
Styrene	<u>1.0 U</u>
Total Xylenes	<u>1.0 U</u>
1,2-Dichlorobenzene	<u>1.0 U</u>
1,3-Dichlorobenzene	<u>1.0 U</u>
1,4-Dichlorobenzene	<u>1.0 U</u>
MTBE	<u>1.0 U</u>

Additional Compounds:

None Requested

ORLANDO LABORATORIES, INC.
Received: 10/31/91

REPORT OF ANALYSIS
NonReported Work

Work Order # 91-10-457

FRACTION AND TEST CODES FOR WORK NOT REPORTED ELSEWHERE

08A : NOTEST

ORLANDO LABORATORIES INC.

GC ORGANICS

Page No: 19

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 11-06-1991

LAB SAMPLE # : 9110444-3
 ANALYSIS DATE : 11/01/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSD% RECOVERY	RPD
TOLUENE	100	0	100	100	100	100	0
CHLOROBENZENE	100	0	102	102	100	100	2
ETHYLBENZENE	100	0	103	103	103	103	0

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
TOLUENE	81	118	17	80	144	52
CHLOROBENZENE	78	123	12	91	116	29
ETHYLBENZENE	80	115	15	55	145	44

ORLANDO LABORATORIES INC.

GC ORGANICS

MATRIX SPIKE RESULTS

MATRIX : WATER
 REPORT DATE : 11-06-1991

LAB SAMPLE # : 9110444-03
 ANALYSIS DATE : 11/01/91

COMPOUND	AMOUNT SPIKED	SAMPLE RESULT	MS RESULT	MS % RECOVERY	MSD RESULT	MSDA RECOVERY	RPD
1,1-Dichloroethane	50	0	49	98	51	102	4
1,1,1-Trichloroethane	50	0	44	88	44	88	0
1,1,2,2-Tetrachloroethane	50	0	43	86	44	88	2

COMMENTS :

MATRIX SPIKE QUALITY CONTROL LIMITS

	WATER			SOIL		
	LOWER	UPPER	RPD	LOWER	UPPER	RPD
1,1-Dichloroethane	65	139	27	46	176	27
1,1,1-Trichloroethane	68	138	29	41	138	15
1,1,2,2-Tetrachloroethane	60	144	35	64	139	35

CODES

CFU	Colony Forming Units
DIL	Diluted Out
D.O.	Diluted Out
H	Greater Than 200 Background Colonies
J	Indicates An Estimated Value
L	Less Than 100 Background Colonies
M	100-200 Background Colonies
MCL	Maximum Contaminant Level
N	No Background Colonies
NA	Not Applicable
N/C	No Combustion
NR	Not Requested
TNTC	Too Numerous To Count
U	Indicates the compound was analyzed for, but not detected. The numerical value preceding 'U' is the limit of detection for that compound, based on dilution.
<	Less Than
>	Greater Than

End of Report



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 336408
Page 1 of 1

Write To accompany samples Yellow Field copy *See back of form for special instructions.

Project Name/No. 1 SFWMD 585278 Samples Shipment Date 7 10-31-91 Bill to: IT Tampa 9110457
 Sample Team Members 2 K. Reed, D. Rozano Lab Destination 8 OLI
 Profit Center No. 3 22886 Lab Contact 9 Denise Holding
 Project Manager 4 Gregg Roberts Project Contact/Phone 12 679-8299 Report to: 10 IT Orlando
 Purchase Order No. 6 Carrier/Waybill No. 13

Required Report Date 11 Std

ONE CONTAINER PER LINE

Sample 14 Number	Sample 15 Description/Type	Date/Time 16 Collected	Container 17 Type	Sample 17 Volume	Pre-19 preservative	Requested Testing 20 Program	Condition on 21 Receipt	Disposal 22 Record No.
MW-1	water	10/31 11:05	glass	80ml	HCL	601, 602		
MW-2		11:10						
MW-3		11:40						
MW-4		11:45						
MW-5		12:00						
MW-6		12:05						
Eg. blank		11:20						

Special Instructions: 23

Possible Hazard Identification: 24
Non-hazard Flammable Skin Irritant Poison B Unknown

Turnaround Time Required: 26
Normal Rush

QC Level: 27
I: II: III:

Sample Disposal: 25
Return to Client Disposal by Lab Archive

Project Specific (specify):
1. Relinquished by: Karen Reed Date: 10-31-91 Time: 15:05
(Signature/Affiliation)

2. Relinquished by: Ruth Flemming Date: _____ Time: _____
(Signature/Affiliation)

3. Relinquished by: _____ Date: _____ Time: _____
(Signature/Affiliation)

Comments: 29

**Document
Not
Available**

**Facility ID# 498520968
SAR review comments letter
Dated 1/8/91
Received 1/8/91**

**(Document was requested and could not be
obtained from the site's lead agency.)**

**Reviewed by
York STB, Inc.**

APPENDIX F

SOUTH FLORIDA WATER MANAGEMENT DISTRICT WATER WELL SURVEY

APPENDIX F1
KISSIMMEE FIELD STATION

Water Well Survey conducted by the SFWMD within 1- mile of the Kissimmee Field Station (with aerial):



South Florida Water Management District - Water Well Survey
 Kissimmee Field Station
 Kissimmee, Osceola County, Florida

PERMIT_NO	APP_NO	PERMIT_TYP	PROJECT_NA	LU_CODE	ACRES_SERV	FACIL_ID	FACIL_TYPE	FACIL_NAME	PUMP_TYPE	DIAMETER	PUMP_DEPTH	PUMP_CAPAC	X_COORD	Y_COORD	WELL_DEPTH	CASE_DEPTH	USE_STATUS	FAC_STATUS	WATER_USE	SOURCE	REVIEWER	SEC_NO	TWP	RGE	CNTY_CODE	FEE_CATEGO
49-00065-W	930515-288	WU	JOHN BRONSON GROVES	AGR	120	10624	WELL	3	CEN	0	0	100	508409	1439766	375	140	PRM	E	IRR	Floridan Aquifer System	Walter P. Ward, P.G.	24	25	28	49	IND
49-00065-W	930515-288	WU	JOHN BRONSON GROVES	AGR	120	10626	WELL	2	CEN	0	0	500	508310	1440207	375	206	PRM	E	IRR	Floridan Aquifer System	Walter P. Ward, P.G.	24	25	28	49	IND
49-00414-W	X000013971	WU	HOLIDAY INN'S KIDS VILLAGE	LAN	8	19578	WELL	1	#N/A	0	0	80	508891	1438111	400	210	STD	P	IRR	Floridan Aquifer System	Ann Marie Superchi	25	25	28	49	GP
49-00804-W	950918-3	WU	WOODSIDE APARTMENTS	LAN	8.5	19657	WELL	1	SUB	0	0	200	516038	1442164	250	0	PRM	E	IRR	Floridan Aquifer System	Alex Glebocki	20	25	29	49	GP
49-00992-W	060814-22	WU	GIVE KIDS THE WORLD WELL REPLACEMENT	LAN	14	30914	WELL	W3	SUB	0	0	75	508300	1438910	250	0	TBPA	P	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	24,25	25	28	49	GP MIN
49-00992-W	060814-22	WU	GIVE KIDS THE WORLD WELL REPLACEMENT	LAN	14	30915	WELL	W1	SUB	0	0	65	508515	1437950	250	0	SEC	E	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	24,25	25	28	49	GP MIN
49-00992-W	060814-22	WU	GIVE KIDS THE WORLD WELL REPLACEMENT	LAN	14	30916	WELL	W2	SUB	0	0	65	508730	1437300	250	0	SEC	E	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	24,25	25	28	49	GP MIN
49-00992-W	060814-22	WU	GIVE KIDS THE WORLD WELL REPLACEMENT	LAN	14	194366	WELL	W4	SUB	0	0	75	508321	1438756	250	0	PRM	P	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	24,25	25	28	49	GP MIN
49-01007-W	990923-15	WU	LA MIRADA PLAZA	LAN	1	31552	WELL	W-2	SUB	0	20	85	514790	1440070	225	175	PRM	P	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	17	25	29	49	GP
49-01099-W	010212-11	WU	NEXTEL KISSIMMEE AIRPORT	LAN	0.5	105112	WELL	Well 1	SUB	0	0	25	511455	1440615	200	200	PRM	P	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	19	25	29	49	GP
49-01119-W	010607-3	WU	KISSIMMEE INDUSTRIAL PARK - LOT 3	LAN	11.86	108922	WELL	Well #1	SUB	0	0	63	514835	1441695	350	0	PRM	P	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	20	25	29	49	GP
49-01119-W	010607-3	WU	KISSIMMEE INDUSTRIAL PARK - LOT 3	LAN	11.86	108923	WELL	Well #2	SUB	0	0	66	514575	1441175	350	0	PRM	P	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	20	25	29	49	GP
49-01121-W	010719-16	WU	PIRATES ISLAND ADVENTURE GOLF	LAN	2	110441	WELL	2	SUB	0	0	40	509941	1443187	250	150	PRM	P	IRR	Floridan Aquifer System	Christina Shaw	19	25	29	49	GP
49-01121-W	010719-16	WU	PIRATES ISLAND ADVENTURE GOLF	LAN	2	110440	WELL	1	SUB	0	0	25	509941	1443197	250	150	TBPA	E	IRR	Floridan Aquifer System	Christina Shaw	19	25	29	49	GP
49-01225-W	080108-5	WU	KISSIMMEE GOLF CLUB	GOL	55	123490	WELL	Well No. 1	SUB	0	0	375	515537	1437481	300	200	PRM	E	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	29	25	29	49	IND
49-01225-W	080108-5	WU	KISSIMMEE GOLF CLUB	GOL	55	125363	WELL	Well No. 4	SUB	0	0	10	514709	1436342	200	100	PRM	E	IRR	Surficial Aquifer System	George M. Ogden, Jr. P.G.	29	25	29	49	IND
49-01225-W	080108-5	WU	KISSIMMEE GOLF CLUB	GOL	55	125361	WELL	Well No. 2	SUB	0	0	90	515486	1437564	260	128	SEC	E	IRR	Floridan Aquifer System	George M. Ogden, Jr. P.G.	29	25	29	49	IND
49-01225-W	080108-5	WU	KISSIMMEE GOLF CLUB	GOL	55	125362	WELL	Well No. 3	SUB	0	0	10	515434	1437481	200	100	PRM	E	IRR	Surficial Aquifer System	George M. Ogden, Jr. P.G.	29	25	29	49	IND
49-01846-W	071102-6	WU	BASS PET MOTEL	PWS	0.1	218132	WELL	BASS PET	SUB	0	0	30	509884	1435385	200	150	PRM	P	PWS	Upper Floridan Aquifer	Adrienne Charbonneau	30	25	29	49	GP MIN

Key to “Use Status” Codes:

PRM	Primary
PROD	Production
RCH	Recharge
SEC	Secondary
STD	Standby
ABN	Abandoned
ASR	Aquifer Storage & Recovery
INJ	Injection
MON	Monitor
OTH	Other
PNC	Proposed but Never Constructed
TST	Test
TBPA	To be Plugged and Abandoned

Key to “Water Use” Codes:

IRR	Irrigation
TST	Test
PWS	Public Water Supply
IRL	Irrigation Water Replacement
IND	Industrial
ASR	Aquifer/Storage/Recovery
DIV	Diversion and Impoundment
MND	Mining/Dewatering
PH	Swimming Pool Heating/Withdrawal
OTR	Other
AC	Air Conditioning/Withdrawal
PHR	Swimming Pool Heating/Injection
MON	Monitor
LIV	Livestock
DOM	Single Family
ARR	Aquifer Remediation and Recovery
FRZ	Freeze Protection
RCG	Recharge

All data is in State plane feet, Florida East (3601) zone, NAD83. Water Use facilities GIS files contain those records of Water Use permits for which the District has X/Y Coordinates. These coordinates are obtained from permit applicants, and South Florida Water Management District does not guarantee their accuracy. Permits are not required for private residences.

The following are attribute items:

<u>ITEM NAME</u>	<u>DESCRIPTION</u>
PERMIT_NO	Permit number
APP_NO	Application number
PERMIT_TYP	Type (<u>IND</u> ividual or <u>General</u> <u>Permit</u> , see below)
PROJECT_NA	Name of project
LU_CODE	Land use code (see below)
ACRES_SERV	Portion of the project (acres) serviced or irrigated
FACIL_ID	SFWMD internal ID number
FACIL_TYPE	Facility type (GW <u>Well</u> , SW <u>Pump</u> or <u>Culvert</u>)
FACIL_NAME	SFWMD internal facility name
PUMP_TYPE	Pump type
DIAMETER	Of well, pump, or culvert (in inches)
PUMP_CAPAC	MAX capacity of pump (GPM)
PUMP_DEPTH	Vertical location of pump intake or culvert invert; referenced to NGVD for surface water pumps and culverts, land surface for wells
X_COORD	X coordinate
Y_COORD	Y coordinate
WELL_DEPTH	Total well depth (in feet)
CASE_DEPTH	Cased depth (in feet)
USE_STATUS	Primary, secondary, abandoned, stand-by, to-be-plugged-and-abandoned, recharge, monitor, injection
FAC_STATUS	E = Existing; P = Proposed
SOURCE	Aquifer source or surface water source
WATER_USE	Irrigation, PWS, Industrial, Aquifer Storage Recovery, Monitor, Freeze Protection, Recharge, Diversion & Impoundment
SECNO	Section number
TWP	Township
RGE	Range

Note: PERMIT_TYP will be either GP or IND. **GP** indicates pumpage of <100000/gpd. **IND** is pumpage >100000/gpd.

LU_CODE refers to the type of water use (i.e. **AGR** = agriculture, **PWS** = public-water-supply, **GOL** = golf, **DEW** = dewatering, **IND** = industrial, **LAN** = landscape, **LIV** = livestock)

In some instances there may be more than one **WATER_USE** for the same facility (i.e. both PWS and Monitor). This will result in TWO records for that one facility.

COUNTY abbreviations are as follows:

BR = Broward (06)	MO = Monroe (44)
CH = Charlotte (08)	MD = Miami-Dade (13)
CO = Collier (11)	OK = Okeechobee (47)
GL = Glades (22)	OR = Orange (48)

HE = Hendry (26) OS = Osceola (49)
HI = Highlands (28) PB = Palm Beach (50)
LE = Lee (36) PO = Polk (53)
MA = Martin (43) SL = St Lucie (56)

If you have any further questions, please contact me.

Janet Donnelly
Staff Geographer
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, FL 33416

Phone: (561) 682-6877
Email: <jdonnel@sfwmd.gov>

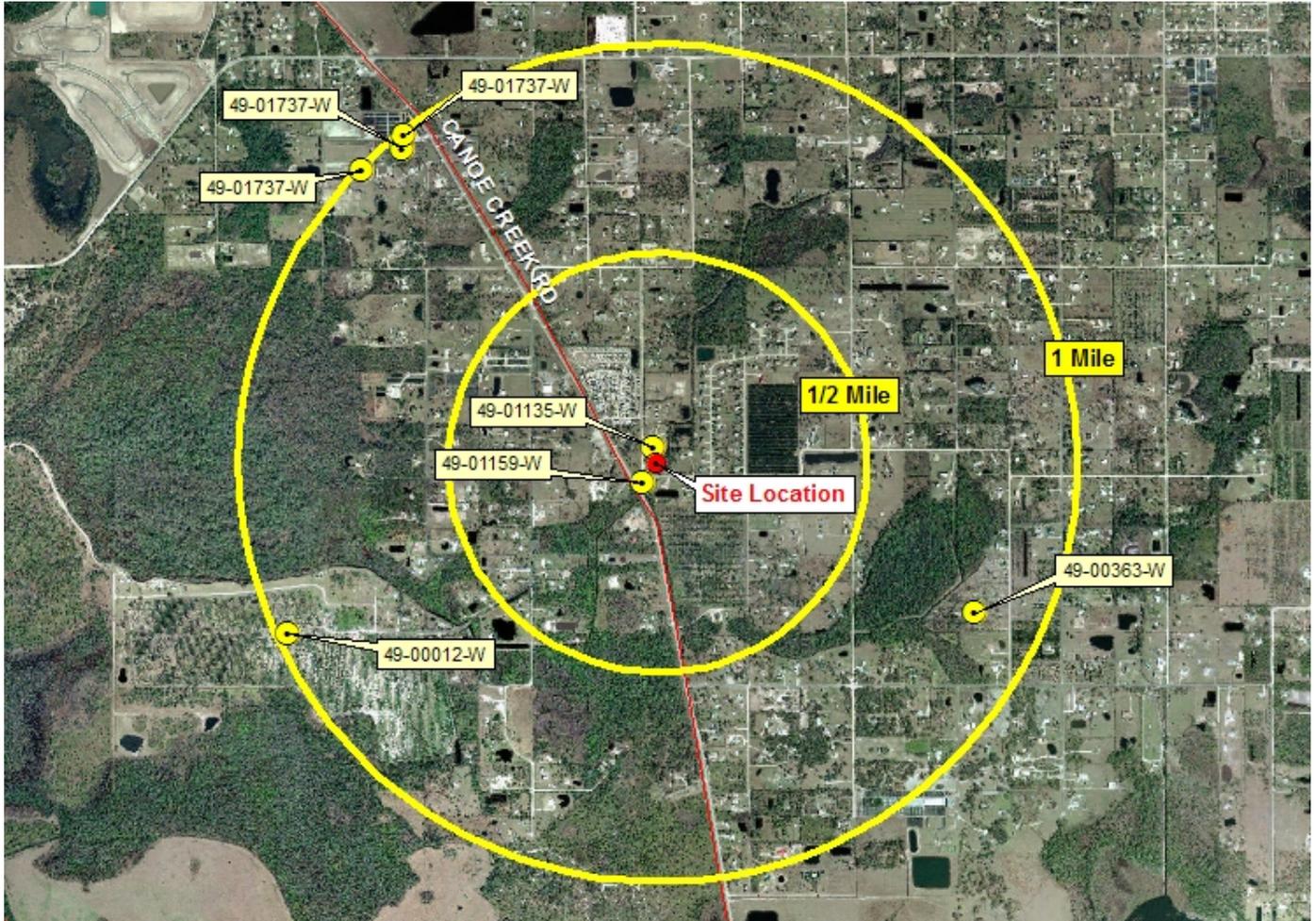
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District GIS data is projected in Stateplane feet, Florida East Zone, NAD83.

APPENDIX F2
SAINT CLOUD ANNEX

Water Well Survey conducted by the SFWMD within 1- mile of the St. Cloud Annex (with aerial):



South Florida Water Management District - Water Well Survey
 St. Cloud Annex
 St. Cloud, Osceola County, Florida

PERMIT_NO	APP_NO	PERMIT_TYP	PROJECT_NA	LU_CODE	ACRES_SERV	FACIL_ID	FACIL_TYPE	FACIL_NAME	PUMP_TYPE	DIAMETER	PUMP_DEPTH	PUMP_CAPAC	X_COORD	Y_COORD	WELL_DEPTH	CASE_DEPTH	USE_STATUS	FAC_STATUS	WATER_USE	SOURCE	REVIEWER	SEC_NO	TWP	RGE	CNTY_CODE	FEE_CATEGO
49-00012-W	930515-251	WU	CIRCLE Y GROVE	AGR	90	10588	WELL	1	CEN	0	0	600	564103	1391296	300	0	PRM	E	IRR	Floridan Aquifer System	Walter P. Ward, P.G.	2,11	27	30	49	IND
49-00363-W	930515-330	WU	BASS CITRUS GROVE	AGR	20	26140	WELL	1	CEN	0	0	350	572764	1391557	22	22	PRM	E	IRR	Water Table Aquifer	Walter P. Ward, P.G.	1	27	30	49	IND
49-01135-W	010816-7	WU	KISSIMMEE FIELD STATION	LAN	1	111200	WELL	A-15	JET	0	0	40	568703	1393651	100	0	PRM	E	PWS	Surficial Aquifer System	Christina Shaw	1,18	27	30	49	GP
49-01159-W	020107-1	WU	GLENDATHOMAS HALL WELL	IND	12	116321	WELL	Well No. 2	SUB	0	0	32	568578	1393208	230	200	PRM	P	IND	Floridan Aquifer System	George M. Ogden, Jr. P.G.	1	27	30	49	GP
49-01737-W	061030-12	WU	C E OUTDOOR SERVICES NURSERY	NUR	25	195380	WELL	Well No. 2	CEN	0	0	75	565548	1397402	30	20	PRM	E	IRR	Surficial Aquifer System	Louis Bustamante, P.G.	35	26	30	49	GP MIN
49-01737-W	061030-12	WU	C E OUTDOOR SERVICES NURSERY	NUR	25	195379	WELL	Well No. 1	SUB	0	84	90	565556	1397581	400	230	PRM	E	IRR	Floridan Aquifer System	Louis Bustamante, P.G.	35	26	30	49	GP MIN
49-01737-W	061030-12	WU	C E OUTDOOR SERVICES NURSERY	NUR	25	195383	WELL	Well No. 5	SUB	0	84	90	565027	1397125	400	230	PRM	P	IRR	Floridan Aquifer System	Louis Bustamante, P.G.	35	26	30	49	GP MIN

Key to “Use Status” Codes:

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RCH	Recharge
SEC	Secondary
STD	Standby
ABN	Abandoned
ASR	Aquifer Storage & Recovery
INJ	Injection
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OTH	Other
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OTR	Other
AC	Air Conditioning/Withdrawal
PHR	Swimming Pool Heating/Injection
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If you have any further questions, please contact me.

Janet Donnelly
Staff Geographer
South Florida Water Management District
3301 Gun Club Road
West Palm Beach, FL 33416

Phone: (561) 682-6877
Email: <jdonnel@sfwmd.gov>

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District GIS data is projected in Stateplane feet, Florida East Zone, NAD83.

APPENDIX G

**ENVIRONMENTAL DATA RESOURCES, INC. REPORT
(COPIED TO COMPACT DISC)**

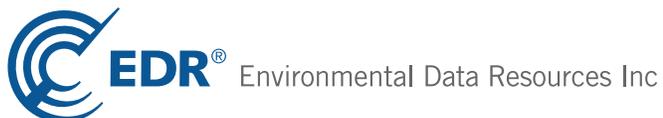
APPENDIX G1
KISSIMMEE FIELD STATION

Kissimmee Field Station

80 S. Hoagland Blvd.
Kissimmee, FL 34741

Inquiry Number: 2276756.2s
July 24, 2008

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

80 S. HOAGLAND BLVD.
KISSIMMEE, FL 34741

COORDINATES

Latitude (North): 28.291050 - 28° 17' 27.8"
Longitude (West): 81.447960 - 81° 26' 52.7"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 456073.2
UTM Y (Meters): 3129352.5
Elevation: 74 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 28081-C4 KISSIMMEE, FL
Most Recent Revision: 1987

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL LIENS..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
LIENS 2..... CERCLA Lien Information
RCRA-TSDF..... RCRA - Transporters, Storage and Disposal
RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

EXECUTIVE SUMMARY

US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	Florida's State-Funded Action Sites
SWF/LF	Solid Waste Facility Database
SPILLS	Oil and Hazardous Materials Incidents
ENG CONTROLS	Institutional Controls Registry
INST CONTROL	Institutional Controls Registry
VCP	Voluntary Cleanup Sites
DRYCLEANERS	Drycleaning Facilities
PRIORITYCLEANERS	Priority Ranking List
BROWNFIELDS	Brownfield Areas
NPDES	Wastewater Facility Regulation Database
AIRS	Permitted Facilities Listing
FL Cattle Dip. Vats	Cattle Dipping Vats
TIER 2	Tier 2 Facility Listing

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land
INDIAN VCP	Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants
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EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/26/2008 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CENTRAL FLORIDA AIRCRAFT REFIN</i>	<i>3807 4TH ST</i>	<i>1/4 - 1/2ESE</i>	<i>9</i>	<i>23</i>

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/06/2008 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>FLORIDA AIR CENTER</i>	<i>4010 4TH ST</i>	<i>1/8 - 1/4SE</i>	<i>5</i>	<i>18</i>
<i>HI LIFT HELICOPTER</i>	<i>51 N AIRPORT RD</i>	<i>1/8 - 1/4SSE</i>	<i>6</i>	<i>20</i>

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 03/06/2008 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>HIGHLIFT</i>	<i>51 N HOAGLAND BLVD</i>	<i>0 - 1/8 NW</i>	<i>3</i>	<i>13</i>

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Protection's PCTO1--Petroleum Contamination Detail Report.

A review of the LUST list, as provided by EDR, and dated 05/01/2008 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SOUTH FL WATER MGMT DIST-KISSI	80 S AIRPORT RD	0 - 1/8 NNE 1		6
JR DAVIS CONSTRUCTION CO	180 S HOAGLAND BLVD	0 - 1/8 SE 4		14

UST: The Underground Storage Tank database contains registered USTs. Shortly after the September 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the UST list, as provided by EDR, and dated 05/01/2008 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SOUTH FL WATER MGMT DIST-KISSI	80 S AIRPORT RD	0 - 1/8 NNE 1		6
CLASSIC BRITISH AIRCRAFT SHARE	231 N HOAGLAND BLVD	1/8 - 1/4NNW 8		22

AST: Shortly after the Sept 11 event, the DEP was instructed to remove the detail about some of the storage tank facilities in the state from their reports. Federal-owned facilities and bulk storage facilities are included in that set.

A review of the AST list, as provided by EDR, and dated 05/01/2008 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KISSIMMEE SPRING WATER CO	15 S HOAGLAND BLVD	0 - 1/8 ENE 2		11
JR DAVIS CONSTRUCTION CO	180 S HOAGLAND BLVD	0 - 1/8 SE 4		14

FI Sites: This summary status report is a compilation and revision of other existing lists. It was developed from a number of lists including the Eckhardt list, the Moffit list, the EPA Hazardous Waste Sites list, EPA's Emergency and Remedial Response Information System list (RCRA Section 3012), and existing department lists such as the Obsolete Uncontrolled Hazardous Waste Sites list. The purpose of this list is to track the progress of activities within and outside the department as they relate to the listed sites. It is not a list of uncontrolled sites or sources causing environmental contamination. The Sites List comes from the Department of Environmental Protection.

A review of the FI Sites list, as provided by EDR, and dated 12/31/1989 has revealed that there is 1 FI Sites site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
OSCEOLA COUNTY LF-KISSIMMEE AK	BASS ROAD	1/2 - 1 SW	10	35

EXECUTIVE SUMMARY

DEDB: Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

A review of the DEDB list, as provided by EDR, and dated 02/12/2008 has revealed that there is 1 DEDB site within approximately 0.5 miles of the target property.

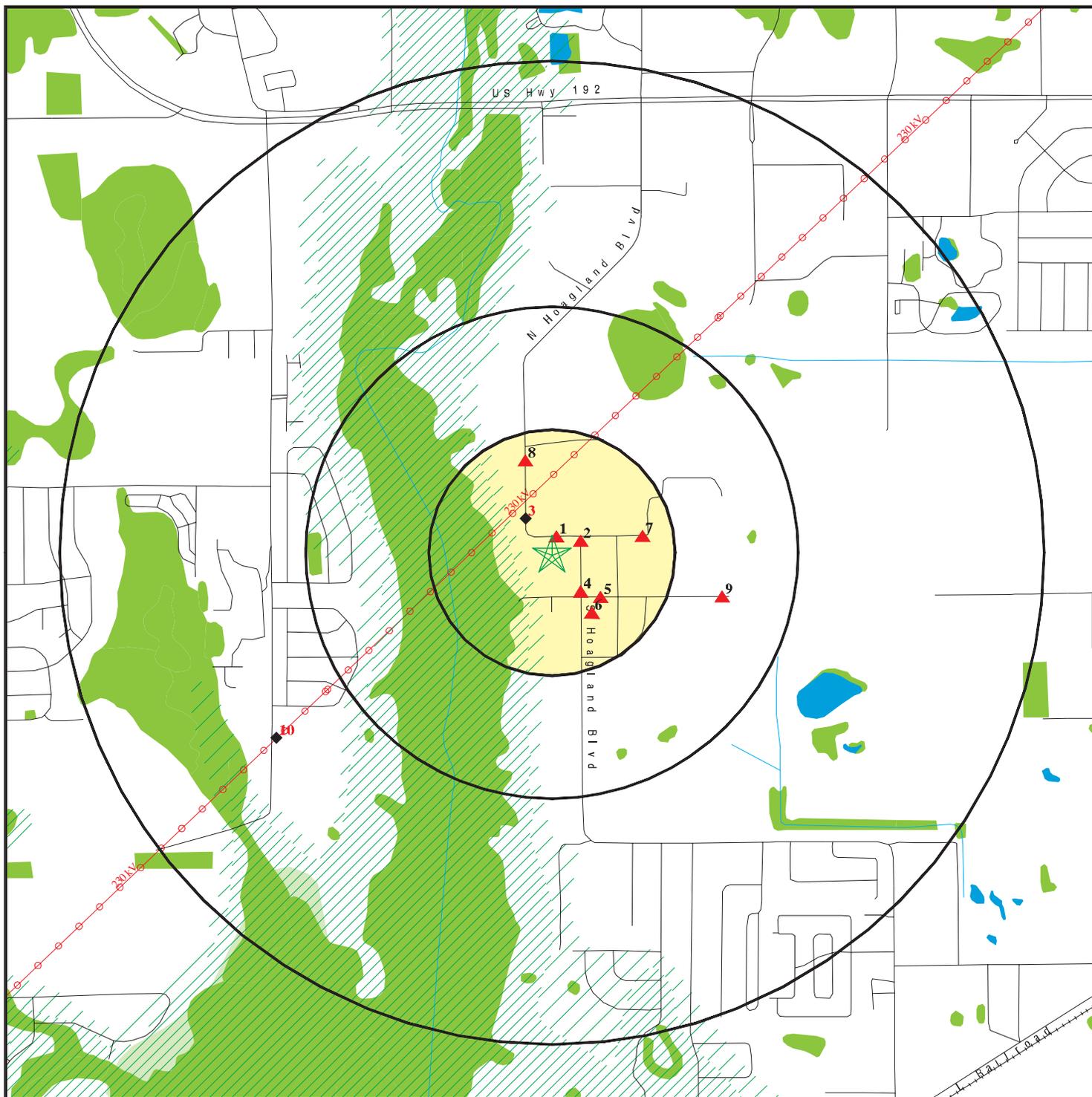
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	15 S. AIRPORT ROAD	1/8 - 1/4E	7	21

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
EAST OSCEOLA PARKWAY	LUST, SPILLS
WILLIAMS PIT	SWF/LF
VICKIE COURT OPEN DUMP	SWF/LF
CITGO MAINGATE	LUST
CENTRAL FL PIPELINE-RELEASE	UST
OSCEOLA CNTY	UST
KISSIMMEE CITY-WWTP	AST
KISSIMMEE CITY-LS 111	AST
KISSIMMEE GO KARTS INC	AST
LIFT STATION 18	AST
KISSIMMEE US ARMY RESERVE	FINDS, RCRA-CESQG
KISSIMMEE MIDDLE SCHOOL	RCRA-CESQG
TRAVELODGE HOTEL	RCRA-CESQG
CITY OF KISSIMMEE	FINDS
WATSON @ KISSIMMEE	FINDS
KISSIMMEE H.O.M.E. PROJECT	FINDS
SHELL STATION/W IRLO BRONSON H	FINDS
AMSOUTH BANK - SOUTH KISSIMMEE	FINDS
GATEWAY STATION AT GATEWAY COM	FINDS
GATEWAY STATION AT GATEWAY COM	FINDS
KISSIMMEE FIRE STATION # 4	FINDS
FLORIDA EYE CLINIC - KISSIMMEE	FINDS
RT. 1, BOX 204	DEDB
S.R. 15 (NEAR NORCOOSEE)	DEDB
RT. 2, BOX 74D	DEDB
HWY. 532	DEDB
CITY OF KISSIMMEE	NPDES
WATSON @ KISSIMMEE	NPDES
KISSIMMEE H.O.M.E. PROJECT	NPDES
KISSIMMEE MOTROSPORTS	NPDES
AMSOUTH BANK - SOUTH KISSIMMEE	NPDES
GATEWAY STATION AT GATEWAY COMMONS	NPDES
KISSIMMEE FIRE STATION #4	NPDES
FLORIDA EYE CLINIC - KISSIMMEE	NPDES
KISSIMMEE/SOUTH BERMUDA WRF	ICIS

OVERVIEW MAP - 2276756.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

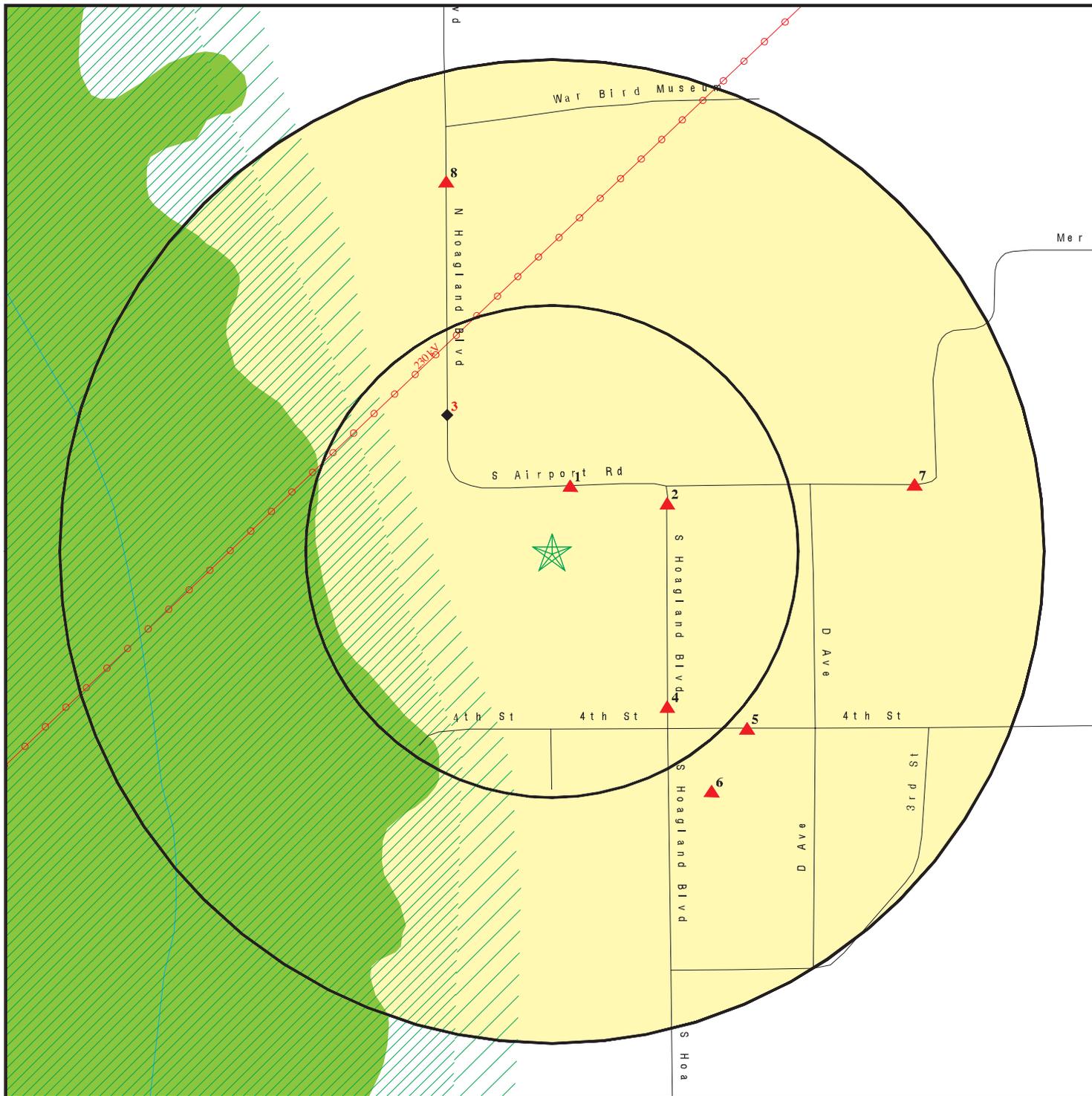
- 0 1/4 1/2 1 Miles
- Indian Reservations BIA
- FL Brownfield
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Kissimmee Field Station
 ADDRESS: 80 S. Hoagland Blvd.
 Kissimmee FL 34741
 LAT/LONG: 28.2910 / 81.4480

CLIENT: URS Corporation
 CONTACT: Jamie Sullivan
 INQUIRY #: 2276756.2s
 DATE: July 24, 2008 12:56 pm

DETAIL MAP - 2276756.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- ⚡ Power transmission lines
- 🛢️ Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory
- 🌿 State Wetlands
- 🏠 FL Brownfield

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Kissimmee Field Station
 ADDRESS: 80 S. Hoagland Blvd.
 Kissimmee FL 34741
 LAT/LONG: 28.2910 / 81.4480

CLIENT: URS Corporation
 CONTACT: Jamie Sullivan
 INQUIRY #: 2276756.2s
 DATE: July 24, 2008 12:56 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	1	0	NR	1
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	2	NR	NR	NR	2
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen		0.250	1	0	NR	NR	NR	1
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
SHWS		1.000	0	0	0	0	NR	0
SWF/LF		0.500	0	0	0	NR	NR	0
LUST		0.500	2	0	0	NR	NR	2
UST		0.250	1	1	NR	NR	NR	2
AST		0.250	2	0	NR	NR	NR	2

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FI Sites		1.000	0	0	0	1	NR	1
SPILLS	TP		NR	NR	NR	NR	NR	0
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
PRIORITYCLEANERS		0.500	0	0	0	NR	NR	0
DEDB		0.500	0	1	0	NR	NR	1
BROWNFIELDS		0.500	0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
FL Cattle Dip. Vats		0.500	0	0	0	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1
NNE
< 1/8
0.035 mi.
183 ft.

SOUTH FL WATER MGMT DIST-KISSIMMEE
80 S AIRPORT RD
KISSIMMEE, FL 34741

LUST **U001365661**
UST **N/A**

Relative:
Equal

LUST:

Actual:
74 ft.

Region: STATE
Facility Id: 8520968
2nd Facility Addr: Not reported
District: Central District
Facility Status: OPEN
Facility Type: G - State Government -
Operator: SUSAN DAVIDE EXT3907
Facility Phone: (407) 846-5226
Name Update: 09-20-2000
Address Update: Not reported
Lat/Long (dms): 28 17 27.1294 / 81 26 50.9288000
Feature: Not reported
Method: AGPS
Datum: 0
Section: 019
Township: 25S
Range: 29E
Score: Not reported
Score Effective Date: Not reported
Score When Ranked: Not reported
Facility Cleanup Rank: Not reported

Discharge Cleanup Summary:

Discharge Date: 10-04-1989
Pct Discharge Combined With: Not reported
Cleanup Required: Z - OTHER
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 08-01-1995
Cleanup Work Status: COMPLETED
Information Source: Z - OTHER
Other Source Description: PCAR
Eligibility Indicator: I
Site Manager: Not reported
Site Mgr End Date: Not reported
Tank Office: -

Petroleum Cleanup Program Eligibility:

Facility ID: Not reported
Discharge Date: Not reported
Pct Discharge Combined With: Not reported
Cleanup Required: Not reported
Discharge Cleanup Status: Not reported
Disch Cleanup Status Date: Not reported
Cleanup Work Status: Not reported
Information Source: Not reported
Other Source Description: Not reported
Application Received Date: Not reported
Cleanup Program: Not reported
Eligibility Status: Not reported
Elig Status Date: Not reported
Letter Of Intent Date: Not reported
Redetermined: Not reported
Inspection Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH FL WATER MGMT DIST-KISSIMMEE (Continued)

U001365661

Site Manager: Not reported
Site Mgr End Date: Not reported
Tank Office: Not reported
Deductible Amount: Not reported
Deductible Paid To Date: Not reported
Co-Pay Amount: Not reported
Co-Pay Paid To Date: Not reported
Cap Amount: Not reported

Contaminated Media:
Discharge Date: 10-04-1989
Pct Discharge Combined With: Not reported
Cleanup Required: Z - OTHER
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 08-01-1995
Cleanup Work Status: COMPLETED
Information Source: Z - OTHER
Other Source Description: PCAR
Elig Indicator: I - INELIGIBLE
Site Manager: Not reported
Site Mgr End Date: Not reported
Tank Office: -
Contaminated Drinking Wells: 0
Contaminated Monitoring Well: Yes
Contaminated Soil: Yes
Contaminated Surface Water: No
Contaminated Ground Water: Yes
Pollutant: B - UNLEADED GAS
Pollutant Other Description: Not reported
Gallons Discharged: Not reported

Task Information:
District: CD
Facility ID: 8520968
Facility Status: OPEN
Facility Type: G - State Government - State Government
Discharge Date: 10-04-1989
Pct Discharge Combined With: Not reported
Cleanup Required: Z - OTHER
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 08-01-1995
Cleanup Work Status: COMPLETED
Eligibility Indicator: I
Site Manager: Not reported
Site Mgr End Date: Not reported
Tank Office: -
SR Task ID: 22184
SR Cleanup Responsible: RP - RESPONSIBLE PARTY
SR Funding Elig Type: -
SR Actual Cost: Not reported
SR Actual Completion Date: 10-09-1989
SR Payment Date: Not reported
SR Oral Date: Not reported
SR Written Date: 10-09-1989
Soil Removal: Yes
Free Product Removal: Not reported
Soil Tonnage Removed: 225
Soil Treatment: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH FL WATER MGMT DIST-KISSIMMEE (Continued)

U001365661

Other Treatment: Not reported
SR Alt Procedure Recieved: Not reported
SR Alt Procedure Status: Not reported
SR Alt Procedure Status Date: Not reported
SR Alt Procedure Comments: Not reported
SA ID: 22185
SA Cleanup Responsible: RP - RESPONSIBLE PARTY
SA Funding Elig Type: -
SA Actual Cost: Not reported
SA Actual Completion Date: 08-01-1995
SA Payment Date: Not reported
RAP Task ID: 22186
RAP Cleanup Responsible ID: RP - RESPONSIBLE PARTY
RAP Funding Elig Type: -
RAP Actual Cost: Not reported
RAP Actual Completion Date: Not reported
RAP Payment Date: Not reported
RAP Last Order Approved: Not reported
RA Task ID: 22187
RA Cleanup Responsible: RP - RESPONSIBLE PARTY
RA Funding Elig Type: -
Ra Years to Complete: Not reported
RA Actual Cost: Not reported
SRC Action Type: NFA - NO FURTHER ACTION
SRC Submit Date: 06-19-1995
SRC Review Date: 08-01-1995
SRC Completion Status: A - APPROVED
SRC Completion Status Date: 08-01-1995
SRC Issue Date: 08-01-1995
SRC Comment: D METRIN

UST:

Facility ID: 8520968
Facility Phone: (407) 846-5226
Facility Status: OPEN
Facility Type: State Government
Type Description: State Government
DEP Contrctr Own: No
Lat/Long (dms): 28 20 87 / 81 18 49
Positioning Method: AGPS

Owner:

Owner Id: 20374
Owner Name: SOUTH FL WATER MGMT DISTRICT
Owner Address: 3301 GUN CLUB RD-DEPT #5822
Owner Address 2: ATTN: JEFFREY SMITH
Owner City,St,Zip: WEST PALM BEACH, FL 33406
Owner Contact: JEFFREY A SMITH
Owner Phone: (561) 682-2516

Tank Id: 1
Tank Location: UNDERGROUND
Substance: Leaded gas
Content Description: Leaded Gas
Vessel Indicator: TANK
Gallons: 3000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH FL WATER MGMT DIST-KISSIMMEE (Continued)

U001365661

Install Date: 01-JUL-1970
Status: Removed
Status Date: 30-SEP-1989

Construction:
Construction Category: Not reported
Construction Description: Not reported

Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

Tank Id: 1R1
Tank Location: UNDERGROUND
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Vessel Indicator: TANK
Gallons: 4000
Install Date: 01-OCT-1989
Status: In service
Status Date: Not reported

Construction:
Construction Category: Not reported
Construction Description: Not reported

Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

Tank Id: 2
Tank Location: UNDERGROUND
Substance: Unleaded gas
Content Description: Unleaded Gas
Vessel Indicator: TANK
Gallons: 3000
Install Date: 01-JUL-1970
Status: Removed
Status Date: 30-SEP-1989

Construction:
Construction Category: Not reported
Construction Description: Not reported

Monitoring:
Monitoring Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH FL WATER MGMT DIST-KISSIMMEE (Continued)

U001365661

Piping:

Piping Category: Not reported
Piping Description: Not reported

Tank Id: 2R1
Tank Location: UNDERGROUND
Substance: Unleaded gas
Content Description: Unleaded Gas
Vessel Indicator: TANK
Gallons: 4000
Install Date: 01-OCT-1989
Status: In service
Status Date: Not reported

Construction:

Construction Category: Not reported
Construction Description: Not reported

Monitoring:

Monitoring Description: Not reported

Piping:

Piping Category: Not reported
Piping Description: Not reported

Tank Id: 3
Tank Location: UNDERGROUND
Substance: Leaded gas
Content Description: Leaded Gas
Vessel Indicator: TANK
Gallons: 1500
Install Date: 01-JUL-1966
Status: Removed
Status Date: 31-OCT-1989

Construction:

Construction Category: Not reported
Construction Description: Not reported

Monitoring:

Monitoring Description: Not reported

Piping:

Piping Category: Not reported
Piping Description: Not reported

Tank Id: 4
Tank Location: UNDERGROUND
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Vessel Indicator: TANK
Gallons: 2000
Install Date: 01-JUL-1978

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SOUTH FL WATER MGMT DIST-KISSIMMEE (Continued)

U001365661

Status: Removed
Status Date: 31-OCT-1989

Construction:
Construction Category: Not reported
Construction Description: Not reported

Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

Tank Id: 5
Tank Location: UNDERGROUND
Substance: Leaded gas
Content Description: Leaded Gas
Vessel Indicator: TANK
Gallons: 200
Install Date: 01-JAN-1966
Status: Removed
Status Date: 30-NOV-1989

Construction:
Construction Category: Not reported
Construction Description: Not reported

Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

2
ENE
< 1/8
0.063 mi.
334 ft.

KISSIMMEE SPRING WATER CO
15 S HOAGLAND BLVD
KISSIMMEE, FL 34741

AST A100011318
N/A

Relative:
Higher

AST:
Facility ID: 8839801
Facility Phone: (305) 847-2617
Facility Status: CLOSED
Facility Type: Fuel User / Non-retail
Type Description: Fuel user/Non-retail
DEP Contrctr Own: No
Lat/Long (dms): Not reported
Positioning Method: Not reported

Actual:
75 ft.

Owner:
Owner Id: 12089
Owner Name: KISSIMMEE SPRING WATER CO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KISSIMMEE SPRING WATER CO (Continued)

A100011318

Owner Address: PO BOX 2888
Owner Address 2: Not reported
Owner City,St,Zip: KISSIMMEE, FL 32742
Owner Contact: NEIL OEHLSTROM
Owner Phone: (305) 847-2617

Tank Id: 3
Gallons: 55
Tank Location: ABOVEGROUND
Substance: Z
Content Description: Other Non Regulated
Install Date: Not reported
Status: Removed
Status Date: Removed

Construction:
Construction Category: Not reported
Construction Description: Not reported

Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

Tank Id: 2
Gallons: 110
Tank Location: ABOVEGROUND
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Install Date: Not reported
Status: Removed
Status Date: Removed

Construction:
Construction Category: Not reported
Construction Description: Not reported

Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

Tank Id: 1
Gallons: 110
Tank Location: ABOVEGROUND
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Install Date: Not reported
Status: Removed
Status Date: Removed

Construction:
Construction Category: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KISSIMMEE SPRING WATER CO (Continued)

A100011318

Construction Description: Not reported

Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

**3
NW
< 1/8
0.087 mi.
462 ft.**

**HIGHLIFT
51 N HOAGLAND BLVD
KISSIMMEE, FL 34741**

**FINDS 1004685811
RCRA-NonGen FLR000065946**

**Relative:
Lower**

FINDS:
Other Pertinent Environmental Activity Identified at Site

**Actual:
71 ft.**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-NonGen:

Date form received by agency: 05/04/2000
Facility name: HIGHLIFT
Facility address: 51 N HOAGLAND BLVD
KISSIMMEE, FL 347414568
EPA ID: FLR000065946
Contact: BARNEY STUTESMAN
Contact address: 51 N HOAGLAND BLVD
KISSIMMEE, FL 347414568
Contact country: US
Contact telephone: 4078466780
Contact email: Not reported
EPA Region: 04
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: STUTEMAN
Owner/operator address: 51 N HOAGLAND BLVD
KISSIMMEE, FL 34741
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/22/2000
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HIGHLIFT (Continued)

1004685811

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/04/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

4
SE
< 1/8
0.098 mi.
518 ft.

JR DAVIS CONSTRUCTION CO
180 S HOAGLAND BLVD
KISSIMMEE, FL 34741

LUST S105966196
AST N/A

Relative:
Higher

LUST:

Actual:
77 ft.

Region: STATE
Facility Id: 9700450
2nd Facility Addr: Not reported
District: Central District
Facility Status: OPEN
Facility Type: C - Fuel user/Non-retail -
Operator: TOM MASTERA
Facility Phone: (407) 932-1171
Name Update: 06-12-2002
Address Update: Not reported
Lat/Long (dms): 28 17 23.4996000 / 81 26 51.2633999
Feature: Not reported
Method: AGPS
Datum: Not reported
Section: Not reported
Township: Not reported
Range: Not reported
Score: 5
Score Effective Date: 08-04-2003
Score When Ranked: Not reported
Facility Cleanup Rank: Not reported

Discharge Cleanup Summary:

Discharge Date: 01-03-2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JR DAVIS CONSTRUCTION CO (Continued)

S105966196

Pct Discharge Combined With: Not reported
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 08-04-2003
Cleanup Work Status: COMPLETED
Information Source: D - DISCHARGE NOTIFICATION
Other Source Description: VISUAL
Eligibility Indicator: I
Site Manager: WHITE_CL
Site Mgr End Date: 09-22-2003
Tank Office: PCLP48 - Orange County

Petroleum Cleanup Program Eligibility:

Facility ID: Not reported
Discharge Date: Not reported
Pct Discharge Combined With: Not reported
Cleanup Required: Not reported
Discharge Cleanup Status: Not reported
Disch Cleanup Status Date: Not reported
Cleanup Work Status: Not reported
Information Source: Not reported
Other Source Description: Not reported
Application Received Date: Not reported
Cleanup Program: Not reported
Eligibility Status: Not reported
Elig Status Date: Not reported
Letter Of Intent Date: Not reported
Redetermined: Not reported
Inspection Date: Not reported
Site Manager: Not reported
Site Mgr End Date: Not reported
Tank Office: Not reported
Deductible Amount: Not reported
Deductible Paid To Date: Not reported
Co-Pay Amount: Not reported
Co-Pay Paid To Date: Not reported
Cap Amount: Not reported

Contaminated Media:

Discharge Date: 01-03-2003
Pct Discharge Combined With: Not reported
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 08-04-2003
Cleanup Work Status: COMPLETED
Information Source: D - DISCHARGE NOTIFICATION
Other Source Description: VISUAL
Elig Indicator: I - INELIGIBLE
Site Manager: WHITE_CL
Site Mgr End Date: 09-22-2003
Tank Office: PCLP48 - Orange County
Contaminated Drinking Wells: 0
Contaminated Monitoring Well: No
Contaminated Soil: Yes
Contaminated Surface Water: No
Contaminated Ground Water: No
Pollutant: D - VEHICULAR DIESEL
Pollutant Other Description: SECONDARY CONTAINMENT LEAKED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JR DAVIS CONSTRUCTION CO (Continued)

S105966196

Gallons Discharged: 10

Task Information:

District: CD
Facility ID: 9700450
Facility Status: OPEN
Facility Type: C - Fuel user/Non-retail - Fuel user/Non-retail
Discharge Date: 01-03-2003
Pct Discharge Combined With: Not reported
Cleanup Required: R - CLEANUP REQUIRED
Discharge Cleanup Status: NFA - NFA COMPLETE
Disch Cleanup Status Date: 08-04-2003
Cleanup Work Status: COMPLETED
Eligibility Indicator: I
Site Manager: WHITE_CL
Site Mgr End Date: 09-22-2003
Tank Office: PCLP48 - Orange County
SR Task ID: 74809
SR Cleanup Responsible: -
SR Funding Elig Type: -
SR Actual Cost: Not reported
SR Actual Completion Date: 01-31-2003
SR Payment Date: Not reported
SR Oral Date: Not reported
SR Written Date: Not reported
Soil Removal: Yes
Free Product Removal: Not reported
Soil Tonnage Removed: 47
Soil Treatment: Not reported
Other Treatment: Not reported
SR Alt Procedure Recieved: Not reported
SR Alt Procedure Status: Not reported
SR Alt Procedure Status Date: Not reported
SR Alt Procedure Comments: Not reported
SA ID: 70601
SA Cleanup Responsible: -
SA Funding Elig Type: -
SA Actual Cost: Not reported
SA Actual Completion Date: Not reported
SA Payment Date: Not reported
RAP Task ID: Not reported
RAP Cleanup Responsible ID: -
RAP Funding Elig Type: -
RAP Actual Cost: Not reported
RAP Actual Completion Date: Not reported
RAP Payment Date: Not reported
RAP Last Order Approved: Not reported
RA Task ID: 70686
RA Cleanup Responsible: -
RA Funding Elig Type: -
Ra Years to Complete: 0
RA Actual Cost: Not reported
SRC Action Type: NFA - NO FURTHER ACTION
SRC Submit Date: 07-31-2003
SRC Review Date: 08-04-2003
SRC Completion Status: A - APPROVED
SRC Completion Status Date: 08-04-2003
SRC Issue Date: 09-16-2003

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JR DAVIS CONSTRUCTION CO (Continued)

S105966196

SRC Comment: Not reported

AST:

Facility ID: 9700450
Facility Phone: (407) 932-1171
Facility Status: OPEN
Facility Type: Fuel User / Non-retail
Type Description: Fuel user/Non-retail
DEP Contrctr Own: No
Lat/Long (dms): 28 17 41 / 81 26 89
Positioning Method: AGPS

Owner:

Owner Id: 53152
Owner Name: JR DAVIS CONSTRUCTION CO
Owner Address: 210 S HOAGLAND BLVD
Owner Address 2: Not reported
Owner City,St,Zip: KISSIMMEE, FL 34741
Owner Contact: TERRI JOHNSON
Owner Phone: (407) 870-0061

Tank Id: 3
Gallons: 1000
Tank Location: ABOVEGROUND
Substance: Waste oil
Content Description: Waste Oil
Install Date: 01-FEB-2004
Status: In service
Status Date: In service

Construction:

Construction Category: Primary Construction
Construction Description: Steel

Construction Category: Secondary Containment
Construction Description: AST containment

Monitoring:

Monitoring Description: Visual inspection of ASTs

Piping:

Piping Category: Miscellaneous Attributes
Piping Description: Abv, no soil contact

Tank Id: 2
Gallons: 10000
Tank Location: ABOVEGROUND
Substance: Unleaded gas
Content Description: Unleaded Gas
Install Date: 01-JUN-1997
Status: In service
Status Date: In service

Construction:

Construction Category: Primary Construction
Construction Description: Steel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JR DAVIS CONSTRUCTION CO (Continued)

S105966196

Construction Category: Secondary Containment
Construction Description: DEP approved containment

Construction Category: Overfill/Spill
Construction Description: Level gauges/alarms

Construction Category: Miscellaneous Attributes
Construction Description: Compartmented

Monitoring:
Monitoring Description: DEP approved monitoring

Piping:
Piping Category: Miscellaneous Attributes
Piping Description: Abv, no soil contact

Tank Id: 1
Gallons: 10000
Tank Location: ABOVEGROUND
Substance: Vehicular diesel
Content Description: Vehicular Diesel
Install Date: 01-MAR-1997
Status: In service
Status Date: In service

Construction:
Construction Category: Primary Construction
Construction Description: Steel

Construction Category: Secondary Containment
Construction Description: DEP approved containment

Construction Category: Overfill/Spill
Construction Description: Level gauges/alarms

Monitoring:
Monitoring Description: DEP approved monitoring

Piping:
Piping Category: Miscellaneous Attributes
Piping Description: Abv, no soil contact

5
SE
1/8-1/4
0.134 mi.
706 ft.

FLORIDA AIR CENTER
4010 4TH ST
KISSIMMEE, FL 34741

RCRA-SQG 1000361309
FINDS FLD982084618

Relative:
Higher

RCRA-SQG:
Date form received by agency: 05/11/1990
Facility name: FLORIDA AIR CENTER
Facility address: 4010 4TH ST
KISSIMMEE, FL 347414508
EPA ID: FLD982084618
Contact: NON NOTIFIER

Actual:
79 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FLORIDA AIR CENTER (Continued)

1000361309

Contact address: 4010 4TH ST
KISSIMMEE, FL 347414508
Contact country: US
Contact telephone: 9999999999
Contact email: Not reported
EPA Region: 04
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NON NOTIFIER
Owner/operator address: 4010 4TH ST
KISSIMMEE, FL 34741
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/18/1996
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

6
SSE
1/8-1/4
0.146 mi.
772 ft.

HI LIFT HELICOPTER
51 N AIRPORT RD
KISSIMMEE, FL 34741

RCRA-SQG 1001195569
FINDS FLR000018531

Relative:
Higher

RCRA-SQG:

Actual:
78 ft.

Date form received by agency: 06/18/1996
Facility name: HI LIFT HELICOPTER
Facility address: 51 N AIRPORT RD
KISSIMMEE, FL 34741
EPA ID: FLR000018531
Contact: NON NOTIFIED
Contact address: 51 N AIRPORT RD
KISSIMMEE, FL 32741 0
Contact country: US
Contact telephone: 9999999999
Contact email: Not reported
EPA Region: 04
Land type: Private
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: NON NOTIFIED
Owner/operator address: 51 N AIRPORT RD
KISSIMMEE, FL 32741
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/25/2000
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 05/06/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HI LIFT HELICOPTER (Continued)

1001195569

Facility name: HI LIFT HELICOPTER
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/06/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

7
East
1/8-1/4
0.187 mi.
988 ft.

15 S. AIRPORT ROAD
KISSIMMEE, FL

DEDB S108800485
N/A

Relative:
Higher

DEDB:

Well Id: 490000801
Location Method: MMAP
Florida Id: Not reported
Latitude: 28.28079
Longitude: 81.43611
Well Depth: 0
Case depth: 0
Diameter: 0
Well Type: 42
Facility Address 2: Not reported
Facility Zip Ext: Not reported
Permit #: Not reported

Actual:
79 ft.

SAMPLE:

Sample Id: 304700
Sample Date: 09/19/83

Project Id: EDB
Sample Id: 304701
Sample Date: 09/19/83

Project Id: EDB

RESULTS:

Sample ID: 304700
Chemical Name: ETHYLENE DIBROMIDE (EDB)
Value: 0
Results Qualifier: Undetected
Units: ug/L

Sample ID: 304701
Chemical Name: ETHYLENE DIBROMIDE (EDB)
Value: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S108800485

Results Qualifier: Undetected
Units: ug/L

8
NNW
1/8-1/4
0.196 mi.
1032 ft.

CLASSIC BRITISH AIRCRAFT SHARES LTD
231 N HOAGLAND BLVD
KISSIMMEE, FL 34741

UST U001365716
N/A

Relative:
Higher

UST:

Actual:
75 ft.

Facility ID: 8627109
Facility Phone: (407) 846-4400
Facility Status: CLOSED
Facility Type: Fuel User / Non-retail
Type Description: Fuel user/Non-retail
DEP Contrctr Own: No
Lat/Long (dms): 28 17 39 / 81 26 47
Positioning Method: AGPS

Owner:

Owner Id: 58890
Owner Name: CLASSIC BRITISH AIRCRAFT SHARES LTD
Owner Address: 3959 MERLIN DR
Owner Address 2: Not reported
Owner City,St,Zip: KISSIMMEE, FL 34741
Owner Contact: JOHN LAUDERBACK
Owner Phone: (407) 846-4400

Tank Id: 1
Tank Location: UNDERGROUND
Substance: Aviation gas
Content Description: Aviation Gas
Vessel Indicator: TANK
Gallons: 15000
Install Date: 01-JUL-1984
Status: Removed
Status Date: Not reported

Construction:

Construction Category: Not reported
Construction Description: Not reported

Monitoring:

Monitoring Description: Not reported

Piping:

Piping Category: Not reported
Piping Description: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

9
ESE
1/4-1/2
0.357 mi.
1886 ft.

CENTRAL FLORIDA AIRCRAFT REFINISH
3807 4TH ST
KISSIMMEE, FL 34741

FINDS 1000418638
RAATS FLD107994063
CORRACTS
RCRA-NonGen

Relative:
Higher

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
79 ft.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

CORRACTS:

EPA ID: FLD107994063
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 06/18/1998
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 51221
Record Production
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-NonGen:

Date form received by agency: 08/03/2001
Facility name: CENTRAL FLORIDA AIRCRAFT REFINISH
Facility address: 3807 4TH ST
KISSIMMEE, FL 34741
EPA ID: FLD107994063
Mailing address: 301 DYER BLVD
KISSIMMEE, FL 347414675
Contact: TAMMI MADISON
Contact address: PO BOX 315
KISSIMMEE, FL 32742 0
Contact country: US
Contact telephone: 3058472402

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Contact email: Not reported
EPA Region: 04
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SHEA TIM
Owner/operator address: 301 N DYER BLVD #101
KISSIMMEE, FL 34741
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 07/05/2001
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 08/05/1996
Facility name: CENTRAL FLORIDA AIRCRAFT REFINISH
Classification: Not a generator, verified

Date form received by agency: 02/08/1995
Facility name: CENTRAL FLORIDA AIRCRAFT REFINISH
Classification: Not a generator, verified

Corrective Action Summary:

Event date: 11/02/1993
Event: RFA Initiation

Event date: 12/25/1995
Event: RFA Initiation

Event date: 05/02/1996
Event: CA103

Event date: 05/30/1996

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Event: CA103
Event date: 09/26/1996
Event: RFA Completed
Event date: 06/18/1998
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Facility Has Received Notices of Violations:

Regulation violated: GGR:40 CFR 262.11
Area of violation: Generators - General
Date violation determined: 06/16/1995
Date achieved compliance: 06/28/1995
Violation lead agency: State
Enforcement action: DEP WARNING LETTER
Enforcement action date: 06/16/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: DGS:40 CFR 264.14 :PREVIOUS CITATIO
Area of violation: TSD - Financial Requirements
Date violation determined: 11/18/1994
Date achieved compliance: 11/21/1994
Violation lead agency: State
Enforcement action: DEP WARNING LETTER
Enforcement action date: 12/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GPT:40 CFR 262.34(A)(2)(3)
Area of violation: Generators - Pre-transport
Date violation determined: 11/18/1994
Date achieved compliance: 11/21/1994
Violation lead agency: State
Enforcement action: DEP WARNING LETTER
Enforcement action date: 12/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GPT:40 CFR 265.54
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date violation determined: 11/18/1994
Date achieved compliance: 11/21/1994
Violation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Enforcement action: DEP WARNING LETTER
Enforcement action date: 12/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GPT:40 CFR 262.34(A)
Area of violation: Generators - Pre-transport
Date violation determined: 11/18/1994
Date achieved compliance: 11/21/1994
Violation lead agency: State
Enforcement action: DEP WARNING LETTER
Enforcement action date: 12/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: DTR:SUBPART J OF 40 CFR PART 264
Area of violation: State Statute or Regulation
Date violation determined: 11/18/1994
Date achieved compliance: 11/21/1994
Violation lead agency: State
Enforcement action: DEP WARNING LETTER
Enforcement action date: 12/19/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GGR:40 CFR 262.11
Area of violation: Generators - General
Date violation determined: 07/28/1994
Date achieved compliance: 09/21/1994
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: DLB:
Area of violation: LDR - General
Date violation determined: 03/29/1991
Date achieved compliance: 01/16/1992
Violation lead agency: State
Enforcement action: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: DLB:
Area of violation: LDR - General
Date violation determined: 03/03/1989
Date achieved compliance: 02/09/1990
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GLB:
Area of violation: LDR - General
Date violation determined: 03/03/1989
Date achieved compliance: 02/09/1990
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GGR:40 CFR 265.51
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date violation determined: 05/05/1988
Date achieved compliance: 06/05/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GGR:40 CFR 265.174
Area of violation: TSD IS-Container Use and Management
Date violation determined: 05/05/1988
Date achieved compliance: 06/05/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GOR:40 CFR 265.16
Area of violation: TSD IS-General Facility Standards
Date violation determined: 05/05/1988
Date achieved compliance: 06/05/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: DLB:40 CFR 265.31 :PREVIOUS CITATIO
Area of violation: TSD IS-Landfill Standards
Date violation determined: 05/05/1988
Date achieved compliance: 03/03/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GRR:40 CFR 262.34(A)(3)
Area of violation: Generators - Pre-transport
Date violation determined: 05/05/1988
Date achieved compliance: 06/05/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GGR:40 CFR 265.37 :PREVIOUS CITATIO
Area of violation: TSD IS-Thermal Treatment
Date violation determined: 05/05/1988
Date achieved compliance: 06/05/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GRR:40 CFR 262.34(A)(2)
Area of violation: Generators - Pre-transport
Date violation determined: 05/05/1988
Date achieved compliance: 06/05/1988
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: DOR:
Area of violation: TSD - General Facility Standards
Date violation determined: 03/31/1988
Date achieved compliance: 10/29/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: GLB:
Area of violation: LDR - General
Date violation determined: 03/31/1988
Date achieved compliance: 03/03/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/31/1988
Date achieved compliance: 06/23/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/05/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/31/1988
Date achieved compliance: 06/23/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 06/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/31/1988
Date achieved compliance: 06/23/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/29/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 112585
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/31/1988
Date achieved compliance: 06/23/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 06/23/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 16000
Paid penalty amount: 16000

Regulation violated: DOR:
Area of violation: TSD - General Facility Standards
Date violation determined: 03/31/1988
Date achieved compliance: 03/28/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: DLB:
Area of violation: LDR - General
Date violation determined: 03/31/1988
Date achieved compliance: 03/03/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/12/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/14/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/31/1996
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/16/1996
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/22/1996
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/25/1996
Evaluation: COMPLIANCE SCHEDULE EVALUATION

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/10/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/12/1995
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/1995
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/15/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/28/1995
Evaluation lead agency: State

Evaluation date: 03/22/1995
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/15/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/06/1994
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 11/21/1994
Evaluation lead agency: State

Evaluation date: 07/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/21/1994
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Evaluation date: 07/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/21/1994
Evaluation lead agency: State

Evaluation date: 07/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/21/1994
Evaluation lead agency: State

Evaluation date: 07/14/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date achieved compliance: 11/21/1994
Evaluation lead agency: State

Evaluation date: 11/02/1993
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/12/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/1991
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: LDR - General
Date achieved compliance: 01/16/1992
Evaluation lead agency: State

Evaluation date: 03/06/1991
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/09/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/03/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Date achieved compliance: 02/09/1990
Evaluation lead agency: State

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 06/05/1988
Evaluation lead agency: State

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 06/23/1993
Evaluation lead agency: EPA

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Thermal Treatment
Date achieved compliance: 06/05/1988
Evaluation lead agency: State

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/03/1989
Evaluation lead agency: State

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Contingency Plan and Emergency Procedures
Date achieved compliance: 06/05/1988
Evaluation lead agency: State

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-General Facility Standards
Date achieved compliance: 06/05/1988
Evaluation lead agency: State

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/29/1989
Evaluation lead agency: State

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Container Use and Management
Date achieved compliance: 06/05/1988
Evaluation lead agency: State

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/28/1989
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL FLORIDA AIRCRAFT REFINISH (Continued)

1000418638

Evaluation date: 03/31/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Landfill Standards
Date achieved compliance: 03/03/1989
Evaluation lead agency: State

**10
SW
1/2-1
0.675 mi.
3561 ft.**

**OSCEOLA COUNTY LF-KISSIMMEE AKA BASS ROA
BASS ROAD
KISSIMMEE, FL**

**FI Sites S100888613
N/A**

**Relative:
Lower**

FI Sites:

Monthly Update: November
Air Contam: Not reported
Soil Contam: Not reported
Surface Water Contam: Not reported
Ground Water Contam: Confirmed
Warning Letter Status: Not reported
Notice of Violation Status: No
Consent Order Status: No
Admin Hearing Status: No
Court Status: Yes
Final Order Status: No
Cleanup Started: Yes
Cleanup Completed: No
Deletion Recommended: No

**Actual:
70 ft.**

Other: Not reported
District: CENTRAL FLORIDA
Facility ID: 000110
EPA ID: Not reported
Lead Unit: DIST
Support Unit: OGC
Status: ACTIVE
Status Date: 04/11/85

Comments: FINAL CONSENT JUDGEMENT SIGNED AND SITE CLOSED 11-84. MONITORING CONTINUES. HYDROGEOLOGICAL SURVEY SUBMITTED 6-85. REVIEW COMPLETED 7-85. CONTAMINATION ASSESSMENT PLAN (CAP) APPROVED 8-85. CONTAMINATION ASSESSMENT REPORT SUBMITTED 11-85. DISTRICT NOTIFIED COUNTY THAT REPORT IS INCOMPLETE 3-86. AMMENDED CONSENT JUDGEMENT ALLOWING DISPOSAL OF CONSTRUCTION DEBRIS REVIEWED 4-86. JUDGEMENT EFFECTIVE 4-86. MEETING TO DISCUSS CAP CONDUCTED 6-86. CONTAMINATION ASSESSMENT REPORT (CAR) APPROVED 10-86. REMEDIAL ACTION PLAN (RAP) SUBMITTED 3-87. DEPARTMENT REVIEW COMPLETED AND COMMENTS FORWARDED 5-87 AND 1-88. TELECONFERENCE TO DISCUSS RAP REQUIREMENTS CONDUCTED 9-88. REVISED RAP DUE 11-88.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KISSIMMEE	S108828231		RT. 1, BOX 204		DEDB
KISSIMMEE	S108828216		S.R. 15 (NEAR NORCOOSEE)		DEDB
KISSIMMEE	S108828227		RT. 2, BOX 74D		DEDB
KISSIMMEE	S108828209		HWY. 532		DEDB
KISSIMMEE	U004034128	CENTRAL FL PIPELINE-RELEASE	HWY 535 & POLYNESIAN ISLE RD		UST
KISSIMMEE	S108978924	KISSIMMEE CITY-WWTP	1616 S BERMUDA AVE	34741	AST
KISSIMMEE	1010573330	KISSIMMEE/SOUTH BERMUDA WRF	1616 SOUTH BERMUDA AVENUE	34741	ICIS
KISSIMMEE	S106778667	WILLIAMS PIT	BOGGY CREEK ROAD / SR 530		SWF/LF
KISSIMMEE	A100180718	KISSIMMEE CITY-LS 111	CELEBRATION BLVD	34741	AST
KISSIMMEE	1004685882	KISSIMMEE US ARMY RESERVE	1111 N CENTRAL AVE	34741	FINDS, RCRA-CESQG
KISSIMMEE	S108399577	CITY OF KISSIMMEE	101 CHURCH ST STE 301	34741	NPDES
KISSIMMEE	1007127845	CITY OF KISSIMMEE	101 NORTH CHURCH STREETSUITE 3	34741	FINDS
KISSIMMEE	S107810693	WATSON @ KISSIMMEE	SW CORNER OF US HWY 192		NPDES
KISSIMMEE	1008159547	WATSON @ KISSIMMEE	SW CORNER OF US HWY 192& MAGIC	34741	FINDS
KISSIMMEE	1010315911	KISSIMMEE MIDDLE SCHOOL	2410 DYER BLVD	34741	RCRA-CESQG
KISSIMMEE	1007844984	KISSIMMEE H.O.M.E. PROJECT	END OF MARTIN ST W OF JOHN YOU		FINDS
KISSIMMEE	S107804050	KISSIMMEE H.O.M.E. PROJECT	END OF MARTIN ST W OF JOHN YOU		NPDES
KISSIMMEE	U004034022	OSCEOLA CNTY	1698 HOAGLAND BLVD	34741	UST
KISSIMMEE	S106120790	CITGO MAINGATE	7424 W HWY 192	34746	LUST
KISSIMMEE	1007844614	SHELL STATION/W IRLO BRONSON H	4692 W IRLO BRONSON HWY	34741	FINDS
KISSIMMEE	A100267351	KISSIMMEE GO KARTS INC	4708 W IRLO BRONSON HWY	34746	AST
KISSIMMEE	1010315742	TRAVELDGE HOTEL	5711 W. IRLO BRONSON MEM HWY	34746	RCRA-CESQG
KISSIMMEE	S107804051	KISSIMMEE MOTROSPORTS	JOHN YOUNG PARKWAY WITHIN THE		NPDES
KISSIMMEE	S107799013	AMSOUTH BANK - SOUTH KISSIMMEE	LOT 2 OF SINGLE CREEK VILLAGE		NPDES
KISSIMMEE	1007844688	AMSOUTH BANK - SOUTH KISSIMMEE	LOT 2 OF SINGLE CREEK VILLAGEO	34741	FINDS
KISSIMMEE	S108172901	GATEWAY STATION AT GATEWAY COMMONS	NWQ OSCEOLA PKWY AND FLORIDA'S		NPDES
KISSIMMEE	1009313001	GATEWAY STATION AT GATEWAY COM	NWQ OSCEOLA PKWY AND FLORIDA S	34741	FINDS
KISSIMMEE	1008220662	GATEWAY STATION AT GATEWAY COM	OSCEOLA PARKWAY & FLORIDA S TU	34741	FINDS
KISSIMMEE	S106656457		EAST OSCEOLA PARKWAY		LUST, SPILLS
KISSIMMEE	S107804049	KISSIMMEE FIRE STATION #4	REGATTA BAY BLVD.		NPDES
KISSIMMEE	1008160305	KISSIMMEE FIRE STATION # 4	REGATTA BAY BLVD.	34741	FINDS
KISSIMMEE	A100319325	LIFT STATION 18	0 SCOTT BLVD	34741	AST
KISSIMMEE	S107802336	FLORIDA EYE CLINIC - KISSIMMEE	E SIDE OF CENTRAL AVE, S OF PA		NPDES
KISSIMMEE	1008219498	FLORIDA EYE CLINIC - KISSIMMEE	E SIDE OF CENTRAL AVE, S OF PA	34741	FINDS
KISSIMMEE	S106778665	VICKIE COURT OPEN DUMP	VICKIE COURT		SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/19/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/08/2008	Source: EPA
Date Data Arrived at EDR: 04/25/2008	Telephone: 703-412-9810
Date Made Active in Reports: 05/21/2008	Last EDR Contact: 07/22/2008
Number of Days to Update: 26	Next Scheduled EDR Contact: 09/15/2008
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 06/17/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/15/2008
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/07/2008	Telephone: 202-564-6023
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008	Source: EPA
Date Data Arrived at EDR: 04/02/2008	Telephone: 800-424-9346
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 06/02/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/04/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/04/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 04/22/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 07/21/2008
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/16/2008	Telephone: 202-366-4555
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 07/15/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/13/2008
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/27/2008	Telephone: 202-366-4595
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 05/28/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/25/2008
	Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/27/2008
Next Scheduled EDR Contact: 09/22/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 04/30/2008
Date Made Active in Reports: 05/30/2008
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 07/15/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 08/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 41

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/30/2008
Next Scheduled EDR Contact: 09/29/2008
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 06/09/2008
Next Scheduled EDR Contact: 09/08/2008
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/08/2008
Date Data Arrived at EDR: 04/25/2008
Date Made Active in Reports: 05/30/2008
Number of Days to Update: 35

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/21/2008
Next Scheduled EDR Contact: 10/20/2008
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/30/2008
Next Scheduled EDR Contact: 09/29/2008
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 06/23/2008
Next Scheduled EDR Contact: 09/22/2008
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/07/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/25/2008
Next Scheduled EDR Contact: 09/22/2008
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/14/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/11/2008
Date Data Arrived at EDR: 04/24/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 27

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/11/2008
Date Data Arrived at EDR: 04/24/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 27

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/14/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 03/18/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/14/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/20/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/22/2008
Date Data Arrived at EDR: 05/06/2008
Date Made Active in Reports: 06/09/2008
Number of Days to Update: 34

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/30/2008
Next Scheduled EDR Contact: 09/29/2008
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/29/2008
Date Data Arrived at EDR: 05/01/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 05/01/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/03/2008	Source: EPA
Date Data Arrived at EDR: 04/08/2008	Telephone: (404) 562-9900
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 06/11/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/08/2008
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Florida's State-Funded Action Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 01/22/2008	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/19/2008	Telephone: 850-488-0190
Date Made Active in Reports: 03/28/2008	Last EDR Contact: 06/20/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/15/2008
	Data Release Frequency: Semi-Annually

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/12/2008	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/13/2008	Telephone: 850-922-7121
Date Made Active in Reports: 06/27/2008	Last EDR Contact: 05/13/2008
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/11/2008
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: PCT01 - Petroleum Contamination Detail Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/01/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 06/27/2008
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

UST: STI02 - Facility/Owner/Tank Report

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/01/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 06/30/2008
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

AST: STI02 - Facility/Owner/Tank Report

Registered Aboveground Storage Tanks.

Date of Government Version: 05/01/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 06/30/2008
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

FL SITES: Sites List

This summary status report was developed from a number of lists including the Eckhardt list, the Moffitt list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response information System list (RCRA Section 3012) & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

Date of Government Version: 12/31/1989
Date Data Arrived at EDR: 05/09/1994
Date Made Active in Reports: 08/04/1994
Number of Days to Update: 87

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 03/24/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS: Oil and Hazardous Materials Incidents

Statewide oil and hazardous materials inland incidents.

Date of Government Version: 05/03/2008
Date Data Arrived at EDR: 05/06/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 6

Source: Department of Environmental Protection
Telephone: 850-488-2974
Last EDR Contact: 05/02/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Semi-Annually

ENG CONTROLS: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

Date of Government Version: 04/28/2008
Date Data Arrived at EDR: 04/30/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 12

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Inst Control: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

Date of Government Version: 04/28/2008
Date Data Arrived at EDR: 04/30/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 12

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Sites

Listing of closed and active voluntary cleanup sites.

Date of Government Version: 03/24/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 03/28/2008
Number of Days to Update: 3

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 07/18/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Facilities

No description is available for this data

Date of Government Version: 05/01/2008
Date Data Arrived at EDR: 05/20/2008
Date Made Active in Reports: 06/27/2008
Number of Days to Update: 38

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 05/20/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

PRIORITYCLEANERS: Priority Ranking List

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility.

Date of Government Version: 06/01/2008
Date Data Arrived at EDR: 06/11/2008
Date Made Active in Reports: 06/27/2008
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 06/11/2008
Next Scheduled EDR Contact: 09/08/2008
Data Release Frequency: Varies

DEDB: Ethylene Dibromide Database Results

Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

Date of Government Version: 02/12/2008
Date Data Arrived at EDR: 02/14/2008
Date Made Active in Reports: 02/28/2008
Number of Days to Update: 14

Source: Department of Environmental Protection
Telephone: 850-245-8335
Last EDR Contact: 07/14/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Varies

BROWNFIELDS: Brownfield Areas

Brownfields are abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. Florida's Brownfields Redevelopment Act's primary goals are to reduce health and environmental hazards on existing commercial and industrial sites that are abandoned or underused due to these hazards and create financial and regulatory incentives to encourage voluntary cleanup and redevelopment of sites.

Date of Government Version: 04/27/2008
Date Data Arrived at EDR: 04/30/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 12

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 04/30/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WASTEWATER: Wastewater Facility Regulation Database

Domestic and industrial wastewater facilities.

Date of Government Version: 05/07/2008

Date Data Arrived at EDR: 06/04/2008

Date Made Active in Reports: 06/27/2008

Number of Days to Update: 23

Source: Department of Environmental Protection

Telephone: 850-921-9495

Last EDR Contact: 06/04/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing

A listing of Air Resources Management permits.

Date of Government Version: 06/18/2008

Date Data Arrived at EDR: 06/18/2008

Date Made Active in Reports: 06/27/2008

Number of Days to Update: 9

Source: Department of Environmental Protection

Telephone: 850-921-9558

Last EDR Contact: 06/18/2008

Next Scheduled EDR Contact: 08/25/2008

Data Release Frequency: Varies

FL Cattle Dip. Vats: Cattle Dipping Vats

From the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides, such as DDT, were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Date of Government Version: 02/04/2005

Date Data Arrived at EDR: 06/29/2007

Date Made Active in Reports: 07/11/2007

Number of Days to Update: 12

Source: Department of Environmental Protection

Telephone: 850-488-3601

Last EDR Contact: 05/05/2008

Next Scheduled EDR Contact: 08/04/2008

Data Release Frequency: No Update Planned

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 04/01/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/12/2008

Number of Days to Update: 20

Source: Department of Environmental Protection

Telephone: 850-413-9970

Last EDR Contact: 07/21/2008

Next Scheduled EDR Contact: 10/06/2008

Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 12/08/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710

Last EDR Contact: 05/09/2008

Next Scheduled EDR Contact: 08/04/2008

Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Date Data Arrived at EDR: 12/03/2007

Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245

Last EDR Contact: 05/27/2008

Next Scheduled EDR Contact: 08/25/2008

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/26/2008	Telephone: 415-972-3372
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/20/2008	Source: EPA Region 8
Date Data Arrived at EDR: 03/04/2008	Telephone: 303-312-6271
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008	Source: EPA Region 7
Date Data Arrived at EDR: 03/27/2008	Telephone: 913-551-7003
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/28/2008	Source: EPA Region 6
Date Data Arrived at EDR: 02/29/2008	Telephone: 214-665-6597
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/17/2008	Source: EPA Region 4
Date Data Arrived at EDR: 03/27/2008	Telephone: 404-562-8677
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/21/2008	Source: EPA Region 10
Date Data Arrived at EDR: 02/26/2008	Telephone: 206-553-2857
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 12/21/2007
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 34

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/21/2008
Next Scheduled EDR Contact: 10/20/2008
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/21/2008
Next Scheduled EDR Contact: 10/20/2008
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

ALACHUA COUNTY:

Facility List

List of all regulated facilities in Alachua County.

Date of Government Version: 04/16/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 25

Source: Alachua County Environmental Protection Department
Telephone: 352-264-6800
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Annually

BROWARD COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Aboveground Storage Tanks

Aboveground storage tank locations in Broward County.

Date of Government Version: 04/08/2008	Source: Broward County Environmental Protection Department
Date Data Arrived at EDR: 04/11/2008	Telephone: 954-818-7509
Date Made Active in Reports: 05/14/2008	Last EDR Contact: 06/27/2008
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Varies

Underground Storage Tanks

All known regulated storage tanks within Broward County, including those tanks that have been closed

Date of Government Version: 04/08/2008	Source: Broward County Environmental Protection Department
Date Data Arrived at EDR: 04/11/2008	Telephone: 954-818-7509
Date Made Active in Reports: 05/13/2008	Last EDR Contact: 06/27/2008
Number of Days to Update: 32	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Annually

MIAMI-DADE COUNTY:

Air Permit Sites

Facilities that release or have a potential to release pollutants.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6755
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

Grease Trap Sites

Any non-residential facility that discharges waste to a sanitary sewer.

Date of Government Version: 04/14/2008	Source: Dade County Dept. of Env. Resources Mgmt.
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6508
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

Marine Facilities Operating Permit

What is this permit used for? Miami-Dade County Ordinance 89-104 and Section 24-18 of the Code of Miami-Dade County require the following types of marine facilities to obtain annual operating permits from DERM: All recreational boat docking facilities with ten (10) or more boat slips, moorings, davit spaces, and vessel tie-up spaces. All boat storage facilities contiguous to tidal waters in Miami-Dade County with ten (10) or more dry storage spaces including boatyards and boat manufacturing facilities.

Date of Government Version: 04/14/2008	Source: DERM
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-3576
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Quarterly

Miami River Enforcement

The Miami River Enforcement database files were created for facilities and in some instances vessels that were inspected by a workgroup within the Department that was identified as the Miami River Enforcement Group. The files do not all necessarily reflect enforcement cases and some were created for locations that were permitted by other Sections within the Department.

Date of Government Version: 04/14/2008	Source: DERM
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-3576
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Industrial Waste Permit Sites

Facilities that either generate more than 25,000 of wastewater per day to sanitary sewers or are pre-defined by EPA.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6700
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

Enforcement Case Tracking System Sites

Enforcement cases monitored by the Dade County Department of Environmental Resources Management.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6755
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 03/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Semi-Annually

Fuel Spills Cases

DERM documents fuel spills of sites that are not in a state program.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6755
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

Underground Storage Tanks

The facility has on-site underground storage tanks which stores petroleum product.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resource Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6700
Date Made Active in Reports: 05/13/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 06/13/2008
Number of Days to Update: 66	Next Scheduled EDR Contact: 09/08/2008
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/04/2007	Telephone: N/A
Date Made Active in Reports: 12/31/2007	Last EDR Contact: 04/03/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/27/2008
Date Data Arrived at EDR: 05/29/2008
Date Made Active in Reports: 07/10/2008
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/29/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/10/2008
Number of Days to Update: 20

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/09/2008
Next Scheduled EDR Contact: 09/08/2008
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/01/2007
Date Data Arrived at EDR: 11/09/2007
Date Made Active in Reports: 01/15/2008
Number of Days to Update: 67

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/21/2008
Next Scheduled EDR Contact: 10/06/2008
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Department of Children & Families

Source: Provider Information

Telephone: 850-488-4900

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

KISSIMMEE FIELD STATION
80 S. HOAGLAND BLVD.
KISSIMMEE, FL 34741

TARGET PROPERTY COORDINATES

Latitude (North):	28.29105 - 28° 17' 27.8"
Longitude (West):	81.44796 - 81° 26' 52.7"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	456073.2
UTM Y (Meters):	3129352.5
Elevation:	74 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	28081-C4 KISSIMMEE, FL
Most Recent Revision:	1987

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

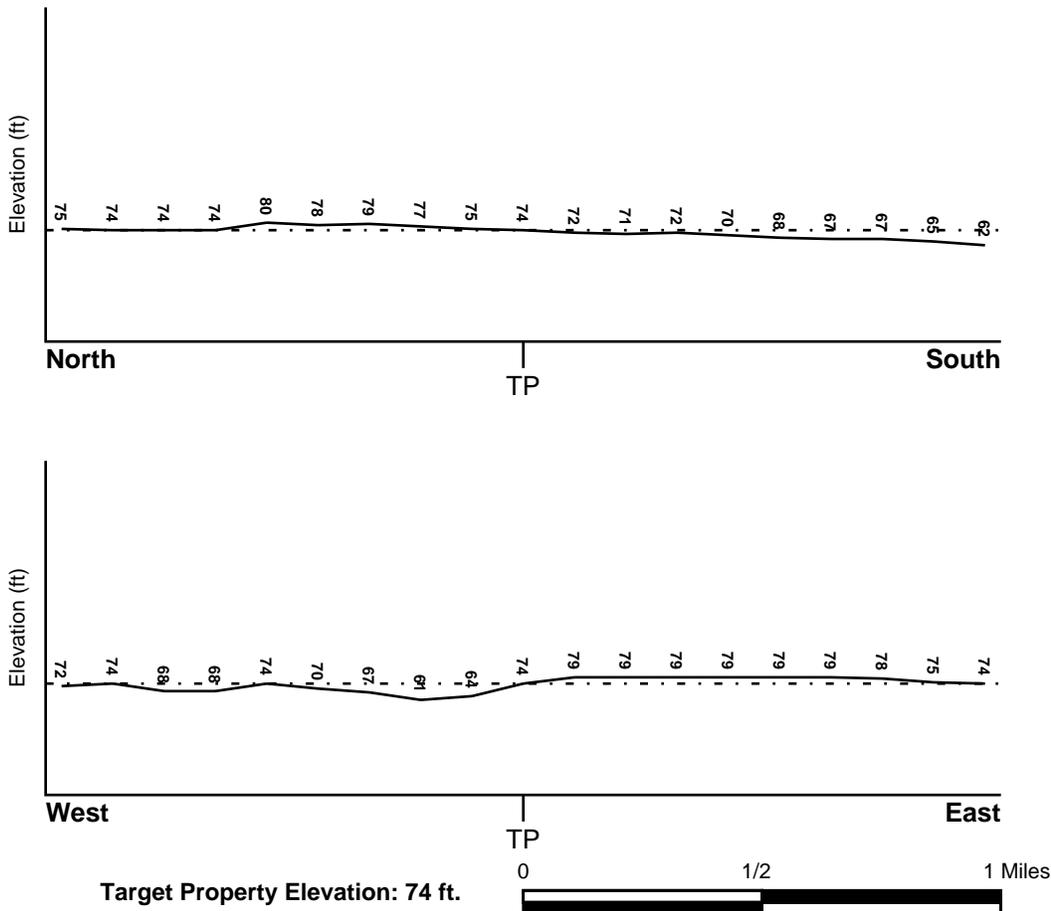
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> OSCEOLA, FL	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	1201900005B
Additional Panels in search area:	1201890040B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> KISSIMMEE	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Pleistocene
Code: Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: FLORIDANA

Soil Surface Texture: mucky - fine sand

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Very poorly. Soils are wet to the surface most of the time. Depth to water table is less than 1 foot, or is ponded.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	21 inches	mucky - fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 4.50
2	21 inches	25 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 8.40 Min: 4.50
3	25 inches	80 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.20 Min: 0.00	Max: 8.40 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: muck
fine sand
loamy sand

Surficial Soil Types: muck
fine sand
loamy sand

Shallow Soil Types: fine sand
sand
loamy sand
sandy clay loam

Deeper Soil Types: sand
fine sand
fine sandy loam
sandy clay

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	FL3494396	1/2 - 1 Mile SSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

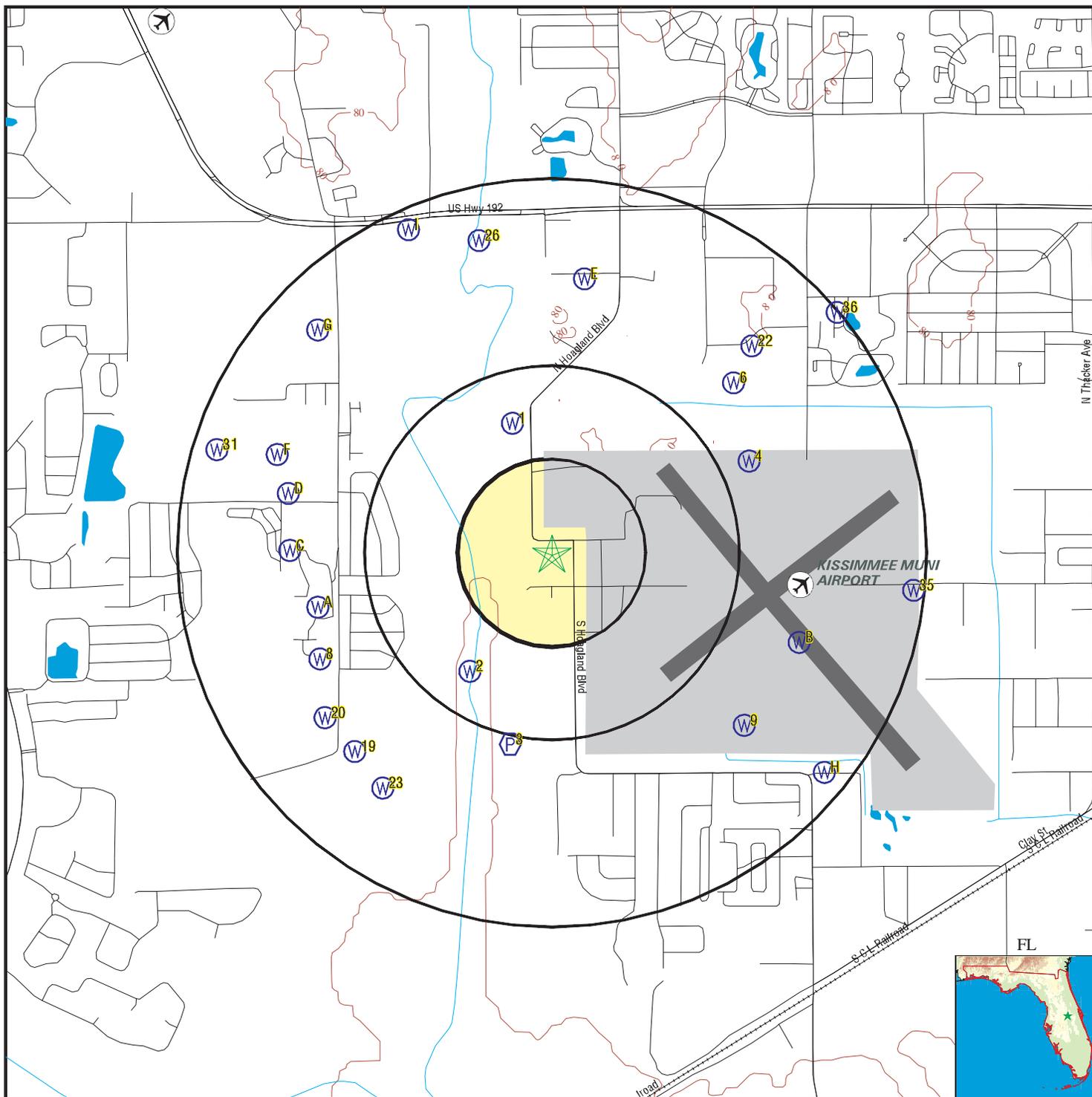
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	FLSO30000045773	1/4 - 1/2 Mile NNW
2	FLSA30000036009	1/4 - 1/2 Mile SW
4	FLSO30000045764	1/2 - 1 Mile ENE
A5	FLSO30000045747	1/2 - 1 Mile WSW
6	FLSO30000045777	1/2 - 1 Mile NE
A7	FLSO30000045741	1/2 - 1 Mile WSW
8	FLSO30000045729	1/2 - 1 Mile WSW
9	FLSO30000045717	1/2 - 1 Mile SE
B10	FLSO30000045730	1/2 - 1 Mile ESE
C11	FLSO30000045755	1/2 - 1 Mile West
B12	FLSO30000045732	1/2 - 1 Mile ESE
C13	FLSO30000045757	1/2 - 1 Mile West
D14	FLSO30000045762	1/2 - 1 Mile WNW
B15	FLSO30000045731	1/2 - 1 Mile ESE
D16	FLSA30000036060	1/2 - 1 Mile West
E17	FLSA30000036165	1/2 - 1 Mile North
E18	FLSA30000036164	1/2 - 1 Mile North
19	FLSA30000035980	1/2 - 1 Mile SW
20	FLSA30000035994	1/2 - 1 Mile SW
F21	FLSO30000045766	1/2 - 1 Mile WNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
22	FLSO30000045786	1/2 - 1 Mile NE
23	FLSA30000035965	1/2 - 1 Mile SW
F24	FLSO30000045765	1/2 - 1 Mile WNW
G25	FLSA30000036141	1/2 - 1 Mile NW
26	FLSA30000036174	1/2 - 1 Mile NNW
G27	FLSA30000036152	1/2 - 1 Mile NW
H28	FLSO30000045707	1/2 - 1 Mile SE
I29	FLSO30000045805	1/2 - 1 Mile NNW
I30	FLSO30000045807	1/2 - 1 Mile NNW
31	FLSO30000045767	1/2 - 1 Mile WNW
H32	FLSA30000035966	1/2 - 1 Mile SE
I33	FLSO30000045811	1/2 - 1 Mile NNW
I34	FLSO30000045812	1/2 - 1 Mile NNW
35	FLSA30000036036	1/2 - 1 Mile East
36	FLSO30000045793	1/2 - 1 Mile NE

PHYSICAL SETTING SOURCE MAP - 2276756.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells
- Sink holes

SITE NAME: Kissimmee Field Station
 ADDRESS: 80 S. Hoagland Blvd.
 Kissimmee FL 34741
 LAT/LONG: 28.2910 / 81.4480

CLIENT: URS Corporation
 CONTACT: Jamie Sullivan
 INQUIRY #: 2276756.2s
 DATE: July 24, 2008 12:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1		FL WELLS	FLSO30000045773
	NNW		
	1/4 - 1/2 Mile		
	Higher		
Permit no:	49-01099-W	App no:	010212-11
Permit typ:	GP		
Project na:	NEXTEL KISSIMMEE AIRPORT		
Lu code:	LAN		
Acres serv:	.5		
Facil id:	105112		
Facil type:	WELL	Facil name:	Well 1
Pump type:	SUB		
Diameter:	2		
Pump depth:	0		
Pump capac:	25		
X coord:	511455		
Y coord:	1440615		
Well depth:	200	Case depth:	200
Use status:	Primary		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	19
Twp:	25	Rge:	29
Site id:	FLSO30000045773		

2		FL WELLS	FLSA30000036009
	SW		
	1/4 - 1/2 Mile		
	Lower		
Fluwid:	AAI2892	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Not Reported
Longitude:	-81.451551		
Latitude:	28.28645		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	0	Well permi:	Not Reported
Well comm:	Not Reported		
Well sanit:	Not Reported	Well busin:	Not Reported
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	0		
Gps date:	01/21/2003 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	550 BASS ROAD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	550 BASS ROAD

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	KISSIMMEE
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	OWNER	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	550 BASS ROAD	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	KISSIMMEE
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	468178		
Gps id:	468178		
Wsrp id:	490009701	Action:	UNFILTERED
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000036009

3
SSW
1/2 - 1 Mile
Lower

FRDS PWS FL3494396

PWS ID: FL3494396 PWS Status: Active
 Date Initiated: Not Reported Date Deactivated: Not Reported
 PWS Name: HEARTLAND PREPARATORY SCHOOL
 160 SOUTH ROMA WAY
 KISSIMMEE, FL 34746

Addressee / Facility: System Owner/Responsible Party
 HEARTLAND WORSHIP CENTER INC
 P.O. BOX 421459
 KISSIMMEE, FL 34742

Facility Latitude: 28 17 00 Facility Longitude: 081 27 00
 City Served: Not Reported
 Treatment Class: Treated Population: 00000113

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name: THE HARBOR
 Violation Type: Monitoring, Routine Major (TCR)
 Contaminant: COLIFORM (TCR)
 Compliance Period: 1994-07-01 - 1994-09-30
 Violation ID: 9400001V
 Enforcement Date: Not Reported Enf. Action: Not Reported

4
ENE
1/2 - 1 Mile
Higher

FL WELLS FLSO30000045764

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit no:	49-01007-W	App no:	990923-15
Permit typ:	GP		
Project na:	LA MIRADA PLAZA		
Lu code:	LAN		
Acres serv:	1		
Facil id:	31552		
Facil type:	WELL	Facil name:	W-2
Pump type:	SUB		
Diameter:	4		
Pump depth:	20		
Pump capac:	85		
X coord:	514790		
Y coord:	1440070		
Well depth:	225	Case depth:	175
Use status:	Primary		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	20
Twp:	25	Rge:	29
Site id:	FLSO30000045764		

**A5
WSW
1/2 - 1 Mile
Lower**

FL WELLS

FLSO30000045747

Permit no:	49-00414-W	App no:	X000013971
Permit typ:	GP		
Project na:	HOLIDAY INN'S KIDS VILLAGE		
Lu code:	LAN		
Acres serv:	8		
Facil id:	19578		
Facil type:	WELL	Facil name:	1
Pump type:	#N/A		
Diameter:	4		
Pump depth:	0		
Pump capac:	80		
X coord:	508891		
Y coord:	1438111		
Well depth:	400	Case depth:	210
Use status:	Standby		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Ann Marie Superchi	Secno:	25
Twp:	25	Rge:	28
Site id:	FLSO30000045747		

**6
NE
1/2 - 1 Mile
Higher**

FL WELLS

FLSO30000045777

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit no:	49-01119-W	App no:	010607-3
Permit typ:	GP		
Project na:	KISSIMMEE INDUSTRIAL PARK - LOT 3		
Lu code:	LAN		
Acres serv:	11.86		
Facil id:	108923		
Facil type:	WELL	Facil name:	Well #2
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	66		
X coord:	514575		
Y coord:	1441175		
Well depth:	350	Case depth:	0
Use status:	Primary		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	20
Twp:	25	Rge:	29
Site id:	FLSO30000045777		

A7
WSW
1/2 - 1 Mile
Lower

FL WELLS FLSO30000045741

Permit no:	49-00992-W	App no:	060814-22
Permit typ:	GP		
Project na:	GIVE KIDS THE WORLD WELL REPLACEMENT		
Lu code:	LAN		
Acres serv:	14		
Facil id:	30915		
Facil type:	WELL	Facil name:	W1
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	65		
X coord:	508515		
Y coord:	1437950		
Well depth:	250	Case depth:	0
Use status:	Secondary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	25
Twp:	25	Rge:	28
Site id:	FLSO30000045741		

8
WSW
1/2 - 1 Mile
Lower

FL WELLS FLSO30000045729

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit no:	49-00992-W	App no:	060814-22
Permit typ:	GP		
Project na:	GIVE KIDS THE WORLD WELL REPLACEMENT		
Lu code:	LAN		
Acres serv:	14		
Facil id:	30916		
Facil type:	WELL	Facil name:	W2
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	65		
X coord:	508730		
Y coord:	1437300		
Well depth:	250	Case depth:	0
Use status:	Secondary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	25
Twp:	25	Rge:	28
Site id:	FLSO30000045729		

**9
SE
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045717

Permit no:	49-01225-W	App no:	020924-17
Permit typ:	IND		
Project na:	KISSIMMEE GOLF CLUB		
Lu code:	GOL		
Acres serv:	1		
Facil id:	125363		
Facil type:	WELL	Facil name:	Well No. 4
Pump type:	TUR		
Diameter:	1.5		
Pump depth:	0		
Pump capac:	10		
X coord:	514709		
Y coord:	1436342		
Well depth:	0	Case depth:	0
Use status:	Primary		
Fac status:	E		
Source:	Surficial Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	29
Twp:	25	Rge:	29
Site id:	FLSO30000045717		

**B10
ESE
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045730

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit no:	49-01225-W	App no:	020924-17
Permit typ:	IND		
Project na:	KISSIMMEE GOLF CLUB		
Lu code:	GOL		
Acres serv:	1		
Facil id:	125362		
Facil type:	WELL	Facil name:	Well No. 3
Pump type:	TUR		
Diameter:	1.5		
Pump depth:	0		
Pump capac:	10		
X coord:	515434		
Y coord:	1437481		
Well depth:	0	Case depth:	0
Use status:	Primary		
Fac status:	E		
Source:	Surficial Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	29
Twp:	25	Rge:	29
Site id:	FLSO30000045730		

C11
West
1/2 - 1 Mile
Lower

FL WELLS FLSO30000045755

Permit no:	49-00992-W	App no:	060814-22
Permit typ:	GP		
Project na:	GIVE KIDS THE WORLD WELL REPLACEMENT		
Lu code:	LAN		
Acres serv:	14		
Facil id:	194366		
Facil type:	WELL	Facil name:	W4
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	75		
X coord:	508321		
Y coord:	1438756		
Well depth:	250	Case depth:	0
Use status:	Primary		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	24
Twp:	25	Rge:	28
Site id:	FLSO30000045755		

B12
ESE
1/2 - 1 Mile
Higher

FL WELLS FLSO30000045732

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit no:	49-01225-W	App no:	020924-17
Permit typ:	IND		
Project na:	KISSIMMEE GOLF CLUB		
Lu code:	GOL		
Acres serv:	1		
Facil id:	125361		
Facil type:	WELL	Facil name:	Well No. 2
Pump type:	TUR		
Diameter:	4		
Pump depth:	0		
Pump capac:	90		
X coord:	515486		
Y coord:	1437564		
Well depth:	260	Case depth:	128
Use status:	Secondary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	29
Twp:	25	Rge:	29
Site id:	FLSO30000045732		

C13
West
1/2 - 1 Mile
Lower

FL WELLS FLSO30000045757

Permit no:	49-00992-W	App no:	060814-22
Permit typ:	GP		
Project na:	GIVE KIDS THE WORLD WELL REPLACEMENT		
Lu code:	LAN		
Acres serv:	14		
Facil id:	30914		
Facil type:	WELL	Facil name:	W3
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	75		
X coord:	508300		
Y coord:	1438910		
Well depth:	250	Case depth:	0
Use status:	To be Plugged and Abandoned		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	24
Twp:	25	Rge:	28
Site id:	FLSO30000045757		

D14
WNW
1/2 - 1 Mile
Higher

FL WELLS FLSO30000045762

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit no:	49-00065-W	App no:	930515-288
Permit typ:	IND		
Project na:	JOHN BRONSON GROVES		
Lu code:	AGR		
Acres serv:	120		
Facil id:	10624		
Facil type:	WELL	Facil name:	3
Pump type:	CEN		
Diameter:	4		
Pump depth:	0		
Pump capac:	100		
X coord:	508409		
Y coord:	1439766		
Well depth:	375	Case depth:	140
Use status:	Primary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Walter P. Ward, P.G.	Secno:	24
Twp:	25	Rge:	28
Site id:	FLSO30000045762		

**B15
ESE
1/2 - 1 Mile
Higher**

FL WELLS

FLSO30000045731

Permit no:	49-01225-W	App no:	020924-17
Permit typ:	IND		
Project na:	KISSIMMEE GOLF CLUB		
Lu code:	GOL		
Acres serv:	1		
Facil id:	123490		
Facil type:	WELL	Facil name:	Well No. 1
Pump type:	TUR		
Diameter:	6		
Pump depth:	0		
Pump capac:	400		
X coord:	515537		
Y coord:	1437481		
Well depth:	300	Case depth:	200
Use status:	Primary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	29
Twp:	25	Rge:	29
Site id:	FLSO30000045731		

**D16
West
1/2 - 1 Mile
Higher**

FL WELLS

FLSA30000036060

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAC3151	Well type:	Community Water System (<100,000 gallons/day)
Well statu:	ACTIVE	Well casin:	Not Reported
Longitude:	-81.459866		
Latitude:	28.292998		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	Not Reported	Well permi:	3490816
Well comme:	DATUM 84		
Well sanit:	Not Reported	Well busin:	GREAT OAK R.V. RESORT
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	0		
Gps date:	01/14/2003 00:00:00	Location m:	DGPS
Project id:	DEP	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4440 YOWELL RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4440 YOWELL RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34746	City:	KISSIMMEE
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	107834		
Gps id:	107834		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000036060

**E17
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000036165

Fluwid:	AAE3373	Well type:	Non Community Public Water System
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.447181		
Latitude:	28.301747		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	AIRPORT MINI
Resident f:	Not Reported	Resident l:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	35.39		
Gps date:	06/01/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	1050 MCLELLAN
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	1050 MCLELLAN
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Kissimmee
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	300996		
Gps id:	300996		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000036165

**E18
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000036164

Fluwid:	AAE9350	Well type:	Limited Use Public Water System
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.445889		
Latitude:	28.301617		
Well depth:	300		
Well cas 1:	180		
Well cas 2:	4	Well permi:	49-57-1265
Well comm:	Not Reported		
Well sanit:	Yes	Well busin:	JAW
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	23.07		
Gps date:	01/31/2001 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	1028 MCCLELLAN ST.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	1028 MCCLELLAN ST.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34744	City:	Kissimmee
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	307486		
Gps id:	307486		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000036164

**19
SW
1/2 - 1 Mile
Lower**

FL WELLS FLSA30000035980

Fluwid:	AAD3002	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.456596		
Latitude:	28.283338		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	396-4604		
Well sanit:	Yes	Well busin:	Karen Saintclaire
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	6.7		
Gps date:	06/24/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	925 Bass Rd
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	925 Bass Rd
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Kissimmee
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293180		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	293180	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000035980

**20
SW
1/2 - 1 Mile
Lower**

FL WELLS FLSA30000035994

Fluwid:	AAD3001	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.457899		
Latitude:	28.284651		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	396-4604		
Well sanit:	Yes	Well busin:	Residence
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-8.1		
Gps date:	06/24/1999 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	650 BASS ROAD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	650 BASS ROAD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	KISSIMMEE
Contact fi:	LORI	Contact la:	Not Reported
Contact ty:	OWNER	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	650 BASS ROAD	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	KISSIMMEE
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293178		
Gps id:	293178		
Wsrp id:	490011601	Action:	UNFILTERED
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000035994

**F21
WNW
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045766

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit no:	49-00065-W	App no:	930515-288
Permit typ:	IND		
Project na:	JOHN BRONSON GROVES		
Lu code:	AGR		
Acres serv:	120		
Facil id:	10626		
Facil type:	WELL	Facil name:	2
Pump type:	CEN		
Diameter:	8		
Pump depth:	0		
Pump capac:	500		
X coord:	508310		
Y coord:	1440207		
Well depth:	375	Case depth:	206
Use status:	Primary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Walter P. Ward, P.G.	Secno:	24
Twp:	25	Rge:	28
Site id:	FLSO30000045766		

**22
NE
1/2 - 1 Mile
Higher**

FL WELLS

FLSO30000045786

Permit no:	49-01119-W	App no:	010607-3
Permit typ:	GP		
Project na:	KISSIMMEE INDUSTRIAL PARK - LOT 3		
Lu code:	LAN		
Acres serv:	11.86		
Facil id:	108922		
Facil type:	WELL	Facil name:	Well #1
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	63		
X coord:	514835		
Y coord:	1441695		
Well depth:	350	Case depth:	0
Use status:	Primary		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	20
Twp:	25	Rge:	29
Site id:	FLSO30000045786		

**23
SW
1/2 - 1 Mile
Lower**

FL WELLS

FLSA30000035965

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAD3003	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.455366		
Latitude:	28.281919		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	396-4604		
Well sanit:	Yes	Well busin:	Ruffley James
Resident f:	Not Reported	Resident I:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-4.61		
Gps date:	06/24/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	1033 Bass Rd
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	1033 Bass Rd
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Kissimmee
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293182		
Gps id:	293182		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000035965

**F24
WNW
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045765

Permit no:	49-01612-W	App no:	051222-26
Permit typ:	GP		
Project na:	BELLEVIDA PHASE II SUBDIVISION		
Lu code:	DEW		
Acres serv:	1		
Facil id:	190425		
Facil type:	PUMP	Facil name:	Pump No. 1
Pump type:	CEN		
Diameter:	6		
Pump depth:	0		
Pump capac:	500		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

X coord:	507966		
Y coord:	1440167		
Well depth:	0	Case depth:	0
Use status:	Primary		
Fac status:	P		
Source:	Water Table aquifer		
Water use:	Mining/Dewatering		
Reviewer:	Louis Bustamante	Secno:	24
Twp:	25	Rge:	28
Site id:	FLSO30000045765		

**G25
NW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000036141

Fluwid:	AAI2889	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Not Reported
Longitude:	-81.458138		
Latitude:	28.299157		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	resample for phthalates		
Well sanit:	Not Reported	Well busin:	Not Reported
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	0		
Gps date:	01/21/2003 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	840 BASS ROAD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	840 BASS ROAD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	KISSIMMEE
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	OWNER	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	840 BASS ROAD	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	KISSIMMEE
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	468182		
Gps id:	468182		
Wsrp id:	490009901	Action:	UNFILTERED
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000036141

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

26
NNW
1/2 - 1 Mile
Lower

FL WELLS FLSA30000036174

Fluwid:	AAE3372	Well type:	Non Community Public Water System
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.451156		
Latitude:	28.303168		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	AIRBOAT RENTAL
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	33.33		
Gps date:	06/01/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4266 W IBM
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4266 W IBM
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Kissimmee
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	300988		
Gps id:	300988		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000036174

G27
NW
1/2 - 1 Mile
Higher

FL WELLS FLSA30000036152

Fluwid:	AAI2893	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Not Reported
Longitude:	-81.458303		
Latitude:	28.300234		
Well depth:	325		
Well cas 1:	0		
Well cas 2:	3	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Not Reported	Well busin:	Not Reported
Resident f:	Not Reported	Resident l:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	0		
Gps date:	01/21/2003 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	970 BASS ROAD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	970 BASS ROAD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	KISSIMMEE
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	OWNER	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	970 BASS ROAD	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	KISSIMMEE
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	468180		
Gps id:	468180		
Wsrp id:	490009801	Action:	UNFILTERED
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000036152

**H28
SE
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045707

Permit no:	49-01225-W	App no:	020924-17
Permit typ:	IND		
Project na:	KISSIMMEE GOLF CLUB		
Lu code:	GOL		
Acres serv:	1		
Facil id:	125367		
Facil type:	PUMP	Facil name:	Pump No. 1
Pump type:	CEN		
Diameter:	4		
Pump depth:	0		
Pump capac:	60		
X coord:	515866		
Y coord:	1435881		
Well depth:	300	Case depth:	180
Use status:	Primary		
Fac status:	E		
Source:	On-site Lake(s)/Pond(s)		
Water use:	Irrigation		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	29
Twp:	25	Rge:	29
Site id:	FLSO30000045707		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

I29
NNW
1/2 - 1 Mile
Higher

FL WELLS FLSO30000045805

Permit no:	49-01121-W	App no:	010719-16
Permit typ:	GP		
Project na:	PIRATES ISLAND ADVENTURE GOLF		
Lu code:	LAN		
Acres serv:	2		
Facil id:	110441		
Facil type:	WELL	Facil name:	2
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	40		
X coord:	509941		
Y coord:	1443187		
Well depth:	250	Case depth:	150
Use status:	Primary		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Christina Shaw	Secno:	19
Twp:	25	Rge:	29
Site id:	FLSO30000045805		

I30
NNW
1/2 - 1 Mile
Higher

FL WELLS FLSO30000045807

Permit no:	49-01121-W	App no:	010719-16
Permit typ:	GP		
Project na:	PIRATES ISLAND ADVENTURE GOLF		
Lu code:	LAN		
Acres serv:	2		
Facil id:	110440		
Facil type:	WELL	Facil name:	1
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	25		
X coord:	509941		
Y coord:	1443197		
Well depth:	250	Case depth:	150
Use status:	To be Plugged and Abandoned		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Christina Shaw	Secno:	19
Twp:	25	Rge:	29
Site id:	FLSO30000045807		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

31
WNW
1/2 - 1 Mile
Higher

FL WELLS FLSO30000045767

Permit no:	49-01612-W	App no:	051222-26
Permit typ:	GP		
Project na:	BELLEVIDA PHASE II SUBDIVISION		
Lu code:	DEW		
Acres serv:	1		
Facil id:	190426		
Facil type:	PUMP	Facil name:	Pump No. 2
Pump type:	CEN		
Diameter:	6		
Pump depth:	0		
Pump capac:	500		
X coord:	507289		
Y coord:	1440259		
Well depth:	0	Case depth:	0
Use status:	Primary		
Fac status:	P		
Source:	Water Table aquifer		
Water use:	Mining/Dewatering		
Reviewer:	Louis Bustamante	Secno:	24
Twp:	25	Rge:	28
Site id:	FLSO30000045767		

H32
SE
1/2 - 1 Mile
Higher

FL WELLS FLSA30000035966

Fluwid:	AAI2872	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	GALVANIZED
Longitude:	-81.436124		
Latitude:	28.281955		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Florida Coach
Resident f:	Jack	Resident I:	Calhoun
Well phone:	407-846-2782	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-1.51		
Gps date:	10/10/2006 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Kristen
Inspector1:	Baldree	Inspecto 1:	OSCEOLA
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	3150 Florida Coach DR
House numb:	3150	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	Florida Coach

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	DR	Postdirect:	Not Reported
Zipcode:	34741	City:	Kissimmee
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	328398		
Gps id:	328398		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	OWNER		
Other agen:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported	Site id:	FLSA30000035966

**I33
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045811

Permit no:	49-01478-W	App no:	050110-27
Permit typ:	GP		
Project na:	STATE ROAD 530 (US 192)		
Lu code:	DEW		
Acres serv:	92.37		
Facil id:	144542		
Facil type:	PUMP	Facil name:	Pump No. 5
Pump type:	CEN		
Diameter:	6		
Pump depth:	78.7		
Pump capac:	1000		
X coord:	510061		
Y coord:	1443514		
Well depth:	0	Case depth:	0
Use status:	Primary		
Fac status:	P		
Source:	Water Table aquifer		
Water use:	Mining/Dewatering		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	19
Twp:	25	Rge:	29
Site id:	FLSO30000045811		

**I34
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045812

Permit no:	49-01357-W	App no:	031215-19
Permit typ:	GP		
Project na:	SR 530/US 192		
Lu code:	DEW		
Acres serv:	0		
Facil id:	144542		
Facil type:	PUMP	Facil name:	Pump No. 5
Pump type:	CEN		
Diameter:	6		
Pump depth:	78.7		
Pump capac:	1000		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

X coord:	510061		
Y coord:	1443514		
Well depth:	0	Case depth:	0
Use status:	Primary		
Fac status:	P		
Source:	Water Table aquifer		
Water use:	Mining/Dewatering		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	19
Twp:	25	Rge:	29
Site id:	FLSO30000045812		

**35
East
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000036036

Fluwid:	AAG4517	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.432115		
Latitude:	28.289593		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	PEREZ
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	23.47		
Gps date:	01/09/2002 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	2804 PATRICK STREET
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	2804 PATRICK STREET
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34741	City:	Kissimmee
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	320660		
Gps id:	320660		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000036036

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

36
NE
1/2 - 1 Mile
Higher

FL WELLS FLSO30000045793

Permit no:	49-00804-W	App no:	950918-3
Permit typ:	GP		
Project na:	WOODSIDE APARTMENTS		
Lu code:	LAN		
Acres serv:	8.5		
Facil id:	19657		
Facil type:	WELL	Facil name:	1
Pump type:	SUB		
Diameter:	4		
Pump depth:	0		
Pump capac:	200		
X coord:	516038		
Y coord:	1442164		
Well depth:	250	Case depth:	0
Use status:	Primary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Alex Glebocki	Secno:	20
Twp:	25	Rge:	29
Site id:	FLSO30000045793		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: FL Radon

Radon Test Results

Zip	Total Buildings	% of sites > 4 pCi/L	Data Source
34741	58	0.0	Certified Residential Database
34741	98	0.0	Mandatory Non-Residential Database
34741	1	0.0	Mandatory Residential Database

Federal EPA Radon Zone for OSCEOLA County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for OSCEOLA COUNTY, FL

Number of sites tested: 25

Area	Average Activity	% < 4 pCi/L	% 4-20 pCi/L	% > 20 pCi/L
Living Area	0.580 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Well Construction Permitting Database

Source: Northwest Florida Water Management District

Telephone: 850-539-5999

Consumptive Use Permit Well Database

Source: St. Johns River Water Management District

Telephone: 386-329-4841

Permitted Well Location Database

Source: South Florida Water Management District

Telephone: 561-682-6877

Super Act Program Well Data

This table consists of data relating to all privately and publicly owned potable wells investigated as part of the SUPER Act program. The Florida Department of Health's SUPER Act Program (per Chapter 376.3071(4)(g), Florida Statutes), was given authority to provide field and laboratory services, toxicological risk assessments, investigations of drinking water contamination complaints and education of the public

Source: Department of Health

Telephone: 850-245-4250

Water Well Location Information

Source: Suwannee River Water Management District

Telephone: 386-796-7211

Water Well Permit Database

Source: Southwest Water Management District

Telephone: 352-796-7211

OTHER STATE DATABASE INFORMATION

Florida Sinkholes

Source: Department of Environmental Protection, Geological Survey

The sinkhole data was gathered by the Florida Sinkhole Research Institute, University of Florida.

Oil and Gas Permit Database

Source: Department of Environmental Protection

Telephone: 850-245-3194

Locations of all permitted wells in the state of Florida.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

RADON

State Database: FL Radon

Source: Department of Health
Telephone: 850-245-4288
Zip Code Based Radon Data

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KISSIMMEE	S108828231		RT. 1, BOX 204		DEDB
KISSIMMEE	S108828216		S.R. 15 (NEAR NORCOOSEE)		DEDB
KISSIMMEE	S108828227		RT. 2, BOX 74D		DEDB
KISSIMMEE	S108828209		HWY. 532		DEDB
KISSIMMEE	U004034128	CENTRAL FL PIPELINE-RELEASE	HWY 535 & POLYNESIAN ISLE RD		UST
KISSIMMEE	S108978924	KISSIMMEE CITY-WWTP	1616 S BERMUDA AVE	34742	AST
KISSIMMEE	1010573330	KISSIMMEE/SOUTH BERMUDA WRF	1616 SOUTH BERMUDA AVENUE	34741	ICIS
KISSIMMEE	S106778667	WILLIAMS PIT	BOGGY CREEK ROAD / SR 530	34744	SWF/LF
KISSIMMEE	A100180718	KISSIMMEE CITY-LS 111	CELEBRATION BLVD	34741	AST
KISSIMMEE	1004685882	KISSIMMEE US ARMY RESERVE	1111 N CENTRAL AVE	34741	FINDS, RCRA-CESQG
KISSIMMEE	S108399577	CITY OF KISSIMMEE	101 CHURCH ST STE 301		NPDES
KISSIMMEE	1007127845	CITY OF KISSIMMEE	101 NORTH CHURCH STREETSUITE 3	34741	FINDS
KISSIMMEE	S107810693	WATSON @ KISSIMMEE	SW CORNER OF US HWY 192		NPDES
KISSIMMEE	1008159547	WATSON @ KISSIMMEE	SW CORNER OF US HWY 192& MAGIC	34741	FINDS
KISSIMMEE	1010315911	KISSIMMEE MIDDLE SCHOOL	2410 DYER BLVD	34741	RCRA-CESQG
KISSIMMEE	1007844984	KISSIMMEE H.O.M.E. PROJECT	END OF MARTIN ST W OF JOHN YOU		FINDS
KISSIMMEE	S107804050	KISSIMMEE H.O.M.E. PROJECT	END OF MARTIN ST W OF JOHN YOUNG PKWY		NPDES
KISSIMMEE	U004034022	OSCEOLA CNTY	1698 HOAGLAND BLVD	34741	UST
KISSIMMEE	S106120790	CITGO MAINGATE	7424 W HWY 192	34746	LUST
KISSIMMEE	1007844614	SHELL STATION/W IRLO BRONSON H	4692 W IRLO BRONSON HWY	34741	FINDS
KISSIMMEE	A100267351	KISSIMMEE GO KARTS INC	4708 W IRLO BRONSON HWY	34746	AST
KISSIMMEE	1010315742	TRAVELDGE HOTEL	5711 W. IRLO BRONSON MEM HWY	34746	RCRA-CESQG
KISSIMMEE	S107804051	KISSIMMEE MOTROSPORTS	JOHN YOUNG PARKWAY WITHIN THE JOHN YOUNG		NPDES
KISSIMMEE	S107799013	AMSOUTH BANK - SOUTH KISSIMMEE	LOT 2 OF SINGLE CREEK VILLAGE		NPDES
KISSIMMEE	1007844688	AMSOUTH BANK - SOUTH KISSIMMEE	LOT 2 OF SINGLE CREEK VILLAGEO	34741	FINDS
KISSIMMEE	S108172901	GATEWAY STATION AT GATEWAY COMMONS PH. III	NWQ OSCEOLA PKWY AND FLORIDA'S TURNPIKE		NPDES
KISSIMMEE	1009313001	GATEWAY STATION AT GATEWAY COM	NWQ OSCEOLA PKWY AND FLORIDA S	34741	FINDS
KISSIMMEE	1008220662	GATEWAY STATION AT GATEWAY COM	OSCEOLA PARKWAY & FLORIDA S TU	34741	FINDS
KISSIMMEE	S106656457		EAST OSCEOLA PARKWAY		LUST, SPILLS
KISSIMMEE	S107804049	KISSIMMEE FIRE STATION #4	REGATTA BAY BLVD.		NPDES
KISSIMMEE	1008160305	KISSIMMEE FIRE STATION # 4	REGATTA BAY BLVD.	34741	FINDS
KISSIMMEE	A100319325	LIFT STATION 18	0 SCOTT BLVD	34741	AST
KISSIMMEE	S107802336	FLORIDA EYE CLINIC - KISSIMMEE	E SIDE OF CENTRAL AVE, S OF PARK PLACE B		NPDES
KISSIMMEE	1008219498	FLORIDA EYE CLINIC - KISSIMMEE	E SIDE OF CENTRAL AVE, S OF PA	34741	FINDS
KISSIMMEE	S106778665	VICKIE COURT OPEN DUMP	VICKIE COURT	34744	SWF/LF

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
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**RT. 1, BOX 204
KISSIMMEE, FL**

**DEDB S108828231
N/A**

DEDB:

Well Id: 490004801
 Location Method: MMAP
 Florida Id: Not reported
 Latitude: 28.26175
 Longitude: 81.57988
 Well Depth: 0
 Case depth: 0
 Diameter: 0
 Well Type: 43
 Facility Address 2: Not reported
 Facility Zip Ext: Not reported
 Permit #: Not reported

SAMPLE:

-
 Sample Id: 2433484
 Sample Date: 10/30/84
 Project Id: EDB
 Sample Id: 860514102
 Sample Date: 05/21/86
 Project Id: EDB
 Sample Id: 860803007
 Sample Date: 08/05/86
 Project Id: EDB
 Sample Id: 860909502
 Sample Date: 09/09/86
 Project Id: EDB

RESULTS:

-
 Sample ID: 2433484
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0
 Results Qualifier: Undetected
 Units: ug/L
 Sample ID: 860909502
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0
 Results Qualifier: Undetected
 Units: ug/L
 Sample ID: 860803007
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0
 Results Qualifier: O
 Units: ug/L
 Sample ID: 860514102
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0
 Results Qualifier: Undetected
 Units: ug/L

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
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**S.R. 15 (NEAR NORCOOSEE)
KISSIMMEE, FL**

**DEDB S108828216
N/A**

DEDB:
 Well Id: 490001201
 Location Method: MMAP
 Florida Id: Not reported
 Latitude: 28.21870
 Longitude: 81.25150
 Well Depth: 0
 Case depth: 0
 Diameter: 0
 Well Type: 43
 Facility Address 2: Not reported
 Facility Zip Ext: Not reported
 Permit #: Not reported
 SAMPLE:
 Sample Id: 304336
 Sample Date: 08/29/83
 Project Id: EDB
 RESULTS:
 Sample ID: 304336
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0
 Results Qualifier: Undetected
 Units: ug/L

**RT. 2, BOX 74D
KISSIMMEE, FL**

**DEDB S108828227
N/A**

DEDB:
 Well Id: 490003701
 Location Method: MMAP
 Florida Id: Not reported
 Latitude: 28.27478
 Longitude: 81.52857
 Well Depth: 0
 Case depth: 0
 Diameter: 0
 Well Type: 43
 Facility Address 2: Not reported
 Facility Zip Ext: Not reported
 Permit #: Not reported
 SAMPLE:
 Sample Id: 2433498
 Sample Date: 10/30/84
 Project Id: EDB
 Sample Id: 2433852
 Sample Date: 11/27/84
 Project Id: EDB
 RESULTS:
 Sample ID: 2433498
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0
 Results Qualifier: O
 Units: ug/L
 Sample ID: 2433852

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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(Continued)

S108828227

Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0
 Results Qualifier: Undetected
 Units: ug/L

**HWY. 532
 KISSIMMEE, FL**

**DEDB S108828209
 N/A**

DEDB:

Well Id: 490000501
 Location Method: MMAP
 Florida Id: Not reported
 Latitude: 28.26049
 Longitude: 81.59008
 Well Depth: 0
 Case depth: 0
 Diameter: 0
 Well Type: 43
 Facility Address 2: Not reported
 Facility Zip Ext: Not reported
 Permit #: Not reported

SAMPLE:

Sample Id: 304332
 Sample Date: 08/29/83

Project Id: EDB

RESULTS:

Sample ID: 304332
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0
 Results Qualifier: Undetected
 Units: ug/L

**CENTRAL FL PIPELINE-RELEASE
 HWY 535 & POLYNESIAN ISLE RD
 KISSIMMEE, FL**

**UST U004034128
 N/A**

UST:

Facility ID: 9800541
 Facility Phone: Not reported
 Facility Status: CLOSED
 Facility Type: Not reported
 Type Description: Emergency Response Spill Si
 DEP Contrctr Own: No
 Lat/Long (dms): Not reported
 Positioning Method: Not reported

Tank Id: Not reported
 Tank Location: Not reported
 Substance: Not reported
 Content Description: Not reported
 Vessel Indicator: Not reported
 Gallons: Not reported
 Install Date: Not reported
 Status: Not reported
 Status Date: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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CENTRAL FL PIPELINE-RELEASE (Continued)		U004034128
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Construction:
 Construction Category: Not reported
 Construction Description: Not reported

Monitoring:
 Monitoring Description: Not reported

Piping:
 Piping Category: Not reported
 Piping Description: Not reported

KISSIMMEE CITY-WWTP
1616 S BERMUDA AVE
KISSIMMEE, FL 34742

AST S108978924
N/A

AST:
 Facility ID: 9103171
 Facility Phone: (407) 518-2259
 Facility Status: OPEN
 Facility Type: Local Government
 Type Description: Local Government
 DEP Contrctr Own: No
 Lat/Long (dms): 28 16 30 / 81 25 30
 Positioning Method: AGPS

Owner:
 Owner Id: 12085
 Owner Name: TOHO WATER AUTHORITY
 Owner Address: 101 N CHURCH ST
 Owner Address 2: ATTN: CHRIS WILSON
 Owner City,St,Zip: KISSIMMEE, FL 34741
 Owner Contact: CHRIS WILSON
 Owner Phone: (407) 518-2259

Tank Id: 7
 Gallons: 15650
 Tank Location: ABOVEGROUND
 Substance: Z
 Content Description: Other Non Regulated
 Install Date: 01-SEP-2006
 Status: In service
 Status Date: In service

Construction:
 Construction Category: Not reported
 Construction Description: Not reported

Monitoring:
 Monitoring Description: Not reported

Piping:
 Piping Category: Not reported
 Piping Description: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
KISSIMMEE CITY-WWTP (Continued)		S108978924
Tank Id:	6	
Gallons:	17150	
Tank Location:	ABOVEGROUND	
Substance:	Z	
Content Description:	Other Non Regulated	
Install Date:	01-SEP-2006	
Status:	In service	
Status Date:	In service	
Construction:		
Construction Category:	Not reported	
Construction Description:	Not reported	
Monitoring:		
Monitoring Description:	Not reported	
Piping:		
Piping Category:	Not reported	
Piping Description:	Not reported	
Tank Id:	5	
Gallons:	1600	
Tank Location:	ABOVEGROUND	
Substance:	Diesel-emergen generator	
Content Description:	Emerg Generator Diesel	
Install Date:	01-NOV-2004	
Status:	In service	
Status Date:	In service	
Construction:		
Construction Category:	Primary Construction	
Construction Description:	Steel	
Construction Category:	Secondary Containment	
Construction Description:	Double wall	
Monitoring:		
Monitoring Description:	Visual inspection of ASTs	
Monitoring Description:	Monitor tank bottom space	
Monitoring Description:	Annual tightness test/Inventory	
Piping:		
Piping Category:	Primary Construction	
Piping Description:	Steel/galvanized metal	
Piping Category:	Corrosion Protection	
Piping Description:	External protective coating	
Piping Category:	Miscellaneous Attributes	
Piping Description:	Abv, no soil contact	
Tank Id:	4	
Gallons:	2000	
Tank Location:	ABOVEGROUND	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
KISSIMMEE CITY-WWTP (Continued)		S108978924
Substance: Diesel-emergen generator Content Description: Emerg Generator Diesel Install Date: 01-NOV-2004 Status: In service Status Date: In service		
Construction:		
Construction Category: Primary Construction Construction Description: Concrete		
Construction Category: Primary Construction Construction Description: Steel		
Construction Category: Secondary Containment Construction Description: Double wall - tank jacket		
Construction Category: Overfill/Spill Construction Description: Spill containment bucket		
Construction Category: Overfill/Spill Construction Description: Level gauges/alarms		
Monitoring:		
Monitoring Description: Visual inspection of ASTs		
Monitoring Description: Annual tightness test/Inventory		
Monitoring Description: Monitor tank bottom space		
Piping:		
Piping Category: Corrosion Protection Piping Description: External protective coating		
Piping Category: Miscellaneous Attributes Piping Description: Abv, no soil contact		
Piping Category: Primary Construction Piping Description: Steel/galvanized metal		
Tank Id: 3 Gallons: 4000 Tank Location: ABOVEGROUND Substance: Hazardous substance Content Description: Hazardous Substance Install Date: 01-NOV-2004 Status: In service Status Date: In service		
Construction:		
Construction Category: Not reported Construction Description: Not reported		
Monitoring:		
Monitoring Description: Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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KISSIMMEE CITY-WWTP (Continued)

S108978924

Piping:

Piping Category: Not reported
Piping Description: Not reported

Tank Id: 2
Gallons: 12000
Tank Location: ABOVEGROUND
Substance: Z
Content Description: Other Non Regulated
Install Date: 01-MAR-1988
Status: In service
Status Date: In service

Construction:

Construction Category: Not reported
Construction Description: Not reported

Monitoring:

Monitoring Description: Not reported

Piping:

Piping Category: Not reported
Piping Description: Not reported

Tank Id: 1
Gallons: 12000
Tank Location: ABOVEGROUND
Substance: Diesel-emergen generator
Content Description: Emerg Generator Diesel
Install Date: 01-JAN-1987
Status: In service
Status Date: In service

Construction:

Construction Category: Not reported
Construction Description: Not reported

Monitoring:

Monitoring Description: Not reported

Piping:

Piping Category: Not reported
Piping Description: Not reported

KISSIMMEE/SOUTH BERMUDA WRF
1616 SOUTH BERMUDA AVENUE
KISSIMMEE, FL 34741

ICIS 1010573330
N/A

ICIS:

Enforcement Action ID: 04-1997-0579
FRS ID: 110000510956
Program ID: FRS 110000510956
Action Name: KISSIMMEE, FL, CITY OF
Facility Name: KISSIMMEE/SOUTH BERMUDA WRF
Facility Address: 1616 SOUTH BERMUDA AVENUE

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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KISSIMMEE/SOUTH BERMUDA WRF (Continued)		1010573330
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Enforcement Action Type:	KISSIMMEE, Florida 34741
Facility County:	CWA 309 AO For Compliance (Old)
EPA Region #:	OSCEOLA
	4
Program ID:	FRS 110000510956
Facility Name:	KISSIMMEE/SOUTH BERMUDA WRF
Address:	1616 SOUTH BERMUDA AVENUE KISSIMMEE FL 34741
Tribal Indicator:	No
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4952
Program ID:	PCS FLR05B878
Facility Name:	KISSIMMEE/SOUTH BERMUDA WRF
Address:	1616 SOUTH BERMUDA AVENUE KISSIMMEE FL 34741
Tribal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4952
Program ID:	RMP 100000041536
Facility Name:	KISSIMMEE/SOUTH BERMUDA WRF
Address:	1616 SOUTH BERMUDA AVENUE KISSIMMEE FL 34741
Tribal Indicator:	Not reported
Fed Facility:	Not reported
NAIC Code:	Not reported
SIC Code:	4952

**WILLIAMS PIT
BOGGY CREEK ROAD / SR 530
KISSIMMEE, FL 34744**

**SWF/LF S106778667
N/A**

SWF/LF:

Facility ID:	00092570
District:	CD
Lat/Long:	28:20:38.8101 / 81:18:28.1509
Class Type:	OLD DUMP
Class Status:	CLOSED, NO GW MONITORING
Facility Status:	CLOSED, NO GW MONITORING
Section:	4-
Township:	5S-
Range:	0R
Responsible Authority Name:	Not reported
Responsible Authority Address:	Not reported
Responsible Authority City,St,Zip:	Not reported
Responsible Authority Phone:	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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**KISSIMMEE CITY-LS 111
CELEBRATION BLVD
KISSIMMEE, FL 34741**

**AST A100180718
N/A**

AST:

Facility ID: 9803090
 Facility Phone: (407) 847-3770
 Facility Status: OPEN
 Facility Type: Local Government
 Type Description: Local Government
 DEP Contrctr Own: No
 Lat/Long (dms): Not reported
 Positioning Method: Not reported

Owner:

Owner Id: 12085
 Owner Name: TOHO WATER AUTHORITY
 Owner Address: 101 N CHURCH ST
 Owner Address 2: ATTN: CHRIS WILSON
 Owner City,St,Zip: KISSIMMEE, FL 34741
 Owner Contact: CHRIS WILSON
 Owner Phone: (407) 518-2259

Tank Id: 1
 Gallons: 538
 Tank Location: ABOVEGROUND
 Substance: Diesel-emergen generator
 Content Description: Emerg Generator Diesel
 Install Date: 01-FEB-1996
 Status: In service
 Status Date: In service

Construction:

Construction Category: Not reported
 Construction Description: Not reported

Monitoring:

Monitoring Description: Not reported

Piping:

Piping Category: Not reported
 Piping Description: Not reported

**KISSIMMEE US ARMY RESERVE
1111 N CENTRAL AVE
KISSIMMEE, FL 34741**

**FINDS 1004685882
RCRA-CESQG FLR000066738**

RCRA-CESQG:

Date form received by agency: 06/23/2000
 Facility name: KISSIMMEE US ARMY RESERVE
 Facility address: 1111 N CENTRAL AVE
 KISSIMMEE, FL 347414405
 EPA ID: FLR000066738
 Contact: LEIGH JAHNKE
 Contact address: 1650 COREY BLVD
 DECATUR, GA 300324864
 Contact country: US

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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KISSIMMEE US ARMY RESERVE (Continued)		1004685882
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Contact telephone: 4042866332
 Contact email: Not reported
 EPA Region: 04
 Classification: Conditionally Exempt Small Quantity Generator
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
 Owner/operator name: 81ST REG SUPPORT COMMAND
 Owner/operator address: 255 W OXMOOR RD
 BIRMINGHAM, AL 35209
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 05/17/2004
 Owner/Op end date: Not reported

Handler Activities Summary:
 U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No
 Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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KISSIMMEE US ARMY RESERVE (Continued)		1004685882
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and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CITY OF KISSIMMEE 101 CHURCH ST STE 301 KISSIMMEE, FL	NPDES	S108399577 N/A
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WASTEWATER:

Flag: STORM WATER
 District Office: TLST
 Facility ID: FLR04E064
 NPDES Permitted Site: Not reported
 Facility Type: Stormwater - MS4 Phase 2
 Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.
 Facility Address: Not reported
 Owner Type: Any private, non-government organization.
 Permit Capacity: Not reported
 Domestic Water Class: Not reported
 Party Name: Mark Durbin, City Manager
 Company Name: City of Kissimmee
 RP Address: 101 Church St
 RP Address 2: Not reported
 PR City,Stat,Zip: Kissimmee FL 34741-5054
 Telephone: 4075182300
 Email: Not reported
 Issue Date: 9/2/2003
 Expiration Date: 9/1/2008
 DOC Description: Generic Permit
 Treatment: Not reported

CITY OF KISSIMMEE 101 NORTH CHURCH STREETSUITE 3 KISSIMMEE, FL 34741	FINDS	1007127845 110015731449
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FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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**WATSON @ KISSIMMEE
SW CORNER OF US HWY 192
KISSIMMEE, FL**

**NPDES S107810693
N/A**

WASTEWATER:

Flag: STORM WATER
 District Office: TLST
 Facility ID: FLR10R975
 NPDES Permitted Site: Not reported
 Facility Type: Construction Stormwater GP
 Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.
 Facility Address: & Magic Landings
 Owner Type: Any private, non-government organization.
 Permit Capacity: Not reported
 Domestic Water Class: Not reported
 Party Name: John Kurtz, President
 Company Name: Kur-Star Construction, Inc.
 RP Address: 8150 Lone Star Rd
 RP Address 2: Not reported
 PR City,Stat,Zip: Jacksonville FL 32211-5146
 Telephone: 9047216088
 Email: Not reported
 Issue Date: 6/20/2004
 Expiration Date: 6/19/2009
 DOC Description: Generic Permit
 Treatment: Not reported

**WATSON @ KISSIMMEE
SW CORNER OF US HWY 192& MAGIC
KISSIMMEE, FL 34741**

**FINDS 1008159547
110020560203**

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

**KISSIMMEE MIDDLE SCHOOL
2410 DYER BLVD
KISSIMMEE, FL 34741**

**RCRA-CESQG 1010315911
FLR000137794**

RCRA-CESQG:

Date form received by agency: 04/09/2007
 Facility name: KISSIMMEE MIDDLE SCHOOL
 Facility address: 2410 DYER BLVD
 KISSIMMEE, FL 347411501
 EPA ID: FLR000137794
 Contact: MARK CAVINEE
 Contact address: 817 BILL BECK BLVD
 KISSIMMEE, FL 34744
 Contact country: US
 Contact telephone: 4078704898
 Contact email: CAVINEEM@OSCEOLA.K12.FL.US

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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KISSIMMEE MIDDLE SCHOOL (Continued)		1010315911
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EPA Region: 04
 Classification: Conditionally Exempt Small Quantity Generator
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: THE SCHOOL DISTRICT OF OSCEOLA COUNTY
 Owner/operator address: 817 BILL BECK BLVD
 KISSIMMEE, FL 34744
 Owner/operator country: US
 Owner/operator telephone: 4078704600
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 04/09/2007
 Owner/Op end date: Not reported

Owner/operator name: KISSIMMEE MIDDLE SCHOOL
 Owner/operator address: 2410 DYER BLVD
 KISSIMMEE, FL 34741
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: County
 Owner/Operator Type: Operator
 Owner/Op start date: 04/09/2007
 Owner/Op end date: Not reported

Owner/operator name: UNKOWN
 Owner/operator address: Not reported
 32399
 Owner/operator country: Not reported
 Owner/operator telephone: 8502458748
 Legal status: State
 Owner/Operator Type: Operator
 Owner/Op start date: 01/01/2004
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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KISSIMMEE MIDDLE SCHOOL (Continued)		1010315911
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Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No
 Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

KISSIMMEE H.O.M.E. PROJECT END OF MARTIN ST W OF JOHN YOU KISSIMMEE, FL	FINDS	1007844984 110020138368
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FINDS:
 Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

KISSIMMEE H.O.M.E. PROJECT END OF MARTIN ST W OF JOHN YOUNG PKWY KISSIMMEE, FL	NPDES	S107804050 N/A
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WASTEWATER:

Flag: STORM WATER
 District Office: TLST
 Facility ID: FLR10W866
 NPDES Permitted Site: Not reported
 Facility Type: Construction Stormwater GP
 Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.

Facility Address: Not reported
 Owner Type: Any private, non-government organization.
 Permit Capacity: Not reported
 Domestic Water Class: Not reported
 Party Name: Tom Griffin, PMTE
 Company Name: Transition House
 RP Address: 505 N Clyde Ave
 RP Address 2: Not reported
 PR City,Stat,Zip: Kissimmee FL 34741-5167
 Telephone: 4078460068
 Email: Not reported
 Issue Date: 11/5/2004
 Expiration Date: 11/4/2009
 DOC Description: Generic Permit
 Treatment: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
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OSCEOLA CNTY
1698 HOAGLAND BLVD
KISSIMMEE, FL 34741

UST **U004034022**
N/A

UST:

Facility ID: 9046270
 Facility Phone: (407) 892-3110
 Facility Status: CLOSED
 Facility Type: Not reported
 Type Description: County Government
 DEP Contrctr Own: No
 Lat/Long (dms): Not reported
 Positioning Method: Not reported

Owner:

Owner Id: 15993
 Owner Name: OSCEOLA CNTY BOCC
 Owner Address: 110 W NEPTUNE RD
 Owner Address 2: ATTN: FRANK ANDERSON
 Owner City,St,Zip: KISSIMMEE, FL 34741
 Owner Contact: FRANK ANDERSON
 Owner Phone: (407) 962-1310

Tank Id: Not reported
 Tank Location: Not reported
 Substance: Not reported
 Content Description: Not reported
 Vessel Indicator: Not reported
 Gallons: Not reported
 Install Date: Not reported
 Status: Not reported
 Status Date: Not reported

Construction:

Construction Category: Not reported
 Construction Description: Not reported

Monitoring:

Monitoring Description: Not reported

Piping:

Piping Category: Not reported
 Piping Description: Not reported

CITGO MAINGATE
7424 W HWY 192
KISSIMMEE, FL 34746

LUST **S106120790**
N/A

LUST:

Region: STATE
 Facility Id: 8513669
 2nd Facility Addr: Not reported
 District: Central District
 Facility Status: OPEN
 Facility Type: A - Retail Station -
 Operator: LONG HSU
 Facility Phone: (407) 396-2721

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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CITGO MAINGATE (Continued)

S106120790

Name Update: 10-21-2003
 Address Update: 10-21-2003
 Lat/Long (dms): 28 19 54.9919999 / 81 35 12.7289999
 Feature: Not reported
 Method: AGPS
 Datum: 0
 Section: 011
 Township: 25S
 Range: 27E
 Score: Not reported
 Score Effective Date: Not reported
 Score When Ranked: Not reported
 Facility Cleanup Rank: Not reported

Discharge Cleanup Summary:

Discharge Date: 11-28-1988
 Pct Discharge Combined With: Not reported
 Cleanup Required: N - NO CLEANUP REQUIRED
 Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED
 Disch Cleanup Status Date: 05-29-2001
 Cleanup Work Status: COMPLETED
 Information Source: E - EDI
 Other Source Description: Not reported
 Eligibility Indicator: I
 Site Manager: Not reported
 Site Mgr End Date: Not reported
 Tank Office: -

Petroleum Cleanup Program Eligibility:

Facility ID: Not reported
 Discharge Date: Not reported
 Pct Discharge Combined With: Not reported
 Cleanup Required: Not reported
 Discharge Cleanup Status: Not reported
 Disch Cleanup Status Date: Not reported
 Cleanup Work Status: Not reported
 Information Source: Not reported
 Other Source Description: Not reported
 Application Received Date: Not reported
 Cleanup Program: Not reported
 Eligibility Status: Not reported
 Elig Status Date: Not reported
 Letter Of Intent Date: Not reported
 Redetermined: Not reported
 Inspection Date: Not reported
 Site Manager: Not reported
 Site Mgr End Date: Not reported
 Tank Office: Not reported
 Deductible Amount: Not reported
 Deductible Paid To Date: Not reported
 Co-Pay Amount: Not reported
 Co-Pay Paid To Date: Not reported
 Cap Amount: Not reported

Contaminated Media:

Discharge Date: 11-28-1988
 Pct Discharge Combined With: Not reported
 Cleanup Required: N - NO CLEANUP REQUIRED

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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CITGO MAINGATE (Continued)

S106120790

Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED
 Disch Cleanup Status Date: 05-29-2001
 Cleanup Work Status: COMPLETED
 Information Source: E - EDI
 Other Source Description: Not reported
 Elig Indicator: I - INELIGIBLE
 Site Manager: Not reported
 Site Mgr End Date: Not reported
 Tank Office: -
 Contaminated Drinking Wells: Not reported
 Contaminated Monitoring Well: Not reported
 Contaminated Soil: Not reported
 Contaminated Surface Water: Not reported
 Contaminated Ground Water: Not reported
 Pollutant: Y - UNKNOWN/NOT REPORTED
 Pollutant Other Description: Not reported
 Gallons Discharged: Not reported

Task Information:

District: CD
 Facility ID: 8513669
 Facility Status: OPEN
 Facility Type: A - Retail Station - Retail Station
 Discharge Date: 11-28-1988
 Pct Discharge Combined With: Not reported
 Cleanup Required: N - NO CLEANUP REQUIRED
 Discharge Cleanup Status: NREQ - CLEANUP NOT REQUIRED
 Disch Cleanup Status Date: 05-29-2001
 Cleanup Work Status: COMPLETED
 Eligibility Indicator: I
 Site Manager: Not reported
 Site Mgr End Date: Not reported
 Tank Office: -
 SR Task ID: Not reported
 SR Cleanup Responsible: -
 SR Funding Elig Type: -
 SR Actual Cost: Not reported
 SR Actual Completion Date: Not reported
 SR Payment Date: Not reported
 SR Oral Date: Not reported
 SR Written Date: Not reported
 Soil Removal: Not reported
 Free Product Removal: Not reported
 Soil Tonnage Removed: Not reported
 Soil Treatment: Not reported
 Other Treatment: Not reported
 SR Alt Procedure Recieved: Not reported
 SR Alt Procedure Status: Not reported
 SR Alt Procedure Status Date: Not reported
 SR Alt Procedure Comments: Not reported
 SA ID: 22519
 SA Cleanup Responsible: ST - STATE
 SA Funding Elig Type: -
 SA Actual Cost: Not reported
 SA Actual Completion Date: Not reported
 SA Payment Date: Not reported
 RAP Task ID: 22520

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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CITGO MAINGATE (Continued)		S106120790
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RAP Cleanup Responsible ID: ST - STATE
 RAP Funding Elig Type: -
 RAP Actual Cost: Not reported
 RAP Actual Completion Date: Not reported
 RAP Payment Date: Not reported
 RAP Last Order Approved: Not reported
 RA Task ID: 22521
 RA Cleanup Responsible: ST - STATE
 RA Funding Elig Type: -
 Ra Years to Complete: Not reported
 RA Actual Cost: Not reported
 SRC Action Type: -
 SRC Submit Date: Not reported
 SRC Review Date: Not reported
 SRC Completion Status: -
 SRC Completion Status Date: Not reported
 SRC Issue Date: Not reported
 SRC Comment: Not reported

**SHELL STATION/W IRLO BRONSON H
 4692 W IRLO BRONSON HWY
 KISSIMMEE, FL 34741**

**FINDS 1007844614
 110020134512**

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

**KISSIMMEE GO KARTS INC
 4708 W IRLO BRONSON HWY
 KISSIMMEE, FL 34746**

**AST A100267351
 N/A**

AST:

Facility ID: 9103253
 Facility Phone: (407) 390-7223
 Facility Status: OPEN
 Facility Type: Fuel User / Non-retail
 Type Description: Fuel user/Non-retail
 DEP Contrctr Own: No
 Lat/Long (dms): 28 19 26 / 81 28 35
 Positioning Method: AGPS

Owner:

Owner Id: 56640
 Owner Name: KISSIMMEE GO KARTS INC
 Owner Address: 4708 W IRLO BRONSON HWY
 Owner Address 2: ATTN: TIM CLARK
 Owner City,St,Zip: KISSIMMEE, FL 34746
 Owner Contact: TIM CLARK
 Owner Phone: (407) 855-7741

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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KISSIMMEE GO KARTS INC (Continued)		A100267351
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Tank Id: 1
 Gallons: 1000
 Tank Location: ABOVEGROUND
 Substance: Unleaded gas
 Content Description: Unleaded Gas
 Install Date: 01-SEP-1991
 Status: In service
 Status Date: In service

Construction:
 Construction Category: Primary Construction
 Construction Description: Steel

Monitoring:
 Monitoring Description: External piping monitoring

Piping:
 Piping Category: Miscellaneous Attributes
 Piping Description: Abv, no soil contact

TRAVELODGE HOTEL 5711 W. IRLO BRONSON MEM HWY KISSIMMEE, FL 34746	RCRA-CESQG	1010315742 FLR000136044
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RCRA-CESQG:
 Date form received by agency: 02/27/2007
 Facility name: TRAVELODGE HOTEL
 Facility address: 5711 W. IRLO BRONSON MEM HWY
 KISSIMMEE, FL 34746
 EPA ID: FLR000136044
 Contact: ED KORTUM
 Contact address: 5711 W. US 192
 KISSIMMEE, FL 34746
 Contact country: US
 Contact telephone: 4073964222
 Contact email: Not reported
 EPA Region: 04
 Land type: Private
 Classification: Conditionally Exempt Small Quantity Generator
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
------	-------------	--------------------------------

TRAVELODGE HOTEL (Continued)

1010315742

Owner/operator name: TRAVELODGE HOTEL
 Owner/operator address: 5711 US 192
 KISSIMMEE, FL 34746
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Operator
 Owner/Op start date: 02/27/2007
 Owner/Op end date: Not reported

Owner/operator name: EASTGATE HOSPITALITY INVESTORS LLC
 Owner/operator address: 5847 SAN FELIPE SUITE 4650
 HOUSTON, TX 77057
 Owner/operator country: US
 Owner/operator telephone: Not reported
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: 02/27/2007
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No
 Off-site waste receiver: Commercial status unknown

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/27/2007
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
 Area of violation: Not reported
 Date achieved compliance: Not reported
 Evaluation lead agency: State

**KISSIMMEE MOTROSPORTS
 JOHN YOUNG PARKWAY WITHIN THE JOHN YOUNG
 KISSIMMEE, FL**

**NPDES S107804051
 N/A**

WASTEWATER:

Flag: STORM WATER
 District Office: TLST
 Facility ID: FLR10Y532
 NPDES Permitted Site: Not reported
 Facility Type: Construction Stormwater GP

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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KISSIMMEE MOTROSPORTS (Continued)		S107804051
-----------------------------------	--	------------

Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.

Facility Address: Business Park

Owner Type: Any private, non-government organization.

Permit Capacity: Not reported

Domestic Water Class: Not reported

Party Name: Bobby McClellan, PMTE

Company Name: Not reported

RP Address: 2632 N Orange Blossom Trl

RP Address 2: Not reported

PR City,Stat,Zip: Kissimmee FL 34744-1888

Telephone: 4078476686

Email: Not reported

Issue Date: 1/15/2005

Expiration Date: 1/14/2010

DOC Description: Generic Permit

Treatment: Not reported

AMSOUTH BANK - SOUTH KISSIMMEE LOT 2 OF SINGLE CREEK VILLAGE KISSIMMEE, FL	NPDES	S107799013 N/A
---	--------------	---------------------------

WASTEWATER:

Flag: STORM WATER

District Office: TLST

Facility ID: FLR10T687

NPDES Permitted Site: Not reported

Facility Type: Construction Stormwater GP

Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.

Facility Address: Out-Parcel To The Shoppes Of Kissimmee S

Owner Type: Any private, non-government organization.

Permit Capacity: Not reported

Domestic Water Class: Not reported

Party Name: Gregory Harris, PMTE

Company Name: Amsouth Bank

RP Address: 3000 Riverchase Galleria Ste 1600

RP Address 2: Not reported

PR City,Stat,Zip: Birmingham AL 35244-2372

Telephone: 2055602484

Email: Not reported

Issue Date: 8/11/2004

Expiration Date: 8/10/2009

DOC Description: Generic Permit

Treatment: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
------	-------------	--------------------------------

**AMSOUTH BANK - SOUTH KISSIMMEE
LOT 2 OF SINGLE CREEK VILLAGEO
KISSIMMEE, FL 34741**

**FINDS 1007844688
110020135405**

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

**GATEWAY STATION AT GATEWAY COMMONS PH. III
NWQ OSCEOLA PKWY AND FLORIDA'S TURNPIKE
KISSIMMEE, FL**

**NPDES S108172901
N/A**

WASTEWATER:

Flag: STORM WATER
 District Office: TLST
 Facility ID: FLR10DX31
 NPDES Permitted Site: Not reported
 Facility Type: Construction Stormwater GP
 Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.
 Facility Address: Not reported
 Owner Type: Unknown ownership.
 Permit Capacity: Not reported
 Domestic Water Class: Not reported
 Party Name: Jonathan D Moody, PMTE
 Company Name: P & N Kissimmee I LLC
 RP Address: 421 Office Park Dr
 RP Address 2: Not reported
 PR City,Stat,Zip: Birmingham AL 35223
 Telephone: 7278474466
 Email: Not reported
 Issue Date: 10/9/2006
 Expiration Date: 10/8/2011
 DOC Description: Generic Permit
 Treatment: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
------	-------------	--------------------------------

**GATEWAY STATION AT GATEWAY COM
NWQ OSCEOLA PKWY AND FLORIDA S
KISSIMMEE, FL 34741**

**FINDS 1009313001
110027369041**

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

**GATEWAY STATION AT GATEWAY COM
OSCEOLA PARKWAY & FLORIDA S TU
KISSIMMEE, FL 34741**

**FINDS 1008220662
110022412021**

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

**EAST OSCEOLA PARKWAY
KISSIMMEE, FL**

**LUST S106656457
SPILLS N/A**

LUST:

Region: STATE
 Facility Id: 9806880
 2nd Facility Addr: Not reported
 District: Central District
 Facility Status: CLOSED
 Facility Type: Q - Emergency Response Spill Site -
 Operator: Not reported
 Facility Phone: Not reported
 Name Update: 10-14-2004
 Address Update: Not reported
 Lat/Long (dms): 26 7 37 / 87 12 20
 Feature: Not reported
 Method: Not reported
 Datum: Not reported
 Section: Not reported
 Township: Not reported
 Range: Not reported
 Score: Not reported
 Score Effective Date: Not reported
 Score When Ranked: Not reported
 Facility Cleanup Rank: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
------	-------------	--------------------------------

(Continued)

S106656457

Discharge Cleanup Summary:

Discharge Date: 03-01-2003
 Pct Discharge Combined With: Not reported
 Cleanup Required: R - CLEANUP REQUIRED
 Discharge Cleanup Status: NFA - NFA COMPLETE
 Disch Cleanup Status Date: 04-15-2005
 Cleanup Work Status: COMPLETED
 Information Source: R - EMERGENCY RESPONSE REPORT
 Other Source Description: BER
 Eligibility Indicator: I
 Site Manager: WHITE_CL
 Site Mgr End Date: 04-11-2005
 Tank Office: PCLP48 - Orange County

Petroleum Cleanup Program Eligibility:

Facility ID: Not reported
 Discharge Date: Not reported
 Pct Discharge Combined With: Not reported
 Cleanup Required: Not reported
 Discharge Cleanup Status: Not reported
 Disch Cleanup Status Date: Not reported
 Cleanup Work Status: Not reported
 Information Source: Not reported
 Other Source Description: Not reported
 Application Received Date: Not reported
 Cleanup Program: Not reported
 Eligibility Status: Not reported
 Elig Status Date: Not reported
 Letter Of Intent Date: Not reported
 Redetermined: Not reported
 Inspection Date: Not reported
 Site Manager: Not reported
 Site Mgr End Date: Not reported
 Tank Office: Not reported
 Deductible Amount: Not reported
 Deductible Paid To Date: Not reported
 Co-Pay Amount: Not reported
 Co-Pay Paid To Date: Not reported
 Cap Amount: Not reported

Contaminated Media:

Discharge Date: 03-01-2003
 Pct Discharge Combined With: Not reported
 Cleanup Required: R - CLEANUP REQUIRED
 Discharge Cleanup Status: NFA - NFA COMPLETE
 Disch Cleanup Status Date: 04-15-2005
 Cleanup Work Status: COMPLETED
 Information Source: R - EMERGENCY RESPONSE REPORT
 Other Source Description: BER
 Elig Indicator: I - INELIGIBLE
 Site Manager: WHITE_CL
 Site Mgr End Date: 04-11-2005
 Tank Office: PCLP48 - Orange County
 Contaminated Drinking Wells: Not reported
 Contaminated Monitoring Well: No
 Contaminated Soil: Yes
 Contaminated Surface Water: No

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
(Continued)		S106656457
Contaminated Ground Water: No Pollutant: D - VEHICULAR DIESEL Pollutant Other Description: TRAFFIC ACCIDENT Gallons Discharged: 40		
Task Information:		
District: CD Facility ID: 9806880 Facility Status: CLOSED Facility Type: Q - Emergency Response Spill Site - Emergency Response Spill Site Discharge Date: 03-01-2003 Pct Discharge Combined With: Not reported Cleanup Required: R - CLEANUP REQUIRED Discharge Cleanup Status: NFA - NFA COMPLETE Disch Cleanup Status Date: 04-15-2005 Cleanup Work Status: COMPLETED Eligibility Indicator: I Site Manager: WHITE_CL Site Mgr End Date: 04-11-2005 Tank Office: PCLP48 - Orange County SR Task ID: Not reported SR Cleanup Responsible: - SR Funding Elig Type: - SR Actual Cost: Not reported SR Actual Completion Date: Not reported SR Payment Date: Not reported SR Oral Date: Not reported SR Written Date: Not reported Soil Removal: Not reported Free Product Removal: Not reported Soil Tonnage Removed: Not reported Soil Treatment: Not reported Other Treatment: Not reported SR Alt Procedure Recieved: Not reported SR Alt Procedure Status: Not reported SR Alt Procedure Status Date: Not reported SR Alt Procedure Comments: Not reported SA ID: 75576 SA Cleanup Responsible: - SA Funding Elig Type: - SA Actual Cost: Not reported SA Actual Completion Date: Not reported SA Payment Date: Not reported RAP Task ID: Not reported RAP Cleanup Responsible ID: - RAP Funding Elig Type: - RAP Actual Cost: Not reported RAP Actual Completion Date: Not reported RAP Payment Date: Not reported RAP Last Order Approved: Not reported RA Task ID: 75989 RA Cleanup Responsible: - RA Funding Elig Type: - Ra Years to Complete: 0 RA Actual Cost: Not reported SRC Action Type: NFA - NO FURTHER ACTION SRC Submit Date: 02-17-2005		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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(Continued)

S106656457

SRC Review Date: 02-21-2005
 SRC Completion Status: A - APPROVED
 SRC Completion Status Date: 02-22-2005
 SRC Issue Date: 04-06-2005
 SRC Comment: Not reported

SPILLS:

OHMIT Incident Number: 25714
 Incident Number: 04-11-3248Z
 On-Scene Response: No
 Criminal Indicator: No
 Hurricane Indicator: No
 Incident Date: 10/20/2004
 Incident Status: Closed
 Pollutant: Not reported
 Pollutants Category: Not reported
 Substance Spilled: Not reported
 Amount Spilled (Gallons): Not reported

Incident Party Name: Not reported
 Description: Not reported

**KISSIMMEE FIRE STATION #4
 REGATTA BAY BLVD.
 KISSIMMEE, FL**

**NPDES S107804049
 N/A**

WASTEWATER:

Flag: STORM WATER
 District Office: TLST
 Facility ID: FLR100252
 NPDES Permitted Site: Not reported
 Facility Type: Construction Stormwater GP
 Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.
 Facility Address: Not reported
 Owner Type: Any private, non-government organization.
 Permit Capacity: Not reported
 Domestic Water Class: Not reported
 Party Name: Robert King, PMTE
 Company Name: City of Kissimmee
 RP Address: 200 W Dakin Ave
 RP Address 2: Not reported
 PR City,Stat,Zip: Kissimmee FL 34741-5065
 Telephone: 4075182222
 Email: Not reported
 Issue Date: 12/13/2003
 Expiration Date: 12/12/2008
 DOC Description: Generic Permit
 Treatment: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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**KISSIMMEE FIRE STATION # 4
REGATTA BAY BLVD.
KISSIMMEE, FL 34741**

**FINDS 1008160305
110020539256**

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

**LIFT STATION 18
0 SCOTT BLVD
KISSIMMEE, FL 34741**

**AST A100319325
N/A**

AST:

Facility ID: 9810232
Facility Phone: (407) 518-2160
Facility Status: OPEN
Facility Type: Local Government
Type Description: Local Government
DEP Contrctr Own: No
Lat/Long (dms): Not reported
Positioning Method: Not reported

Owner:

Owner Id: 12085
Owner Name: TOHO WATER AUTHORITY
Owner Address: 101 N CHURCH ST
Owner Address 2: ATTN: CHRIS WILSON
Owner City,St,Zip: KISSIMMEE, FL 34741
Owner Contact: CHRIS WILSON
Owner Phone: (407) 518-2259

Tank Id: 1
Gallons: 1700
Tank Location: ABOVEGROUND
Substance: Diesel-emergen generator
Content Description: Emerg Generator Diesel
Install Date: 01-DEC-2007
Status: In service
Status Date: In service

Construction:

Construction Category: Overfill/Spill
Construction Description: Level gauges/alarms

Construction Category: Overfill/Spill
Construction Description: Spill containment bucket

Construction Category: Primary Construction
Construction Description: Steel

Construction Category: Secondary Containment
Construction Description: Double wall

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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LIFT STATION 18 (Continued)		A100319325
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Monitoring:

Monitoring Description: External piping monitoring

Monitoring Description: Visual inspection of ASTs

Monitoring Description: Monitor tank bottom space

Monitoring Description: Monitor dbl wall tank space

Piping:

Piping Category: Miscellaneous Attributes

Piping Description: Abv, no soil contact

Piping Category: Primary Construction

Piping Description: Steel/galvanized metal

FLORIDA EYE CLINIC - KISSIMMEE E SIDE OF CENTRAL AVE, S OF PARK PLACE B KISSIMMEE, FL	NPDES	S107802336 N/A
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WASTEWATER:

Flag: STORM WATER

District Office: TLST

Facility ID: FLR10AJ21

NPDES Permitted Site: Not reported

Facility Type: Construction Stormwater GP

Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.

Facility Address: Not reported

Owner Type: Any private, non-government organization.

Permit Capacity: Not reported

Domestic Water Class: Not reported

Party Name: Genevieve Parm, PMTE

Company Name: Central Avenue Partners

RP Address: 160 Boston Ave

RP Address 2: Not reported

PR City,Stat,Zip: Altamonte Springs FL 32701-4706

Telephone: 4078347776

Email: Not reported

Issue Date: 4/30/2005

Expiration Date: 4/29/2010

DOC Description: Generic Permit

Treatment: Not reported

FLORIDA EYE CLINIC - KISSIMMEE E SIDE OF CENTRAL AVE, S OF PA KISSIMMEE, FL 34741	FINDS	1008219498 110022415581
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FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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FLORIDA EYE CLINIC - KISSIMMEE (Continued)		1008219498
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Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

VICKIE COURT OPEN DUMP VICKIE COURT KISSIMMEE, FL 34744	SWF/LF	S106778665 N/A
--	---------------	---------------------------------

SWF/LF:

Facility ID: 00092575
 District: CD
 Lat/Long: 28:18:.0297 / 81:19:32.2688
 Class Type: OLD DUMP
 Class Status: CLEANUP, WASTE REMOVED
 Facility Status: CLEANUP, WASTE REMOVED
 Section: 20
 Township: 25T
 Range: 30E
 Responsible Authority Name: Not reported
 Responsible Authority Address: Not reported
 Responsible Authority City,St,Zip: Not reported
 Responsible Authority Phone: Not reported

APPENDIX G2
SAINT CLOUD ANNEX

St. Cloud (Kissimmee) Annex

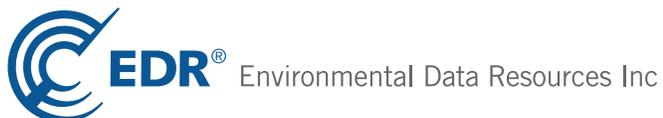
4175 Edsel Avenue

Saint Cloud, FL 34772

Inquiry Number: 2276768.2s

July 24, 2008

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

4175 EDSEL AVENUE
SAINT CLOUD, FL 34772

COORDINATES

Latitude (North): 28.166520 - 28° 9' 59.5"
Longitude (West): 81.271560 - 81° 16' 17.6"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 473340.1
UTM Y (Meters): 3115506.2
Elevation: 64 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 28081-B3 SAINT CLOUD SOUTH, FL
Most Recent Revision: 1980

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL LIENS..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
LIENS 2..... CERCLA Lien Information
CORRACTS..... Corrective Action Report
RCRA-TSDF..... RCRA - Transporters, Storage and Disposal
RCRA-LQG..... RCRA - Large Quantity Generators

EXECUTIVE SUMMARY

RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
RCRA-NonGen	RCRA - Non Generators
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	Florida's State-Funded Action Sites
SWF/LF	Solid Waste Facility Database
LUST	PCT01 - Petroleum Contamination Detail Report
UST	STI02 - Facility/Owner/Tank Report
AST	STI02 - Facility/Owner/Tank Report
FI Sites	Sites List
SPILLS	Oil and Hazardous Materials Incidents
ENG CONTROLS	Institutional Controls Registry
INST CONTROL	Institutional Controls Registry
VCP	Voluntary Cleanup Sites
DRYCLEANERS	Drycleaning Facilities
PRIORITYCLEANERS	Priority Ranking List
BROWNFIELDS	Brownfield Areas
NPDES	Wastewater Facility Regulation Database
AIRS	Permitted Facilities Listing
FL Cattle Dip. Vats	Cattle Dipping Vats
TIER 2	Tier 2 Facility Listing

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
----------------------	---------------------

EXECUTIVE SUMMARY

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land
INDIAN VCP..... Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE AND LOCAL RECORDS

DEDB: Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

A review of the DEDB list, as provided by EDR, and dated 02/12/2008 has revealed that there are 2 DEDB sites within approximately 0.5 miles of the target property.

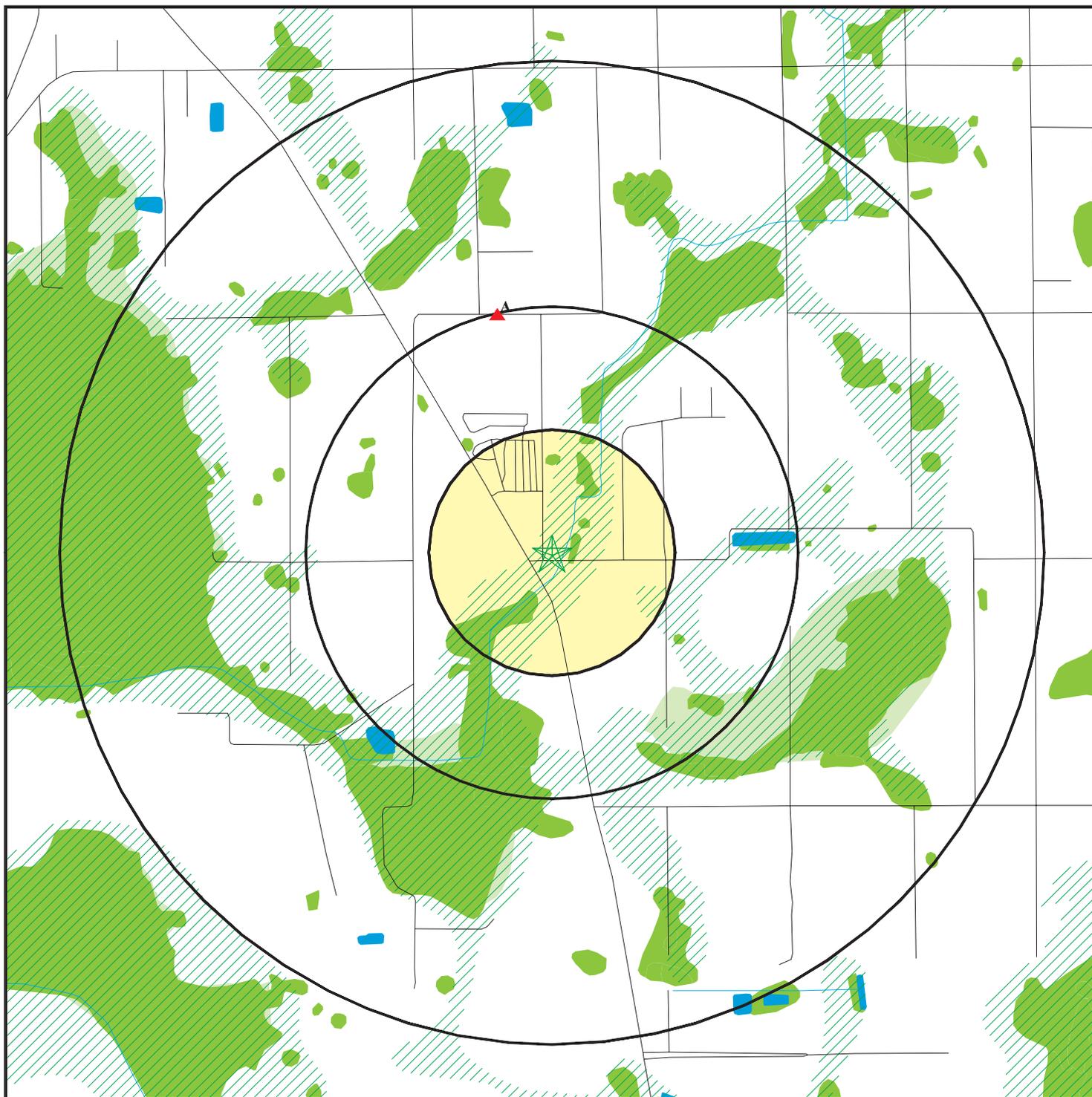
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	4170 POW MIA MEMORIAL	1/4 - 1/2N	A1	6
Not reported	4165 POW-MIA MEMORIAL	1/4 - 1/2NNW	A2	6

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
ST. CLOUD LANDFILL, CLASS I	SWF/LF
CROTTY'S UNLIMITED INC 03-11-3122	LUST
PHOENIX TRANSPORT & SERVICES 02-11	LUST
CROTTY'S UNLIMITED INC 03-11-3122	UST
PHOENIX TRANSPORT & SERVICES 02-11	UST
OUC ST CLOUD TRANSMISSION LINE	FINDS
ST CLOUD COLONIAL BANK	FINDS
OUC ST CLOUD SOUTH SUBSTATION	FINDS
EWELL/ST CLOUD	FINDS
CITY OF ST CLOUD WATER TREATME	FINDS
ST CLOUD GOLF COURSE MAINTENAN	FINDS
ST CLOUD VILLAS - PHASE 2	NPDES
RINKER MATERIALS/ST CLOUD	NPDES
LAKESHORE STORM WATER IMPROVEMENTS	NPDES
ST CLOUD SOUTHSIDE #2 WWTF	NPDES
DAVIS SUPPLY - SAINT CLOUD	TIER 2

OVERVIEW MAP - 2276768.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- ▲ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- FL Brownfield

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: St. Cloud (Kissimmee) Annex
 ADDRESS: 4175 Edsel Avenue
 Saint Cloud FL 34772
 LAT/LONG: 28.1665 / 81.2716

CLIENT: URS Corporation
 CONTACT: Jamie Sullivan
 INQUIRY #: 2276768.2s
 DATE: July 24, 2008 12:56 pm

DETAIL MAP - 2276768.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- FL Brownfield

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SITE NAME: St. Cloud (Kissimmee) Annex
 ADDRESS: 4175 Edsel Avenue
 Saint Cloud FL 34772
 LAT/LONG: 28.1665 / 81.2716

CLIENT: URS Corporation
 CONTACT: Jamie Sullivan
 INQUIRY #: 2276768.2s
 DATE: July 24, 2008 12:56 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
SHWS		1.000	0	0	0	0	NR	0
SWF/LF		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FI Sites		1.000	0	0	0	0	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
PRIORITYCLEANERS		0.500	0	0	0	NR	NR	0
DEDB		0.500	0	0	2	NR	NR	2
BROWNFIELDS		0.500	0	0	0	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
FL Cattle Dip. Vats		0.500	0	0	0	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A1
North **4170 POW MIA MEMORIAL**
1/4-1/2 **ST CLOUD, FL**
0.492 mi.
2599 ft. **Site 1 of 2 in cluster A**

DEDB **S108643639**
 N/A

Relative: **DEDB:**
Higher Well Id: 490013401
 Location Method: DGPS
Actual: Florida Id: AAI2843
73 ft. Latitude: 28.17314
 Longitude: 81.27339
 Well Depth: 0
 Case depth: 0
 Diameter: 0
 Well Type: 43
 Facility Address 2: Not reported
 Facility Zip Ext: Not reported
 Permit #: Not reported
 SAMPLE: -
 Sample Id: 040921-039
 Sample Date: 09/20/04
 Project Id: SUPER
 RESULTS: -
 Sample ID: 040921-039
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0.25
 Result Qualifier: Undetected
 Units: ug/L

A2
NNW **4165 POW-MIA MEMORIAL**
1/4-1/2 **ST CLOUD, FL**
0.497 mi.
2626 ft. **Site 2 of 2 in cluster A**

DEDB **S108643636**
 N/A

Relative: **DEDB:**
Higher Well Id: 490011101
 Location Method: DGPS
Actual: Florida Id: AAI2844
73 ft. Latitude: 28.17402
 Longitude: 81.27205
 Well Depth: 0
 Case depth: 0
 Diameter: 0
 Well Type: 43
 Facility Address 2: Not reported
 Facility Zip Ext: Not reported
 Permit #: Not reported
 SAMPLE: -
 Sample Id: 040324-099
 Sample Date: 03/23/04
 Project Id: SUPER
 RESULTS: -
 Sample ID: 040324-099
 Chemical Name: ETHYLENE DIBROMIDE (EDB)
 Value: 0.37
 Result Qualifier: Undetected
 Units: ug/L

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAINT CLOUD	S106785215	CROTTY'S UNLIMITED INC 03-11-3122	SR 15 / 10TH ST		LUST
SAINT CLOUD	U004034190	CROTTY'S UNLIMITED INC 03-11-3122	SR 15 & 10TH ST		UST
SAINT CLOUD	S108069443	ST CLOUD VILLAS - PHASE 2	4300 FORGET ME NOT CT		NPDES
SAINT CLOUD	S106814747	RINKER MATERIALS/ST CLOUD	HICKORY TREE RD		NPDES
SAINT CLOUD	S107717414	DAVIS SUPPLY - SAINT CLOUD	2100 HICKORY TREE ROAD	34772	TIER 2
SAINT CLOUD	S108668370	LAKESHORE STORM WATER IMPROVEMENTS	LAKESHORE BLVD		NPDES
SAINT CLOUD	S105955896	ST CLOUD SOUTHSIDE #2 WWTF	5701 MICHIGAN AVENUE		NPDES
SAINT CLOUD	S105966197	PHOENIX TRANSPORT & SERVICES 02-11	4 MILES S OF ALLIGATOR INN ON		LUST
SAINT CLOUD	U004034170	PHOENIX TRANSPORT & SERVICES 02-11	4 MILES S OF ALLIGATOR INN ON		UST
ST CLOUD	S107939422	ST. CLOUD LANDFILL, CLASS I	BUDINGER / 17TH STREET	34772	SWF/LF
ST CLOUD	1008173569	OUC ST CLOUD TRANSMISSION LINE	CANOE CREEK RD S, DEER RUN RD	34772	FINDS
ST CLOUD	1010497674	ST CLOUD COLONIAL BANK	SE CORNER OF HICKORY TREE RD &	34772	FINDS
ST CLOUD	1008155596	OUC ST CLOUD SOUTH SUBSTATION	INTERSECTION OF COUNTY ROADS E	34772	FINDS
ST CLOUD	1005691780	EWELL/ST CLOUD	4820 E IRLO BRONSON MEMORIAL P	34772	FINDS
ST CLOUD	1010491563	CITY OF ST CLOUD WATER TREATME	KISSIMMEE PARK ROAD	34772	FINDS
ST CLOUD	1009438803	ST CLOUD GOLF COURSE MAINTENAN	5310 MICHIGAN AVE	34772	FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 04/28/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/28/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/19/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/08/2008	Source: EPA
Date Data Arrived at EDR: 04/25/2008	Telephone: 703-412-9810
Date Made Active in Reports: 05/21/2008	Last EDR Contact: 07/22/2008
Number of Days to Update: 26	Next Scheduled EDR Contact: 09/15/2008
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 06/17/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/15/2008
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/07/2008	Telephone: 202-564-6023
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/26/2008	Source: EPA
Date Data Arrived at EDR: 04/02/2008	Telephone: 800-424-9346
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 06/02/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/06/2008
Date Data Arrived at EDR: 03/06/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 05/21/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/04/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/04/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 04/22/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 07/21/2008
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/16/2008	Telephone: 202-366-4555
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 07/15/2008
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/13/2008
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 02/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 02/27/2008	Telephone: 202-366-4595
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 05/28/2008
Number of Days to Update: 22	Next Scheduled EDR Contact: 08/25/2008
	Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/27/2008
Next Scheduled EDR Contact: 09/22/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/01/2008
Date Data Arrived at EDR: 04/30/2008
Date Made Active in Reports: 05/30/2008
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 07/15/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/09/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 08/31/2007
Date Made Active in Reports: 10/11/2007
Number of Days to Update: 41

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/30/2008
Next Scheduled EDR Contact: 09/29/2008
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 06/09/2008
Next Scheduled EDR Contact: 09/08/2008
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/08/2008
Date Data Arrived at EDR: 04/25/2008
Date Made Active in Reports: 05/30/2008
Number of Days to Update: 35

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/21/2008
Next Scheduled EDR Contact: 10/20/2008
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/14/2008
Date Data Arrived at EDR: 01/22/2008
Date Made Active in Reports: 01/30/2008
Number of Days to Update: 8

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/30/2008
Next Scheduled EDR Contact: 09/29/2008
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 06/23/2008
Next Scheduled EDR Contact: 09/22/2008
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/07/2008
Date Data Arrived at EDR: 03/26/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/25/2008
Next Scheduled EDR Contact: 09/22/2008
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/14/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/11/2008
Date Data Arrived at EDR: 04/24/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 27

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/11/2008
Date Data Arrived at EDR: 04/24/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 27

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/14/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 03/18/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/14/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 06/20/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/22/2008
Date Data Arrived at EDR: 05/06/2008
Date Made Active in Reports: 06/09/2008
Number of Days to Update: 34

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/30/2008
Next Scheduled EDR Contact: 09/29/2008
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/29/2008
Date Data Arrived at EDR: 05/01/2008
Date Made Active in Reports: 05/21/2008
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 05/01/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/03/2008	Source: EPA
Date Data Arrived at EDR: 04/08/2008	Telephone: (404) 562-9900
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 06/11/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/08/2008
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Florida's State-Funded Action Sites

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 01/22/2008	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/19/2008	Telephone: 850-488-0190
Date Made Active in Reports: 03/28/2008	Last EDR Contact: 06/20/2008
Number of Days to Update: 9	Next Scheduled EDR Contact: 09/15/2008
	Data Release Frequency: Semi-Annually

SWF/LF: Solid Waste Facility Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/12/2008	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/13/2008	Telephone: 850-922-7121
Date Made Active in Reports: 06/27/2008	Last EDR Contact: 05/13/2008
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/11/2008
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: PCT01 - Petroleum Contamination Detail Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/01/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 06/27/2008
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

UST: STI02 - Facility/Owner/Tank Report

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/01/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 06/30/2008
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

AST: STI02 - Facility/Owner/Tank Report

Registered Aboveground Storage Tanks.

Date of Government Version: 05/01/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 06/30/2008
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: 850-245-8839
Last EDR Contact: 05/28/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Quarterly

FL SITES: Sites List

This summary status report was developed from a number of lists including the Eckhardt list, the Moffitt list, the EPA Hazardous Waste Sites list, EPA's Emergency & Remedial Response information System list (RCRA Section 3012) & existing department lists such as the obsolete uncontrolled Hazardous Waste Sites list. This list is no longer updated.

Date of Government Version: 12/31/1989
Date Data Arrived at EDR: 05/09/1994
Date Made Active in Reports: 08/04/1994
Number of Days to Update: 87

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 03/24/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS: Oil and Hazardous Materials Incidents

Statewide oil and hazardous materials inland incidents.

Date of Government Version: 05/03/2008
Date Data Arrived at EDR: 05/06/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 6

Source: Department of Environmental Protection
Telephone: 850-488-2974
Last EDR Contact: 05/02/2008
Next Scheduled EDR Contact: 08/04/2008
Data Release Frequency: Semi-Annually

ENG CONTROLS: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to engineering controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems.

Date of Government Version: 04/28/2008
Date Data Arrived at EDR: 04/30/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 12

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Inst Control: Institutional Controls Registry

The registry is a database of all contaminated sites in the state of Florida which are subject to institutional and engineering controls.

Date of Government Version: 04/28/2008
Date Data Arrived at EDR: 04/30/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 12

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 04/28/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Sites

Listing of closed and active voluntary cleanup sites.

Date of Government Version: 03/24/2008
Date Data Arrived at EDR: 03/25/2008
Date Made Active in Reports: 03/28/2008
Number of Days to Update: 3

Source: Department of Environmental Protection
Telephone: 850-245-8705
Last EDR Contact: 07/18/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Facilities

No description is available for this data

Date of Government Version: 05/01/2008
Date Data Arrived at EDR: 05/20/2008
Date Made Active in Reports: 06/27/2008
Number of Days to Update: 38

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 05/20/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

PRIORITYCLEANERS: Priority Ranking List

The Florida Legislature has established a state-funded program to cleanup properties that are contaminated as a result of the operations of a drycleaning facility.

Date of Government Version: 06/01/2008
Date Data Arrived at EDR: 06/11/2008
Date Made Active in Reports: 06/27/2008
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 06/11/2008
Next Scheduled EDR Contact: 09/08/2008
Data Release Frequency: Varies

DEDB: Ethylene Dibromide Database Results

Ethylene dibromide (EDB), a soil fumigant, that has been detected in drinking water wells. The amount found exceeds the maximum contaminant level as stated in Chapter 62-550 or 520. It is a potential threat to public health when present in drinking water.

Date of Government Version: 02/12/2008
Date Data Arrived at EDR: 02/14/2008
Date Made Active in Reports: 02/28/2008
Number of Days to Update: 14

Source: Department of Environmental Protection
Telephone: 850-245-8335
Last EDR Contact: 07/14/2008
Next Scheduled EDR Contact: 10/13/2008
Data Release Frequency: Varies

BROWNFIELDS: Brownfield Areas

Brownfields are abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination. Florida's Brownfields Redevelopment Act primary goals are to reduce health and environmental hazards on existing commercial and industrial sites that are abandoned or underused due to these hazards and create financial and regulatory incentives to encourage voluntary cleanup and redevelopment of sites.

Date of Government Version: 04/27/2008
Date Data Arrived at EDR: 04/30/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 12

Source: Department of Environmental Protection
Telephone: 850-245-8927
Last EDR Contact: 04/30/2008
Next Scheduled EDR Contact: 07/28/2008
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WASTEWATER: Wastewater Facility Regulation Database

Domestic and industrial wastewater facilities.

Date of Government Version: 05/07/2008

Date Data Arrived at EDR: 06/04/2008

Date Made Active in Reports: 06/27/2008

Number of Days to Update: 23

Source: Department of Environmental Protection

Telephone: 850-921-9495

Last EDR Contact: 06/04/2008

Next Scheduled EDR Contact: 09/01/2008

Data Release Frequency: Quarterly

AIRS: Permitted Facilities Listing

A listing of Air Resources Management permits.

Date of Government Version: 06/18/2008

Date Data Arrived at EDR: 06/18/2008

Date Made Active in Reports: 06/27/2008

Number of Days to Update: 9

Source: Department of Environmental Protection

Telephone: 850-921-9558

Last EDR Contact: 06/18/2008

Next Scheduled EDR Contact: 08/25/2008

Data Release Frequency: Varies

FL Cattle Dip. Vats: Cattle Dipping Vats

From the 1910's through the 1950's, these vats were filled with an arsenic solution for the control and eradication of the cattle fever tick. Other pesticides, such as DDT, were also widely used. By State law, all cattle, horses, mules, goats, and other susceptible animals were required to be dipped every 14 days. Under certain circumstances, the arsenic and other pesticides remaining at the site may present an environmental or public health hazard.

Date of Government Version: 02/04/2005

Date Data Arrived at EDR: 06/29/2007

Date Made Active in Reports: 07/11/2007

Number of Days to Update: 12

Source: Department of Environmental Protection

Telephone: 850-488-3601

Last EDR Contact: 05/05/2008

Next Scheduled EDR Contact: 08/04/2008

Data Release Frequency: No Update Planned

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 04/01/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/12/2008

Number of Days to Update: 20

Source: Department of Environmental Protection

Telephone: 850-413-9970

Last EDR Contact: 07/21/2008

Next Scheduled EDR Contact: 10/06/2008

Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 12/08/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710

Last EDR Contact: 05/09/2008

Next Scheduled EDR Contact: 08/04/2008

Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Date Data Arrived at EDR: 12/03/2007

Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245

Last EDR Contact: 05/27/2008

Next Scheduled EDR Contact: 08/25/2008

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/26/2008	Telephone: 415-972-3372
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 02/20/2008	Source: EPA Region 8
Date Data Arrived at EDR: 03/04/2008	Telephone: 303-312-6271
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008	Source: EPA Region 7
Date Data Arrived at EDR: 03/27/2008	Telephone: 913-551-7003
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 02/28/2008	Source: EPA Region 6
Date Data Arrived at EDR: 02/29/2008	Telephone: 214-665-6597
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/17/2008	Source: EPA Region 4
Date Data Arrived at EDR: 03/27/2008	Telephone: 404-562-8677
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/21/2008	Source: EPA Region 10
Date Data Arrived at EDR: 02/26/2008	Telephone: 206-553-2857
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 05/19/2008
Number of Days to Update: 23	Next Scheduled EDR Contact: 08/18/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/21/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/28/2008
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 12/21/2007
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 34

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/25/2008
Date Data Arrived at EDR: 02/26/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 23

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 02/20/2008
Date Data Arrived at EDR: 03/04/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 13

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/19/2008
Next Scheduled EDR Contact: 08/18/2008
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/21/2008
Next Scheduled EDR Contact: 10/20/2008
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/21/2008
Next Scheduled EDR Contact: 10/20/2008
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

COUNTY RECORDS

ALACHUA COUNTY:

Facility List

List of all regulated facilities in Alachua County.

Date of Government Version: 04/16/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/12/2008
Number of Days to Update: 25

Source: Alachua County Environmental Protection Department
Telephone: 352-264-6800
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Annually

BROWARD COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Aboveground Storage Tanks

Aboveground storage tank locations in Broward County.

Date of Government Version: 04/08/2008	Source: Broward County Environmental Protection Department
Date Data Arrived at EDR: 04/11/2008	Telephone: 954-818-7509
Date Made Active in Reports: 05/14/2008	Last EDR Contact: 06/27/2008
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Varies

Underground Storage Tanks

All known regulated storage tanks within Broward County, including those tanks that have been closed

Date of Government Version: 04/08/2008	Source: Broward County Environmental Protection Department
Date Data Arrived at EDR: 04/11/2008	Telephone: 954-818-7509
Date Made Active in Reports: 05/13/2008	Last EDR Contact: 06/27/2008
Number of Days to Update: 32	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Annually

MIAMI-DADE COUNTY:

Air Permit Sites

Facilities that release or have a potential to release pollutants.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6755
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

Grease Trap Sites

Any non-residential facility that discharges waste to a sanitary sewer.

Date of Government Version: 04/14/2008	Source: Dade County Dept. of Env. Resources Mgmt.
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6508
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

Marine Facilities Operating Permit

What is this permit used for? Miami-Dade County Ordinance 89-104 and Section 24-18 of the Code of Miami-Dade County require the following types of marine facilities to obtain annual operating permits from DERM: All recreational boat docking facilities with ten (10) or more boat slips, moorings, davit spaces, and vessel tie-up spaces. All boat storage facilities contiguous to tidal waters in Miami-Dade County with ten (10) or more dry storage spaces including boatyards and boat manufacturing facilities.

Date of Government Version: 04/14/2008	Source: DERM
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-3576
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Quarterly

Miami River Enforcement

The Miami River Enforcement database files were created for facilities and in some instances vessels that were inspected by a workgroup within the Department that was identified as the Miami River Enforcement Group. The files do not all necessarily reflect enforcement cases and some were created for locations that were permitted by other Sections within the Department.

Date of Government Version: 04/14/2008	Source: DERM
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-3576
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Industrial Waste Permit Sites

Facilities that either generate more than 25,000 of wastewater per day to sanitary sewers or are pre-defined by EPA.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6700
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

Enforcement Case Tracking System Sites

Enforcement cases monitored by the Dade County Department of Environmental Resources Management.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6755
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 03/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/23/2008
	Data Release Frequency: Semi-Annually

Fuel Spills Cases

DERM documents fuel spills of sites that are not in a state program.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resources Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6755
Date Made Active in Reports: 05/12/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

Underground Storage Tanks

The facility has on-site underground storage tanks which stores petroleum product.

Date of Government Version: 04/14/2008	Source: Department of Environmental Resource Management
Date Data Arrived at EDR: 04/15/2008	Telephone: 305-372-6700
Date Made Active in Reports: 05/13/2008	Last EDR Contact: 06/24/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 09/22/2008
	Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 06/13/2008
Number of Days to Update: 66	Next Scheduled EDR Contact: 09/08/2008
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/04/2007	Telephone: N/A
Date Made Active in Reports: 12/31/2007	Last EDR Contact: 04/03/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/30/2008
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/27/2008
Date Data Arrived at EDR: 05/29/2008
Date Made Active in Reports: 07/10/2008
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/29/2008
Next Scheduled EDR Contact: 08/25/2008
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 12/21/2007
Date Made Active in Reports: 01/10/2008
Number of Days to Update: 20

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/09/2008
Next Scheduled EDR Contact: 09/08/2008
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/01/2007
Date Data Arrived at EDR: 11/09/2007
Date Made Active in Reports: 01/15/2008
Number of Days to Update: 67

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/16/2008
Next Scheduled EDR Contact: 09/15/2008
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 04/27/2007
Date Made Active in Reports: 06/08/2007
Number of Days to Update: 42

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/21/2008
Next Scheduled EDR Contact: 10/06/2008
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Department of Children & Families

Source: Provider Information

Telephone: 850-488-4900

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ST. CLOUD (KISSIMMEE) ANNEX
4175 EDSEL AVENUE
SAINT CLOUD, FL 34772

TARGET PROPERTY COORDINATES

Latitude (North):	28.16652 - 28° 9' 59.5"
Longitude (West):	81.27156 - 81° 16' 17.6"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	473340.1
UTM Y (Meters):	3115506.2
Elevation:	64 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	28081-B3 SAINT CLOUD SOUTH, FL
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

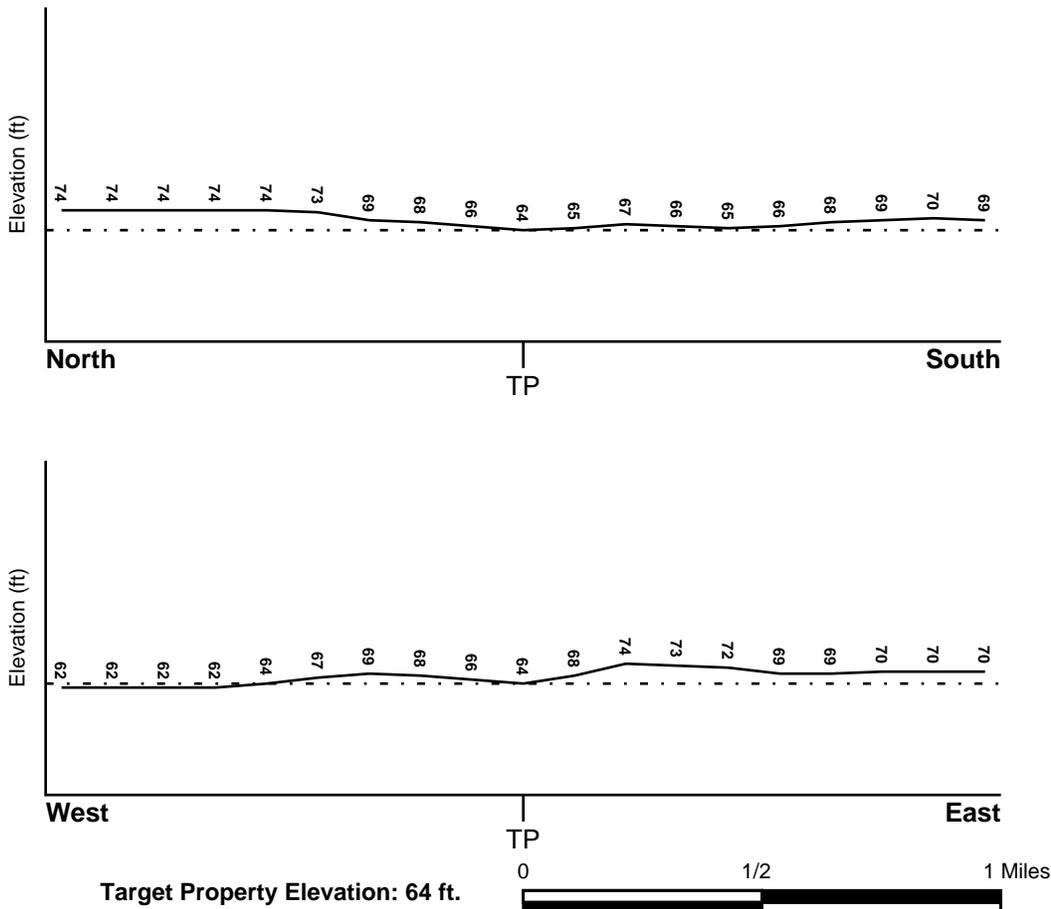
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> OSCEOLA, FL	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	1201890145B
Additional Panels in search area:	1201890175C

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> SAINT CLOUD SOUTH	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Quaternary
Series: Pleistocene
Code: Qp *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: SMYRNA

Soil Surface Texture: fine sand

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	13 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 3.60
2	13 inches	28 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 0.60	Max: 7.30 Min: 3.60
3	28 inches	80 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 5.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: mucky - fine sand

Surficial Soil Types: mucky - fine sand

Shallow Soil Types: sand

Deeper Soil Types: fine sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	USGS2278119	1/8 - 1/4 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

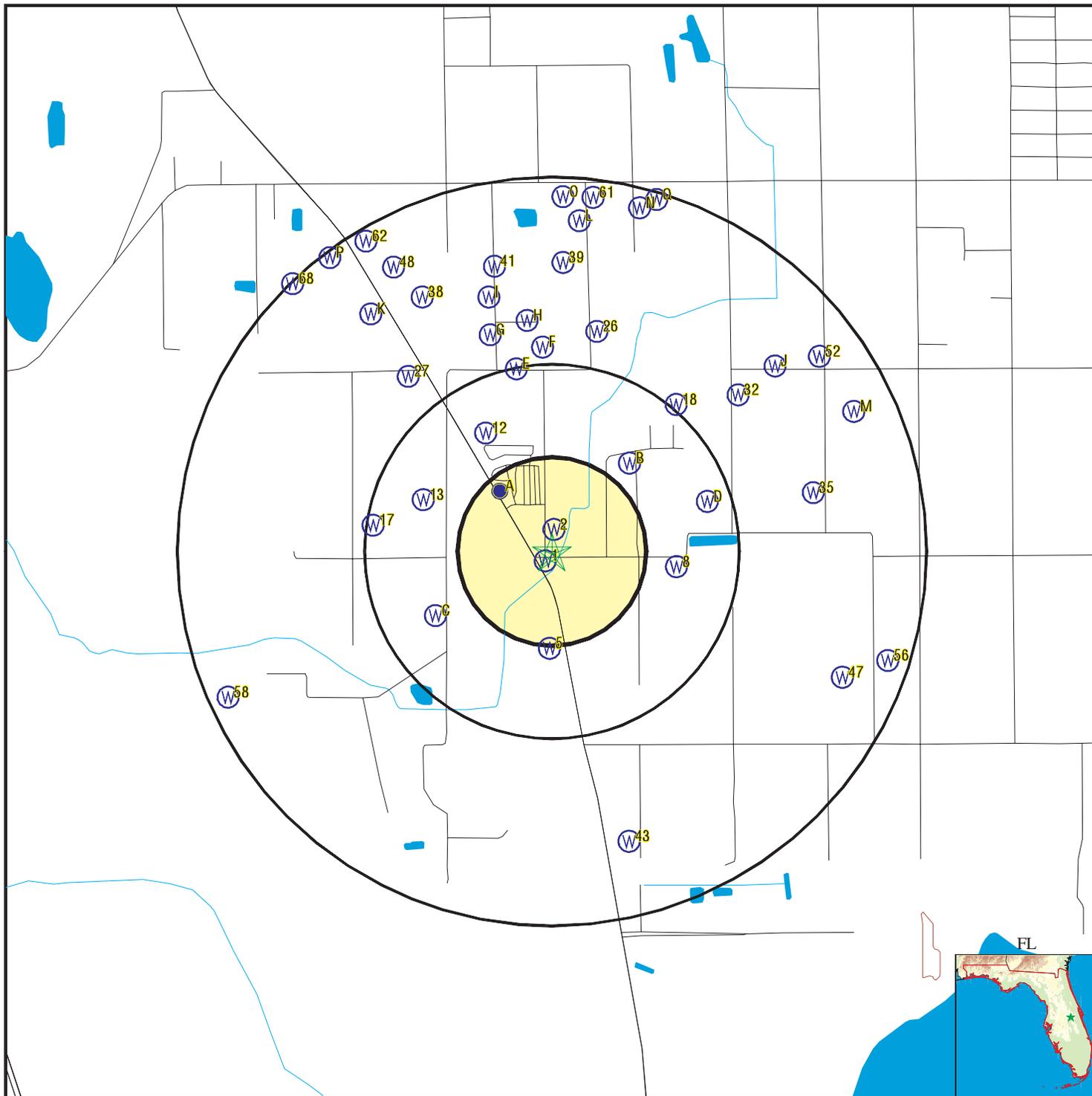
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	FLSO30000045162	0 - 1/8 Mile SW
2	FLSO30000045165	0 - 1/8 Mile North
A4	FLSA30000033943	1/8 - 1/4 Mile NW
5	FLSA30000033697	1/4 - 1/2 Mile South
B6	FLSA30000033957	1/4 - 1/2 Mile NE
B7	FLSA30000033958	1/4 - 1/2 Mile NE
8	FLSA30000033804	1/4 - 1/2 Mile East
B9	FLSA30000033968	1/4 - 1/2 Mile NE
C10	FLSA30000033739	1/4 - 1/2 Mile WSW
C11	FLSA30000033736	1/4 - 1/2 Mile WSW
12	FLSA30000033977	1/4 - 1/2 Mile NNW
13	FLSA30000033916	1/4 - 1/2 Mile WNW
D14	FLSA30000033896	1/4 - 1/2 Mile ENE
E15	FLSA30000034012	1/4 - 1/2 Mile NNW
D16	FLSA30000033931	1/4 - 1/2 Mile ENE
17	FLSA30000033871	1/4 - 1/2 Mile West
18	FLSA30000033996	1/2 - 1 Mile NE
F19	FLSA30000034028	1/2 - 1 Mile North
E20	FLSA30000034030	1/2 - 1 Mile North
F21	FLSA30000034035	1/2 - 1 Mile North
F22	FLSA30000034047	1/2 - 1 Mile North
F23	FLSA30000034049	1/2 - 1 Mile North
G24	FLSA30000034044	1/2 - 1 Mile NNW
G25	FLSA30000034045	1/2 - 1 Mile NNW
26	FLSA30000034054	1/2 - 1 Mile NNE
27	FLSA30000034016	1/2 - 1 Mile NW
G28	FLSA30000034056	1/2 - 1 Mile NNW
H29	FLSA30000034059	1/2 - 1 Mile North
G30	FLSA30000034057	1/2 - 1 Mile NNW
H31	FLSA30000034064	1/2 - 1 Mile North
32	FLSA30000034003	1/2 - 1 Mile NE
I33	FLSA30000034072	1/2 - 1 Mile NNW
I34	FLSA30000034080	1/2 - 1 Mile NNW
35	FLSA30000033927	1/2 - 1 Mile ENE
J36	FLSA30000034017	1/2 - 1 Mile NE
I37	FLSA30000034097	1/2 - 1 Mile NNW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
38	FLSA30000034082	1/2 - 1 Mile NNW
39	FLSA30000034116	1/2 - 1 Mile North
K40	FLSA30000034060	1/2 - 1 Mile NW
41	FLSA30000034114	1/2 - 1 Mile NNW
K42	FLSA30000034061	1/2 - 1 Mile NW
43	FLSA30000033513	1/2 - 1 Mile SSE
K44	FLSA30000034073	1/2 - 1 Mile NW
J45	FLSA30000034033	1/2 - 1 Mile NE
K46	FLSA30000034075	1/2 - 1 Mile NW
47	FLSO30000045158	1/2 - 1 Mile ESE
48	FLSA30000034113	1/2 - 1 Mile NNW
L49	FLSA30000034145	1/2 - 1 Mile North
M50	FLSA30000033982	1/2 - 1 Mile ENE
M51	FLSA30000033987	1/2 - 1 Mile ENE
52	FLSA30000034032	1/2 - 1 Mile NE
L53	FLSA30000034160	1/2 - 1 Mile North
M54	FLSA30000034004	1/2 - 1 Mile ENE
N55	FLSA30000034162	1/2 - 1 Mile NNE
56	FLSA30000033690	1/2 - 1 Mile ESE
O57	FLSA30000034182	1/2 - 1 Mile North
58	FLSO30000045157	1/2 - 1 Mile WSW
N59	FLSA30000034167	1/2 - 1 Mile NNE
O60	FLSA30000034184	1/2 - 1 Mile North
61	FLSA30000034181	1/2 - 1 Mile North
62	FLSA30000034135	1/2 - 1 Mile NNW
N63	FLSA30000034174	1/2 - 1 Mile NNE
P64	FLSO30000045185	1/2 - 1 Mile NW
Q65	FLSA30000034175	1/2 - 1 Mile NNE
Q66	FLSA30000034178	1/2 - 1 Mile NNE
Q67	FLSA30000034180	1/2 - 1 Mile NNE
68	FLSO30000045183	1/2 - 1 Mile NW
P69	FLSO30000045186	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 2276768.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells
- Sink holes



SITE NAME: St. Cloud (Kissimmee) Annex
 ADDRESS: 4175 Edsel Avenue
 Saint Cloud FL 34772
 LAT/LONG: 28.1665 / 81.2716

CLIENT: URS Corporation
 CONTACT: Jamie Sullivan
 INQUIRY #: 2276768.2s
 DATE: July 24, 2008 12:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1			
SW		FL WELLS	FLSO30000045162
0 - 1/8 Mile			
Higher			
Permit no:	49-01159-W	App no:	020107-1
Permit typ:	GP		
Project na:	GLENDATHOMAS HALL WELL		
Lu code:	IND		
Acres serv:	12		
Facil id:	116321		
Facil type:	WELL	Facil name:	Well No. 2
Pump type:	SUB		
Diameter:	3		
Pump depth:	0		
Pump capac:	32		
X coord:	568578		
Y coord:	1393208		
Well depth:	230	Case depth:	200
Use status:	Primary		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Industrial		
Reviewer:	George M. Ogden, Jr. P.G.	Secno:	1
Twp:	27	Rge:	30
Site id:	FLSO30000045162		

2			
North		FL WELLS	FLSO30000045165
0 - 1/8 Mile			
Higher			
Permit no:	49-01135-W	App no:	010816-7
Permit typ:	GP		
Project na:	KISSIMMEE FIELD STATION		
Lu code:	LAN		
Acres serv:	1		
Facil id:	111200		
Facil type:	WELL	Facil name:	A-15
Pump type:	JET		
Diameter:	2		
Pump depth:	0		
Pump capac:	40		
X coord:	568703		
Y coord:	1393651		
Well depth:	100	Case depth:	0
Use status:	Primary		
Fac status:	E		
Source:	Surficial Aquifer System		
Water use:	Public Water Supply		
Reviewer:	Christina Shaw	Secno:	1
Twp:	27	Rge:	30
Site id:	FLSO30000045165		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A3
NW
1/8 - 1/4 Mile
Higher

FED USGS USGS2278119

Agency cd:	USGS	Site no:	281006081162601
Site name:	CANOE CREEK CAMPGROUND(OSF-18)NR ST CLOUD,FL		
Latitude:	281006		
Longitude:	0811626	Dec lat:	28.16862618
Dec lon:	-81.27368015	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	125
State:	12	County:	097
Country:	US	Land net:	NESWNWS01T27SR30E
Location map:	ST CLOUD SOUTH	Map scale:	24000
Altitude:	72.86		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.01		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Kissimmee. Florida. Area = 3010 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	FLORIDAN AQUIFER		
Well depth:	500	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1978-05-02
Water quality data end date:	2000-09-12	Water quality data count:	67
Ground water data begin date:	1978-05-02	Ground water data end date:	2003-02-24
Ground water data count:	88		

Ground-water levels, Number of Measurements: 88

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-02-24		49.43	2003-01-27		49.40
2002-12-30		50.19	2002-11-21		48.91
2002-10-28		48.96	2002-09-17		49.78
2002-08-26		49.52	2002-07-29		48.73
2002-06-20		45.66	2002-05-28		44.20
2002-05-15		43.18	2002-04-22		46.07
2002-03-25		46.77	2002-02-25		48.43
2002-01-28		48.48	2001-12-21		48.57
2001-11-26		49.21	2001-10-24		49.29
2001-09-25		50.31	2001-05-15		43.68
2000-09-12		46.61	1999-09-23		48.76
1999-05-12		44.78	1998-09-15		48.50
1998-05-13		48.33	1997-09-10		50.17
1997-05-13		48.00	1996-09-10		49.09
1996-05-16		47.30	1995-09-13		51.43

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-05-16		49.00	1994-09-15		50.84
1994-08-16		50.06	1994-07-22		49.23
1994-06-20		48.90	1994-05-12		47.84
1994-04-26		47.64	1994-03-24		48.98
1994-02-16		49.70	1994-01-13		49.15
1993-12-13		48.94	1993-11-17		49.24
1993-10-20		49.34	1993-09-20		48.79
1993-08-19		46.76	1993-07-20		47.93
1993-06-17		46.87	1993-05-11		48.68
1993-04-14		51.20	1993-03-16		50.28
1993-02-10		51.19	1993-01-12		50.35
1992-12-15		50.19	1992-11-17		49.25
1992-10-20		50.59	1992-09-15		50.01
1992-05-12		47.31	1991-09-10		50.90
1991-05-13		48.38	1990-05-16		43.48
1989-09-13		48.00	1989-05-10		46.63
1988-09-16		49.66	1988-05-16		46.68
1987-09-08		47.34	1987-05-18		47.40
1986-09-17		52.51	1986-05-14		47.45
1985-09-09		47.43	1985-05-15		46.44
1984-09-12		50.24	1984-05-17		46.98
1983-09-14		50.00	1983-05-19		48.44
1982-09-15		50.65	1982-05-13		48.38
1981-09-23		48.51	1981-05-14		44.99
1980-09-17		47.44	1980-05-15		45.38
1979-11-19		50.33	1979-09-12		50.57
1979-05-25		48.77	1979-03-21		50.14
1978-12-13		45.80	1978-10-10		50.01
1978-05-02		46.63	1978-05-02	26.23	

**A4
NW
1/8 - 1/4 Mile
Higher**

FL WELLS FLSA30000033943

Fluwid:	AAC2836	Well type:	Non Community Public Water System
Well statu:	ACTIVE	Well casin:	Not Reported
Longitude:	-81.274		
Latitude:	28.1691		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	Not Reported	Well permi:	3490207
Well comme:	Not Reported		
Well sanit:	Not Reported	Well busin:	CANOE CREEK CAMPGROUND
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	0		
Gps date:	01/20/1993 00:00:00	Location m:	Unknown
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	Not Reported
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	ST CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	287030		
Gps id:	287030		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033943

**5
South
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033697

Fluwid:	AAD3055	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.271665		
Latitude:	28.162758		
Well depth:	285		
Well cas 1:	227		
Well cas 2:	4	Well permi:	49-57-00389
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	John Kauffman
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-8.46		
Gps date:	12/01/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4298 Canoe Creek Rd
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4298 Canoe Creek Rd
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293284		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	293284	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033697

**B6
NE
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033957

Fluwid:	AAD7193	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Black Steel
Longitude:	-81.268713		
Latitude:	28.169752		
Well depth:	275		
Well cas 1:	238		
Well cas 2:	4	Well permi:	49-57-00634
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Residence
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	29.89		
Gps date:	03/20/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4155 Quailwood Dr
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4155 Quailwood Dr
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	297308		
Gps id:	297308		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033957

**B7
NE
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033958

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAD7126	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Black Steel
Longitude:	-81.26815		
Latitude:	28.169803		
Well depth:	210		
Well cas 1:	0		
Well cas 2:	4	Well permi:	49-57-00398
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Joshua Carr
Resident f:	Not Reported	Resident I:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-5.06		
Gps date:	01/26/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4139 Quailwood Dr
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4139 Quailwood Dr
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	297178		
Gps id:	297178		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033958

**8
East
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033804

Fluwid:	AAE4856	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.26611		
Latitude:	28.165926		
Well depth:	280		
Well cas 1:	220		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	BURLESON
Resident f:	Not Reported	Resident I:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	58.91		
Gps date:	08/09/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4320 QUAIL ROOST RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4320 QUAIL ROOST RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	302550		
Gps id:	302550		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033804

**B9
NE
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033968

Fluwid:	AAD2824	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.267634		
Latitude:	28.170278		
Well depth:	250		
Well cas 1:	230		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	Not Reported		
Well sanit:	Yes	Well busin:	Kenneth Carr
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-5.27		
Gps date:	07/29/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4135 Quailwood Drive
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4135 Quailwood Drive

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	292914		
Gps id:	292914		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033968

**C10
WSW
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033739

Fluwid:	AAD7109	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Black Steel
Longitude:	-81.276691		
Latitude:	28.164093		
Well depth:	282		
Well cas 1:	189		
Well cas 2:	4	Well permi:	49-57-00433
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	George Gonzales
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-6.91		
Gps date:	01/13/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4250 Fanny Bass Rd
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4250 Fanny Bass Rd
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	297146		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	297146	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033739

**C11
WSW
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033736

Fluwid:	AAD7110	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Black Steel
Longitude:	-81.276618		
Latitude:	28.163966		
Well depth:	275		
Well cas 1:	212		
Well cas 2:	4	Well permi:	49-57-00431
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Rose Escasena
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-7.32		
Gps date:	01/13/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4260 Fanny Bass Rd
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4260 Fanny Bass Rd
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	297148		
Gps id:	297148		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033736

**12
NNW
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033977

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAD3004	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.274457		
Latitude:	28.17111		
Well depth:	245		
Well cas 1:	212		
Well cas 2:	2	Well permi:	49-57-00316
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Lamar Chisolm
Resident f:	Not Reported	Resident I:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-7.19		
Gps date:	10/18/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4075 Canoe Creek Rd
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4075 Canoe Creek Rd
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293184		
Gps id:	293184		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033977

**13
WNW
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033916

Fluwid:	AAE8814	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.277188		
Latitude:	28.168526		
Well depth:	260		
Well cas 1:	190		
Well cas 2:	4	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	BARRY
Resident f:	Not Reported	Resident I:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	18.85		
Gps date:	10/03/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4140 FANNY BASS RD.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4140 FANNY BASS RD.
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	306760		
Gps id:	306760		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033916

**D14
ENE
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033896

Fluwid:	AAE9363	Well type:	Limited Use Public Water System
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.26519		
Latitude:	28.168019		
Well depth:	240		
Well cas 1:	0		
Well cas 2:	2	Well permi:	495700088
Well comm:	Not Reported		
Well sanit:	Yes	Well busin:	JOHN SMITH
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	29.32		
Gps date:	02/14/2001 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4371 QUAIL ROOST RD.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4371 QUAIL ROOST RD.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	307512		
Gps id:	307512		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033896

**E15
NNW
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000034012

Fluwid:	AAI2843	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Black Steel
Longitude:	-81.273386		
Latitude:	28.173137		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	4	Well permi:	Not Reported
Well comme:	RE33011		
Well sanit:	Yes	Well busin:	FRANKS
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	22.17		
Gps date:	03/23/2004 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	4170 POW MIA MEMORIAL
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4170 POW MIA MEMORIAL
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	ST CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	292990		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	292990	Action:	UNFILTERED
Wsrp id:	490013401	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034012

**D16
ENE
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033931

Fluwid:	AAE8827	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.264331		
Latitude:	28.168895		
Well depth:	280		
Well cas 1:	200		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	EAREHART
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	41.36		
Gps date:	10/11/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4160 KAISER AVE.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4160 KAISER AVE.
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	306786		
Gps id:	306786		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033931

**17
West
1/4 - 1/2 Mile
Higher**

FL WELLS FLSA30000033871

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAE8822	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Black Steel
Longitude:	-81.279384		
Latitude:	28.167535		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	4	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	RESIDENT
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	14.8		
Gps date:	10/09/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4161 LIPPMAN RD.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4161 LIPPMAN RD.
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	306776		
Gps id:	306776		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033871

**18
NE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000033996

Fluwid:	AAD3023	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.266124		
Latitude:	28.172218		
Well depth:	150		
Well cas 1:	130		
Well cas 2:	2	Well permi:	49-57-00507
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	DL Gaskin
Resident f:	Not Reported	Resident l:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-5.42		
Gps date:	11/09/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4020 Kaiser Av
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4020 Kaiser Av
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293222		
Gps id:	293222		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033996

**F19
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034028

Fluwid:	AAI2844	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.272051		
Latitude:	28.174023		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	RE33011		
Well sanit:	Yes	Well busin:	DAWN
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	23.29		
Gps date:	03/22/2004 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	4165 POW-MIA MEMORIAL
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4165 POW-MIA MEMORIAL

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	ST CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	OWNER	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	4165 POW-MIA MEMORIAL	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	ST CLOUD
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	300968		
Gps id:	300968		
Wsrp id:	490011101	Action:	UNFILTERED
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034028

**E20
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034030

Fluwid:	AAE3367	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.272849		
Latitude:	28.174061		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	keene
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	34.24		
Gps date:	05/31/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4155 pow mia rd
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4155 pow mia rd
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	300980		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	300980	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034030

**F21
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034035

Fluwid:	AAE8815	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.271549		
Latitude:	28.174169		
Well depth:	270		
Well cas 1:	220		
Well cas 2:	4	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	TALIENTO
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	20.55		
Gps date:	10/03/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4205 POW-MIA HWY.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4205 POW-MIA HWY.
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	306762		
Gps id:	306762		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034035

**F22
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034047

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAE3366	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.272689		
Latitude:	28.174752		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE33011		
Well sanit:	Yes	Well busin:	SANDY DAVIS
Resident f:	Not Reported	Resident I:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	21.66		
Gps date:	03/22/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3955 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3955 CROSLEY RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	292988		
Gps id:	292988		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034047

**F23
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034049

Fluwid:	AAI2848	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.271589		
Latitude:	28.174821		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE33011		
Well sanit:	Yes	Well busin:	DAVID
Resident f:	Not Reported	Resident I:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	24.06		
Gps date:	03/22/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3964 HIXON RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3964 HIXON RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	330678		
Gps id:	330678		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034049

**G24
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034044

Fluwid:	AAI2847	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.27432		
Latitude:	28.174652		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE33011		
Well sanit:	Yes	Well busin:	DAWN
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	28.06		
Gps date:	03/22/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3964 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3964 CROSLEY RD

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	330676		
Gps id:	330676		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034044

**G25
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034045

Fluwid:	AAE4838	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.274369		
Latitude:	28.174709		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	No	Well busin:	PHELPS
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	4.87		
Gps date:	07/25/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3964 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3964 CROSLEY RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	302514		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	302514	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034045

**26
NNE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034054

Fluwid:	AAE3369	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.269592		
Latitude:	28.175054		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE33011		
Well sanit:	Yes	Well busin:	MICHELL
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	24.1		
Gps date:	03/22/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3975 HIXON RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3975 HIXON RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	331146		
Gps id:	331146		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034054

**27
NW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034016

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAG4506	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.277847		
Latitude:	28.173307		
Well depth:	290		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	FITZ
Resident f:	Not Reported	Resident I:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	26		
Gps date:	01/03/2002 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4002 CANOE CREEK RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4002 CANOE CREEK RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	320640		
Gps id:	320640		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034016

**G28
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034056

Fluwid:	AAE4826	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.274068		
Latitude:	28.175149		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE33011		
Well sanit:	Yes	Well busin:	RESIDENT
Resident f:	Not Reported	Resident I:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	24.82		
Gps date:	03/22/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3954 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3954 CROSLEY RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	331152		
Gps id:	331152		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034056

**H29
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034059

Fluwid:	AAE4823	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.2726		
Latitude:	28.175392		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	RE33011		
Well sanit:	Yes	Well busin:	LUKE GROVES
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	23.55		
Gps date:	03/22/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3945 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3945 CROSLEY RD

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	331148		
Gps id:	331148		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034059

**G30
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034057

Fluwid:	AAE4830	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.274289		
Latitude:	28.175172		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	No	Well busin:	DAVID SNEED
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	69.04		
Gps date:	07/25/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3954 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3954 CROSLEY RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	302504		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	302504	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034057

**H31
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034064

Fluwid:	AAE4829	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.272692		
Latitude:	28.175563		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	LUKE GROVE
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	75.92		
Gps date:	07/25/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3945 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3945 CROSLEY RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	302502		
Gps id:	302502		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034064

**32
NE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034003

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAE4859	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.263414		
Latitude:	28.17259		
Well depth:	150		
Well cas 1:	91		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	BOOS
Resident f:	Not Reported	Resident I:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	66.88		
Gps date:	08/09/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4041 KAISER AVE
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4041 KAISER AVE
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	302556		
Gps id:	302556		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034003

**I33
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034072

Fluwid:	AAE4839	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.274653		
Latitude:	28.175914		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	No	Well busin:	RESIDENT
Resident f:	Not Reported	Resident I:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	62.09		
Gps date:	07/25/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3944 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3944 CROSLEY RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	302516		
Gps id:	302516		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034072

**I34
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034080

Fluwid:	AAE4824	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.274029		
Latitude:	28.176319		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	RE33011		
Well sanit:	Yes	Well busin:	RESIDENT
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	23.57		
Gps date:	03/23/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3924 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3924 CROSLEY RD

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	331150		
Gps id:	331150		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034080

**35
ENE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000033927

Fluwid:	AAD3050	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.260126		
Latitude:	28.1688		
Well depth:	220		
Well cas 1:	214		
Well cas 2:	4	Well permi:	49-57-00519
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Jenny Duggins
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-3.38		
Gps date:	11/30/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4140 Lasalle
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4140 Lasalle
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293274		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	293274	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033927

**J36
NE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034017

Fluwid:	AAE8885	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.262317		
Latitude:	28.173326		
Well depth:	150		
Well cas 1:	100		
Well cas 2:	2	Well permi:	49-57-0950
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	ALSHOUSE
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	17.94		
Gps date:	12/13/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4484 HUNTING LODGR RD.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4484 HUNTING LODGR RD.
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	306896		
Gps id:	306896		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034017

**I37
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034097

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAE4824b	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.274274		
Latitude:	28.176919		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	No	Well busin:	RESIDENT
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	64.31		
Gps date:	07/25/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3924 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3924 CROSLEY RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	302510		
Gps id:	302510		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034097

**38
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034082

Fluwid:	AAG4501	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.277232		
Latitude:	28.176386		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	4	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	RESIDENT
Resident f:	Not Reported	Resident l:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	26		
Gps date:	01/03/2002 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3955 CANOE CREEK RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3955 CANOE CREEK RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	320630		
Gps id:	320630		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034082

**39
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034116

Fluwid:	AAE3368	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.271077		
Latitude:	28.177725		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	Not Reported		
Well sanit:	Yes	Well busin:	hixon
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	31.48		
Gps date:	05/31/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3975hixon
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3975hixon

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	300982		
Gps id:	300982		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034116

**K40
NW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034060

Fluwid:	AAG4502	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.27931		
Latitude:	28.175411		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE34486		
Well sanit:	YES	Well busin:	RESIDENT
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	25.26		
Gps date:	11/08/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	JULIO
Inspector1:	CABAN	Inspecto 1:	Osceola
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3948 CANOE CREEK RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3948 CANOE CREEK RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	320632		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	320632	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034060

**41
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034114

Fluwid:	AAE3365	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.274072		
Latitude:	28.177578		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	4	Well permi:	Not Reported
Well comme:	RE33011		
Well sanit:	Yes	Well busin:	BALLMAN
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	23.51		
Gps date:	03/23/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3875 CROSLEY RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3875 CROSLEY RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34769	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	331154		
Gps id:	331154		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034114

**K42
NW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034061

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAG4503	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.279601		
Latitude:	28.17546		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE34486		
Well sanit:	YES	Well busin:	KRUSNOSKI
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	24.46		
Gps date:	11/08/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	JULIO
Inspector1:	CABAN	Inspecto 1:	Osceola
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3952 CANOE CREEK RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3952 CANOE CREEK RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	320634		
Gps id:	320634		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034061

**43
SSE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000033513

Fluwid:	AAE8893	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.268185		
Latitude:	28.155271		
Well depth:	260		
Well cas 1:	220		
Well cas 2:	4	Well permi:	49-57-0937
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	WALTZ
Resident f:	Not Reported	Resident l:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	16.42		
Gps date:	12/19/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4510 HENRY J AVE..
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4510 HENRY J AVE..
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	306914		
Gps id:	306914		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033513

**K44
NW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034073

Fluwid:	AAG4500	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.279426		
Latitude:	28.176006		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	RE34486		
Well sanit:	YES	Well busin:	RESIDENT
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	25.06		
Gps date:	11/08/2004 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	JULIO
Inspector1:	CABAN	Inspecto 1:	Osceola
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	CANOE CREEK RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	CANOE CREEK RD

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	ST CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	320628		
Gps id:	320628		
Wsrp id:	490014101	Action:	UNFILTERED
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034073

**J45
NE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034033

Fluwid:	AAD7183	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.261278		
Latitude:	28.174091		
Well depth:	240		
Well cas 1:	206		
Well cas 2:	4	Well permi:	49-57-00651
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Chris Reidman
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	25.84		
Gps date:	03/09/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4479 Hunting Lodge Dr
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4479 Hunting Lodge Dr
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	297288		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	297288	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034033

**K46
NW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034075

Fluwid:	AAF5400	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.279602		
Latitude:	28.176034		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE34486		
Well sanit:	YES	Well busin:	RESIDENT
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	25.56		
Gps date:	11/08/2004 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	JULIO
Inspector1:	CABAN	Inspecto 1:	Osceola
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	3944 CANOE CREEK RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3944 CANOE CREEK RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	ST CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	313958		
Gps id:	313958		
Wsrp id:	490014001	Action:	UNFILTERED
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034075

**47
ESE
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045158

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Permit no:	49-00363-W	App no:	930515-330
Permit typ:	IND		
Project na:	BASS CITRUS GROVE		
Lu code:	AGR		
Acres serv:	20		
Facil id:	26140		
Facil type:	WELL	Facil name:	1
Pump type:	CEN		
Diameter:	4		
Pump depth:	0		
Pump capac:	350		
X coord:	572764		
Y coord:	1391557		
Well depth:	22	Case depth:	22
Use status:	Primary		
Fac status:	E		
Source:	Water Table Aquifer		
Water use:	Irrigation		
Reviewer:	Walter P. Ward, P.G.	Secno:	6
Twp:	27	Rge:	31
Site id:	FLSO30000045158		

**48
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034113

Fluwid:	AAG4504	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.278488		
Latitude:	28.177545		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE34486		
Well sanit:	YES	Well busin:	WOESTE
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	24.42		
Gps date:	11/08/2004 00:00:00	Location m:	DGPS
Project id:	ANDREW	Inspector :	JULIO
Inspector1:	CABAN	Inspecto 1:	Osceola
Request nu:	Not Reported	Property i:	Not Reported
County:	OSCEOLA	Address:	3895 CANOE CREEK RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3895 CANOE CREEK RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	ST CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	320636		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	320636	Action:	UNFILTERED
Wsrp id:	490013901	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034113

**L49
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034145

Fluwid:	AAF7619	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.270277		
Latitude:	28.179096		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	BYRD
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	27.77		
Gps date:	05/02/2001 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3844 HIXON RD.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3844 HIXON RD.
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	316574		
Gps id:	316574		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034145

**M50
ENE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000033982

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAE8884	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.258231		
Latitude:	28.171409		
Well depth:	240		
Well cas 1:	234		
Well cas 2:	4	Well permi:	49-57-1139
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	SWAINE
Resident f:	Not Reported	Resident I:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	19.03		
Gps date:	12/13/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4051 LASALLE A3L.
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4051 LASALLE A3L.
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	306894		
Gps id:	306894		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033982

**M51
ENE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000033987

Fluwid:	AAD7135	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.25841		
Latitude:	28.171834		
Well depth:	240		
Well cas 1:	230		
Well cas 2:	4	Well permi:	49-57-00622
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Furber
Resident f:	Not Reported	Resident I:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	31.76		
Gps date:	02/10/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4041 La Salle Av
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4041 La Salle Av
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	297194		
Gps id:	297194		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033987

**52
NE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034032

Fluwid:	AAD3049	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.259858		
Latitude:	28.174086		
Well depth:	220		
Well cas 1:	214		
Well cas 2:	2	Well permi:	49-57-00501
Well comm:	Not Reported		
Well sanit:	Yes	Well busin:	RC Weathers
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-11.2		
Gps date:	11/30/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4499 Hunting Lodge Dr
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4499 Hunting Lodge Dr

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293272		
Gps id:	293272		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034032

**L53
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034160

Fluwid:	AAE3363	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.270445		
Latitude:	28.179599		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	RESIDENT
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	31.43		
Gps date:	05/17/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3834 hixon
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3834 hixon
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	300976		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	300976	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Sampled Within Previous Year
Potable st:	POTABLE		
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034160

**M54
ENE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034004

Fluwid:	AAD7182	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	PVC
Longitude:	-81.258415		
Latitude:	28.172601		
Well depth:	240		
Well cas 1:	226		
Well cas 2:	4	Well permi:	49-57-00678
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	Page1
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	34.25		
Gps date:	03/09/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4031 La Salle Av
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4031 La Salle Av
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	297286		
Gps id:	297286		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034004

**N55
NNE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034162

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAJ5442	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	GALVANIZED
Longitude:	-81.268531		
Latitude:	28.179676		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	YES	Well busin:	Not Reported
Resident f:	MADELINE	Resident l:	CLEMONS
Well phone:	407-892-5943	Well pho 1:	Not Reported
Datum:	Not Reported		
Hae:	-6.81		
Gps date:	08/24/2006 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Kristen
Inspector1:	Baldree	Inspecto 1:	OSCEOLA
Request nu:	RE39621	Property i:	Not Reported
County:	OSCEOLA	Address:	3844 HENRY J AVE
House numb:	3844	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	HENRY J
Suffix:	AVE	Postdirect:	Not Reported
Zipcode:	34772	City:	ST. CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	773748		
Gps id:	773748		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	<1/4 MCL/HAL		
Resident t:	OWNER		
Other agen:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported	Site id:	FLSA30000034162

**56
ESE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000033690

Fluwid:	AAD3022	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.256865		
Latitude:	28.162285		
Well depth:	265		
Well cas 1:	231		
Well cas 2:	2	Well permi:	49-57-00322
Well comme:	Not Reported		
Well sanit:	Yes	Well busin:	JR McGovern
Resident f:	Not Reported	Resident l:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-5.25		
Gps date:	11/09/1999 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4327 S Lasalle Av
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4327 S Lasalle Av
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	Not Reported	City:	St. Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293220		
Gps id:	293220		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000033690

**O57
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034182

Fluwid:	AAD3091	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	GALVANIZED
Longitude:	-81.271227		
Latitude:	28.180263		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	Not Reported		
Well sanit:	YES	Well busin:	YDK UNIVERSAL SERVICES LLC
Resident f:	YOUJENDRA	Resident l:	KALICHARAN
Well phone:	407-891-9352	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-3.95		
Gps date:	08/24/2006 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Kristen
Inspector1:	Baldree	Inspecto 1:	OSCEOLA
Request nu:	RE39621	Property i:	Not Reported
County:	OSCEOLA	Address:	4220 DEER RUN RD
House numb:	4220	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	DEER RUN

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	RD	Postdirect:	Not Reported
Zipcode:	34772	City:	ST. CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293348		
Gps id:	293348		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	OWNER		
Other agen:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported	Site id:	FLSA30000034182

**58
WSW
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045157

Permit no:	49-00012-W	App no:	930515-251
Permit typ:	IND		
Project na:	CIRCLE Y GROVE		
Lu code:	AGR		
Acres serv:	90		
Facil id:	10588		
Facil type:	WELL	Facil name:	1
Pump type:	CEN		
Diameter:	10		
Pump depth:	0		
Pump capac:	600		
X coord:	564103		
Y coord:	1391296		
Well depth:	300	Case depth:	0
Use status:	Primary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Walter P. Ward, P.G.	Secno:	2
Twp:	27	Rge:	30
Site id:	FLSO30000045157		

**N59
NNE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034167

Fluwid:	AAJ5441	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	GALVANIZED
Longitude:	-81.2674		
Latitude:	28.17979		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	Not Reported		
Well sanit:	YES	Well busin:	Not Reported
Resident f:	CARLOS	Resident l:	QUINONES

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	407-892-6736	Well pho 1:	Not Reported
Datum:	Not Reported		
Hae:	-2.38		
Gps date:	08/24/2006 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Kristen
Inspector1:	Baldree	Inspecto 1:	OSCEOLA
Request nu:	RE39621	Property i:	Not Reported
County:	OSCEOLA	Address:	3845 HENRY J AVE
House numb:	3845	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	HENRY J
Suffix:	AVE	Postdirect:	Not Reported
Zipcode:	34772	City:	ST. CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	773746		
Gps id:	773746		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	OWNER		
Other agen:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported	Site id:	FLSA30000034167

**O60
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034184

Fluwid:	AAD3090	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	GALVANIZED
Longitude:	-81.270929		
Latitude:	28.180301		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comm:	well used for livestock		
Well sanit:	YES	Well busin:	YDK UNIVERSAL SERVICES LLC
Resident f:	YOUJENDRA	Resident l:	KALICHARAN
Well phone:	407-891-9352	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	3.4		
Gps date:	08/24/2006 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Kristen
Inspector1:	Baldree	Inspecto 1:	OSCEOLA
Request nu:	RE39621	Property i:	Not Reported
County:	OSCEOLA	Address:	4230 DEER RUN RD
House numb:	4230	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	DEER RUN

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Suffix:	RD	Postdirect:	Not Reported
Zipcode:	34772	City:	ST. CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293346		
Gps id:	293346		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	OWNER		
Other agen:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported	Site id:	FLSA30000034184

**61
North
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034181

Fluwid:	AAD3093	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	GALVANIZED
Longitude:	-81.269757		
Latitude:	28.180252		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	YES	Well busin:	Not Reported
Resident f:	JAMES	Resident l:	THOMAS
Well phone:	407-892-4627	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-6.99		
Gps date:	08/23/2006 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Kristen
Inspector1:	Baldree	Inspecto 1:	OSCEOLA
Request nu:	RE39621	Property i:	Not Reported
County:	OSCEOLA	Address:	3825 HIXON AVE
House numb:	3825	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	HIXON
Suffix:	AVE	Postdirect:	Not Reported
Zipcode:	34772	City:	ST. CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	293350		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gps id:	293350	Action:	Not Reported
Wsrp id:	Not Reported	Petroleum :	Not Detects
Potable st:	POTABLE		
Solvent st:	Not Detects		
Resident t:	OWNER		
Other agen:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported	Site id:	FLSA30000034181

**62
NNW
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034135

Fluwid:	AAG4505	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	Galvanized
Longitude:	-81.279696		
Latitude:	28.178556		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	RE34486		
Well sanit:	YES	Well busin:	BREEDING
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	23.31		
Gps date:	11/08/2004 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	JULIO
Inspector1:	CABAN	Inspecto 1:	Osceola
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	3875 CANOE CREEK RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	3875 CANOE CREEK RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	320638		
Gps id:	320638		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034135

**N63
NNE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034174

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fluwid:	AAJ5443	Well type:	Non Transient/Non Community Water System
Well statu:	ACTIVE	Well casin:	GALVANIZED
Longitude:	-81.267241		
Latitude:	28.180072		
Well depth:	350		
Well cas 1:	231		
Well cas 2:	3	Well permi:	49-59-04980
Well comme:	new well - replaces AAC2833 (abandoned)		
Well sanit:	YES	Well busin:	KAITLYN'S KITCHEN
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	407-957-0084	Well pho 1:	Not Reported
Datum:	Not Reported		
Hae:	-8.32		
Gps date:	08/23/2006 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Kristen
Inspector1:	Baldree	Inspecto 1:	OSCEOLA
Request nu:	RE39621	Property i:	Not Reported
County:	OSCEOLA	Address:	4312 DEER RUN RD
House numb:	4312	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	DEER RUN
Suffix:	RD	Postdirect:	Not Reported
Zipcode:	34772	City:	ST. CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	773752		
Gps id:	773752		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	OWNER		
Other agen:	DEP	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported	Site id:	FLSA30000034174

**P64
NW
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045185

Permit no:	49-01737-W	App no:	061030-12
Permit typ:	GP		
Project na:	C E OUTDOOR SERVICES NURSERY		
Lu code:	NUR		
Acres serv:	25		
Facil id:	195380		
Facil type:	WELL	Facil name:	Well No. 2
Pump type:	CEN		
Diameter:	2		
Pump depth:	0		
Pump capac:	75		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

X coord:	565548		
Y coord:	1397402		
Well depth:	30	Case depth:	20
Use status:	Primary		
Fac status:	E		
Source:	Surficial Aquifer System		
Water use:	Irrigation		
Reviewer:	Louis Bustamante	Secno:	35
Twp:	26	Rge:	30
Site id:	FLSO30000045185		

**Q65
NNE
1/2 - 1 Mile
Higher**

FL WELLS FLSA30000034175

Fluwid:	AAC2833	Well type:	Non Community Public Water System
Well statu:	ACTIVE	Well casin:	Not Reported
Longitude:	-81.267088		
Latitude:	28.180094		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	Not Reported	Well permi:	3494372
Well comme:	DATUM 83		
Well sanit:	Not Reported	Well busin:	DEER RUN MARKET
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	0		
Gps date:	01/20/1993 00:00:00	Location m:	DGPS
Project id:	DEP	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4310 DEER RUN RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4310 DEER RUN RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	ST CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	287026		
Gps id:	287026		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034175

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Q66
NNE
1/2 - 1 Mile
Higher

FL WELLS FLSA30000034178

Fluwid:	PWS	Well type:	Private Water Well
Well statu:	ERROR	Well casin:	Galvanized
Longitude:	-81.266927		
Latitude:	28.1802		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	COMPLAINS ABOUT BACT		
Well sanit:	No	Well busin:	LUCAS
Resident f:	Not Reported	Resident l:	Not Reported
Well phone:	Not Reported	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	58.75		
Gps date:	07/25/2000 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Not Reported
Inspector1:	Not Reported	Inspecto 1:	Not Reported
Request nu:	Not Reported	Property i:	Not Reported
County:	Osceola	Address:	4340 DEER RUN RD
House numb:	Not Reported	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	4340 DEER RUN RD
Suffix:	Not Reported	Postdirect:	Not Reported
Zipcode:	34772	City:	Saint Cloud
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	329652		
Gps id:	329652		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Sampled Within Previous Year
Solvent st:	Not Sampled Within Previous Year		
Resident t:	Not Reported		
Other agen:	Not Reported	Software:	Not Reported
Streetside:	Not Reported	Agency:	Not Reported
Parcel id:	Not Reported	Site id:	FLSA30000034178

Q67
NNE
1/2 - 1 Mile
Higher

FL WELLS FLSA30000034180

Fluwid:	AAE4828	Well type:	Private Water Well
Well statu:	ACTIVE	Well casin:	GALVANIZED
Longitude:	-81.266917		
Latitude:	28.180217		
Well depth:	0		
Well cas 1:	0		
Well cas 2:	2	Well permi:	Not Reported
Well comme:	Not Reported		
Well sanit:	YES	Well busin:	Not Reported
Resident f:	FRANCISCO	Resident l:	ZORIO

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well phone:	407-891-8563	Well pho 1:	Not Reported
Datum:	WS1984		
Hae:	-10.59		
Gps date:	08/24/2006 00:00:00	Location m:	DGPS
Project id:	SUPER	Inspector :	Kristen
Inspector1:	Baldree	Inspecto 1:	OSCEOLA
Request nu:	RE39621	Property i:	Not Reported
County:	OSCEOLA	Address:	4340 DEER RUN RD
House numb:	4340	Predirecti:	Not Reported
Prefix:	Not Reported	Street:	DEER RUN
Suffix:	RD	Postdirect:	Not Reported
Zipcode:	34772	City:	ST. CLOUD
Contact fi:	Not Reported	Contact la:	Not Reported
Contact ty:	Not Reported	Contact ho:	Not Reported
Contact pr:	Not Reported	Contact 1:	Not Reported
Contact st:	Not Reported	Contact su:	Not Reported
Contact po:	Not Reported	Contact ci:	Not Reported
Contact 2:	Not Reported	Contact zi:	Not Reported
Contact ph:	Not Reported	Contact 3:	Not Reported
Location i:	302500		
Gps id:	302500		
Wsrp id:	Not Reported	Action:	Not Reported
Potable st:	POTABLE	Petroleum :	Not Detects
Solvent st:	Not Detects		
Resident t:	OWNER		
Other agen:	Not Reported	Software:	Well_Solo_v2
Streetside:	No	Agency:	DOH
Parcel id:	Not Reported	Site id:	FLSA30000034180

**68
NW
1/2 - 1 Mile
Higher**

FL WELLS FLSO30000045183

Permit no:	49-01737-W	App no:	061030-12
Permit typ:	GP		
Project na:	C E OUTDOOR SERVICES NURSERY		
Lu code:	NUR		
Acres serv:	25		
Facil id:	195383		
Facil type:	WELL	Facil name:	Well No. 5
Pump type:	SUB		
Diameter:	4		
Pump depth:	84		
Pump capac:	90		
X coord:	565027		
Y coord:	1397125		
Well depth:	400	Case depth:	230
Use status:	Primary		
Fac status:	P		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Louis Bustamante	Secno:	35
Twp:	26	Rge:	30
Site id:	FLSO30000045183		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

P69
NW
1/2 - 1 Mile
Higher

FL WELLS FLSO30000045186

Permit no:	49-01737-W	App no:	061030-12
Permit typ:	GP		
Project na:	C E OUTDOOR SERVICES NURSERY		
Lu code:	NUR		
Acres serv:	25		
Facil id:	195379		
Facil type:	WELL	Facil name:	Well No. 1
Pump type:	SUB		
Diameter:	4		
Pump depth:	84		
Pump capac:	90		
X coord:	565556		
Y coord:	1397581		
Well depth:	400	Case depth:	230
Use status:	Primary		
Fac status:	E		
Source:	Floridan Aquifer System		
Water use:	Irrigation		
Reviewer:	Louis Bustamante	Secno:	35
Twp:	26	Rge:	30
Site id:	FLSO30000045186		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: FL Radon

Radon Test Results

Zip	Total Buildings	% of sites > 4 pCi/L	Data Source
34772	7	0.0	Certified Residential Database
34772	7	0.0	Mandatory Non-Residential Database
34772	1	0.0	Mandatory Residential Database

Federal EPA Radon Zone for OSCEOLA County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for OSCEOLA COUNTY, FL

Number of sites tested: 25

Area	Average Activity	% < 4 pCi/L	% 4-20 pCi/L	% > 20 pCi/L
Living Area	0.580 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Department of Environmental Protection

Telephone: 850-245-8238

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Well Construction Permitting Database

Source: Northwest Florida Water Management District

Telephone: 850-539-5999

Consumptive Use Permit Well Database

Source: St. Johns River Water Management District

Telephone: 386-329-4841

Permitted Well Location Database

Source: South Florida Water Management District

Telephone: 561-682-6877

Super Act Program Well Data

This table consists of data relating to all privately and publicly owned potable wells investigated as part of the SUPER Act program. The Florida Department of Health's SUPER Act Program (per Chapter 376.3071(4)(g), Florida Statutes), was given authority to provide field and laboratory services, toxicological risk assessments, investigations of drinking water contamination complaints and education of the public

Source: Department of Health

Telephone: 850-245-4250

Water Well Location Information

Source: Suwannee River Water Management District

Telephone: 386-796-7211

Water Well Permit Database

Source: Southwest Water Management District

Telephone: 352-796-7211

OTHER STATE DATABASE INFORMATION

Florida Sinkholes

Source: Department of Environmental Protection, Geological Survey

The sinkhole data was gathered by the Florida Sinkhole Research Institute, University of Florida.

Oil and Gas Permit Database

Source: Department of Environmental Protection

Telephone: 850-245-3194

Locations of all permitted wells in the state of Florida.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

RADON

State Database: FL Radon

Source: Department of Health
Telephone: 850-245-4288
Zip Code Based Radon Data

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SAINT CLOUD	S106785215	CROTTY'S UNLIMITED INC 03-11-3122	SR 15 / 10TH ST		LUST
SAINT CLOUD	U004034190	CROTTY'S UNLIMITED INC 03-11-3122	SR 15 & 10TH ST		UST
SAINT CLOUD	S108069443	ST CLOUD VILLAS - PHASE 2	4300 FORGET ME NOT CT		NPDES
ST CLOUD	S106814747	RINKER MATERIALS/ST CLOUD	HICKORY TREE RD		NPDES
SAINT CLOUD	S107717414	DAVIS SUPPLY - SAINT CLOUD	2100 HICKORY TREE ROAD	34772	TIER 2
SAINT CLOUD	S108668370	LAKESHORE STORM WATER IMPROVEMENTS, CITY OF ST CLO	LAKESHORE BLVD		NPDES
ST CLOUD	S105955896	ST CLOUD SOUTHSIDE #2 WWTF	5701 MICHIGAN AVENUE		NPDES
SAINT CLOUD	S105966197	PHOENIX TRANSPORT & SERVICES 02-11-3187	4 MILES S OF ALLIGATOR INN ON HWY 192		LUST
SAINT CLOUD	U004034170	PHOENIX TRANSPORT & SERVICES 02-11-3187	4 MILES S OF ALLIGATOR INN ON HWY 19		UST
ST CLOUD	S107939422	ST. CLOUD LANDFILL, CLASS I	BUDINGER / 17TH STREET	34772	SWF/LF
ST CLOUD	1008173569	OUC ST CLOUD TRANSMISSION LINE	CANOE CREEK RD S, DEER RUN RD	34772	FINDS
ST CLOUD	1010497674	ST CLOUD COLONIAL BANK	SE CORNER OF HICKORY TREE RD &	34772	FINDS
ST CLOUD	1008155596	OUC ST CLOUD SOUTH SUBSTATION	INTERSECTION OF COUNTY ROADS E	34772	FINDS
ST CLOUD	1005691780	EWELL/ST CLOUD	4820 E IRLO BRONSON MEMORIAL P	34772	FINDS
ST CLOUD	1010491563	CITY OF ST CLOUD WATER TREATME	KISSIMMEE PARK ROAD	34772	FINDS
ST CLOUD	1009438803	ST CLOUD GOLF COURSE MAINTENAN	5310 MICHIGAN AVE	34772	FINDS

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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CROTTY'S UNLIMITED INC 03-11-3122
SR 15 / 10TH ST
SAINT CLOUD, FL

LUST **S106785215**
N/A

LUST:

Region: STATE
 Facility Id: 9807042
 2nd Facility Addr: Not reported
 District: Central District
 Facility Status: CLOSED
 Facility Type: Q - Emergency Response Spill Site -
 Operator: Not reported
 Facility Phone: Not reported
 Name Update: Not reported
 Address Update: Not reported
 Lat/Long (dms): 28 14 46.18 / 81 14 37.8999999
 Feature: Not reported
 Method: Not reported
 Datum: Not reported
 Section: Not reported
 Township: Not reported
 Range: Not reported
 Score: 40
 Score Effective Date: 04-23-2005
 Score When Ranked: 40
 Facility Cleanup Rank: 4215

Discharge Cleanup Summary:

Discharge Date: 07-25-2003
 Pct Discharge Combined With: Not reported
 Cleanup Required: R - CLEANUP REQUIRED
 Discharge Cleanup Status: DNR - DISCHARGE NOTIFICATION RECEIVED
 Disch Cleanup Status Date: 01-27-2005
 Cleanup Work Status: INACTIVE
 Information Source: R - EMERGENCY RESPONSE REPORT
 Other Source Description: BER
 Eligibility Indicator: I
 Site Manager: WISDOM_JM
 Site Mgr End Date: Not reported
 Tank Office: PCLP53 - Polk County

Petroleum Cleanup Program Eligibility:

Facility ID: Not reported
 Discharge Date: Not reported
 Pct Discharge Combined With: Not reported
 Cleanup Required: Not reported
 Discharge Cleanup Status: Not reported
 Disch Cleanup Status Date: Not reported
 Cleanup Work Status: Not reported
 Information Source: Not reported
 Other Source Description: Not reported
 Application Received Date: Not reported
 Cleanup Program: Not reported
 Eligibility Status: Not reported
 Elig Status Date: Not reported
 Letter Of Intent Date: Not reported
 Redetermined: Not reported
 Inspection Date: Not reported
 Site Manager: Not reported
 Site Mgr End Date: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
CROTTY'S UNLIMITED INC 03-11-3122 (Continued)		S106785215
Tank Office:	Not reported	
Deductible Amount:	Not reported	
Deductible Paid To Date:	Not reported	
Co-Pay Amount:	Not reported	
Co-Pay Paid To Date:	Not reported	
Cap Amount:	Not reported	
Contaminated Media:		
Discharge Date:	07-25-2003	
Pct Discharge Combined With:	Not reported	
Cleanup Required:	R - CLEANUP REQUIRED	
Discharge Cleanup Status:	DNR - DISCHARGE NOTIFICATION RECEIVED	
Disch Cleanup Status Date:	01-27-2005	
Cleanup Work Status:	INACTIVE	
Information Source:	R - EMERGENCY RESPONSE REPORT	
Other Source Description:	BER	
Elig Indicator:	I - INELIGIBLE	
Site Manager:	WISDOM_JM	
Site Mgr End Date:	Not reported	
Tank Office:	PCLP53 - Polk County	
Contaminated Drinking Wells:	Not reported	
Contaminated Monitoring Well:	Not reported	
Contaminated Soil:	Yes	
Contaminated Surface Water:	No	
Contaminated Ground Water:	No	
Pollutant:	D - VEHICULAR DIESEL	
Pollutant Other Description:	SEPTIC TANK TRUCK COLLIDED W/ANOTHER VEHICLE.	
Gallons Discharged:	30	
Task Information:		
District:	CD	
Facility ID:	9807042	
Facility Status:	CLOSED	
Facility Type:	Q - Emergency Response Spill Site - Emergency Response Spill Site	
Discharge Date:	07-25-2003	
Pct Discharge Combined With:	Not reported	
Cleanup Required:	R - CLEANUP REQUIRED	
Discharge Cleanup Status:	DNR - DISCHARGE NOTIFICATION RECEIVED	
Disch Cleanup Status Date:	01-27-2005	
Cleanup Work Status:	INACTIVE	
Eligibility Indicator:	I	
Site Manager:	WISDOM_JM	
Site Mgr End Date:	Not reported	
Tank Office:	PCLP53 - Polk County	
SR Task ID:	Not reported	
SR Cleanup Responsible:	-	
SR Funding Elig Type:	-	
SR Actual Cost:	Not reported	
SR Actual Completion Date:	Not reported	
SR Payment Date:	Not reported	
SR Oral Date:	Not reported	
SR Written Date:	Not reported	
Soil Removal:	Not reported	
Free Product Removal:	Not reported	
Soil Tonnage Removed:	Not reported	
Soil Treatment:	Not reported	
Other Treatment:	Not reported	
SR Alt Procedure Recieved:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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CROTTY'S UNLIMITED INC 03-11-3122 (Continued)

S106785215

SR Alt Procedure Status: Not reported
 SR Alt Procedure Status Date: Not reported
 SR Alt Procedure Comments: Not reported
 SA ID: Not reported
 SA Cleanup Responsible: -
 SA Funding Elig Type: -
 SA Actual Cost: Not reported
 SA Actual Completion Date: Not reported
 SA Payment Date: Not reported
 RAP Task ID: Not reported
 RAP Cleanup Responsible ID: -
 RAP Funding Elig Type: -
 RAP Actual Cost: Not reported
 RAP Actual Completion Date: Not reported
 RAP Payment Date: Not reported
 RAP Last Order Approved: Not reported
 RA Task ID: Not reported
 RA Cleanup Responsible: -
 RA Funding Elig Type: -
 Ra Years to Complete: Not reported
 RA Actual Cost: Not reported
 SRC Action Type: -
 SRC Submit Date: Not reported
 SRC Review Date: Not reported
 SRC Completion Status: -
 SRC Completion Status Date: Not reported
 SRC Issue Date: Not reported
 SRC Comment: Not reported

CROTTY'S UNLIMITED INC 03-11-3122
SR 15 & 10TH ST
SAINT CLOUD, FL

UST U004034190
N/A

UST:

Facility ID: 9807042
 Facility Phone: Not reported
 Facility Status: CLOSED
 Facility Type: Not reported
 Type Description: Emergency Response Spill Si
 DEP Contrctr Own: No
 Lat/Long (dms): Not reported
 Positioning Method: Not reported

Tank Id: Not reported
 Tank Location: Not reported
 Substance: Not reported
 Content Description: Not reported
 Vessel Indicator: Not reported
 Gallons: Not reported
 Install Date: Not reported
 Status: Not reported
 Status Date: Not reported

Construction:

Construction Category: Not reported
 Construction Description: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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CROTTY'S UNLIMITED INC 03-11-3122 (Continued)		U004034190
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Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

ST CLOUD VILLAS - PHASE 2 4300 FORGET ME NOT CT SAINT CLOUD, FL	NPDES	S108069443 N/A
--	--------------	---------------------------------

WASTEWATER:
Flag: STORM WATER
District Office: TLST
Facility ID: FLR10DB37
NPDES Permitted Site: Not reported
Facility Type: Construction Stormwater GP
Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.

Facility Address: Not reported
Owner Type: Any private, non-government organization.
Permit Capacity: Not reported
Domestic Water Class: Not reported
Party Name: Beverly Houglund, PMTE
Company Name: St Cloud Villas - Phase 2 Inc
RP Address: 1099 Shady Ln
RP Address 2: Not reported
PR City,Stat,Zip: Kissimmee FL 34744
Telephone: 4078468535
Email: Not reported
Issue Date: 5/28/2006
Expiration Date: 5/27/2011
DOC Description: Generic Permit
Treatment: Not reported

RINKER MATERIALS/ST CLOUD HICKORY TREE RD ST CLOUD, FL	NPDES	S106814747 N/A
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WASTEWATER:
Flag: INDUSTRIAL
District Office: CD
Facility ID: FLG110650
NPDES Permitted Site: Yes
Facility Type: Concrete Batch GP
Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.

Facility Address: Not reported
Owner Type: Any private, non-government organization.
Permit Capacity: Not reported
Domestic Water Class: Not reported
Party Name: Jeffrey R Porter, Project Manager

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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RINKER MATERIALS/ST CLOUD (Continued)		S106814747
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Company Name: Rinker Materials of Florida Inc
 RP Address: 1501 Belvedere Rd
 RP Address 2: Not reported
 PR City,Stat,Zip: West Palm Beach FL 33406-1501
 Telephone: 5618208415
 Email: Not reported
 Issue Date: 4/18/2005
 Expiration Date: 4/17/2010
 DOC Description: Generic Permit
 Treatment: Not reported

DAVIS SUPPLY - SAINT CLOUD 2100 HICKORY TREE ROAD SAINT CLOUD, FL 34772	TIER 2	S107717414 N/A
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TIER 2:

SERC: 30911
 Program Level: 2
 PIME: 7645
 SIC Code: 4941
 SIC Code 2: Not reported
 NAICS Code: 22131
 RCRA Code: Not reported
 RCRA Code 2: Not reported
 NPDES Code: 028252695
 NPDES Code 2: Not reported
 UIC Code: Not reported
 UIC Code 2: Not reported
 DUNS BRAD STREET: 028252695
 DUNS BRAD STREET 2: Not reported
 TRI Code: Not reported
 EPA Code: 100000182964
 EPA Code 2: Not reported
 LEPC: 6
 Latitude: 28.23509
 Longitude: -81.25609
 Inactive Date: 4/12/2006
 Active Date: 1/1/2002
 Sale Pending: No
 Archive Box#: Not reported
 SEC304: Yes
 SEC302: Yes
 302 Date: Not reported
 302 Payment ID: 0
 302 Retraction: Not reported
 SEC311: Yes
 SEC313: No
 SEC112R: No
 112 Date: Not reported
 112R Level: Not reported
 112R Exeptom: Not reported
 Original Date: Not reported
 Der Registration Date: 8/1/2006
 313 Parent: Not reported
 313 Parent D&B: Not reported
 SERC Code: 30911
 First Letter: D

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
DAVIS SUPPLY - SAINT CLOUD (Continued)		S107717414
Ha Site Visit Date: Not reported 302 NOAFLAG: No PLOT Source: Address Chemical ID: 170265 Tier 2 Report ID: 79447 CAS Number: 7782505 Chemical Name: Chlorine Average Amount: 3 Maximum Amount: 4800 SEC302: Yes SEC311: Yes SEC313: Yes SEC3112R: Yes SEC304: Yes Chemical Date: 1/2/1972		
Chemical ID: 176183 Tier 2 Report ID: 83746 CAS Number: 7782505 Chemical Name: Chlorine Average Amount: 3 Maximum Amount: 5250 SEC302: Yes SEC311: Yes SEC313: Yes SEC3112R: Yes SEC304: Yes Chemical Date: 1/2/1972		
Chemical ID: 209433 Tier 2 Report ID: 88845 CAS Number: 7782505 Chemical Name: Chlorine Average Amount: 3 Maximum Amount: 5250 SEC302: Yes SEC311: Yes SEC313: Yes SEC3112R: Yes SEC304: Yes Chemical Date: 4/6/2005		
Chemical ID: 232107 Tier 2 Report ID: 93068 CAS Number: 7664939 Chemical Name: Sulfuric acid Average Amount: 3 Maximum Amount: 9952 SEC302: Yes SEC311: Yes SEC313: No SEC3112R: No SEC304: Yes Chemical Date: 3/30/2006		
Chemical ID: 232106 Tier 2 Report ID: 93068		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
DAVIS SUPPLY - SAINT CLOUD (Continued)		S107717414
CAS Number: 7782505 Chemical Name: Chlorine Average Amount: 3 Maximum Amount: 1800 SEC302: Yes SEC311: Yes SEC313: Yes SEC3112R: No SEC304: Yes Chemical Date: 3/30/2006		
Chemical ID: 253413 Tier 2 Report ID: 96522 CAS Number: 7664939 Chemical Name: Sulfuric acid Average Amount: 3 Maximum Amount: 4775 SEC302: Yes SEC311: Yes SEC313: No SEC3112R: No SEC304: Yes Chemical Date: 2/16/2007		
Chemical ID: 253412 Tier 2 Report ID: 96522 CAS Number: 7782505 Chemical Name: Chlorine Average Amount: 3 Maximum Amount: 1800 SEC302: Yes SEC311: Yes SEC313: Yes SEC3112R: No SEC304: Yes Chemical Date: 2/16/2007		
County Code: 5		
County Code: 35		
County Code: 48		
County Code: 49		
County Code: 57		
County Code: 64		
Company Name: DAVIS SUPPLY Company Address: POST OFFICE BOX 60095 Company City,St,Zip: FORT MYERS, FL 33906-6095 Company Phone: 239-931-6700 Company Fax: Not reported Company Email: Not reported FEI Number: 593482276 Company Contact Name: JAMES DAVIS		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
DAVIS SUPPLY - SAINT CLOUD (Continued)		S107717414
Cmpny Contact Phone: 239-931-6700 Reduced Fees: No Exempt Fees: No Electronic Filing: Yes Employee: Not reported Company Comments: Not reported		
Contact ID: 22752 Contact Type: Tier II Emergency Contact Contact Name: JAMES H DAVIS Contact Title: PRESIDENT Contact Phone: 239-931-6700 Cntct 24Hr Phone: 239-482-0549		
Contact ID: 22753 Contact Type: Tier II Secondary Contact Contact Name: MATTEHW DAVIS Contact Title: VICE PRESIDENT Contact Phone: 727-919-4119 Cntct 24Hr Phone: 727-842-8898		
SEC302: Yes Active Date: 1/1/2002 Inactive Date: Not reported Old HMIS Date: Not reported Visit for 2001: No Visit for 2002: No Visit for 2003: No Visit for 2004: Yes Visit for 2005: No Site Visit Date: Not reported		
Hazard ID: 6 Fire: No Preasure: Yes Reactivitye: No Acute: Yes Chronic: Yes CAS Number: 7664417 Chemical Name: Ammonia (anhydrous)		
Location ID: 251197 Chemical ID: 22131 Chemical State: LIQUID Mixture: F Mixture Percent: 100 Containter: CONV Pressure: CONV Temperature: CONV Average Amount: 5 Maximum Amount: 500000 Days on Site: 365 Site Plan: F Site Plan Document: Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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DAVIS SUPPLY - SAINT CLOUD (Continued)

S107717414

Private Location: F
Location: Not reported

Tier II Report ID: 5141
Report Year: 1993

Tier II Report ID: 13444
Report Year: 1994

Tier II Report ID: 21883
Report Year: 1995

Tier II Report ID: 30411
Report Year: 1996

Tier II Report ID: 39028
Report Year: 1997

Tier II Report ID: 47657
Report Year: 1998

Tier II Report ID: 56518
Report Year: 1999

Tier II Report ID: 65604
Report Year: 2000

Tier II Report ID: 74569
Report Year: 2001

Tier II Report ID: 79447
Report Year: 2002

Tier II Report ID: 83746
Report Year: 2003

Tier II Report ID: 88845
Report Year: 2004

Tier II Report ID: 93068
Report Year: 2005

Tier II Report ID: 96522
Report Year: 2006

Tier II Report ID: 102117
Report Year: 2007

Comments: 2/21/2007: TALKED TO MR. JIM DAVIS TODAY AND HE INFORMED ME THAT THIS FACILITY IS CLOSED. HE STATED THAT THEY SPLITED THE CHEMICALS BETWEEN THE OTHER THREE FACILITY SOMETIME IN APRIL. MCK.

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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LAKESHORE STORM WATER IMPROVEMENTS, CITY OF ST CLO LAKESHORE BLVD SAINT CLOUD, FL	NPDES	S108668370 N/A
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WASTEWATER:

Flag: STORM WATER
 District Office: TLST
 Facility ID: FLR10FD41
 NPDES Permitted Site: Not reported
 Facility Type: Construction Stormwater GP
 Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.
 Facility Address: Not reported
 Owner Type: An organization that is an identified part of a Florida municipality entity.
 Permit Capacity: Not reported
 Domestic Water Class: Not reported
 Party Name: Gratten White, Vice President
 Company Name: Jcb Construction, Inc
 RP Address: 800 W Gore St
 RP Address 2: Not reported
 PR City,Stat,Zip: Orlando FL 32805-3802
 Telephone: 4074259880
 Email: Not reported
 Issue Date: 5/9/2007
 Expiration Date: 5/8/2012
 DOC Description: Generic Permit
 Treatment: Not reported

ST CLOUD SOUTHSIDE #2 WWTF 5701 MICHIGAN AVENUE ST CLOUD, FL	NPDES	S105955896 N/A
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WASTEWATER:

Flag: DOMESTIC
 District Office: CD
 Facility ID: FLA010962
 NPDES Permitted Site: No
 Facility Type: Domestic WWTP
 Status: Active - Existing, permitted facility/site for which effluent, reclaimed water or wastewater residual discharge into the environment and/or monitoring is taking place.
 Facility Address: Not reported
 Owner Type: An organization that is an identified part of a Florida municipality entity.
 Permit Capacity: 1.6000000000000001
 Domestic Water Class: IIC
 Party Name: David E Mahler, Environmental Utilities Director
 Company Name: City of St Cloud
 RP Address: 1300 9th St
 RP Address 2: Not reported
 PR City,Stat,Zip: Saint Cloud FL 34769-3339
 Telephone: 4079577301
 Email: Not reported
 Issue Date: 1/12/2007
 Expiration Date: 1/10/2012
 DOC Description: Wastewater Permit
 Treatment: Contact Stabilization W/Surge Control & Filters,Public & Restricted Access

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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**PHOENIX TRANSPORT & SERVICES 02-11-3187
4 MILES S OF ALLIGATOR INN ON HWY 192
SAINT CLOUD, FL**

**LUST S105966197
N/A**

LUST:

Region: STATE
 Facility Id: 9805500
 2nd Facility Addr: Not reported
 District: Central District
 Facility Status: CLOSED
 Facility Type: Q - Emergency Response Spill Site -
 Operator: Not reported
 Facility Phone: Not reported
 Name Update: 02-25-2003
 Address Update: 07-22-2005
 Lat/Long (dms): 26 7 37 / 87 12 20
 Feature: Not reported
 Method: Not reported
 Datum: Not reported
 Section: Not reported
 Township: Not reported
 Range: Not reported
 Score: 5
 Score Effective Date: 08-04-2003
 Score When Ranked: Not reported
 Facility Cleanup Rank: Not reported

Discharge Cleanup Summary:

Discharge Date: 10-24-2002
 Pct Discharge Combined With: Not reported
 Cleanup Required: R - CLEANUP REQUIRED
 Discharge Cleanup Status: NFA - NFA COMPLETE
 Disch Cleanup Status Date: 04-15-2005
 Cleanup Work Status: COMPLETED
 Information Source: R - EMERGENCY RESPONSE REPORT
 Other Source Description: BER
 Eligibility Indicator: I
 Site Manager: WHITE_CL
 Site Mgr End Date: 04-11-2005
 Tank Office: PCLP48 - Orange County

Petroleum Cleanup Program Eligibility:

Facility ID: Not reported
 Discharge Date: Not reported
 Pct Discharge Combined With: Not reported
 Cleanup Required: Not reported
 Discharge Cleanup Status: Not reported
 Disch Cleanup Status Date: Not reported
 Cleanup Work Status: Not reported
 Information Source: Not reported
 Other Source Description: Not reported
 Application Received Date: Not reported
 Cleanup Program: Not reported
 Eligibility Status: Not reported
 Elig Status Date: Not reported
 Letter Of Intent Date: Not reported
 Redetermined: Not reported
 Inspection Date: Not reported
 Site Manager: Not reported
 Site Mgr End Date: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
PHOENIX TRANSPORT & SERVICES 02-11-3187 (Continued)		S105966197
Tank Office:	Not reported	
Deductible Amount:	Not reported	
Deductible Paid To Date:	Not reported	
Co-Pay Amount:	Not reported	
Co-Pay Paid To Date:	Not reported	
Cap Amount:	Not reported	
Contaminated Media:		
Discharge Date:	10-24-2002	
Pct Discharge Combined With:	Not reported	
Cleanup Required:	R - CLEANUP REQUIRED	
Discharge Cleanup Status:	NFA - NFA COMPLETE	
Disch Cleanup Status Date:	04-15-2005	
Cleanup Work Status:	COMPLETED	
Information Source:	R - EMERGENCY RESPONSE REPORT	
Other Source Description:	BER	
Elig Indicator:	I - INELIGIBLE	
Site Manager:	WHITE_CL	
Site Mgr End Date:	04-11-2005	
Tank Office:	PCLP48 - Orange County	
Contaminated Drinking Wells:	Not reported	
Contaminated Monitoring Well:	Not reported	
Contaminated Soil:	Yes	
Contaminated Surface Water:	Not reported	
Contaminated Ground Water:	Yes	
Pollutant:	D - VEHICULAR DIESEL	
Pollutant Other Description:	TRUCK TURNED OVER.	
Gallons Discharged:	150	
Task Information:		
District:	CD	
Facility ID:	9805500	
Facility Status:	CLOSED	
Facility Type:	Q - Emergency Response Spill Site - Emergency Response Spill Site	
Discharge Date:	10-24-2002	
Pct Discharge Combined With:	Not reported	
Cleanup Required:	R - CLEANUP REQUIRED	
Discharge Cleanup Status:	NFA - NFA COMPLETE	
Disch Cleanup Status Date:	04-15-2005	
Cleanup Work Status:	COMPLETED	
Eligibility Indicator:	I	
Site Manager:	WHITE_CL	
Site Mgr End Date:	04-11-2005	
Tank Office:	PCLP48 - Orange County	
SR Task ID:	Not reported	
SR Cleanup Responsible:	-	
SR Funding Elig Type:	-	
SR Actual Cost:	Not reported	
SR Actual Completion Date:	Not reported	
SR Payment Date:	Not reported	
SR Oral Date:	Not reported	
SR Written Date:	Not reported	
Soil Removal:	Not reported	
Free Product Removal:	Not reported	
Soil Tonnage Removed:	Not reported	
Soil Treatment:	Not reported	
Other Treatment:	Not reported	
SR Alt Procedure Recieved:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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PHOENIX TRANSPORT & SERVICES 02-11-3187 (Continued)		S105966197
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SR Alt Procedure Status: Not reported
 SR Alt Procedure Status Date: Not reported
 SR Alt Procedure Comments: Not reported
 SA ID: 70747
 SA Cleanup Responsible: -
 SA Funding Elig Type: -
 SA Actual Cost: Not reported
 SA Actual Completion Date: Not reported
 SA Payment Date: Not reported
 RAP Task ID: Not reported
 RAP Cleanup Responsible ID: -
 RAP Funding Elig Type: -
 RAP Actual Cost: Not reported
 RAP Actual Completion Date: Not reported
 RAP Payment Date: Not reported
 RAP Last Order Approved: Not reported
 RA Task ID: 75863
 RA Cleanup Responsible: -
 RA Funding Elig Type: -
 Ra Years to Complete: 0
 RA Actual Cost: Not reported
 SRC Action Type: NFA - NO FURTHER ACTION
 SRC Submit Date: 01-04-2005
 SRC Review Date: 01-06-2005
 SRC Completion Status: A - APPROVED
 SRC Completion Status Date: 01-06-2005
 SRC Issue Date: 04-06-2005
 SRC Comment: Not reported

PHOENIX TRANSPORT & SERVICES 02-11-3187 4 MILES S OF ALLIGATOR INN ON HWY 19 SAINT CLOUD, FL	UST	U004034170 N/A
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UST:
 Facility ID: 9805500
 Facility Phone: Not reported
 Facility Status: CLOSED
 Facility Type: Not reported
 Type Description: Emergency Response Spill Si
 DEP Contrctr Own: No
 Lat/Long (dms): Not reported
 Positioning Method: Not reported

Tank Id: Not reported
 Tank Location: Not reported
 Substance: Not reported
 Content Description: Not reported
 Vessel Indicator: Not reported
 Gallons: Not reported
 Install Date: Not reported
 Status: Not reported
 Status Date: Not reported

Construction:
 Construction Category: Not reported
 Construction Description: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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PHOENIX TRANSPORT & SERVICES 02-11-3187 (Continued)		U004034170
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Monitoring:
Monitoring Description: Not reported

Piping:
Piping Category: Not reported
Piping Description: Not reported

ST. CLOUD LANDFILL, CLASS I BUDINGER / 17TH STREET ST CLOUD, FL 34772	SWF/LF	S107939422 N/A
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SWF/LF:
Facility ID: 00025469
District: CD
Lat/Long: 28:14:7399 / 81:18:28.4063
Class Type: CLASS I LANDFILL
Class Status: CLOSED, WITH GW MONITORING
Facility Status: ACTIVE
Section: 09
Township: 26S
Range: 30E
Responsible Authority Name: ROBERT MACKICHAN, PUBLIC WORK DIRECTOR
Responsible Authority Address: 1300 9TH STREET
Responsible Authority City,St,Zip: ST. CLOUD, FL 34769
Responsible Authority Phone: Not reported

Facility ID: 00025469
District: CD
Lat/Long: 28:13:59.3 / 81:18:26.29
Class Type: TRANSFER STATION
Class Status: ACTIVE
Facility Status: ACTIVE
Section: 09
Township: 26S
Range: 30E
Responsible Authority Name: ROBERT MACKICHAN, PUBLIC WORK DIRECTOR
Responsible Authority Address: 1300 9TH STREET
Responsible Authority City,St,Zip: ST. CLOUD, FL 34769
Responsible Authority Phone: Not reported

OUC ST CLOUD TRANSMISSION LINE CANOE CREEK RD S, DEER RUN RD ST CLOUD, FL 34772	FINDS	1008173569 110020728060
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FINDS:
Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
<p>ST CLOUD COLONIAL BANK SE CORNER OF HICKORY TREE RD & ST CLOUD, FL 34772</p> <p>FINDS: Other Pertinent Environmental Activity Identified at Site</p> <p>PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.</p>	FINDS	1010497674 110032835476
<p>OUC ST CLOUD SOUTH SUBSTATION INTERSECTION OF COUNTY ROADS E ST CLOUD, FL 34772</p> <p>FINDS: Other Pertinent Environmental Activity Identified at Site</p> <p>PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.</p>	FINDS	1008155596 110020549147
<p>EWELL/ST CLOUD 4820 E IRLO BRONSON MEMORIAL P ST CLOUD, FL 34772</p> <p>FINDS: Other Pertinent Environmental Activity Identified at Site</p> <p>PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.</p>	FINDS	1005691780 110006780590
<p>CITY OF ST CLOUD WATER TREATME KISSIMMEE PARK ROAD ST CLOUD, FL 34772</p> <p>FINDS: Other Pertinent Environmental Activity Identified at Site</p> <p>PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.</p>	FINDS	1010491563 110032786723

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
ST CLOUD GOLF COURSE MAINTENAN 5310 MICHIGAN AVE ST CLOUD, FL 34772	FINDS	1009438803	110024563168

FINDS:

Other Pertinent Environmental Activity Identified at Site

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

APPENDIX H

CERTIFIED SANBORN® MAP REPORT (NO COVERAGE)

APPENDIX H1
KISSIMMEE FIELD STATION



Kissimmee Field Station

80 S. Hoagland Blvd.

Kissimmee, FL 34741

Inquiry Number: 2276756.3

July 24, 2008

Certified Sanborn® Map Report

Certified Sanborn® Map Report

7/24/08

Site Name:

Kissimmee Field Station
80 S. Hoagland Blvd.
Kissimmee, FL 34741

Client Name:

URS Corporation
7800 Congress Avenue
Boca Raton, FL 33487



EDR Inquiry # 2276756.3

Contact: Jamie Sullivan

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by URS Corporation were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Kissimmee Field Station
Address: 80 S. Hoagland Blvd.
City, State, Zip: Kissimmee, FL 34741
Cross Street:
P.O. # 07242008
Project: Kissimmee Field
Certification # D2D0-4601-B39C



Sanborn® Library search results
Certification # D2D0-4601-B39C

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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APPENDIX H2
SAINT CLOUD ANNEX



St. Cloud (Kissimmee) Annex

4175 Edsel Avenue

Saint Cloud, FL 34772

Inquiry Number: 2276768.3

July 24, 2008

Certified Sanborn® Map Report

Certified Sanborn® Map Report

7/24/08

Site Name:

St. Cloud (Kissimmee) Annex
4175 Edsel Avenue
Saint Cloud, FL 34772

Client Name:

URS Corporation
7800 Congress Avenue
Boca Raton, FL 33487



EDR Inquiry # 2276768.3

Contact: Jamie Sullivan

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by URS Corporation were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: St. Cloud (Kissimmee) Annex
Address: 4175 Edsel Avenue
City, State, Zip: Saint Cloud, FL 34772
Cross Street:
P.O. # 07242008.1
Project: St. Cloud Annex
Certification # 152A-4C96-8CCE



Sanborn® Library search results
Certification # 152A-4C96-8CCE

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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APPENDIX I
CITY DIRECTORY ABSTRACT

APPENDIX I1
KISSIMMEE FIELD STATION

Kissimmee Field Station

80 S. Hoagland Blvd.
Kissimmee, FL 34741

Inquiry Number: 2276756.6
July 25, 2008

The EDR-City Directory Abstract

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1925 through 1999. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: July 25, 2008

Target Property:

80 S. Hoagland Blvd.
Kissimmee, FL 34741

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1925	Alphabetical Listing Only	Polk's City Directory
1959	Street Not Listed in Research Source	Polk's City Directory
1966	Street Not Listed in Research Source	Polk's City Directory
1971	Street Not Listed in Research Source	Polk's City Directory
1977	Street Not Listed in Research Source	Polk's City Directory
1982	Street Not Listed in Research Source	Polk's City Directory
1994	FL State Water Mgmt	Polk's City Directory
1999	FL State Water Mgmt	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Kissimmee, FL 34741

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1925	Alphabetical Listing Only	Polk's City Directory
1959	Street Not Listed in Research Source	Polk's City Directory
1966	Street Not Listed in Research Source	Polk's City Directory
1971	Street Not Listed in Research Source	Polk's City Directory
1977	Street Not Listed in Research Source	Polk's City Directory
1982	Street Not Listed in Research Source	Polk's City Directory
1994	<u>** S HOAGLAND BLVD **</u>	Polk's City Directory
	Kissimmee Spring Water Co (15)	Polk's City Directory
	Address not listed in research source (108)	Polk's City Directory
	Address not listed in research source (113)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	Address not listed in research source (180)	Polk's City Directory
	No other addresses 1 to 299	Polk's City Directory
1999	<u>** S HOAGLAND BLVD **</u>	Polk's City Directory
	Clarridge food store (15)	Polk's City Directory
	Residence (108)	Polk's City Directory
	Not Verified (113)	Polk's City Directory
	Not Verified (180)	Polk's City Directory
	No other addresses 1 to 299	Polk's City Directory

APPENDIX I2
SAINT CLOUD ANNEX

St. Cloud (Kissimmee) Annex

4175 Edsel Avenue
Saint Cloud, FL 34772

Inquiry Number: 2276768.6
July 25, 2008

The EDR-City Directory Abstract

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

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with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1971 through 1999. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: July 25, 2008

Target Property:

4175 Edsel Avenue
Saint Cloud, FL 34772

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Street Not Listed in Research Source	Polk's City Directory
1977	Street Not Listed in Research Source	Polk's City Directory
1983	Street Not Listed in Research Source	Polk's City Directory
1989	Street Not Listed in Research Source	Polk's City Directory
1994	Street Not Listed in Research Source	Polk's City Directory
1999	Not Verified	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Saint Cloud, FL 34772

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Street Not Listed in Research Source	Polk's City Directory
1977	Street Not Listed in Research Source	Polk's City Directory
1983	Street Not Listed in Research Source	Polk's City Directory
1989	Street Not Listed in Research Source	Polk's City Directory
1994	Street Not Listed in Research Source	Polk's City Directory
1999	<u>** EDSEL AVE **</u>	Polk's City Directory
	Not Verified (4140)	Polk's City Directory
	Residence (4167)	Polk's City Directory
	Residence (4171)	Polk's City Directory
	No address listings beyond the Target Property	Polk's City Directory

APPENDIX J

HISTORICAL TOPOGRAPHIC MAPS

APPENDIX J1
KISSIMMEE FIELD STATION



Kissimmee Field Station

80 S. Hoagland Blvd.

Kissimmee, FL 34741

Inquiry Number: 2276756.4

July 24, 2008

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

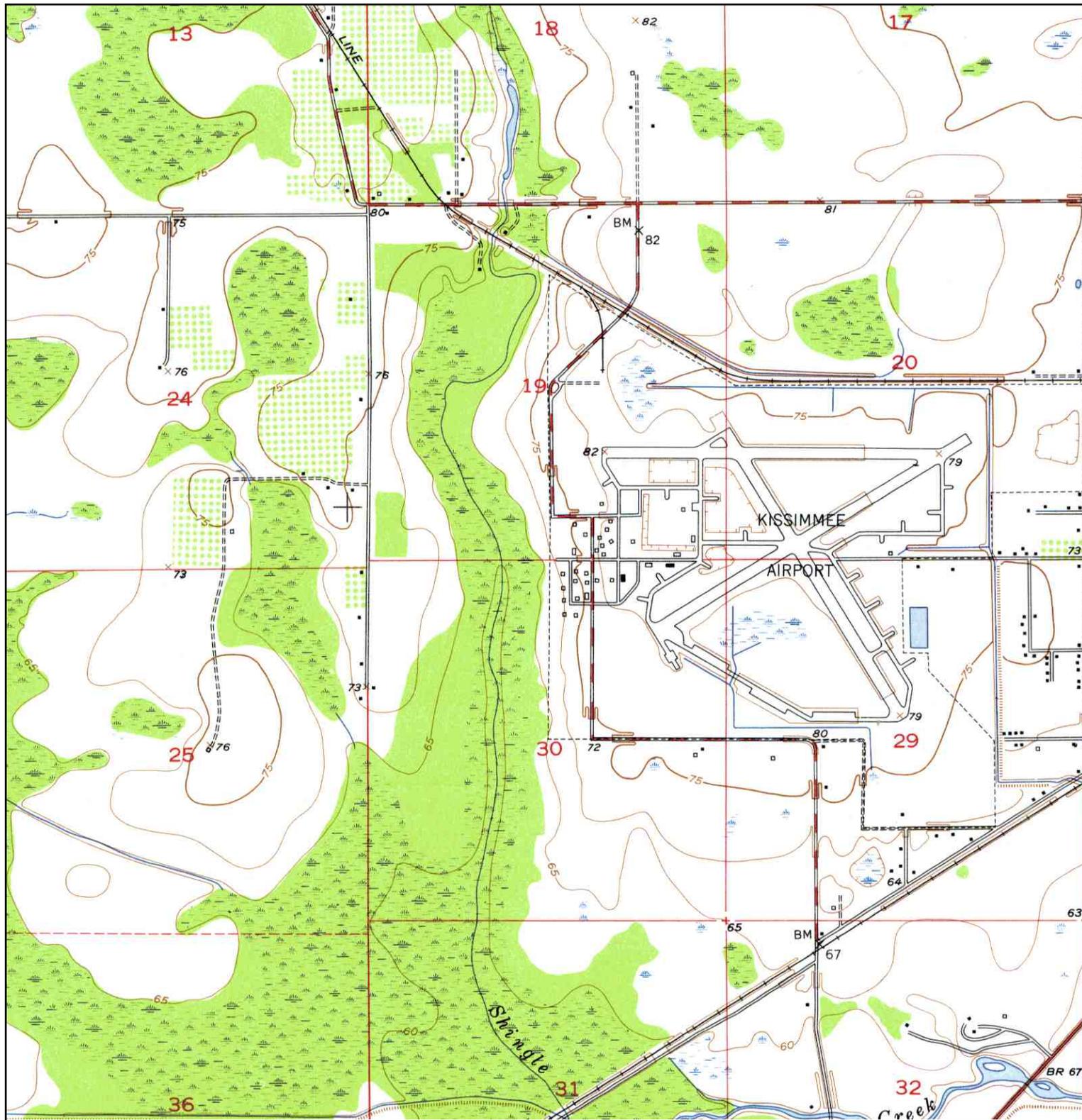
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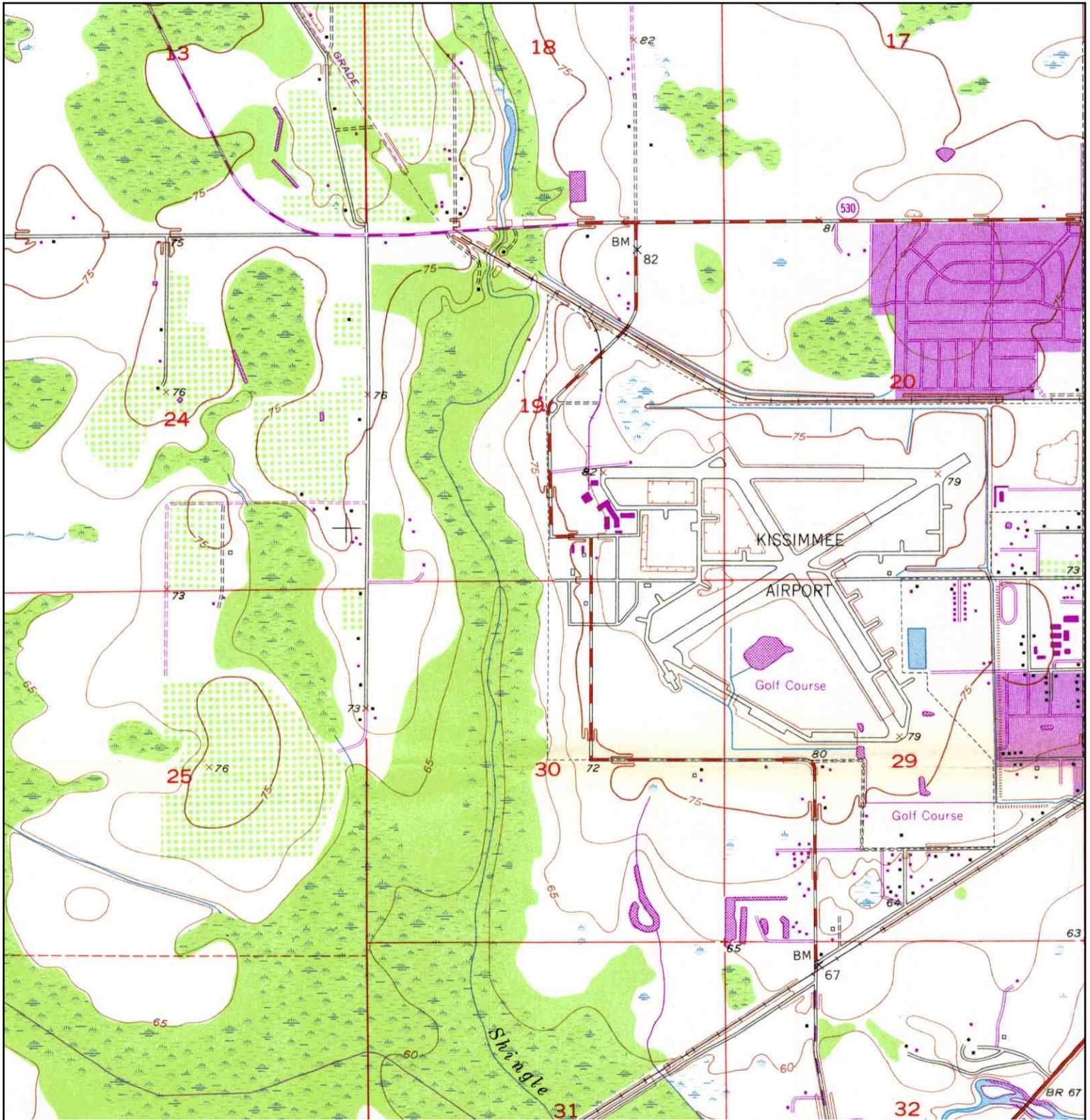
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Historical Topographic Map



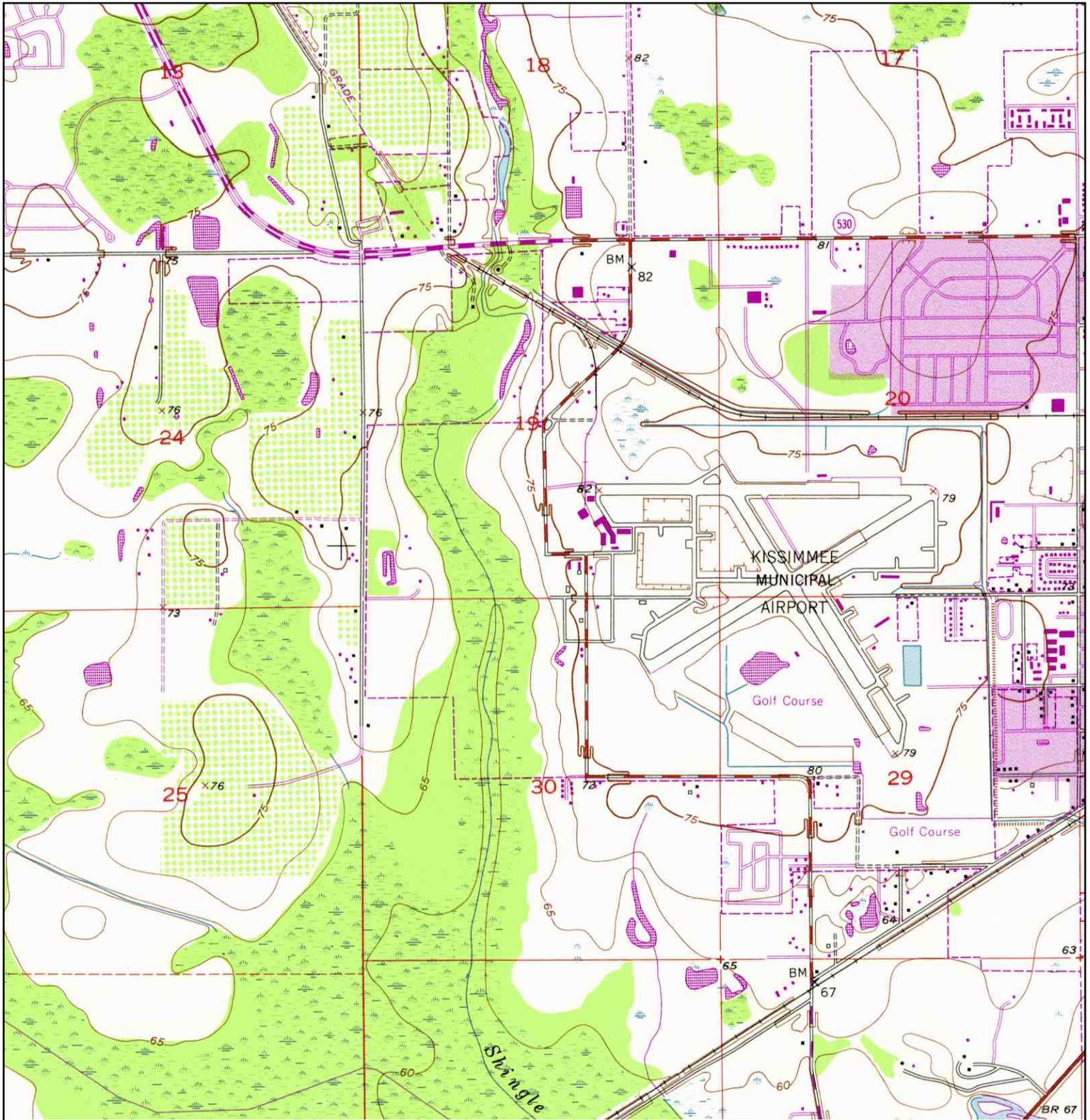
<p>N ↑</p>	<p>TARGET QUAD NAME: KISSIMMEE MAP YEAR: 1953</p>	<p>SITE NAME: Kissimmee Field Station ADDRESS: 80 S. Hoagland Blvd. Kissimmee, FL 34741 LAT/LONG: 28.2911 / 81.448</p>	<p>CLIENT: URS Corporation CONTACT: Jamie Sullivan INQUIRY#: 2276756.4 RESEARCH DATE: 07/24/2008</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

Historical Topographic Map



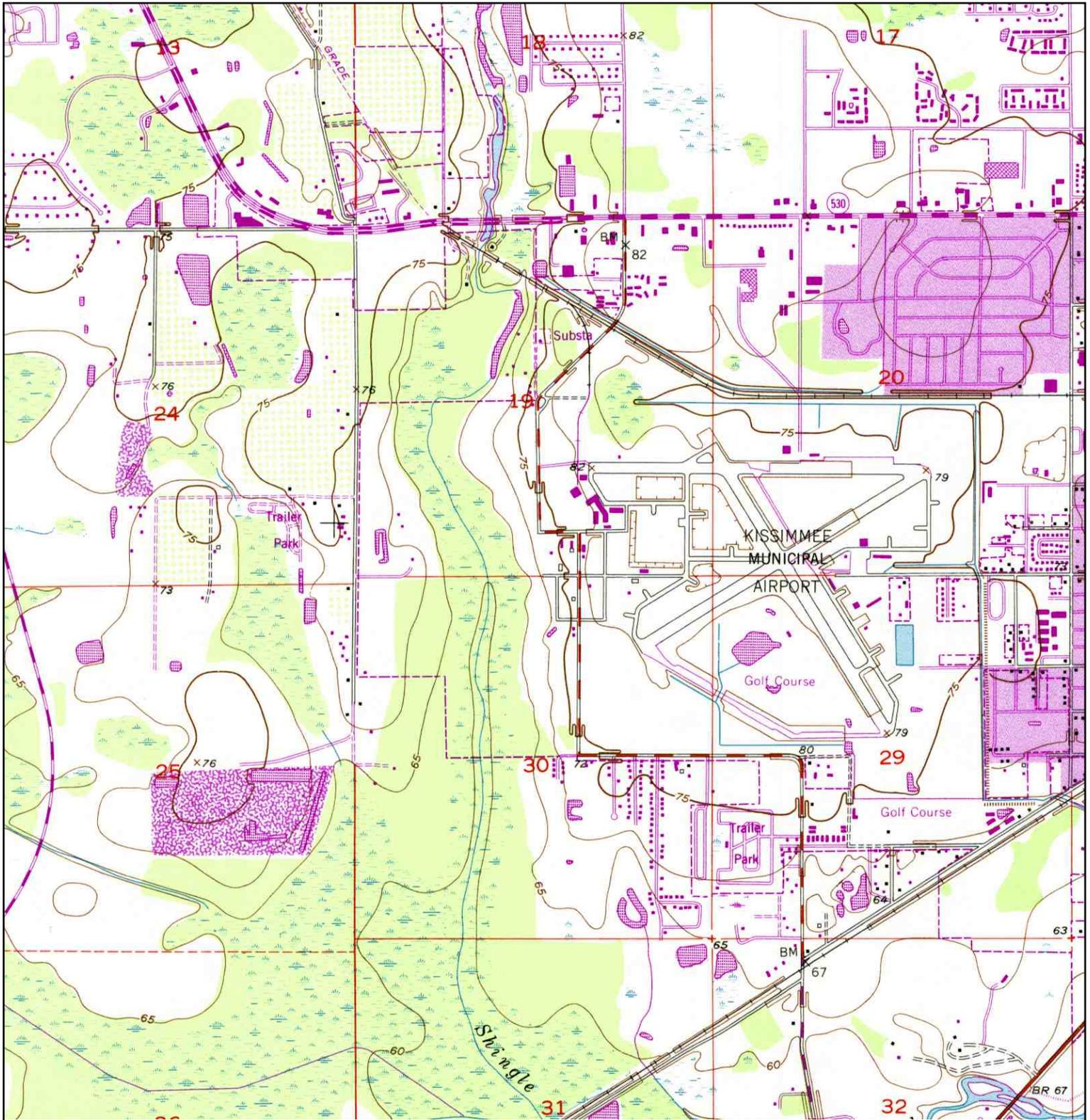
<p>N ↑</p>	TARGET QUAD	SITE NAME:	Kissimmee Field Station	CLIENT:	URS Corporation
	NAME: KISSIMMEE	ADDRESS:	80 S. Hoagland Blvd.	CONTACT:	Jamie Sullivan
	MAP YEAR: 1970		Kissimmee, FL 34741	INQUIRY#:	2276756.4
	PHOTOREVISED FROM: 1953	LAT/LONG:	28.2911 / 81.448	RESEARCH DATE:	07/24/2008
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Kissimmee Field Station	CLIENT:	URS Corporation
	NAME: KISSIMMEE	ADDRESS:	80 S. Hoagland Blvd.	CONTACT:	Jamie Sullivan
	MAP YEAR: 1980		Kissimmee, FL 34741	INQUIRY#:	2276756.4
	PHOTOREVISED FROM: 1953	LAT/LONG:	28.2911 / 81.448	RESEARCH DATE:	07/24/2008
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Kissimmee Field Station	CLIENT:	URS Corporation
	NAME: KISSIMMEE	ADDRESS:	80 S. Hoagland Blvd.	CONTACT:	Jamie Sullivan
	MAP YEAR: 1987		Kissimmee, FL 34741	INQUIRY#:	2276756.4
	PHOTOREVISED FROM: 1953	LAT/LONG:	28.2911 / 81.448	RESEARCH DATE:	07/24/2008
	SERIES: 7.5				
	SCALE: 1:24000				

APPENDIX J2
SAINT CLOUD ANNEX



St. Cloud (Kissimmee) Annex

4175 Edsel Avenue

Saint Cloud, FL 34772

Inquiry Number: 2276768.4

July 24, 2008

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

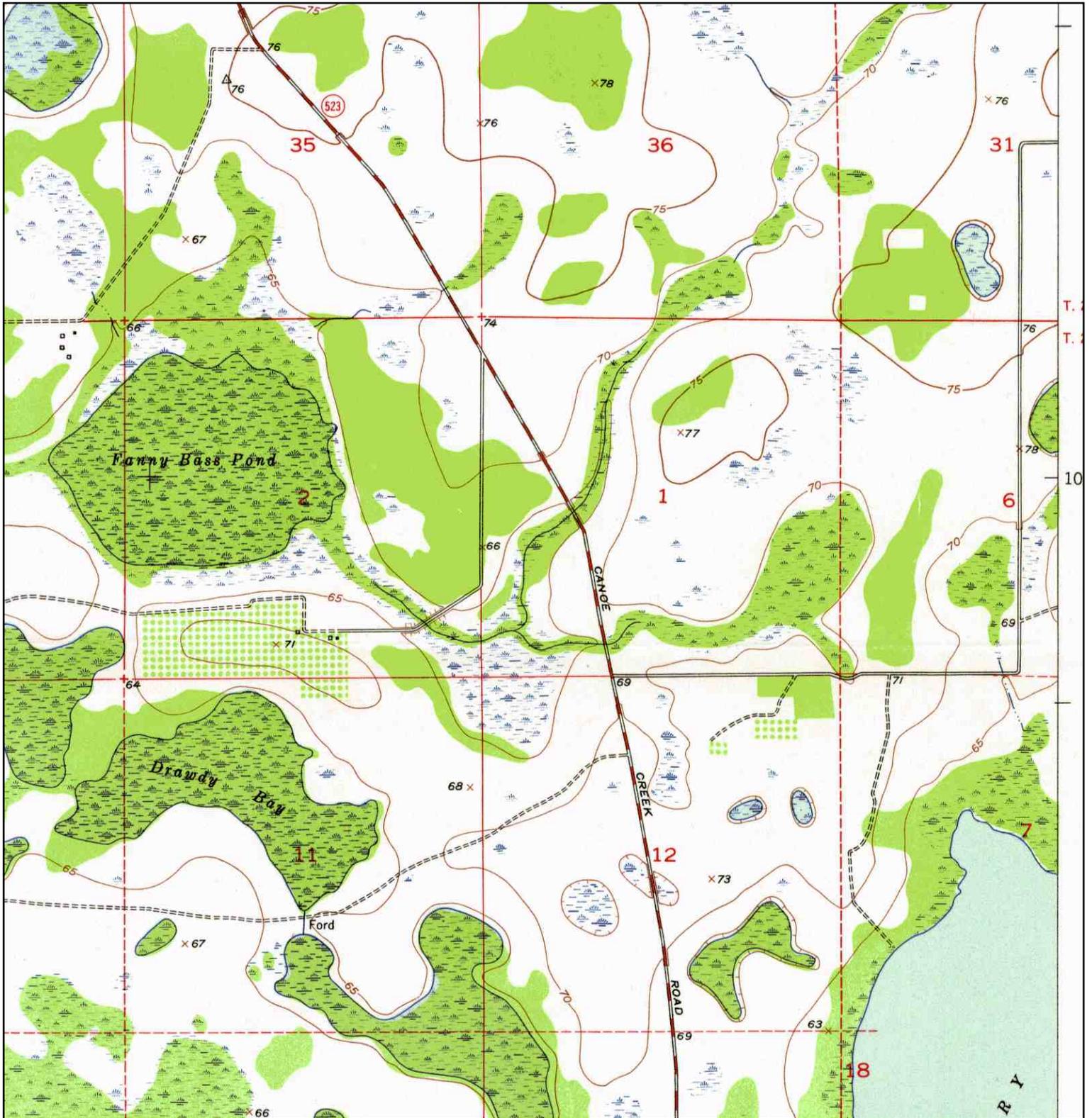
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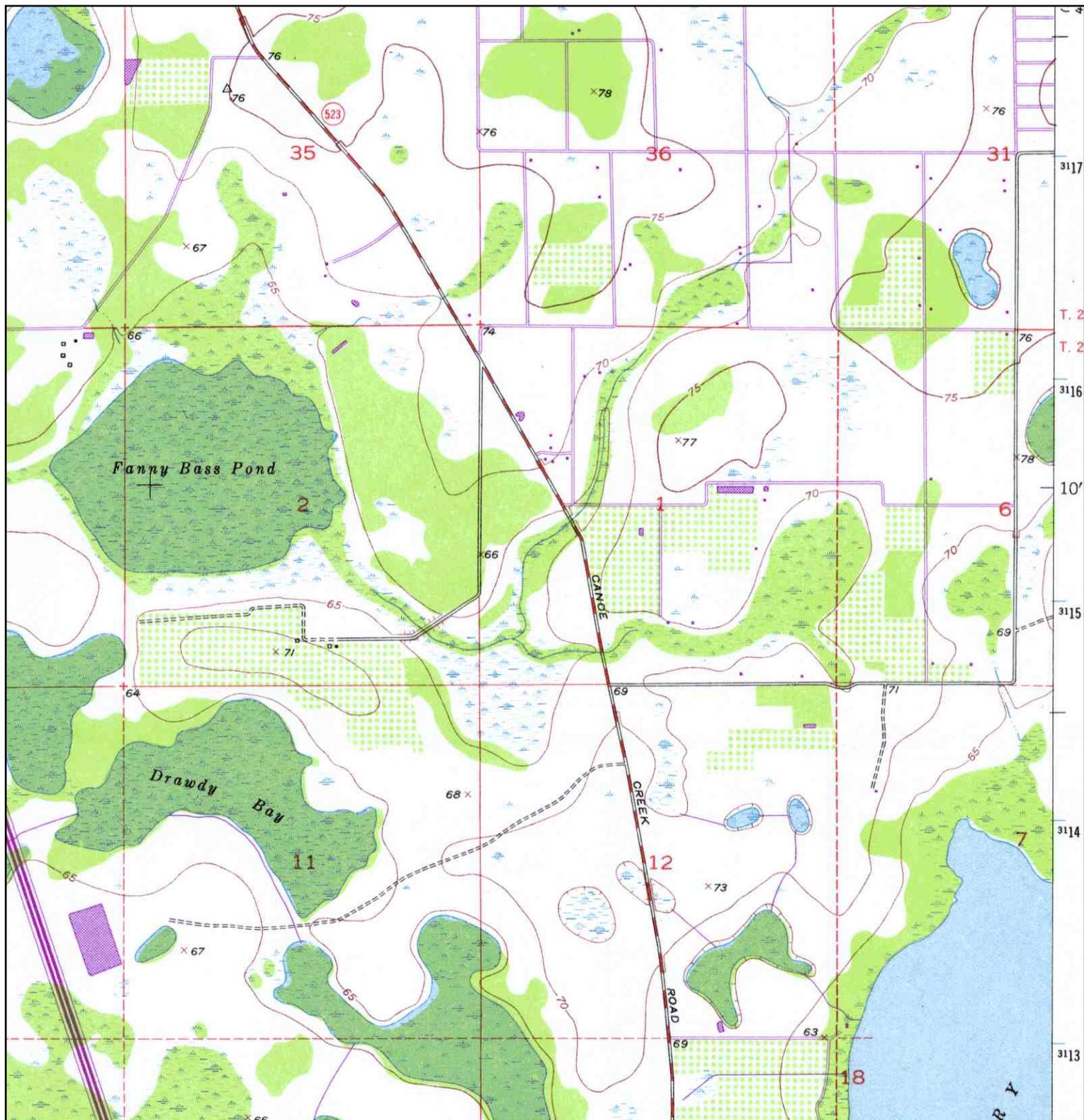
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Historical Topographic Map



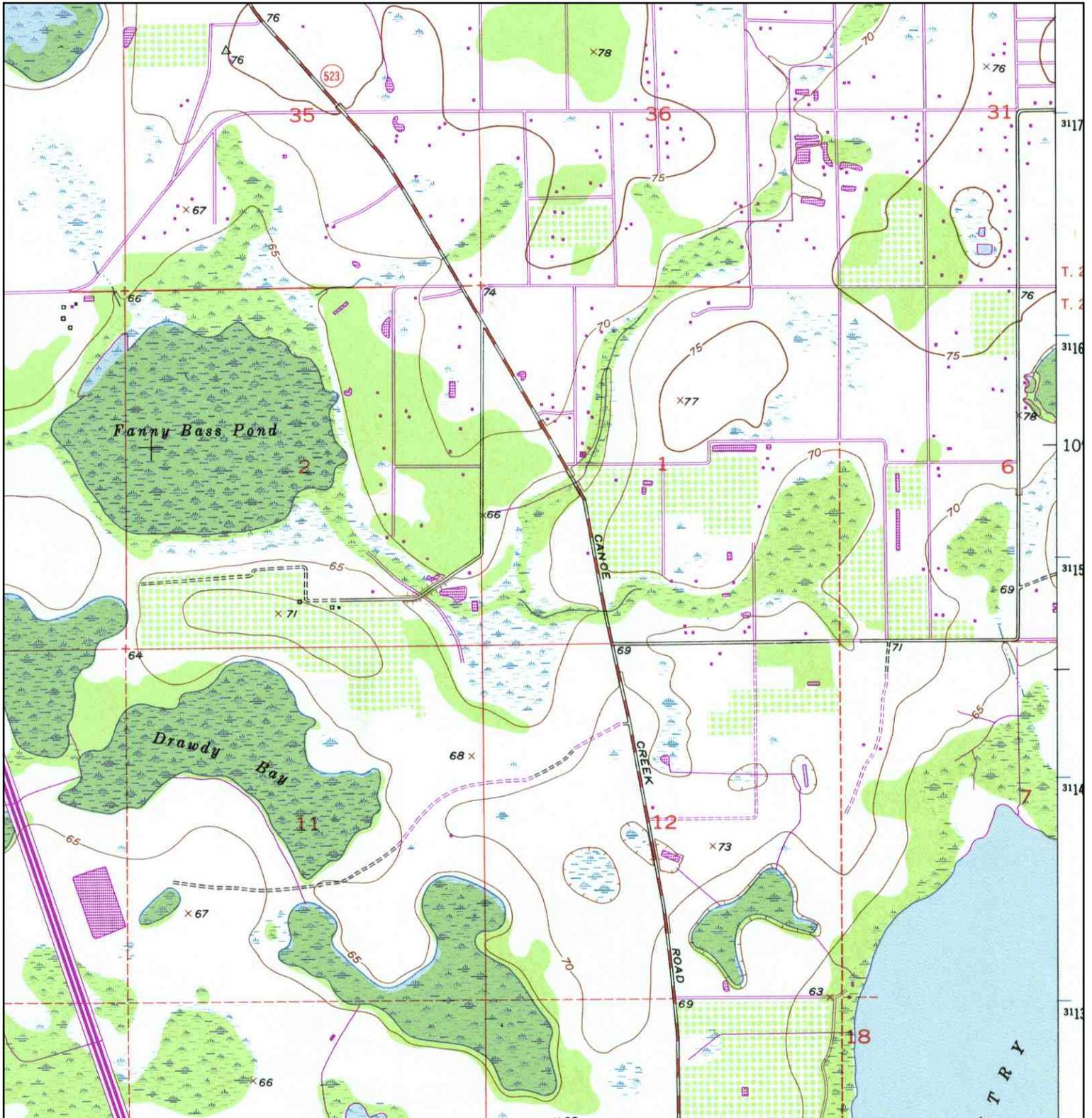
<p>N ↑</p>	TARGET QUAD	SITE NAME:	St. Cloud (Kissimmee)	CLIENT:	URS Corporation
	NAME: SAINT CLOUD SOUTH	ADDRESS:	Annex	CONTACT:	Jamie Sullivan
	MAP YEAR: 1953	LAT/LONG:	4175 Edsel Avenue	INQUIRY#:	2276768.4
	SERIES: 7.5		Saint Cloud, FL 34772	RESEARCH DATE:	07/24/2008
	SCALE: 1:24000				

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	St. Cloud (Kissimmee)	CLIENT:	URS Corporation
	NAME: SAINT CLOUD SOUTH	ADDRESS:	Annex	CONTACT:	Jamie Sullivan
	MAP YEAR: 1970	LAT/LONG:	4175 Edsel Avenue	INQUIRY#:	2276768.4
	PHOTOREVISED FROM: 1953		Saint Cloud, FL 34772	RESEARCH DATE:	07/24/2008
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	St. Cloud (Kissimmee)	CLIENT:	URS Corporation
	NAME: SAINT CLOUD SOUTH	ADDRESS:	Annex	CONTACT:	Jamie Sullivan
	MAP YEAR: 1980	LAT/LONG:	4175 Edsel Avenue	INQUIRY#:	2276768.4
	PHOTOREVISED FROM: 1953		Saint Cloud, FL 34772	RESEARCH DATE:	07/24/2008
	SERIES: 7.5				
	SCALE: 1:24000				

APPENDIX K
ENVIRONMENTAL LIENSEARCH™ REPORT

APPENDIX K1
KISSIMMEE FIELD STATION

The EDR Environmental LienSearch™ Report

80 S. Hoagland Boulevard
Kissimmee, FL 34741
NREIS# D08-34277

Project Number: 2276756.7S

July 28, 2008



EDR® Environmental
Data Resources Inc



The Standard in Environmental Risk Information

440 Wheelers Farm Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report includes results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers follows established procedures to:

- search for parcel information, legal description, and ownership based on client supplied address information;
- research indexes and title repositories;
- obtain a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument (title, parties involved, and description); and
- provide a copy of the deed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

KISSIMMEE FIELD STATION
80 S. HOAGLAND BOULEVARD
KISSIMMEE, FL 34741

RESEARCH SOURCE

Sources: RECORDER OF DEEDS, OSCEOLA COUNTY, FL

DEED INFORMATION

Type of Deed: WD QCD Other DEED

Title is vested in: OSCEOLA COUNTY

Title received from: THOMAS E. HALLK AND GLENDA D. HALL

Deed Dated: 01-02-1991
Deed Recorded: 07-11-1991
Book: 1022
Page: 2180

LEGAL DESCRIPTION

SEE ATTACHED EXHIBIT A

Assessor's Parcel Number: 19252900U000600000

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If yes:

1st Party:

2nd Party:

Dated:
Recorded:
Book:
Page:
Comments:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found Not Found

EDR Environmental LienSearch™ Report

EXHIBIT A

ALL THAT CERTAIN PARCEL OF LAND LYING AND BEING IN THE COUNTY OF OSCEOLA, STATE OF FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

THE SOUTH 12.5 FEET OF THE WEST 312.5 FEET OF LOT 59, SEMINOLE LAND AND INVESTMENT COMPANY'S INC. SUBDIVISION OF SECTION 1, TOWNSHIP 27 SOUTH, RANGE 30 EAST, ACCORDING TO THE PLAT THEREOF, AS RECORDED AND FILED IN PLAT BOOK 8, PAGE 21, PUBLIC RECORDS OF OSCEOLA COUNTY, LESS THE WEST 7½ FEET THEREOF.

APPENDIX K2
SAINT CLOUD ANNEX

The EDR Environmental LienSearch™ Report

4175 Edsel Avenue
Saint Cloud, FL 34772
NREIS# D08-34278

Project Number: 2276768.7S

July 29, 2008



EDR® Environmental
Data Resources Inc



The Standard in Environmental Risk Information

440 Wheelers Farm Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report includes results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers follows established procedures to:

- search for parcel information, legal description, and ownership based on client supplied address information;
- research indexes and title repositories;
- obtain a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument (title, parties involved, and description); and
- provide a copy of the deed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

ST. CLOUD (KISSIMMEE) ANNEX
4175 EDSSEL AVENUE
SAINT CLOUD, FL 34772

RESEARCH SOURCE

Sources: RECORDER OF DEEDS, OSCEOLA COUNTY, FL

DEED INFORMATION

Type of Deed: WD QCD Other DEED

Title is vested in: THOMAS E. HALL AND GLENDA D. HALL

Title received from: MERIVEL M. SMITH, JR. AND FRANCES H. SMITH

Deed Dated: 01-20-1976
Deed Recorded: 01-23-1976
Book: 323
Page: 151

LEGAL DESCRIPTION

SEE ATTACHED EXHIBIT A

Assessor's Parcel Number: 012730495000010595

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

If yes:

1st Party:

2nd Party:

Dated:
Recorded:
Book:
Page:
Comments:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found Not Found

EDR Environmental LienSearch™ Report

EXHIBIT A

SITUATE LYING AND BEING IN OSCEOLA COUNTY FLORIDA TO WIT:

LOT 59 LESS THE WEST 7½ FEET THEREOF AND LESS THE SOUTH 7½ FEET OF LOTS 59 OF SECTION 1, TOWNSHIP 27 SOUTH RANGE 30 EAST ACCORDING TO THE PLAT OF THE SEMINOLE LAND AND INVESTMENT COMPANY'S INC. SUBDIVISION OF SAID SECTION AS FILED AND RECORDED IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT OF OSCEOLA COUNTY, FLORIDA IN PLAT BOOK "B" ON PAGE 21 TOGETHER WITH IMPROVEMENTS THEREON.

3/7 D008-034278

323 PAGE 151

More than our legal

Printed for Lawyers' Title Guaranty Fund, Orlando, Florida

This instrument was prepared by:

Edward Brinson
BRINSON & SMITH, P.A.
F. O. Drawer 1549
FISSELMEE, FLORIDA 32741

Warranty Deed

(STATUTORY FORM — SECTION 689.02 F.S.)

This Indenture, Made this 20 day of January 19 76 Between

MERIVEL M. SMITH, JR. and FRANCES H. SMITH, his wife

of the County of Osceola State of Florida grantor

THOMAS E. HALL and GLENDA D. HALL, his wife

whose post office address is Route 2, Box 1210, St. Cloud, Florida

of the County of Osceola State of Florida grantor

Witnesseth, That said grantor, for and in consideration of the sum of
One and No/100ths Dollars

and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Osceola County, Florida, to-wit:

Undivided one-half (1/2) interest in and to the following:

(SEE ATTACHED)

Subject To: Easements and restrictions of record.

Subject to: Taxes for the year 1976.

Subject To: A certain mortgage dated July 30, 1975 to the Sun Bank of St. Cloud, Florida, recorded in OR Book 14, page 374, public records of Osceola County, Florida which the grantees assume and agree to pay.

Subject To: A mortgage dated January 17, 1975 to Anthony Autieri and Frances Autieri, his wife, recorded in OR Book 302 Page 729, public records of Osceola County, Florida which the grantees assume and agree to pay.

STAMPS \$ 75.00

SUR TAX STAMPS \$ 23.50

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

"Grantor" and "grantee" are used for singular or plural, as context requires.

In Witness Whereof, Grantor has hereunto set grantor's hand and seal the day and year first above written. Signed, sealed and delivered in our presence:

[Signature]
Merivel M. Smith, Jr. (Seal)

[Signature]
Merivel M. Smith, Jr. (Seal)

[Signature]
Frances H. Smith (Seal)

[Signature]
Frances H. Smith (Seal)

STATE OF FLORIDA
COUNTY OF OSCEOLA

I HEREBY CERTIFY that on this day before me, an officer duly qualified to take acknowledgments, personally appeared Merivel M. Smith, Jr. and Frances H. Smith, his wife

to me known to be the person described in and who executed the foregoing instrument and acknowledged to me that they executed the same

Witness my hand and official seal in the County and State last aforesaid this 20 day of January 19 76

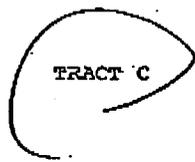
My commission expires:

[Signature]
Notary Public, State of Florida
My Commission Expires July 11, 1978
Issued by American Title & Guaranty Co.

417 D008-034778

TRACT A All that part of tract thirty-nine (39) lying East of Canoe Creek Road in Section 1, Township 27 South, Range 30 East, according to the plat of the Seminole Land and Investment Company, Inc. Subdivision of said Section, Township and Range, as filed and recorded among the public records of Osceola County, Florida. LESS the East 7 1/2 Feet thereof.

TRACT B ALSO: All that portion of Tracts Forty (40) and Forty-Two (42) of Section 1, Township 27 South, Range 30 East, East of Canoe Creek Road, according to the plat of Seminole Land and Investment Company, Inc. Subdivision of said Section, Township and Range, LESS the East 7 1/2 Feet of Tract 42 aforesaid.



TRACT C Lot 59, LESS the West 7 1/2 feet thereof and LESS the South 7 1/2 feet of Lot 59 of Section 1, Township 27 South, Range 30 East, according to the Plat of the Seminole Land and Investment Company's (Inc.) Subdivision of said Section, as filed and recorded in the Office of the Clerk of the Circuit Court of Osceola County, Florida in Plat Book "B" on Page 21. Together with improvements thereon.

TRACT D AND ALSO: Lot 54, LESS the West 7 1/2 feet thereof of Section 1, Township 27 South, Range 30 East, according to the Plat of the Seminole Land and Investment company's (Inc.) Subdivision of said Section as filed and recorded in the Office of the Clerk of the Circuit Court of Osceola County, Florida in Plat Book "B" on Page 21.

TRACT E All of Tract 26 and All of that portion of Tract 25 lying East of Canoe Creek Road, SEMINOLE LAND AND INVESTMENT COMPANY (INCORPORATED) SUBDIVISION, situated in Section 1, Township 27 South, Range 30 East, according to the plat thereof as recorded in Plat Book "B", Page 21, Public Records of Osceola County, Florida. LESS AND EXCEPT: The East Seven and One-Half (7 1/2) Feet of Tract 26 for Road Right-of-Way.

TRACT F Lots 38 and 43 of Section 1, in Township 27 South, Range 30 East, according to the plat of the Seminole Land and Investment Company's (Incorporated) Subdivision of said section, as filed and recorded in the office of the Clerk of the Circuit Court of Osceola County, Florida in Plat Book "B" on page 21, LESS the West 7 1/2 feet thereof.

 FLORIDA JAN 27 1976	DOCUMENTARY SUR TAX \$93.50	STATE OF FLORIDA DOCUMENTARY STAMP TAX DEPT. OF REVENUE TALLAHASSEE \$255.00
	1332 10358	0511001 1 5 3 3 5

FILED IN THE OFFICE OF CLERK OF CIRCUIT COURT, OSCEOLA COUNTY, FLORIDA ON THE 22 DAY OF January A. D. 1976, RECORDED AT 11:20 AM, IN BOOK 323 OF OFFICIAL RECORDS, PAGE 151 HARRIS G. DANIEL, CLERK BY [Signature] DC

APPENDIX L

OSCEOLA COUNTY PROPERTY APPRIASER - PARCEL DETAIL

APPENDIX L1
KISSIMMEE FIELD STATION



Osceola County Property Appraiser

www.property-appraiser.org

Osceola County Government Center
 2505 East Irlo Bronson Memorial Hwy, Kissimmee, FL 34744
 Ph: (407) 742-5000 Fax:(407) 742-4900

Parcel Detail



Owner Information

Parcel 19252900U000600000
 CENTRAL & SO FLA FLOOD CONTROL DIST
 PO BOX 1671
 Mailing Address WEST PALM BEACH , FL 33402--1671
 Physical Address **80 S HOAGLAND BLVD**
 Tax District 200
 Description STATE-IMP
 Legal COM AT SW COR OF SE 1/4,N 232.9 FT TO POB; CONT N 371.3 FT,E 526.31 FT,S 45 DEG E 85.26 FT,S 311.01 FT, More

Current Values

Current Value represents working appraised values as of 9/14/2008, which are subject to change prior to certification

Land	\$227,500.00
AG	\$0.00
Extra Features	\$59,600.00
Buildings	\$356,800.00
Appraised (Just)	\$643,900.00
Assessed*	\$643,900.00
Exempt	\$643,900.00
Taxable	\$0.00

Certified Values

Certified Value represents certified values that appeared on the tax roll as of 10/4/2007

Land	\$227,500.00
AG	\$0.00
Extra Features	\$59,700.00
Buildings	\$344,800.00
Appraised (Just)	\$632,000.00
Assessed*	\$632,000.00
Exempt	\$632,000.00
Taxable	\$0.00

* Assessed Values Reflect Adjustments for Agricultural Classification and/or the Save Our Homes Cap

* Assessed Values Reflect Adjustments for Agricultural Classification and/or the Save Our Homes Cap

Sales Information [More](#)

Seq#	Legal	Price	Date	Deed Type
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Building Information [More](#)

Description	Year Built	Area	Value	Roof	Wall
WAREHOUSE	1968	2020	\$32,700.00	ROLL ROOF	CONCRT BLK
LT MFG	1968	5010	\$118,900.00	CORR MTL	PREFIN MTL
WAREHOUSE	1990	6000	\$85,200.00	CORR MTL	PREFIN MTL

Land Information [More](#)

Description	Units	Units Type	Value	Frontage	Depth
INDUSTRIAL ACREAGE	5	AC	\$227,500.00	5	

Extra Features Information [More](#)

Description	Year Built	Value	Units	Unit Type
ASPHVMT-A	1971	\$29,600.00	225x225	
POLEBARN-E	1971	\$25,200.00	125x48	
CONCPVMT-A	1990	\$4,800.00	38x81	

Please Note: The Osceola County Property Appraiser makes every effort to produce and publish the most current and accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use, or its interpretation. The assessment maps are NOT certified maps and therefore are subject to change. The current assessed values as viewed herein are not certified values and are subject to change.

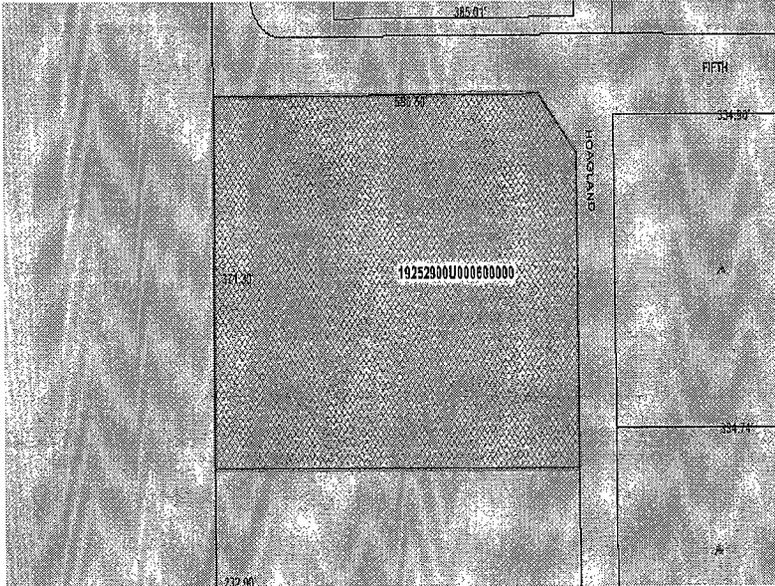


Osceola County Property Appraiser

www.property-appraiser.org

Osceola County Government Center
 2505 East Irlo Bronson Memorial Hwy, Kissimmee, FL 34744
 Ph: (407) 742-5000 Fax: (407) 742-4900

Parcel Detail



Owner Information

Parcel 19252900U000600000
 CENTRAL & SO FLA FLOOD CONTROL DIST
 PO BOX 1671
 Mailing Address WEST PALM BEACH , FL 33402--1671
 Physical Address **80 S HOAGLAND BLVD**
 Tax District 200
 Description STATE-IMP
 Legal COM AT SW COR OF SE 1/4,N 232.9 FT TO POB; CONT N 371.3 FT,E 526.31 FT,S 45 DEG E 85.26 FT,S 311.01 FT,
More

Current Values

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AG	\$0.00
Extra Features	\$59,600.00
Buildings	\$356,800.00
Appraised (Just)	\$643,900.00
Assessed*	\$643,900.00
Exempt	\$643,900.00
Taxable	\$0.00

Certified Values

Certified Value represents certified values that appeared on the tax roll as of 10/4/2007

Land	\$227,500.00
AG	\$0.00
Extra Features	\$59,700.00
Buildings	\$344,800.00
Appraised (Just)	\$632,000.00
Assessed*	\$632,000.00
Exempt	\$632,000.00
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* Assessed Values Reflect Adjustments for Agricultural Classification and/or the Save Our Homes Cap

* Assessed Values Reflect Adjustments for Agricultural Classification and/or the Save Our Homes Cap

Sales Information [More](#)

Seq#	Legal	Price	Date	Deed Type
------	-------	-------	------	-----------

Building Information [More](#)

Description	Year Built	Area	Value	Roof	Wall
WAREHOUSE	1968	2020	\$32,700.00	ROLL ROOF	CONCRT BLK
LT MFG	1968	5010	\$118,900.00	CORR MTL	PREFIN MTL
WAREHOUSE	1990	6000	\$85,200.00	CORR MTL	PREFIN MTL

Land Information [More](#)

Description	Units	Units Type	Value	Frontage	Depth
INDUSTRIAL ACREAGE	5	AC	\$227,500.00	5	

Extra Features Information [More](#)

Description	Year Built	Value	Units	Unit Type
ASHPVMT-A	1971	\$29,600.00	225x225	
POLEBARN-E	1971	\$25,200.00	125x48	
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APPENDIX L2
SAINT CLOUD ANNEX



Osceola County Property Appraiser

www.property-appraiser.org

Osceola County Government Center
 2505 East Irlo Bronson Memorial Hwy, Kissimmee, FL 34744
 Ph: (407) 742-5000 Fax: (407) 742-4900

Parcel Detail



Owner Information

Parcel 012730495000010595
 HALL THOMAS E HALL GLENDA
 Mailing Address 4155 CANOE CREEK RD
 SAINT CLOUD, FL 34772--7400
 Physical Address 4175 EDSSEL AVE
 Tax District 300
 Description LIGHT MFG-IMP
 Legal SLIC W 312.5 FT LOT 59 LESS W & S 7.5 FT
 THEREOF SUBJ TO ESMT OVER S 12.5 FT
 OF E 305 FT OF W 312.5 FT
 More

Current Values

Current Value represents working appraised values as of 9/14/2008, which are subject to change prior to certification

Land	\$162,500.00
AG	\$0.00
Extra Features	\$16,300.00
Buildings	\$215,900.00
Appraised (Just)	\$394,700.00
Assessed*	\$394,700.00
Exempt	\$0.00
Taxable	\$394,700.00

Certified Values

Certified Value represents certified values that appeared on the tax roll as of 10/4/2007

Land	\$162,500.00
AG	\$0.00
Extra Features	\$16,400.00
Buildings	\$211,400.00
Appraised (Just)	\$390,300.00
Assessed*	\$390,300.00
Exempt	\$0.00
Taxable	\$390,300.00

* Assessed Values Reflect Adjustments for Agricultural Classification and/or the Save Our Homes Cap

* Assessed Values Reflect Adjustments for Agricultural Classification and/or the Save Our Homes Cap

Sales Information More

Seq#	Legal	Price	Date	Deed Type
0	323-151	\$0.00	1/12/1976	WARRANTY DEED

Building Information More

Description	Year Built	Area	Value	Roof	Wall
LT MFG	1972	7104	\$153,800.00	CORR MTL	CORR METAL
MOB/MANU HM	2005	1248	\$62,100.00	COMP SHNGL	VINL SIDNG

Land Information More

Description	Units	Units Type	Value	Frontage	Depth
INDUSTRIAL ACREAGE	2.5	AC	\$162,500.00	2	

Extra Features Information More

Description	Year Built	Value	Units	Unit Type
2.5 AIR-A	1988	\$700.00	1	
BARN-A	1980	\$13,000.00	90x30	
FNC-CL-A-4	1969	\$100.00	70	

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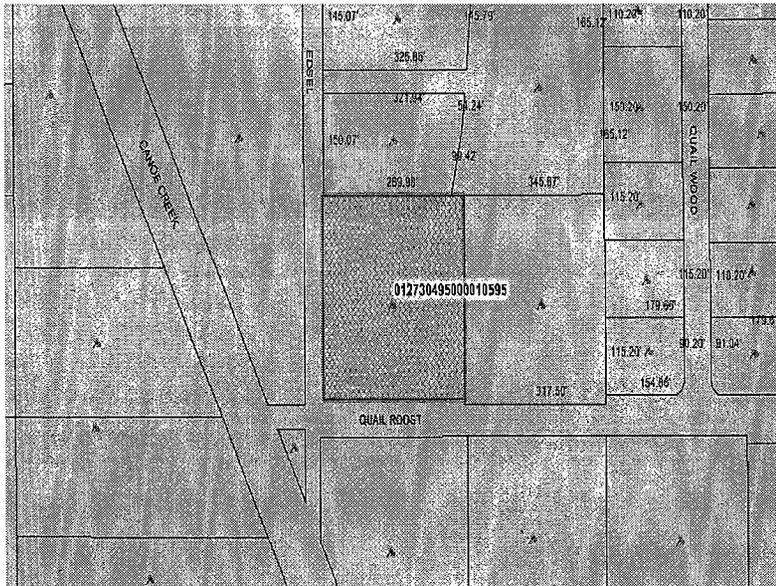


Osceola County Property Appraiser

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Parcel Detail



Owner Information

Parcel 012730495000010595
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 Mailing Address 4155 CANOE CREEK RD
 SAINT CLOUD, FL 34772--7400
 Physical Address 4175 EDSSEL AVE
 Tax District 300
 Description LIGHT MFG-IMP
 Legal SLIC W 312.5 FT LOT 59 LESS W & S 7.5 FT
 OF E 305 FT OF W 312.5 FT
[More](#)

Current Values

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AG	\$0.00
Extra Features	\$16,300.00
Buildings	\$215,900.00
Appraised (Just)	\$394,700.00
Assessed*	\$394,700.00
Exempt	\$0.00
Taxable	\$394,700.00

* Assessed Values Reflect Adjustments for Agricultural Classification and/or the Save Our Homes Cap

Certified Values

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AG	\$0.00
Extra Features	\$16,400.00
Buildings	\$211,400.00
Appraised (Just)	\$390,300.00
Assessed*	\$390,300.00
Exempt	\$0.00
Taxable	\$390,300.00

* Assessed Values Reflect Adjustments for Agricultural Classification and/or the Save Our Homes Cap

Sales Information [More](#)

Seq#	Legal	Price	Date	Deed Type
0	323-151	\$0.00	1/12/1976	WARRANTY DEED

Building Information [More](#)

Description	Year Built	Area	Value	Roof	Wall
LT MFG	1972	7104	\$153,800.00	CORR MTL	CORR METAL
MOB/MANU HM	2005	1248	\$62,100.00	COMP SHNGL	VINL SIDNG

Land Information [More](#)

Description	Units	Units Type	Value	Frontage	Depth
INDUSTRIAL ACREAGE	2.5	AC	\$162,500.00	2	

Extra Features Information [More](#)

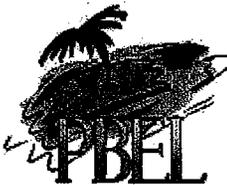
Description	Year Built	Value	Units	Unit Type
2.5 AIR-A	1988	\$700.00	1	
BARN-A	1980	\$13,000.00	90x30	
FNC-CL-A-4	1969	\$100.00	70	

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APPENDIX M

SOIL AND GROUNDWATER ANALYTICAL LABORATORY REPORTS

APPENDIX M1
KISSIMMEE FIELD STATION



Palm Beach Environmental
Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #:0004948

September 11, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 FAX: (561) 994-6524

LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FHL-SB2(0-2) Lab ID: 0004948-01 Sampled: 08/27/08 15:30
Matrix: Soil Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
91-20-3	Naphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.3	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.05	U	mg/kg	EPA 3545 / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.08	U	mg/kg	EPA 3545 / 8270	1	0.08	0.08	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.06	U	mg/kg	EPA 3545 / 8270	1	0.06	0.3	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

NA	Surrogate: Nitrobenzene-d5	68.7 %		Limit 47-131
321-60-8	Surrogate: 2-Fluorobiphenyl	82.1 %		Limit 51-134
NA	Surrogate: p-Terphenyl-d14	105 %		Limit 59-135

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	FLPRO Total	0.170	U	mg/kg	EPA 3545 / RO	1	0.170	1.00	09/03/08	09/04/08	MH

% Recovery Q % Recovery Limits

84-15-1	Surrogate: o-Terphenyl	89.6 %		Limit 37-142
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Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FHL-SB2(0-2)	Lab ID: 0004948-01	Sampled: 08/27/08 15:30
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-43-9	Cadmium	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.465	09/03/08	09/03/08	MH
7440-47-3	Chromium	4.9		mg/kg dry	EPA 6020B	1	0.003	0.05	09/03/08	09/03/08	MH
7439-92-1	Lead	0.008	U	mg/kg dry	EPA 6020B	1	0.008	0.233	09/03/08	09/03/08	MH

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-5	Lab ID: 0004948-02	Sampled: 08/27/08 14:15
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-43-9	Cadmium	0.003	U	mg/kg dry	EPA 6020B	1	0.003	0.471	09/03/08	09/03/08	MH
7440-47-3	Chromium	5.2		mg/kg dry	EPA 6020B	1	0.003	0.05	09/03/08	09/03/08	MH
7439-92-1	Lead	0.008	U	mg/kg dry	EPA 6020B	1	0.008	0.235	09/03/08	09/03/08	MH

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	% Solids	85.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



CERTIFICATE OF ANALYSIS

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ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FHL-WP1 **Lab ID:** 0004948-03 **Sampled:** 08/27/08 16:30
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
91-20-3	Naphthalene	0.1	U	ug/L	EPA 3510C / 8270	1	0.1	10.0	09/03/08	09/11/08	MH	
91-57-6	2-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH	
90-12-0	1-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH	
208-96-8	Acenaphthylene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH	
83-32-9	Acenaphthene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH	
86-73-7	Fluorene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH	
85-01-8	Phenanthrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH	
120-12-7	Anthracene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH	
206-44-0	Fluoranthene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH	
129-00-0	Pyrene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH	
56-55-3	Benzo[a]anthracene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH	
218-01-9	Chrysene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH	
205-99-2	Benzo[b]fluoranthene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH	
207-08-9	Benzo[k]fluoranthene	0.5	U	ug/L	EPA 3510C / 8270	1	0.5	0.5	09/03/08	09/11/08	MH	
50-32-8	Benzo[a]pyrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH	
53-70-3	Dibenz[a,h]anthracene	0.005	U	ug/L	EPA 3510C / 8270	1	0.005	0.05	09/03/08	09/11/08	MH	
193-39-5	Indeno[1,2,3-cd]pyrene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH	
191-24-2	Benzo[g,h,i]perylene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH	

% Recovery Q % Recovery Limits

NA	Surrogate: Nitrobenzene-d5	63.9 %		Limit 47-131
321-60-8	Surrogate: 2-Fluorobiphenyl	70.3 %		Limit 51-134
NA	Surrogate: p-Terphenyl-d14	79.2 %		Limit 59-145

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C / RO	1	0.040	0.500	09/03/08	09/04/08	MH	

% Recovery Q % Recovery Limits

84-15-1	Surrogate: o-Terphenyl	68.7 %		Limit 37-142
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URS Corporation

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Boca Raton, FL 33487

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PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004948

COC#: 7899

REPORTED: 9/11/2008 12:09:52PM

PROJECT #: 38617-185

PROJECT: Kissimmee Field Station

Description: FHL-WP1

Lab ID: 0004948-03

Sampled: 08/27/08 16:30

Matrix: Water

Sampled By: Jamie Sullivan

Received: 08/29/08 10:30

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>	<u>Analysis</u>	<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-43-9	Cadmium	0.00003	U	mg/L	EPA 6020B	1	0.00003	0.005	09/01/08	09/03/08	MH
7440-47-3	Chromium	0.026		mg/L	EPA 6020B	1	0.00002	0.005	09/01/08	09/03/08	MH
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-6	Lab ID: 0004948-05	Sampled: 08/27/08 17:00
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.1	U	ug/L	EPA 3510C / 8270	1	0.1	10.0	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.5	U	ug/L	EPA 3510C / 8270	1	0.5	0.5	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.005	U	ug/L	EPA 3510C / 8270	1	0.005	0.05	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

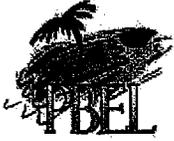
NA	Surrogate: Nitrobenzene-d5	70.2 %	Limit 47-131
321-60-8	Surrogate: 2-Fluorobiphenyl	80.3 %	Limit 51-134
NA	Surrogate: p-Terphenyl-d14	85.6 %	Limit 59-145

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	09/03/08	09/04/08	MH

% Recovery Q % Recovery Limits

84-15-1	Surrogate: o-Terphenyl	76.5 %	Limit 37-142
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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-6	Lab ID: 0004948-05	Sampled: 08/27/08 17:00
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>
7440-43-9	Cadmium	0.00003	U	mg/L	EPA 6020B	1	0.00003	0.005	09/01/08	09/03/08	MH
7440-47-3	Chromium	0.006		mg/L	EPA 6020B	1	0.00002	0.005	09/01/08	09/03/08	MH
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: MB-SB1(0-2)	Lab ID: 0004948-07	Sampled: 08/27/08 15:40
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/04/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/04/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/04/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: MB-SB1(0-2)	Lab ID: 0004948-07	Sampled: 08/27/08 15:40
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS	
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS	
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS	
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS	
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS	
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS	
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/04/08	PLS	
		% Recovery	Q	% Recovery Limits								
1868-53-7	Surrogate: Dibromofluoromethane	108 %		Limit 62-136								
2037-26-5	Surrogate: Toluene-d8	70.2 %		Limit 66-144								
460-00-4	Surrogate: 4-Bromofluorobenzene	77.7 %		Limit 70-131								

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
NA	FLPRO Total	18.0		mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH	
		% Recovery	Q	% Recovery Limits								
84-15-1	Surrogate: o-Terphenyl	78.5 %		Limit 37-142								

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
7439-92-1	Lead	0.008	U	mg/kg dry	EPA 6020B	1	0.008	0.233	09/03/08	09/03/08	MH	

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
NA	% Solids	86.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH	



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: MB-SB4(2-4) **Lab ID:** 0004948-08 **Sampled:** 08/27/08 16:20
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/04/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/04/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/04/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/04/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/04/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/04/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

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PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: MB-SB4(2-4) **Lab ID:** 0004948-08 **Sampled:** 08/27/08 16:20
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/04/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/04/08	PLS
		% Recovery	Q	% Recovery Limits							
1868-53-7	Surrogate: Dibromofluoromethane	106 %		Limit 62-136							
2037-26-5	Surrogate: Toluene-d8	70.5 %		Limit 66-144							
460-00-4	Surrogate: 4-Bromofluorobenzene	74.9 %		Limit 70-131							

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	FLPRO Total	10.0		mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery	Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	80.0 %		Limit 37-142							

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7439-92-1	Lead	0.008	U	mg/kg dry	EPA 6020B	1	0.008	0.250	09/03/08	09/03/08	MH

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	% Solids	80.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: MB-WP1	Lab ID: 0004948-09	Sampled: 08/27/08 15:00
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.5	U	ug/L	EPA 8260B	1	0.5	0.5	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	0.4	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: MB-WP1 Lab ID: 0004948-09 Sampled: 08/27/08 15:00
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
108-38-3/10 6-42-3	m,p-Xylene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.3	U	ug/L	EPA 8260B	1	0.3	1.0	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
96-18-4	1,2,3-Trichloropropane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
		% Recovery	Q	% Recovery Limits							
1868-53-7	Surrogate: Dibromofluoromethane	107 %		Limit 62-136							
2037-26-5	Surrogate: Toluene-d8	68.8 %		Limit 66-144							
460-00-4	Surrogate: 4-Bromofluorobenzene	76.8 %		Limit 70-131							

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C/RO	1	0.040	0.500	09/03/08	09/04/08	MH
		% Recovery	Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	74.0 %		Limit 37-142							

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

Blank (B809009-BLK1)

Prepared & Analyzed: 09/11/08

Naphthalene	U	10.0	ug/L							U
2-Methylnaphthalene	U	10.0	ug/L							U
1-Methylnaphthalene	U	10.0	ug/L							U
Acenaphthylene	U	10.0	ug/L							U
Acenaphthene	U	10.0	ug/L							U
Fluorene	U	10.0	ug/L							U
Phenanthrene	U	10.0	ug/L							U
Anthracene	U	10.0	ug/L							U
Fluoranthene	U	10.0	ug/L							U
Pyrene	U	10.0	ug/L							U
Benzo[a]anthracene	U	0.05	ug/L							U
Chrysene	U	0.2	ug/L							U
Benzo[b]fluoranthene	U	0.05	ug/L							U
Benzo[k]fluoranthene	U	0.5	ug/L							U
Benzo[a]pyrene	U	0.2	ug/L							U
Dibenz[a,h]anthracene	U	0.05	ug/L							U
Indeno[1,2,3-cd]pyrene	U	0.05	ug/L							U
Benzo[g,h,i]perylene	U	10.0	ug/L							U

<i>Surrogate: Nitrobenzene-d5</i>	<i>19.8</i>		<i>ug/L</i>	<i>30.00</i>		<i>66.1</i>	<i>47-131</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>21.5</i>		<i>ug/L</i>	<i>30.00</i>		<i>71.5</i>	<i>51-134</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>25.5</i>		<i>ug/L</i>	<i>30.00</i>		<i>84.9</i>	<i>59-145</i>			

LCS (B809009-BS1)

Prepared & Analyzed: 09/11/08

Naphthalene	35.6	10.0	ug/L	50.00		71.3	60-135			
2-Methylnaphthalene	39.0	10.0	ug/L	50.00		77.9	60-135			
1-Methylnaphthalene	38.7	10.0	ug/L	50.00		77.5	60-135			
Acenaphthylene	41.0	10.0	ug/L	50.00		82.0	60-135			
Acenaphthene	41.6	10.0	ug/L	50.00		83.1	60-135			
Fluorene	40.4	10.0	ug/L	50.00		80.7	60-135			
Phenanthrene	43.6	10.0	ug/L	50.00		87.3	60-135			
Anthracene	45.6	10.0	ug/L	50.00		91.2	60-135			
Fluoranthene	42.1	10.0	ug/L	50.00		84.3	60-135			
Pyrene	42.2	10.0	ug/L	50.00		84.3	60-135			
Benzo[a]anthracene	48.6	0.05	ug/L	50.00		97.3	60-135			
Chrysene	37.6	0.2	ug/L	50.00		75.1	60-135			
Benzo[b]fluoranthene	37.2	0.05	ug/L	50.00		74.4	60-135			
Benzo[k]fluoranthene	37.6	0.5	ug/L	50.00		75.1	60-135			
Benzo[a]pyrene	38.9	0.2	ug/L	50.00		77.8	60-135			



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

LCS (B809009-BS1) Continued

Prepared & Analyzed: 09/11/08

Dibenz[a,h]anthracene	31.5	0.05	ug/L	50.00		62.9	60-135			
Indeno[1,2,3-cd]pyrene	31.5	0.05	ug/L	50.00		63.0	60-135			
Benzo[g,h,i]perylene	30.1	10.0	ug/L	50.00		60.2	60-135			
<i>Surrogate: Nitrobenzene-d5</i>	<i>24.6</i>		<i>ug/L</i>	<i>30.00</i>		<i>82.2</i>	<i>60-135</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>25.6</i>		<i>ug/L</i>	<i>30.00</i>		<i>85.2</i>	<i>60-135</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>25.9</i>		<i>ug/L</i>	<i>30.00</i>		<i>86.3</i>	<i>60-135</i>			

LCS Dup (B809009-BSD1)

Prepared & Analyzed: 09/11/08

Naphthalene	41.4	10.0	ug/L	50.00		82.7	60-135	14.9	25	
2-Methylnaphthalene	41.6	10.0	ug/L	50.00		83.2	60-135	6.53	25	
1-Methylnaphthalene	46.5	10.0	ug/L	50.00		93.0	60-135	18.3	25	
Acenaphthylene	42.6	10.0	ug/L	50.00		85.2	60-135	3.73	25	
Acenaphthene	48.4	10.0	ug/L	50.00		96.7	60-135	15.1	25	
Fluorene	46.6	10.0	ug/L	50.00		93.2	60-135	14.4	25	
Phenanthrene	42.0	10.0	ug/L	50.00		84.0	60-135	3.81	25	
Anthracene	31.2	10.0	ug/L	50.00		62.5	60-135	37.4	25	
Fluoranthene	34.6	10.0	ug/L	50.00		69.1	60-135	19.7	25	
Pyrene	34.2	10.0	ug/L	50.00		68.5	60-135	20.8	25	
Benzo[a]anthracene	34.9	0.05	ug/L	50.00		69.7	60-135	33.0	25	
Chrysene	36.9	0.2	ug/L	50.00		73.8	60-135	1.77	25	
Benzo[b]fluoranthene	38.6	0.05	ug/L	50.00		77.2	60-135	3.69	25	
Benzo[k]fluoranthene	37.4	0.5	ug/L	50.00		74.8	60-135	0.373	25	
Benzo[a]pyrene	38.6	0.2	ug/L	50.00		77.1	60-135	0.930	25	
Dibenz[a,h]anthracene	41.1	0.05	ug/L	50.00		82.1	60-135	26.5	25	
Indeno[1,2,3-cd]pyrene	41.6	0.05	ug/L	50.00		83.1	60-135	27.5	25	
Benzo[g,h,i]perylene	48.6	10.0	ug/L	50.00		97.2	60-135	47.1	25	
<i>Surrogate: Nitrobenzene-d5</i>	<i>24.6</i>		<i>ug/L</i>	<i>30.00</i>		<i>82.1</i>	<i>60-135</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>21.5</i>		<i>ug/L</i>	<i>30.00</i>		<i>71.8</i>	<i>60-135</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>27.8</i>		<i>ug/L</i>	<i>30.00</i>		<i>92.8</i>	<i>60-135</i>			

Calibration Check (B809009-CCV1)

Prepared & Analyzed: 09/11/08

Naphthalene	88.6		ug/L	100.0		88.6	0-200			
2-Methylnaphthalene	87.4		ug/L	100.0		87.4	0-200			
1-Methylnaphthalene	91.6		ug/L	100.0		91.6	0-200			
Acenaphthylene	94.7		ug/L	100.0		94.7	0-200			
Acenaphthene	94.3		ug/L	100.0		94.3	0-200			
Fluorene	94.2		ug/L	100.0		94.2	0-200			
Phenanthrene	96.7		ug/L	100.0		96.7	0-200			



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

Calibration Check (B809009-CCV1) Contin

Prepared & Analyzed: 09/11/08

Anthracene	103		ug/L	100.0		103	0-200			
Fluoranthene	103		ug/L	100.0		103	0-200			
Pyrene	101		ug/L	100.0		101	0-200			
Benzo[a]anthracene	100		ug/L	100.0		100	0-200			
Chrysene	99.6		ug/L	100.0		99.6	0-200			
Benzo[b]fluoranthene	92.6		ug/L	100.0		92.6	0-200			
Benzo[k]fluoranthene	94.6		ug/L	100.0		94.6	0-200			
Benzo[a]pyrene	94.7		ug/L	100.0		94.7	0-200			
Dibenz[a,h]anthracene	95.6		ug/L	100.0		95.6	0-200			
Indeno[1,2,3-cd]pyrene	95.9		ug/L	100.0		95.9	0-200			
Benzo[g,h,i]perylene	95.3		ug/L	100.0		95.3	0-200			
<i>Surrogate: Nitrobenzene-d5</i>	<i>24.6</i>		<i>ug/L</i>	<i>30.00</i>		<i>82.2</i>	<i>0-200</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>24.1</i>		<i>ug/L</i>	<i>30.00</i>		<i>80.4</i>	<i>0-200</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>28.9</i>		<i>ug/L</i>	<i>30.00</i>		<i>96.4</i>	<i>0-200</i>			

Batch B809031 - EPA 3545

Blank (B809031-BLK1)

Prepared: 09/03/08 Analyzed: 09/11/08

Naphthalene	U	0.3	mg/kg							U
2-Methylnaphthalene	U	0.3	mg/kg							U
1-Methylnaphthalene	U	0.3	mg/kg							U
Acenaphthylene	U	0.3	mg/kg							U
Acenaphthene	U	0.3	mg/kg							U
Fluorene	U	0.3	mg/kg							U
Phenanthrene	U	0.3	mg/kg							U
Anthracene	U	0.3	mg/kg							U
Fluoranthene	U	0.3	mg/kg							U
Pyrene	U	0.3	mg/kg							U
Benzo[a]anthracene	U	0.04	mg/kg							U
Chrysene	U	0.02	mg/kg							U
Benzo[b]fluoranthene	U	0.04	mg/kg							U
Benzo[k]fluoranthene	U	0.02	mg/kg							U
Benzo[a]pyrene	U	0.05	mg/kg							U
Dibenz[a,h]anthracene	U	0.08	mg/kg							U
Indeno[1,2,3-cd]pyrene	U	0.04	mg/kg							U
Benzo[g,h,i]perylene	U	0.3	mg/kg							U
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.07</i>		<i>mg/kg</i>	<i>1.500</i>		<i>71.4</i>	<i>47-131</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.18</i>		<i>mg/kg</i>	<i>1.500</i>		<i>78.5</i>	<i>51-134</i>			



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809031 - EPA 3545

Blank (B809031-BLK1) Continued

Prepared: 09/03/08 Analyzed: 09/11/08

Surrogate: *p*-Terphenyl-d14 1.44 mg/kg 1.500

95.8 59-135

LCS (B809031-BS1)

Prepared: 09/03/08 Analyzed: 09/11/08

Naphthalene	2.5	0.3	mg/kg	2.500	99.3	60-135
2-Methylnaphthalene	2.4	0.3	mg/kg	2.500	97.1	60-135
1-Methylnaphthalene	2.4	0.3	mg/kg	2.500	95.6	60-135
Acenaphthylene	2.1	0.3	mg/kg	2.500	82.5	60-135
Acenaphthene	2.1	0.3	mg/kg	2.500	83.1	60-135
Fluorene	2.1	0.3	mg/kg	2.500	84.7	60-135
Phenanthrene	2.3	0.3	mg/kg	2.500	90.4	60-135
Anthracene	2.1	0.3	mg/kg	2.500	83.3	60-135
Fluoranthene	2.2	0.3	mg/kg	2.500	87.3	60-135
Pyrene	2.3	0.3	mg/kg	2.500	93.0	60-135
Benzo[a]anthracene	1.9	0.04	mg/kg	2.500	77.9	60-135
Chrysene	2.0	0.02	mg/kg	2.500	78.9	60-135
Benzo[b]fluoranthene	2.0	0.04	mg/kg	2.500	80.4	60-135
Benzo[k]fluoranthene	2.0	0.02	mg/kg	2.500	81.1	60-135
Benzo[a]pyrene	2.1	0.05	mg/kg	2.500	83.5	60-135
Dibenz[a,h]anthracene	2.1	0.08	mg/kg	2.500	85.3	60-135
Indeno[1,2,3-cd]pyrene	2.2	0.04	mg/kg	2.500	87.1	60-135
Benzo[g,h,i]perylene	2.1	0.3	mg/kg	2.500	82.5	60-135

Surrogate: Nitrobenzene-d5 1.07 mg/kg 1.500

71.5 60-135

Surrogate: 2-Fluorobiphenyl 1.09 mg/kg 1.500

72.9 60-135

Surrogate: *p*-Terphenyl-d14 1.32 mg/kg 1.500

88.2 60-135

LCS Dup (B809031-BSD1)

Prepared & Analyzed: 09/11/08

Naphthalene	2.3	0.3	mg/kg	2.500	93.9	60-135	5.57	25
2-Methylnaphthalene	2.4	0.3	mg/kg	2.500	96.5	60-135	0.641	25
1-Methylnaphthalene	2.4	0.3	mg/kg	2.500	94.6	60-135	0.989	25
Acenaphthylene	2.1	0.3	mg/kg	2.500	85.1	60-135	3.15	25
Acenaphthene	2.3	0.3	mg/kg	2.500	92.7	60-135	10.9	25
Fluorene	2.5	0.3	mg/kg	2.500	99.6	60-135	16.2	25
Phenanthrene	2.1	0.3	mg/kg	2.500	82.1	60-135	9.62	25
Anthracene	2.0	0.3	mg/kg	2.500	80.5	60-135	3.47	25
Fluoranthene	2.0	0.3	mg/kg	2.500	79.1	60-135	9.86	25
Pyrene	1.9	0.3	mg/kg	2.500	75.3	60-135	21.1	25
Benzo[a]anthracene	2.0	0.04	mg/kg	2.500	79.3	60-135	1.81	25
Chrysene	2.2	0.02	mg/kg	2.500	87.0	60-135	9.79	25
Benzo[b]fluoranthene	2.3	0.04	mg/kg	2.500	92.7	60-135	14.2	25



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809031 - EPA 3545

LCS Dup (B809031-BSD1) Continued

Prepared & Analyzed: 09/11/08

Benzo[k]fluoranthene	2.2	0.02	mg/kg	2.500		88.5	60-135	8.73	25	
Benzo[a]pyrene	2.1	0.05	mg/kg	2.500		83.6	60-135	0.0958	25	
Dibenz[a,h]anthracene	2.1	0.08	mg/kg	2.500		83.1	60-135	2.54	25	
Indeno[1,2,3-cd]pyrene	2.0	0.04	mg/kg	2.500		79.7	60-135	8.87	25	
Benzo[g,h,i]perylene	1.9	0.3	mg/kg	2.500		77.7	60-135	5.94	25	
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.23</i>		<i>mg/kg</i>	<i>1.500</i>		<i>82.2</i>	<i>60-135</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.07</i>		<i>mg/kg</i>	<i>1.500</i>		<i>71.5</i>	<i>60-135</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>1.13</i>		<i>mg/kg</i>	<i>1.500</i>		<i>75.5</i>	<i>60-135</i>			

Calibration Check (B809031-CCV1)

Prepared & Analyzed: 09/11/08

Naphthalene	4.9		mg/kg	5.000		98.6	0-200			
2-Methylnaphthalene	4.9		mg/kg	5.000		97.6	0-200			
1-Methylnaphthalene	4.7		mg/kg	5.000		94.6	0-200			
Acenaphthylene	4.7		mg/kg	5.000		94.7	0-200			
Acenaphthene	4.8		mg/kg	5.000		95.6	0-200			
Fluorene	4.6		mg/kg	5.000		92.1	0-200			
Phenanthrene	4.4		mg/kg	5.000		88.8	0-200			
Anthracene	4.3		mg/kg	5.000		85.4	0-200			
Fluoranthene	4.4		mg/kg	5.000		87.6	0-200			
Pyrene	4.3		mg/kg	5.000		85.6	0-200			
Benzo[a]anthracene	4.3		mg/kg	5.000		85.3	0-200			
Chrysene	4.1		mg/kg	5.000		82.4	0-200			
Benzo[b]fluoranthene	4.6		mg/kg	5.000		91.6	0-200			
Benzo[k]fluoranthene	4.9		mg/kg	5.000		98.3	0-200			
Benzo[a]pyrene	4.7		mg/kg	5.000		94.7	0-200			
Dibenz[a,h]anthracene	4.9		mg/kg	5.000		98.2	0-200			
Indeno[1,2,3-cd]pyrene	4.6		mg/kg	5.000		91.7	0-200			
Benzo[g,h,i]perylene	4.5		mg/kg	5.000		90.3	0-200			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.32</i>		<i>mg/kg</i>	<i>1.500</i>		<i>88.2</i>	<i>0-200</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.35</i>		<i>mg/kg</i>	<i>1.500</i>		<i>90.1</i>	<i>0-200</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>1.50</i>		<i>mg/kg</i>	<i>1.500</i>		<i>99.7</i>	<i>0-200</i>			

EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1)

Prepared: 08/30/08 Analyzed: 09/04/08

1,2-Dibromomethane (EDB)	U	0.001	mg/kg							U
1,2-Dichloroethane	U	0.001	mg/kg							U
1,2-Dichloropropane	U	0.001	mg/kg							U



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

Dichlorodifluoromethane	U	0.001	mg/kg							U
Chloromethane	U	0.001	mg/kg							U
Vinyl Chloride	U	0.001	mg/kg							U
Bromomethane	U	0.001	mg/kg							U
Chloroethane	U	0.001	mg/kg							U
Trichlorofluoromethane	U	0.001	mg/kg							U
1,1-Dichloroethene	U	0.001	mg/kg							U
Methylene Chloride	U	0.001	mg/kg							U
MTBE	U	0.001	mg/kg							U
trans-1,2-Dichloroethene	U	0.001	mg/kg							U
1,1-Dichloroethane	U	0.001	mg/kg							U
2,2-Dichloropropane	U	0.001	mg/kg							U
cis-1,2-Dichloroethene	U	0.001	mg/kg							U
Chloroform	U	0.001	mg/kg							U
Bromochloromethane	U	0.001	mg/kg							U
1,1,1-Trichloroethane	U	0.001	mg/kg							U
1,1-Dichloropropene	U	0.001	mg/kg							U
Carbon Tetrachloride	U	0.001	mg/kg							U
Benzene	U	0.001	mg/kg							U
Trichloroethene	U	0.001	mg/kg							U
Dibromomethane	U	0.001	mg/kg							U
Bromodichloromethane	U	0.001	mg/kg							U
cis-1,3-Dichloropropene	U	0.001	mg/kg							U
Toluene	U	0.001	mg/kg							U
trans-1,3-Dichloropropene	U	0.001	mg/kg							U
1,1,2-Trichloroethane	U	0.001	mg/kg							U
1,3-Dichloropropane	U	0.001	mg/kg							U
Tetrachloroethene	U	0.001	mg/kg							U
Dibromochloromethane	U	0.001	mg/kg							U
Chlorobenzene	U	0.001	mg/kg							U
1,1,1,2-Tetrachloroethane	U	0.001	mg/kg							U
Ethylbenzene	U	0.001	mg/kg							U
m,p-Xylene	U	0.001	mg/kg							U
o-Xylene	U	0.001	mg/kg							U
Bromoform	U	0.001	mg/kg							U
1,3-Dichlorobenzene	U	0.001	mg/kg							U
1,4-Dichlorobenzene	U	0.001	mg/kg							U



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

1,2-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dibromo-3-Chloropropane	U	0.001	mg/kg							U
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0261</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0172</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>68.9</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0194</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.8</i>	<i>70-131</i>			

LCS (B809018-BS1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.015	0.001	mg/kg	0.02000		74.8	60-135			
Trichloroethene	0.020	0.001	mg/kg	0.02000		98.6	60-135			
Toluene	0.020	0.001	mg/kg	0.02000		99.6	60-135			
Chlorobenzene	0.020	0.001	mg/kg	0.02000		97.8	60-135			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0261</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.5</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0192</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>76.6</i>	<i>70-131</i>			

LCS Dup (B809018-BSD1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.016	0.001	mg/kg	0.02000		81.8	60-135	9.01	20	
Trichloroethene	0.021	0.001	mg/kg	0.02000		105	60-135	6.57	20	
Toluene	0.022	0.001	mg/kg	0.02000		108	60-135	8.13	20	
Chlorobenzene	0.021	0.001	mg/kg	0.02000		107	60-135	8.98	20	
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0260</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.5</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0195</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.8</i>	<i>70-131</i>			

Calibration Check (B809018-CCV1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.031		mg/kg	0.04000		77.0	60-135			
Trichloroethene	0.039		mg/kg	0.04000		97.5	60-135			
Toluene	0.040		mg/kg	0.04000		99.5	60-135			
Chlorobenzene	0.041		mg/kg	0.04000		101	60-135			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0264</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>106</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.6</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0193</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.1</i>	<i>70-131</i>			

EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1)

Prepared: 08/30/08 Analyzed: 09/03/08

1,2-Dibromomethane (EDB)	U	0.02	ug/L							U
1,2-Dichloroethane	U	1.0	ug/L							U
1,2-Dichloropropane	U	1.0	ug/L							U



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

Dichlorodifluoromethane	U	1.0	ug/L							U
Chloromethane	U	1.0	ug/L							U
Vinyl Chloride	U	1.0	ug/L							U
Bromomethane	U	1.0	ug/L							U
Chloroethane	U	1.0	ug/L							U
Trichlorofluoromethane	U	1.0	ug/L							U
1,1-Dichloroethene	U	1.0	ug/L							U
Methylene Chloride	U	1.0	ug/L							U
MTBE	U	1.0	ug/L							U
trans-1,2-Dichloroethene	U	1.0	ug/L							U
1,1-Dichloroethane	U	1.0	ug/L							U
2,2-Dichloropropane	U	1.0	ug/L							U
cis-1,2-Dichloroethene	U	1.0	ug/L							U
Chloroform	U	1.0	ug/L							U
Bromochloromethane	U	1.0	ug/L							U
1,1,1-Trichloroethane	U	1.0	ug/L							U
1,1-Dichloropropene	U	1.0	ug/L							U
Carbon Tetrachloride	U	1.0	ug/L							U
Benzene	U	1.0	ug/L							U
Trichloroethene	U	1.0	ug/L							U
Dibromomethane	U	0.002	ug/L							U
Bromodichloromethane	U	0.5	ug/L							U
cis-1,3-Dichloropropene	U	1.0	ug/L							U
Toluene	U	1.0	ug/L							U
trans-1,3-Dichloropropene	U	1.0	ug/L							U
1,1,2-Trichloroethane	U	1.0	ug/L							U
1,3-Dichloropropane	U	1.0	ug/L							U
Tetrachloroethene	U	0.2	ug/L							U
Dibromochloromethane	U	0.4	ug/L							U
Chlorobenzene	U	1.0	ug/L							U
1,1,1,2-Tetrachloroethane	U	0.2	ug/L							U
Ethylbenzene	U	1.0	ug/L							U
m,p-Xylene	U	1.0	ug/L							U
o-Xylene	U	1.0	ug/L							U
Bromoform	U	1.0	ug/L							U
1,3-Dichlorobenzene	U	1.0	ug/L							U
1,4-Dichlorobenzene	U	1.0	ug/L							U



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

1,1,2,2-Tetrachloroethane	U	1.0	ug/L							U
1,2-Dichlorobenzene	U	1.0	ug/L							U
1,2,3-Trichloropropane	U	0.2	ug/L							U
1,2-Dibromo-3-Chloropropane	U	0.002	ug/L							U
Bromobenzene	U	1.0	ug/L							U
2-Chloroethyl Vinyl Ether	U	1.0	ug/L							U

<i>Surrogate: Dibromofluoromethane</i>	26.8		ug/L	25.00		107	62-136			
<i>Surrogate: Toluene-d8</i>	17.3		ug/L	25.00		69.2	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	19.3		ug/L	25.00		77.2	70-131			

LCS (B809017-BS1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.2	1.0	ug/L	25.00		72.8	60-135			
Trichloroethene	23.3	1.0	ug/L	25.00		93.1	60-135			
Toluene	23.3	1.0	ug/L	25.00		93.2	60-135			
Chlorobenzene	23.7	1.0	ug/L	25.00		94.7	60-135			
<i>Surrogate: Dibromofluoromethane</i>	26.6		ug/L	25.00		106	62-136			
<i>Surrogate: Toluene-d8</i>	17.3		ug/L	25.00		69.1	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.7		ug/L	25.00		74.6	70-131			

LCS Dup (B809017-BSD1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.6	1.0	ug/L	25.00		74.4	60-135	2.18	20	
Trichloroethene	23.9	1.0	ug/L	25.00		95.6	60-135	2.67	20	
Toluene	24.3	1.0	ug/L	25.00		97.1	60-135	4.16	20	
Chlorobenzene	24.6	1.0	ug/L	25.00		98.4	60-135	3.81	20	
<i>Surrogate: Dibromofluoromethane</i>	26.4		ug/L	25.00		106	62-136			
<i>Surrogate: Toluene-d8</i>	17.6		ug/L	25.00		70.2	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.9		ug/L	25.00		75.8	70-131			

Calibration Check (B809017-CCV1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	33.6		ug/L	40.00		84.1	60-135			
Trichloroethene	38.8		ug/L	40.00		97.1	60-135			
Toluene	39.0		ug/L	40.00		97.5	60-135			
Chlorobenzene	41.4		ug/L	40.00		103	60-135			
<i>Surrogate: Dibromofluoromethane</i>	26.7		ug/L	25.00		107	62-136			
<i>Surrogate: Toluene-d8</i>	17.6		ug/L	25.00		70.4	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.8		ug/L	25.00		75.3	70-131			

FLPRO - Quality Control

Batch B809010 - EPA 3545



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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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FLPRO - Quality Control

Batch B809010 - EPA 3545

Blank (B809010-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	U	1.00	mg/kg							U
<i>Surrogate: o-Terphenyl</i>	1.71		mg/kg	2.500		68.6	37-142			

LCS (B809010-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	28.4	1.00	mg/kg	25.00		113	0-200			
<i>Surrogate: o-Terphenyl</i>	2.00		mg/kg	2.500		80.2	37-142			

Matrix Spike (B809010-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	13.2	1.00	mg/kg	12.50		106	0-200			
<i>Surrogate: o-Terphenyl</i>	1.86		mg/kg	2.500		74.2	37-142			

Matrix Spike Dup (B809010-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	12.2	1.00	mg/kg	12.50		97.2	0-200		200	
<i>Surrogate: o-Terphenyl</i>	1.79		mg/kg	2.500		71.7	37-142			

Batch B809011 - EPA 3510C

Blank (B809011-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	U	0.500	mg/L							U
<i>Surrogate: o-Terphenyl</i>	0.0287		mg/L	0.05000		57.5	37-142			

LCS (B809011-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	0.539	0.500	mg/L	0.5000		108	60-120			
<i>Surrogate: o-Terphenyl</i>	0.0406		mg/L	0.05000		81.3	37-142			

Matrix Spike (B809011-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	0.284	0.500	mg/L	0.2500		114	40-155			I
<i>Surrogate: o-Terphenyl</i>	0.0347		mg/L	0.05000		69.4	37-142			

Matrix Spike Dup (B809011-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	0.253	0.500	mg/L	0.2500		101	40-155		30	I
<i>Surrogate: o-Terphenyl</i>	0.0309		mg/L	0.05000		61.9	37-142			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1)

Prepared: 09/01/08 Analyzed: 09/03/08

Cadmium	U	0.005	mg/L							U
Chromium	U	0.005	mg/L							U
Lead	U	0.005	mg/L							U

LCS (B809001-BS1)

Prepared: 09/01/08 Analyzed: 09/03/08

Cadmium	0.093	0.005	mg/L	0.1000		93.0	80-120			
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LOG #: 0004948
COC#: 7899
REPORTED: 9/11/2008 12:09:52PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

LCS (B809001-BS1) Continued

Prepared: 09/01/08 Analyzed: 09/03/08

Chromium	0.090	0.005	mg/L	0.1000		90.5	80-120			
Lead	0.093	0.005	mg/L	0.1000		92.7	80-120			

Duplicate (B809001-DUP1)

Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08

Cadmium	U	0.005	mg/L					20		U
Chromium	U	0.005	mg/L					20		U
Lead	U	0.005	mg/L					20		U

Matrix Spike (B809001-MS1)

Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08

Cadmium	0.015	0.005	mg/L	0.02000		76.5	70-130			
Chromium	0.018	0.005	mg/L	0.02000		90.0	70-130			
Lead	0.018	0.005	mg/L	0.02000		92.5	70-130			

Matrix Spike Dup (B809001-MSD1)

Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08

Cadmium	0.014	0.005	mg/L	0.02000		71.5	70-130	6.76	25	
Chromium	0.016	0.005	mg/L	0.02000		82.5	70-130	8.70	25	
Lead	0.019	0.005	mg/L	0.02000		95.5	70-130	3.19	25	

Batch B809008 - NO PREP

Blank (B809008-BLK1)

Prepared & Analyzed: 09/03/08

Cadmium	U	0.400	mg/kg wet							U
Chromium	U	0.0004	mg/kg wet							U
Lead	U	0.200	mg/kg wet							U

LCS (B809008-BS1)

Prepared & Analyzed: 09/03/08

Cadmium	0.097	0.400	mg/kg wet	0.1000		97.2	80-120			I
Chromium	0.1	0.0004	mg/kg wet	0.1000		96.8	80-120			
Lead	0.085	0.200	mg/kg wet	0.1000		84.6	80-120			I

Duplicate (B809008-DUP1)

Source: 0004948-01 Prepared & Analyzed: 09/03/08

Cadmium	U	0.465	mg/kg dry		U				20	U
Chromium	4.5	0.0005	mg/kg dry		4.9			9.22	20	
Lead	U	0.233	mg/kg dry		U				20	U

Matrix Spike (B809008-MS1)

Source: 0004948-01 Prepared & Analyzed: 09/03/08

Cadmium	0.490	0.465	mg/kg dry	0.6977	U	70.2	70-130			
Chromium	5.6	0.0005	mg/kg dry	0.6977	4.9	107	70-130			
Lead	0.524	0.233	mg/kg dry	0.6977	U	75.2	70-130			

Matrix Spike Dup (B809008-MSD1)

Source: 0004948-01 Prepared & Analyzed: 09/03/08

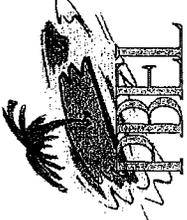
Cadmium	0.537	0.465	mg/kg dry	0.6977	U	77.0	70-130	9.33	25	
Chromium	5.8	0.0005	mg/kg dry	0.6977	4.9	125	70-130	2.25	25	
Lead	0.519	0.233	mg/kg dry	0.6977	U	74.3	70-130	1.11	25	



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental Laboratories, Inc.

Log #: 4449
 PO #:
 Quote #:
 FDEP:

CHAIN OF CUSTODY RECORD

LAB ANALYSIS										Matrix Codes			
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of Containers	I/E	I/B	I	pH	Matrix Codes	
												SD	OL
01	VW-SB1(0-2)	8/28/08	7:20	S			3	✓				GW	SL
02	Dup-7	8/28/08	8:15	S			3	✓				EFF	SO
03	VW-WP1	8/28/08	8:00	GW			5	✓				ATW	AQ
04	VW-WP1 (Filtered)	8/28/08	8:00	GW			1	✓				WW	NA
05	Dup-8	8/28/08	10:00	GW			5	✓				DW	O
06	Dup-8 (Filtered)	8/28/08	10:00	GW			1	✓				SW	O
07													
08													
09													
10													

T.A.T. Request:		RUSH	
Standard:	24 Hour	48 Hour	Date Due:
YN			

Item	Relinquished by	Affiliation	Date	Time	Received By	Affiliation	Date	Time	Initials
	<i>[Signature]</i>	WRS	8/30/08	10:30	<i>[Signature]</i>	SBEL	8/30/08	10:30	

Press Codes		Matrix Codes	
A. None	E. HCL	SD	OL
B. HNO3	F. MeOH	GW	SL
C. H2SO4	G. Na2S2O3	EFF	SO
D. NaOH	I. Ice	ATW	AQ
		WW	NA
		DW	O
		SW	O

Matrix Codes		Press Codes	
Sample INTACT upon receipt?	Received on Wet Ice? Temp. °C	Proper Preservatives Indicated?	Received within holding time?
Y	Y	Y	Y



Palm Beach Environmental
Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #:0004949

September 08, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 FAX: (561) 994-6524

LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: VW-SB1(0-2) Lab ID: 0004949-01 Sampled: 08/28/08 07:20
Matrix: Soil Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004949

COC#: 7901

REPORTED: 9/8/2008 9:48:10AM

PROJECT #: 38617-185

PROJECT: Kissimmee Field Station

Description: VW-SB1(0-2)
Matrix: Soil

Lab ID: 0004949-01
Sampled By: Jamie Sullivan

Sampled: 08/28/08 07:20
Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Date
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	09/03/08	PLS
% Recovery Q % Recovery Limits												
1868-53-7	Surrogate: Dibromofluoromethane	107 %										Limit 62-136
2037-26-5	Surrogate: Toluene-d8	71.2 %										Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	75.4 %										Limit 70-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Date
NA	FLPRO Total	14.3		mg/kg	EPA 3545 / RO	1	0.170	1.00	09/03/08	09/04/08	09/04/08	MH
% Recovery Q % Recovery Limits												
84-15-1	Surrogate: o-Terphenyl	84.3 %										Limit 37-142

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Date
7439-92-1	Lead	0.008	U	mg/kg dry	EPA 6020B	1	0.008	0.227	09/03/08	09/03/08	09/03/08	MH

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Date
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	09/02/08	MH



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LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-7	Lab ID: 0004949-02	Sampled: 08/28/08 08:15
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0063	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
% Recovery Q % Recovery Limits											
1868-53-7	Surrogate: Dibromofluoromethane	109 %									Limit 62-136
2037-26-5	Surrogate: Toluene-d8	72.2 %									Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	75.5 %									Limit 70-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
NA	FLPRO Total	5.00		mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
% Recovery Q % Recovery Limits											
84-15-1	Surrogate: o-Terphenyl	103 %									Limit 37-142

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
7439-92-1	Lead	0.008	U	mg/kg dry	EPA 6020B	1	0.008	0.230	09/03/08	09/03/08	MH

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
NA	% Solids	87.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



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LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: VW-WP1 **Lab ID:** 0004949-03 **Sampled:** 08/28/08 08:00
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.5	U	ug/L	EPA 8260B	1	0.5	0.5	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	0.4	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: VW-WP1 **Lab ID:** 0004949-03 **Sampled:** 08/28/08 08:00
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
108-38-3/10 6-42-3	m,p-Xylene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.3	U	ug/L	EPA 8260B	1	0.3	1.0	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
96-18-4	1,2,3-Trichloropropane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS

% Recovery Q % Recovery Limits

1868-53-7	Surrogate: Dibromofluoromethane	108 %		Limit 62-136
2037-26-5	Surrogate: Toluene-d8	70.1 %		Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	76.3 %		Limit 70-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C/RO	1	0.040	0.500	09/03/08	09/04/08	MH

% Recovery Q % Recovery Limits

84-15-1	Surrogate: o-Terphenyl	72.5 %		Limit 37-142
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Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

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LOG #: 0004949

COC#: 7901

REPORTED: 9/8/2008 9:48:10AM

PROJECT #: 38617-185

PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Prepared: 08/30/08 Analyzed: 09/04/08

Blank (B809018-BLK1)

1,2-Dibromomethane (EDB)	U	0.001	mg/kg							U
1,2-Dichloroethane	U	0.001	mg/kg							U
1,2-Dichloropropane	U	0.001	mg/kg							U
Dichlorodifluoromethane	U	0.001	mg/kg							U
Chloromethane	U	0.001	mg/kg							U
Vinyl Chloride	U	0.001	mg/kg							U
Bromomethane	U	0.001	mg/kg							U
Chloroethane	U	0.001	mg/kg							U
Trichlorofluoromethane	U	0.001	mg/kg							U
1,1-Dichloroethene	U	0.001	mg/kg							U
Methylene Chloride	U	0.001	mg/kg							U
MTBE	U	0.001	mg/kg							U
trans-1,2-Dichloroethene	U	0.001	mg/kg							U
1,1-Dichloroethane	U	0.001	mg/kg							U
2,2-Dichloropropane	U	0.001	mg/kg							U
cis-1,2-Dichloroethene	U	0.001	mg/kg							U
Chloroform	U	0.001	mg/kg							U
Bromochloromethane	U	0.001	mg/kg							U
1,1,1-Trichloroethane	U	0.001	mg/kg							U
1,1-Dichloropropene	U	0.001	mg/kg							U
Carbon Tetrachloride	U	0.001	mg/kg							U
Benzene	U	0.001	mg/kg							U
Trichloroethene	U	0.001	mg/kg							U
Dibromomethane	U	0.001	mg/kg							U
Bromodichloromethane	U	0.001	mg/kg							U
cis-1,3-Dichloropropene	U	0.001	mg/kg							U
Toluene	U	0.001	mg/kg							U
trans-1,3-Dichloropropene	U	0.001	mg/kg							U
1,1,2-Trichloroethane	U	0.001	mg/kg							U
1,3-Dichloropropane	U	0.001	mg/kg							U
Tetrachloroethene	U	0.001	mg/kg							U
Dibromochloromethane	U	0.001	mg/kg							U
Chlorobenzene	U	0.001	mg/kg							U
1,1,1,2-Tetrachloroethane	U	0.001	mg/kg							U
Ethylbenzene	U	0.001	mg/kg							U
m,p-Xylene	U	0.001	mg/kg							U
o-Xylene	U	0.001	mg/kg							U



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LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

Bromoform	U	0.001	mg/kg							U
1,3-Dichlorobenzene	U	0.001	mg/kg							U
1,4-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dibromo-3-Chloropropane	U	0.001	mg/kg							U

<i>Surrogate: Dibromofluoromethane</i>	<i>0.0261</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0172</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>68.9</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0194</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.8</i>	<i>70-131</i>			

LCS (B809018-BS1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.015	0.001	mg/kg	0.02000		74.8	60-135			
Trichloroethene	0.020	0.001	mg/kg	0.02000		98.6	60-135			
Toluene	0.020	0.001	mg/kg	0.02000		99.6	60-135			
Chlorobenzene	0.020	0.001	mg/kg	0.02000		97.8	60-135			

<i>Surrogate: Dibromofluoromethane</i>	<i>0.0261</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.5</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0192</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>76.6</i>	<i>70-131</i>			

LCS Dup (B809018-BSD1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.016	0.001	mg/kg	0.02000		81.8	60-135	9.01	20	
Trichloroethene	0.021	0.001	mg/kg	0.02000		105	60-135	6.57	20	
Toluene	0.022	0.001	mg/kg	0.02000		108	60-135	8.13	20	
Chlorobenzene	0.021	0.001	mg/kg	0.02000		107	60-135	8.98	20	

<i>Surrogate: Dibromofluoromethane</i>	<i>0.0260</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.5</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0195</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.8</i>	<i>70-131</i>			

Calibration Check (B809018-CCV1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.031		mg/kg	0.04000		77.0	60-135			
Trichloroethene	0.039		mg/kg	0.04000		97.5	60-135			
Toluene	0.040		mg/kg	0.04000		99.5	60-135			
Chlorobenzene	0.041		mg/kg	0.04000		101	60-135			

<i>Surrogate: Dibromofluoromethane</i>	<i>0.0264</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>106</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.6</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0193</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.1</i>	<i>70-131</i>			

EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1)

Prepared: 08/30/08 Analyzed: 09/03/08



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Prepared: 08/30/08 Analyzed: 09/03/08

Blank (B809017-BLK1) Continued

1,2-Dibromomethane (EDB)	U	0.02	ug/L							U
1,2-Dichloroethane	U	1.0	ug/L							U
1,2-Dichloropropane	U	1.0	ug/L							U
Dichlorodifluoromethane	U	1.0	ug/L							U
Chloromethane	U	1.0	ug/L							U
Vinyl Chloride	U	1.0	ug/L							U
Bromomethane	U	1.0	ug/L							U
Chloroethane	U	1.0	ug/L							U
Trichlorofluoromethane	U	1.0	ug/L							U
1,1-Dichloroethene	U	1.0	ug/L							U
Methylene Chloride	U	1.0	ug/L							U
MTBE	U	1.0	ug/L							U
trans-1,2-Dichloroethene	U	1.0	ug/L							U
1,1-Dichloroethane	U	1.0	ug/L							U
2,2-Dichloropropane	U	1.0	ug/L							U
cis-1,2-Dichloroethene	U	1.0	ug/L							U
Chloroform	U	1.0	ug/L							U
Bromochloromethane	U	1.0	ug/L							U
1,1,1-Trichloroethane	U	1.0	ug/L							U
1,1-Dichloropropene	U	1.0	ug/L							U
Carbon Tetrachloride	U	1.0	ug/L							U
Benzene	U	1.0	ug/L							U
Trichloroethene	U	1.0	ug/L							U
Dibromomethane	U	0.002	ug/L							U
Bromodichloromethane	U	0.5	ug/L							U
cis-1,3-Dichloropropene	U	1.0	ug/L							U
Toluene	U	1.0	ug/L							U
trans-1,3-Dichloropropene	U	1.0	ug/L							U
1,1,2-Trichloroethane	U	1.0	ug/L							U
1,3-Dichloropropane	U	1.0	ug/L							U
Tetrachloroethene	U	0.2	ug/L							U
Dibromochloromethane	U	0.4	ug/L							U
Chlorobenzene	U	1.0	ug/L							U
1,1,1,2-Tetrachloroethane	U	0.2	ug/L							U
Ethylbenzene	U	1.0	ug/L							U
m,p-Xylene	U	1.0	ug/L							U
o-Xylene	U	1.0	ug/L							U



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Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

Bromoform	U	1.0	ug/L							U
1,3-Dichlorobenzene	U	1.0	ug/L							U
1,4-Dichlorobenzene	U	1.0	ug/L							U
1,1,2,2-Tetrachloroethane	U	1.0	ug/L							U
1,2-Dichlorobenzene	U	1.0	ug/L							U
1,2,3-Trichloropropane	U	0.2	ug/L							U
1,2-Dibromo-3-Chloropropane	U	0.002	ug/L							U
Bromobenzene	U	1.0	ug/L							U
2-Chloroethyl Vinyl Ether	U	1.0	ug/L							U

<i>Surrogate: Dibromofluoromethane</i>	26.8		ug/L	25.00		107	62-136			
<i>Surrogate: Toluene-d8</i>	17.3		ug/L	25.00		69.2	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	19.3		ug/L	25.00		77.2	70-131			

LCS (B809017-BS1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.2	1.0	ug/L	25.00		72.8	60-135			
Trichloroethene	23.3	1.0	ug/L	25.00		93.1	60-135			
Toluene	23.3	1.0	ug/L	25.00		93.2	60-135			
Chlorobenzene	23.7	1.0	ug/L	25.00		94.7	60-135			

<i>Surrogate: Dibromofluoromethane</i>	26.6		ug/L	25.00		106	62-136			
<i>Surrogate: Toluene-d8</i>	17.3		ug/L	25.00		69.1	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.7		ug/L	25.00		74.6	70-131			

LCS Dup (B809017-BSD1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.6	1.0	ug/L	25.00		74.4	60-135	2.18	20	
Trichloroethene	23.9	1.0	ug/L	25.00		95.6	60-135	2.67	20	
Toluene	24.3	1.0	ug/L	25.00		97.1	60-135	4.16	20	
Chlorobenzene	24.6	1.0	ug/L	25.00		98.4	60-135	3.81	20	

<i>Surrogate: Dibromofluoromethane</i>	26.4		ug/L	25.00		106	62-136			
<i>Surrogate: Toluene-d8</i>	17.6		ug/L	25.00		70.2	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.9		ug/L	25.00		75.8	70-131			

Calibration Check (B809017-CCV1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	33.6		ug/L	40.00		84.1	60-135			
Trichloroethene	38.8		ug/L	40.00		97.1	60-135			
Toluene	39.0		ug/L	40.00		97.5	60-135			
Chlorobenzene	41.4		ug/L	40.00		103	60-135			

<i>Surrogate: Dibromofluoromethane</i>	26.7		ug/L	25.00		107	62-136			
<i>Surrogate: Toluene-d8</i>	17.6		ug/L	25.00		70.4	66-144			



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Boca Raton, FL 33487
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PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Calibration Check (B809017-CCV1) Contin

Prepared: 08/30/08 Analyzed: 09/03/08

Surrogate: 4-Bromofluorobenzene 18.8 ug/L 25.00 75.3 70-131

FLPRO - Quality Control

Batch B809010 - EPA 3545

Blank (B809010-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total U 1.00 mg/kg U

Surrogate: o-Terphenyl 1.71 mg/kg 2.500 68.6 37-142

LCS (B809010-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 28.4 1.00 mg/kg 25.00 113 0-200

Surrogate: o-Terphenyl 2.00 mg/kg 2.500 80.2 37-142

Matrix Spike (B809010-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 13.2 1.00 mg/kg 12.50 106 0-200

Surrogate: o-Terphenyl 1.86 mg/kg 2.500 74.2 37-142

Matrix Spike Dup (B809010-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 12.2 1.00 mg/kg 12.50 97.2 0-200 200

Surrogate: o-Terphenyl 1.79 mg/kg 2.500 71.7 37-142

Batch B809011 - EPA 3510C

Blank (B809011-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total U 0.500 mg/L U

Surrogate: o-Terphenyl 0.0287 mg/L 0.05000 57.5 37-142

LCS (B809011-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.539 0.500 mg/L 0.5000 108 60-120

Surrogate: o-Terphenyl 0.0406 mg/L 0.05000 81.3 37-142

Matrix Spike (B809011-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.284 0.500 mg/L 0.2500 114 40-155 |

Surrogate: o-Terphenyl 0.0347 mg/L 0.05000 69.4 37-142

Matrix Spike Dup (B809011-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.253 0.500 mg/L 0.2500 101 40-155 30 |

Surrogate: o-Terphenyl 0.0309 mg/L 0.05000 61.9 37-142

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1)

Prepared: 09/01/08 Analyzed: 09/03/08



CERTIFICATE OF ANALYSIS

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7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004949
COC#: 7901
REPORTED: 9/8/2008 9:48:10AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1) Continued

Prepared: 09/01/08 Analyzed: 09/03/08

Lead	U	0.005	mg/L							U
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LCS (B809001-BS1)

Prepared: 09/01/08 Analyzed: 09/03/08

Lead	0.093	0.005	mg/L	0.1000		92.7	80-120			
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Duplicate (B809001-DUP1)

Source: 0004950-02

Prepared: 09/01/08 Analyzed: 09/03/08

Lead	U	0.005	mg/L					20		U
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Matrix Spike (B809001-MS1)

Source: 0004950-02

Prepared: 09/01/08 Analyzed: 09/03/08

Lead	0.018	0.005	mg/L	0.02000		92.5	70-130			
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Matrix Spike Dup (B809001-MSD1)

Source: 0004950-02

Prepared: 09/01/08 Analyzed: 09/03/08

Lead	0.019	0.005	mg/L	0.02000		95.5	70-130	3.19	25	
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Batch B809008 - NO PREP

Blank (B809008-BLK1)

Prepared & Analyzed: 09/03/08

Lead	U	0.200	mg/kg wet							U
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LCS (B809008-BS1)

Prepared & Analyzed: 09/03/08

Lead	0.085	0.200	mg/kg wet	0.1000		84.6	80-120			I
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Duplicate (B809008-DUP1)

Source: 0004948-01

Prepared & Analyzed: 09/03/08

Lead	U	0.233	mg/kg dry		U			20		U
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Matrix Spike (B809008-MS1)

Source: 0004948-01

Prepared & Analyzed: 09/03/08

Lead	0.524	0.233	mg/kg dry	0.6977	U	75.2	70-130			
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Matrix Spike Dup (B809008-MSD1)

Source: 0004948-01

Prepared & Analyzed: 09/03/08

Lead	0.519	0.233	mg/kg dry	0.6977	U	74.3	70-130	1.11	25	
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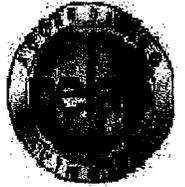
Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental
Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #: 0004950

September 16, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: CS-SB1(0-2) **Lab ID:** 0004950-01 **Sampled:** 08/28/08 09:00
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8151 List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
75-99-0	Dalapon	0.24	U	mg/kg	EPA 8151	1	0.24	0.97	09/09/08	09/15/08	SL	
1918-00-9	Dicamba	0.04	U	mg/kg	EPA 8151	1	0.04	0.14	09/09/08	09/15/08	SL	
7085-19-0	MCPP	0.63	U	mg/kg	EPA 8151	1	0.63	2.60	09/09/08	09/15/08	SL	
94-74-6	MCPA	0.59	U	mg/kg	EPA 8151	1	0.59	2.30	09/09/08	09/15/08	SL	
120-36-5	Dichloroprop	0.04	U	mg/kg	EPA 8151	1	0.04	0.15	09/09/08	09/15/08	SL	
94-75-7	2,4-D	0.06	U	mg/kg	EPA 8151	1	0.06	0.22	09/09/08	09/15/08	SL	
93-72-1	2,4,5-TP (Silvex)	0.19	U	mg/kg	EPA 8151	1	0.19	0.77	09/09/08	09/15/08	SL	
93-76-5	2,4,5-T	0.04	U	mg/kg	EPA 8151	1	0.04	0.14	09/09/08	09/15/08	SL	
94-82-6	2,4-DB	0.06	U	mg/kg	EPA 8151	1	0.06	0.26	09/09/08	09/15/08	SL	
88-85-7	Dinoseb	0.05	U	mg/kg	EPA 8151	1	0.05	0.19	09/09/08	09/15/08	SL	

EPA Method 8081A

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
319-84-6	alpha-BHC	0.033	U	ug/kg	EPA 3545 / 8081A	1	0.033	0.100	09/09/08	09/06/08	MH	
58-89-9	gamma-BHC (Lindane)	0.035	U	ug/kg	EPA 3545 / 8081A	1	0.035	0.100	09/09/08	09/06/08	MH	
76-44-8	Heptachlor	0.036	U	ug/kg	EPA 3545 / 8081A	1	0.036	0.100	09/09/08	09/06/08	MH	
309-00-2	Aldrin	0.032	U	ug/kg	EPA 3545 / 8081A	1	0.032	0.100	09/09/08	09/06/08	MH	
319-85-7	beta-BHC	0.052	U	ug/kg	EPA 3545 / 8081A	1	0.052	0.100	09/09/08	09/06/08	MH	
319-86-8	delta-BHC	0.037	U	ug/kg	EPA 3545 / 8081A	1	0.037	0.100	09/09/08	09/06/08	MH	
1024-57-3	Heptachlor epoxide	0.038	U	ug/kg	EPA 3545 / 8081A	1	0.038	0.100	09/09/08	09/06/08	MH	
959-98-8	Endosulfan I	0.034	U	ug/kg	EPA 3545 / 8081A	1	0.034	0.100	09/09/08	09/06/08	MH	
5566-34-7	gamma-Chlordane	0.036	U	ug/kg	EPA 3545 / 8081A	1	0.036	0.100	09/09/08	09/06/08	MH	
5103-71-9	alpha-Chlordane	0.035	U	ug/kg	EPA 3545 / 8081A	1	0.035	0.100	09/09/08	09/06/08	MH	
72-55-9	4,4-DDE	0.036	U	ug/kg	EPA 3545 / 8081A	1	0.036	0.100	09/09/08	09/06/08	MH	
60-57-1	Dieldrin	0.035	U	ug/kg	EPA 3545 / 8081A	1	0.035	0.100	09/09/08	09/06/08	MH	
72-20-8	Endrin	0.013	U	ug/kg	EPA 3545 / 8081A	1	0.013	0.100	09/09/08	09/06/08	MH	
33213-65-9	Endosulfan II	0.049	U	ug/kg	EPA 3545 / 8081A	1	0.049	0.100	09/09/08	09/06/08	MH	
72-54-8	4,4-DDD	0.068	U	ug/kg	EPA 3545 / 8081A	1	0.068	0.100	09/09/08	09/06/08	MH	
50-29-3	4,4-DDT	0.028	U	ug/kg	EPA 3545 / 8081A	1	0.028	0.100	09/09/08	09/06/08	MH	
7421-93-4	Endrin aldehyde	0.041	U	ug/kg	EPA 3545 / 8081A	1	0.041	0.100	09/09/08	09/06/08	MH	
1031-07-8	Endosulfan sulfate	0.041	U	ug/kg	EPA 3545 / 8081A	1	0.041	0.100	09/09/08	09/06/08	MH	
72-43-5	Methoxychlor	0.100	U	ug/kg	EPA 3545 / 8081A	1	0.100	0.100	09/09/08	09/06/08	MH	
53494-70-5	Endrin Ketone	0.032	U	ug/kg	EPA 3545 / 8081A	1	0.032	0.100	09/09/08	09/06/08	MH	
NA	Total Chlordane	0.100	U	ug/kg	EPA 3545 / 8081A	1	0.100	0.100	09/09/08	09/06/08	MH	
8001-35-2	Toxaphene	0.100	U	ug/kg	EPA 3545 / 8081A	1	0.100	0.100	09/09/08	09/06/08	MH	



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: CS-SB1(0-2) **Lab ID:** 0004950-01 **Sampled:** 08/28/08 09:00
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8081A

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
		% Recovery		Q	% Recovery Limits						
2051-24-3	Surrogate: Decachlorobiphenyl	64.7 %			Limit 56-153						
877-09-8	Surrogate: Tetrachloro-m-xylene	71.8 %			Limit 46-153						

EPA Method 8141 in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
3244-90-4	Aspon	0.008	U	mg/kg dry	EPA 3545 / 8270C	1	0.008	0.1	09/10/08	09/16/08	SL
86-50-0	Azinphos, Methyl	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
2642-71-9	Azinphos, Ethyl	0.03	U	mg/kg dry	EPA 3545 / 8270C	1	0.03	0.1	09/10/08	09/16/08	SL
786-19-6	Carbophenothion	0.008	U	mg/kg dry	EPA 3545 / 8270C	1	0.008	0.1	09/10/08	09/16/08	SL
2921-88-2	Chlorpyrifos	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
5598-13-0	Chlorpyrifos Methyl	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
56-72-4	Coumaphos	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
8065-48-3	Demeton O & S	0.03	U	mg/kg dry	EPA 3545 / 8270C	1	0.03	0.1	09/10/08	09/16/08	SL
333-41-5	Diazinon	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
62-73-7	Dichlorvos (DDVP)	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
141-66-2	Dicrotophos	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
60-51-5	Dimethoate	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL
298-04-4	Disulfoton	0.03	U	mg/kg dry	EPA 3545 / 8270C	1	0.03	0.1	09/10/08	09/16/08	SL
2104-64-5	EPN	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL
563-12-2	Ethion	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
13194-48-4	Ethoprop	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL
52-85-7	Famphur	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
122-14-5	Fenitrothion	0.1	U	mg/kg dry	EPA 3545 / 8270C	1	0.1	0.5	09/10/08	09/16/08	SL
115-90-2	Fensulfothion	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
55-38-9	Fenthion	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL
944-22-9	Fonophos	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL
21609-90-5	Leptophos	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
121-75-5	Malathion	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL
150-50-5	Merphos	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
7786-34-7	Mevinphos	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL
6923-22-4	Monocrotophos	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL
300-76-5	Naled	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL
56-38-2	Parathion-ethyl	0.01	U	mg/kg dry	EPA 3545 / 8270C	1	0.01	0.1	09/10/08	09/16/08	SL



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: CS-SB1(0-2) **Lab ID:** 0004950-01 **Sampled:** 08/28/08 09:00
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8141 in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
298-00-0	Parathion-methyl	0.009	U	mg/kg dry	EPA 3545 / 8270C	1	0.009	0.1	09/10/08	09/16/08	SL	
298-02-2	Phorate	0.003	U	mg/kg dry	EPA 3545 / 8270C	1	0.003	0.1	09/10/08	09/16/08	SL	
13171-21-6	Phosphamidon	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
299-84-3	Ronnel	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
22248-79-9	Stirophos (Tetrachlorvinphos)	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
3689-24-5	Sulfotepp	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
107-49-3	TEPP (Tetraethyl Pyrophosphate)	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
13071-79-9	Terbufos	0.003	U	mg/kg dry	EPA 3545 / 8270C	1	0.003	0.1	09/10/08	09/16/08	SL	
297-97-2	Thionazin (Zinophos)	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
34643-46-4	Tokuthion (Prothiofos)	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
327-98-0	Trichloronate	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
1912-24-9	Atrazine	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
122-34-9	Simazine	0.02	U	mg/kg dry	EPA 3545 / 8270C	1	0.02	0.1	09/10/08	09/16/08	SL	
732-11-6	Phosmet	0.009	U	mg/kg dry	EPA 3545 / 8270C	1	0.009	0.1	09/10/08	09/16/08	SL	
		% Recovery	Q	% Recovery Limits								
NA	Surrogate: p-Terphenyl-d14	%	U	Limit 5-130								

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
7440-38-2	Arsenic	0.57		mg/kg dry	EPA 6020B	1	0.003	0.24	09/03/08	09/03/08	MH	

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
NA	% Solids	83.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH	



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: CS-WP1 **Lab ID:** 0004950-02 **Sampled:** 08/28/08 10:05
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8151 List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
75-99-0	Dalapon	0.120	U	ug/L	EPA 8151	1	0.120	0.480	09/03/08	09/15/08	SL	
1918-00-9	Dicamba	0.340	U	ug/L	EPA 8151	1	0.340	1.40	09/03/08	09/15/08	SL	
94-75-7	2,4-D	0.450	U	ug/L	EPA 8151	1	0.450	1.80	09/03/08	09/15/08	SL	
94-82-6	2,4-DB	0.200	U	ug/L	EPA 8151	1	0.200	0.800	09/03/08	09/15/08	SL	
120-36-5	Dichloroprop	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
88-85-7	Dinoseb	0.160	U	ug/L	EPA 8151	1	0.160	0.640	09/03/08	09/15/08	SL	
94-74-6	MCPA	0.350	U	ug/L	EPA 8151	1	0.350	1.40	09/03/08	09/15/08	SL	
7085-19-0	MCPP	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
93-76-5	2,4,5-T	0.140	U	ug/L	EPA 8151	1	0.140	0.560	09/03/08	09/15/08	SL	
93-72-1	2,4,5-TP (Silvex)	0.440	U	ug/L	EPA 8151	1	0.440	1.80	09/03/08	09/15/08	SL	

EPA Method 8081A

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
319-84-6	alpha-BHC	0.0007	U	ug/L	EPA 3510C / 8081A	1	0.0007	0.004	09/09/08	09/06/08	MH	
58-89-9	gamma-BHC (Lindane)	0.0009	U	ug/L	EPA 3510C / 8081A	1	0.0009	0.004	09/09/08	09/06/08	MH	
76-44-8	Heptachlor	0.0009	U	ug/L	EPA 3510C / 8081A	1	0.0009	0.004	09/09/08	09/06/08	MH	
309-00-2	Aldrin	0.0008	U	ug/L	EPA 3510C / 8081A	1	0.0008	0.004	09/09/08	09/06/08	MH	
319-85-7	beta-BHC	0.0009	U	ug/L	EPA 3510C / 8081A	1	0.0009	0.004	09/09/08	09/06/08	MH	
319-86-8	delta-BHC	0.0009	U	ug/L	EPA 3510C / 8081A	1	0.0009	0.004	09/09/08	09/06/08	MH	
1024-57-3	Heptachlor epoxide	0.0008	U	ug/L	EPA 3510C / 8081A	1	0.0008	0.004	09/09/08	09/06/08	MH	
959-98-8	Endosulfan I	0.0008	U	ug/L	EPA 3510C / 8081A	1	0.0008	0.004	09/09/08	09/06/08	MH	
5566-34-7	gamma-Chlordane	0.0007	U	ug/L	EPA 3510C / 8081A	1	0.0007	0.004	09/09/08	09/06/08	MH	
5103-71-9	alpha-Chlordane	0.0007	U	ug/L	EPA 3510C / 8081A	1	0.0007	0.004	09/09/08	09/06/08	MH	
72-55-9	4,4-DDE	0.0008	U	ug/L	EPA 3510C / 8081A	1	0.0008	0.004	09/09/08	09/06/08	MH	
60-57-1	Dieldrin	0.00075	U	ug/L	EPA 3510C / 8081A	1	0.00075	0.002	09/09/08	09/06/08	MH	
72-20-8	Endrin	0.0009	U	ug/L	EPA 3510C / 8081A	1	0.0009	0.004	09/09/08	09/06/08	MH	
33213-65-9	Endosulfan II	0.0008	U	ug/L	EPA 3510C / 8081A	1	0.0008	0.004	09/09/08	09/06/08	MH	
72-54-8	4,4-DDD	0.0008	U	ug/L	EPA 3510C / 8081A	1	0.0008	0.004	09/09/08	09/06/08	MH	
50-29-3	4,4-DDT	0.0008	U	ug/L	EPA 3510C / 8081A	1	0.0008	0.004	09/09/08	09/06/08	MH	
7421-93-4	Endrin aldehyde	0.001	U	ug/L	EPA 3510C / 8081A	1	0.001	0.004	09/09/08	09/06/08	MH	
1031-07-8	Endosulfan sulfate	0.0009	U	ug/L	EPA 3510C / 8081A	1	0.0009	0.004	09/09/08	09/06/08	MH	
72-43-5	Methoxychlor	0.001	U	ug/L	EPA 3510C / 8081A	1	0.001	0.004	09/09/08	09/06/08	MH	
53494-70-5	Endrin Ketone	0.0008	U	ug/L	EPA 3510C / 8081A	1	0.0008	0.004	09/09/08	09/06/08	MH	
NA	Total Chlordane	0.004	U	ug/L	EPA 3510C / 8081A	1	0.004	0.004	09/09/08	09/06/08	MH	
8001-35-2	Toxaphene	0.005	U	ug/L	EPA 3510C / 8081A	1	0.005	0.005	09/09/08	09/06/08	MH	



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: CS-WP1 Lab ID: 0004950-02 Sampled: 08/28/08 10:05
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8081A

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
		% Recovery		% Recovery Limits							
2051-24-3	Surrogate: Decachlorobiphenyl	81.8 %			Limit 41-129						
877-09-8	Surrogate: Tetrachloro-m-xylene	98.8 %			Limit 42-129						

EPA Method 8141 in Water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
	Bolstar, (Sulprofos)	0.09	U	ug/L	EPA 3510C / 8270C	1	0.09	1.0	09/03/08	09/05/08	SL
	Crotoxphos (Ciodrin)	0.02	U	ug/L	EPA 3510C / 8270C	1	0.02	5.0	09/03/08	09/05/08	SL
	Dichlofenthion	0.07	U	ug/L	EPA 3510C / 8270C	1	0.07	1.0	09/03/08	09/05/08	SL
3244-90-4	Aspon	0.06	U	ug/L	EPA 3510C / 8270C	1	0.06	1.0	09/03/08	09/05/08	SL
86-50-0	Azinphos, Methyl	0.5	U	ug/L	EPA 3510C / 8270C	1	0.5	2.1	09/03/08	09/05/08	SL
2642-71-9	Azinphos, Ethyl	0.07	U	ug/L	EPA 3510C / 8270C	1	0.07	1.0	09/03/08	09/05/08	SL
786-19-6	Carbophenothion	0.06	U	ug/L	EPA 3510C / 8270C	1	0.06	1.0	09/03/08	09/05/08	SL
2921-88-2	Chlorpyrifos	0.08	U	ug/L	EPA 3510C / 8270C	1	0.08	1.0	09/03/08	09/05/08	SL
5598-13-0	Chlorpyrifos Methyl	0.08	U	ug/L	EPA 3510C / 8270C	1	0.08	1.0	09/03/08	09/05/08	SL
56-72-4	Coumaphos	0.5	U	ug/L	EPA 3510C / 8270C	1	0.5	2.0	09/03/08	09/05/08	SL
8065-48-3	Demeton O & S	0.02	U	ug/L	EPA 3510C / 8270C	1	0.02	1.0	09/03/08	09/05/08	SL
333-41-5	Diazinon	0.05	U	ug/L	EPA 3510C / 8270C	1	0.05	1.0	09/03/08	09/05/08	SL
62-73-7	Dichlorvos (DDVP)	0.06	U	ug/L	EPA 3510C / 8270C	1	0.06	1.0	09/03/08	09/05/08	SL
141-66-2	Dicrotophos	0.2	U	ug/L	EPA 3510C / 8270C	1	0.2	1.0	09/03/08	09/05/08	SL
60-51-5	Dimethoate	0.07	U	ug/L	EPA 3510C / 8270C	1	0.07	1.0	09/03/08	09/05/08	SL
298-04-4	Disulfoton	0.04	U	ug/L	EPA 3510C / 8270C	1	0.04	1.0	09/03/08	09/05/08	SL
2104-64-5	EPN	0.2	U	ug/L	EPA 3510C / 8270C	1	0.2	1.0	09/03/08	09/05/08	SL
563-12-2	Ethion	0.1	U	ug/L	EPA 3510C / 8270C	1	0.1	1.0	09/03/08	09/05/08	SL
13194-48-4	Ethoprop	0.05	U	ug/L	EPA 3510C / 8270C	1	0.05	1.0	09/03/08	09/05/08	SL
52-85-7	Famphur	0.1	U	ug/L	EPA 3510C / 8270C	1	0.1	1.0	09/03/08	09/05/08	SL
122-14-5	Fenitrothion	0.05	U	ug/L	EPA 3510C / 8270C	1	0.05	1.0	09/03/08	09/05/08	SL
115-90-2	Fensulfothion	0.08	U	ug/L	EPA 3510C / 8270C	1	0.08	1.0	09/03/08	09/05/08	SL
55-38-9	Fenthion	0.06	U	ug/L	EPA 3510C / 8270C	1	0.06	1.0	09/03/08	09/05/08	SL
944-22-9	Fonophos	0.08	U	ug/L	EPA 3510C / 8270C	1	0.08	1.0	09/03/08	09/05/08	SL
21609-90-5	Leptophos	0.3	U	ug/L	EPA 3510C / 8270C	1	0.3	1.0	09/03/08	09/05/08	SL
121-75-5	Malathion	0.07	U	ug/L	EPA 3510C / 8270C	1	0.07	1.0	09/03/08	09/05/08	SL
150-50-5	Merphos	0.02	U	ug/L	EPA 3510C / 8270C	1	0.02	1.0	09/03/08	09/05/08	SL
7786-34-7	Mevinphos	0.05	U	ug/L	EPA 3510C / 8270C	1	0.05	1.0	09/03/08	09/05/08	SL



Palm Beach Environmental
Laboratories Inc.

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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: CS-WP1	Lab ID: 0004950-02	Sampled: 08/28/08 10:05
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8141 in Water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
6923-22-4	Monocrotophos	0.05	U	ug/L	EPA 3510C / 8270C	1	0.05	1.0	09/03/08	09/05/08	SL
300-76-5	Naled	0.2	U	ug/L	EPA 3510C / 8270C	1	0.2	1.0	09/03/08	09/05/08	SL
298-00-0	Parathion-methyl	0.05	U	ug/L	EPA 3510C / 8270C	1	0.05	1.0	09/03/08	09/05/08	SL
298-02-2	Phorate	0.04	U	ug/L	EPA 3510C / 8270C	1	0.04	1.0	09/03/08	09/05/08	SL
13171-21-6	Phosphamidon	0.2	U	ug/L	EPA 3510C / 8270C	1	0.2	1.0	09/03/08	09/05/08	SL
299-84-3	Ronnel	0.05	U	ug/L	EPA 3510C / 8270C	1	0.05	1.0	09/03/08	09/05/08	SL
22248-79-9	Stirophos (Tetrachlorvinphos)	0.08	U	ug/L	EPA 3510C / 8270C	1	0.08	1.0	09/03/08	09/05/08	SL
3689-24-5	Sulfotepp	0.08	U	ug/L	EPA 3510C / 8270C	1	0.08	1.0	09/03/08	09/05/08	SL
107-49-3	TEPP (Tetraethyl Pyrophosphate)	0.02	U	ug/L	EPA 3510C / 8270C	1	0.02	1.0	09/03/08	09/05/08	SL
13071-79-9	Terbufos	0.09	U	ug/L	EPA 3510C / 8270C	1	0.09	1.0	09/03/08	09/05/08	SL
297-97-2	Thionazin (Zinophos)	0.05	U	ug/L	EPA 3510C / 8270C	1	0.05	1.0	09/03/08	09/05/08	SL
1912-24-9	Atrazine	0.06	U	ug/L	EPA 3510C / 8270C	1	0.06	1.0	09/03/08	09/05/08	SL
34643-46-4	Tokuthion (Prothiofos)	0.06	U	ug/L	EPA 3510C / 8270C	1	0.06	1.0	09/03/08	09/05/08	SL
122-34-9	Simazine	0.07	U	ug/L	EPA 3510C / 8270C	1	0.07	1.0	09/03/08	09/05/08	SL
732-11-6	Phosmet	0.1	U	ug/L	EPA 3510C / 8270C	1	0.1	1.0	09/03/08	09/05/08	SL
327-98-0	Trichloronate	0.08	U	ug/L	EPA 3510C / 8270C	1	0.08	1.0	09/03/08	09/05/08	SL
		% Recovery		Q	% Recovery Limits						
NA	Surrogate: p-Terphenyl-d14	%		U	Limit 5-130						

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
7440-38-2	Arsenic	0.0004	U	mg/L	EPA 6020B	1	0.0004	0.005	09/01/08	09/03/08	MH



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: SWR-SB1(0-2)	Lab ID: 0004950-04	Sampled: 08/28/08 09:15
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

FLPRO							Extraction	Analysis			
<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	FLPRO Total	13.8		mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery		Q	% Recovery Limits						
84-15-1	Surrogate: o-Terphenyl	90.5 %			Limit 37-142						



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: SWR-SB3(0-2)	Lab ID: 0004950-05	Sampled: 08/28/08 09:30
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

FLPRO							Extraction		Analysis		
<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Date</u>	<u>Date</u>	<u>Analyst</u>
NA	FLPRO Total	0.170	U	mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery		Q	% Recovery Limits						
84-15-1	Surrogate: o-Terphenyl	94.6 %			Limit 37-142						



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-11	Lab ID: 0004950-06	Sampled: 08/28/08 11:00
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

FLPRO

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	FLPRO Total	0.170	U	mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery	Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	87.1 %		Limit 37-142							



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8081A - Quality Control

Batch B809020 - EPA 3510C

Blank (B809020-BLK1)

Prepared: 09/09/08 Analyzed: 09/06/08

alpha-BHC	U	0.004	ug/L							U
gamma-BHC (Lindane)	U	0.004	ug/L							U
Heptachlor	U	0.004	ug/L							U
Aldrin	U	0.004	ug/L							U
beta-BHC	U	0.004	ug/L							U
delta-BHC	U	0.004	ug/L							U
Heptachlor epoxide	U	0.004	ug/L							U
Endosulfan I	U	0.004	ug/L							U
gamma-Chlordane	U	0.004	ug/L							U
alpha-Chlordane	U	0.004	ug/L							U
4,4-DDE	U	0.004	ug/L							U
Dieldrin	U	0.002	ug/L							U
Endrin	U	0.004	ug/L							U
Endosulfan II	U	0.004	ug/L							U
4,4-DDD	U	0.004	ug/L							U
4,4-DDT	U	0.004	ug/L							U
Endrin aldehyde	U	0.004	ug/L							U
Endosulfan sulfate	U	0.004	ug/L							U
Methoxychlor	U	0.004	ug/L							U
Endrin Ketone	U	0.004	ug/L							U

Surrogate: Decachlorobiphenyl 0.0214 ug/L 0.03000 71.4 41-129

Surrogate: Tetrachloro-m-xylene 0.0204 ug/L 0.03000 68.1 42-129

LCS (B809020-BS1)

Prepared: 09/09/08 Analyzed: 09/06/08

alpha-BHC	0.035	0.004	ug/L	0.04000	88.7	59-133
gamma-BHC (Lindane)	0.035	0.004	ug/L	0.04000	86.6	52-134
Heptachlor	0.037	0.004	ug/L	0.04000	91.6	58-131
Aldrin	0.036	0.004	ug/L	0.04000	89.6	56-120
beta-BHC	0.038	0.004	ug/L	0.04000	96.0	43-113
delta-BHC	0.027	0.004	ug/L	0.04000	67.3	32-141
Heptachlor epoxide	0.034	0.004	ug/L	0.04000	84.4	49-131
Endosulfan I	0.037	0.004	ug/L	0.04000	91.7	53-132
gamma-Chlordane	0.037	0.004	ug/L	0.04000	92.3	40-160
alpha-Chlordane	0.041	0.004	ug/L	0.04000	102	40-160
4,4-DDE	0.034	0.004	ug/L	0.04000	84.9	57-129
Dieldrin	0.042	0.002	ug/L	0.04000	105	51-133
Endrin	0.041	0.004	ug/L	0.04000	102	45-136
Endosulfan II	0.042	0.004	ug/L	0.04000	104	17-130



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8081A - Quality Control
Batch B809020 - EPA 3510C

LCS (B809020-BS1) Continued

Prepared: 09/09/08 Analyzed: 09/06/08

4,4-DDD	0.031	0.004	ug/L	0.04000		77.9	55-131			
4,4-DDT	0.026	0.004	ug/L	0.04000		65.8	40-179			
Endrin aldehyde	0.034	0.004	ug/L	0.04000		85.2	11-116			
Endosulfan sulfate	0.036	0.004	ug/L	0.04000		89.9	10-134			
Methoxychlor	0.025	0.004	ug/L	0.04000		62.9	32-162			
Endrin Ketone	0.025	0.004	ug/L	0.04000		61.4	51-135			
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0407</i>		<i>ug/L</i>	<i>0.03000</i>		<i>136</i>	<i>41-139</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0404</i>		<i>ug/L</i>	<i>0.03000</i>		<i>135</i>	<i>42-139</i>			

LCS Dup (B809020-BSD1)

Prepared: 09/09/08 Analyzed: 09/06/08

alpha-BHC	0.032	0.004	ug/L	0.04000		80.2	59-133	10.1	20	
gamma-BHC (Lindane)	0.037	0.004	ug/L	0.04000		92.2	52-134	6.21	20	
Heptachlor	0.034	0.004	ug/L	0.04000		85.8	58-131	6.51	20	
Aldrin	0.035	0.004	ug/L	0.04000		88.2	56-120	1.60	20	
beta-BHC	0.034	0.004	ug/L	0.04000		85.3	43-113	11.8	20	
delta-BHC	0.023	0.004	ug/L	0.04000		57.6	32-141	15.5	20	
Heptachlor epoxide	0.032	0.004	ug/L	0.04000		80.2	49-131	5.08	20	
Endosulfan I	0.035	0.004	ug/L	0.04000		88.6	53-132	3.40	20	
gamma-Chlordane	0.035	0.004	ug/L	0.04000		88.2	40-160	4.53	20	
alpha-Chlordane	0.039	0.004	ug/L	0.04000		97.9	40-160	4.10	20	
4,4-DDE	0.033	0.004	ug/L	0.04000		81.8	57-129	3.67	20	
Dieldrin	0.041	0.002	ug/L	0.04000		102	51-133	3.51	20	
Endrin	0.029	0.004	ug/L	0.04000		71.5	45-136	35.2	20	
Endosulfan II	0.038	0.004	ug/L	0.04000		94.1	17-130	10.3	20	
4,4-DDD	0.028	0.004	ug/L	0.04000		69.5	55-131	11.4	20	
4,4-DDT	0.025	0.004	ug/L	0.04000		62.0	40-179	5.92	20	
Endrin aldehyde	0.032	0.004	ug/L	0.04000		79.7	11-116	6.61	20	
Endosulfan sulfate	0.031	0.004	ug/L	0.04000		77.0	10-134	15.4	20	
Methoxychlor	0.032	0.004	ug/L	0.04000		78.8	32-162	22.4	20	
Endrin Ketone	0.026	0.004	ug/L	0.04000		65.1	51-135	5.89	20	
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0408</i>		<i>ug/L</i>	<i>0.03000</i>		<i>136</i>	<i>41-139</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0390</i>		<i>ug/L</i>	<i>0.03000</i>		<i>130</i>	<i>42-139</i>			

Calibration Check (B809020-CCV1)

Prepared: 09/09/08 Analyzed: 09/06/08

alpha-BHC	0.063		ug/L	0.08000		78.3	60-140			
gamma-BHC (Lindane)	0.062		ug/L	0.08000		78.0	60-140			
Heptachlor	0.068		ug/L	0.08000		84.4	60-140			
Aldrin	0.060		ug/L	0.08000		75.4	60-140			



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8081A - Quality Control

Batch B809020 - EPA 3510C

Calibration Check (B809020-CCV1) Contin

Prepared: 09/09/08 Analyzed: 09/06/08

beta-BHC	0.068		ug/L	0.08000		85.1	60-140			
delta-BHC	0.047		ug/L	0.08000		59.0	60-140			
Heptachlor epoxide	0.058		ug/L	0.08000		72.3	60-140			
Endosulfan I	0.062		ug/L	0.08000		77.6	60-140			
gamma-Chlordane	0.064		ug/L	0.08000		79.5	60-140			
alpha-Chlordane	0.069		ug/L	0.08000		86.4	60-140			
4,4-DDE	0.060		ug/L	0.08000		74.4	60-140			
Dieldrin	0.071		ug/L	0.08000		89.3	60-140			
Endrin	0.078		ug/L	0.08000		98.1	60-140			
Endosulfan II	0.071		ug/L	0.08000		88.3	60-140			
4,4-DDD	0.059		ug/L	0.08000		74.0	60-140			
4,4-DDT	0.052		ug/L	0.08000		64.9	60-140			
Endrin aldehyde	0.056		ug/L	0.08000		69.7	60-140			
Endosulfan sulfate	0.061		ug/L	0.08000		75.6	60-140			
Methoxychlor	0.063		ug/L	0.08000		79.2	60-140			
Endrin Ketone	0.052		ug/L	0.08000		65.3	60-140			

Surrogate: Decachlorobiphenyl 0.0530 ug/L 0.03000 177 60-140
Surrogate: Tetrachloro-m-xylene 0.0300 ug/L 0.03000 100 60-140

Batch B809021 - EPA 3545

Blank (B809021-BLK1)

Prepared: 09/09/08 Analyzed: 09/06/08

alpha-BHC	U	0.100	ug/kg							U
gamma-BHC (Lindane)	U	0.100	ug/kg							U
Heptachlor	U	0.100	ug/kg							U
Aldrin	U	0.100	ug/kg							U
beta-BHC	U	0.100	ug/kg							U
delta-BHC	U	0.100	ug/kg							U
Heptachlor epoxide	U	0.100	ug/kg							U
Endosulfan I	U	0.100	ug/kg							U
gamma-Chlordane	U	0.100	ug/kg							U
alpha-Chlordane	U	0.100	ug/kg							U
4,4-DDE	U	0.100	ug/kg							U
Dieldrin	U	0.100	ug/kg							U
Endrin	U	0.100	ug/kg							U
Endosulfan II	U	0.100	ug/kg							U
4,4-DDD	U	0.100	ug/kg							U
4,4-DDT	U	0.100	ug/kg							U
Endrin aldehyde	U	0.100	ug/kg							U



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LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8081A - Quality Control

Batch B809021 - EPA 3545

Blank (B809021-BLK1) Continued

Prepared: 09/09/08 Analyzed: 09/06/08

Endosulfan sulfate	U	0.100	ug/kg							U
Methoxychlor	U	0.100	ug/kg							U
Endrin Ketone	U	0.100	ug/kg							U
Total Chlordane	U	0.100	ug/kg							U
Toxaphene	U	0.100	ug/kg							U

Surrogate: Decachlorobiphenyl

1.07

ug/kg

1.500

71.4

56-153

Surrogate: Tetrachloro-m-xylene

1.02

ug/kg

1.500

68.1

46-153

LCS (B809021-BS1)

Prepared: 09/09/08 Analyzed: 09/06/08

alpha-BHC	1.77	0.100	ug/kg	2.000		88.7	59-123			
gamma-BHC (Lindane)	1.73	0.100	ug/kg	2.000		86.6	52-134			
Heptachlor	1.83	0.100	ug/kg	2.000		91.6	58-131			
Aldrin	1.79	0.100	ug/kg	2.000		89.6	56-120			
beta-BHC	1.92	0.100	ug/kg	2.000		96.0	43-113			
delta-BHC	1.35	0.100	ug/kg	2.000		67.3	32-141			
Heptachlor epoxide	1.69	0.100	ug/kg	2.000		84.4	49-131			
Endosulfan I	1.83	0.100	ug/kg	2.000		91.7	53-132			
gamma-Chlordane	1.85	0.100	ug/kg	2.000		92.3	51-133			
alpha-Chlordane	2.04	0.100	ug/kg	2.000		102	51-133			
4,4-DDE	1.70	0.100	ug/kg	2.000		84.9	57-129			
Dieldrin	2.11	0.100	ug/kg	2.000		105	51-133			
Endrin	2.04	0.100	ug/kg	2.000		102	45-136			
Endosulfan II	2.09	0.100	ug/kg	2.000		104	17-130			
4,4-DDD	1.56	0.100	ug/kg	2.000		77.9	55-131			
4,4-DDT	1.32	0.100	ug/kg	2.000		65.8	40-179			
Endrin aldehyde	1.70	0.100	ug/kg	2.000		85.2	11-116			
Endosulfan sulfate	1.80	0.100	ug/kg	2.000		89.9	10-134			
Methoxychlor	1.26	0.100	ug/kg	2.000		62.9	32-162			
Endrin Ketone	1.48	0.100	ug/kg	2.000		73.8	51-135			

Surrogate: Decachlorobiphenyl

2.04

ug/kg

1.500

136

56-153

Surrogate: Tetrachloro-m-xylene

2.02

ug/kg

1.500

135

46-153

LCS Dup (B809021-BSD1)

Prepared: 09/09/08 Analyzed: 09/06/08

alpha-BHC	1.65	0.100	ug/kg	2.000		82.7	59-123	7.07	25
gamma-BHC (Lindane)	1.84	0.100	ug/kg	2.000		92.2	52-134	6.21	25
Heptachlor	1.72	0.100	ug/kg	2.000		85.8	58-131	6.51	25
Aldrin	1.76	0.100	ug/kg	2.000		88.2	56-120	1.60	25
beta-BHC	1.71	0.100	ug/kg	2.000		85.3	43-113	11.8	25



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REPORTED: 9/16/2008 3:43:01PM

PROJECT #: 38617-185

PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8081A - Quality Control

Batch B809021 - EPA 3545

LCS Dup (B809021-BSD1) Continued

Prepared: 09/09/08 Analyzed: 09/06/08

delta-BHC	1.15	0.100	ug/kg	2.000		57.6	32-141	15.5	25	
Heptachlor epoxide	1.60	0.100	ug/kg	2.000		80.2	49-131	5.08	25	
Endosulfan I	1.77	0.100	ug/kg	2.000		88.6	53-132	3.40	25	
gamma-Chlordane	1.76	0.100	ug/kg	2.000		88.2	51-133	4.53	25	
alpha-Chlordane	1.96	0.100	ug/kg	2.000		97.9	51-133	4.10	25	
4,4-DDE	1.64	0.100	ug/kg	2.000		81.8	57-129	3.67	25	
Dieldrin	2.03	0.100	ug/kg	2.000		102	51-133	3.51	25	
Endrin	1.43	0.100	ug/kg	2.000		71.5	45-136	35.2	25	
Endosulfan II	1.88	0.100	ug/kg	2.000		94.1	17-130	10.3	25	
4,4-DDD	1.39	0.100	ug/kg	2.000		69.5	55-131	11.4	25	
4,4-DDT	1.24	0.100	ug/kg	2.000		62.0	40-179	5.92	25	
Endrin aldehyde	1.59	0.100	ug/kg	2.000		79.7	11-116	6.61	25	
Endosulfan sulfate	1.54	0.100	ug/kg	2.000		77.0	10-134	15.4	25	
Methoxychlor	1.58	0.100	ug/kg	2.000		78.8	32-162	22.4	25	
Endrin Ketone	1.31	0.100	ug/kg	2.000		65.5	51-135	12.0	25	
<i>Surrogate: Decachlorobiphenyl</i>	<i>2.04</i>		<i>ug/kg</i>	<i>1.500</i>		<i>136</i>	<i>56-153</i>			
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>1.95</i>		<i>ug/kg</i>	<i>1.500</i>		<i>130</i>	<i>46-153</i>			

Calibration Check (B809021-CCV1)

Prepared: 09/09/08 Analyzed: 09/06/08

alpha-BHC	3.13		ug/kg	4.000		78.3	60-140			
gamma-BHC (Lindane)	3.12		ug/kg	4.000		78.0	60-140			
Heptachlor	3.38		ug/kg	4.000		84.4	60-140			
Aldrin	3.01		ug/kg	4.000		75.4	60-140			
beta-BHC	3.40		ug/kg	4.000		85.1	60-140			
delta-BHC	2.36		ug/kg	4.000		59.0	60-140			
Heptachlor epoxide	2.88		ug/kg	4.000		72.0	60-140			
Endosulfan I	3.10		ug/kg	4.000		77.6	60-140			
gamma-Chlordane	3.18		ug/kg	4.000		79.5	60-140			
alpha-Chlordane	3.45		ug/kg	4.000		86.4	60-140			
4,4-DDE	2.98		ug/kg	4.000		74.4	60-140			
Dieldrin	3.57		ug/kg	4.000		89.3	60-140			
Endrin	3.92		ug/kg	4.000		98.1	60-140			
Endosulfan II	3.53		ug/kg	4.000		88.3	60-140			
4,4-DDD	2.96		ug/kg	4.000		74.0	60-140			
4,4-DDT	2.59		ug/kg	4.000		64.9	60-140			
Endrin aldehyde	2.79		ug/kg	4.000		69.7	60-140			
Endosulfan sulfate	3.03		ug/kg	4.000		75.6	60-140			
Methoxychlor	3.17		ug/kg	4.000		79.2	60-140			



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8081A - Quality Control

Batch B809021 - EPA 3545

Calibration Check (B809021-CCV1) Contin

Prepared: 09/09/08 Analyzed: 09/06/08

Endrin Ketone	2.61		ug/kg	4.000		65.3	60-140			
<i>Surrogate: Decachlorobiphenyl</i>	2.65		ug/kg	1.500		177	56-153			
<i>Surrogate: Tetrachloro-m-xylene</i>	1.50		ug/kg	1.500		100	46-153			

FLPRO - Quality Control

Batch B809010 - EPA 3545

Blank (B809010-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	U	1.00	mg/kg							U
<i>Surrogate: o-Terphenyl</i>	1.71		mg/kg	2.500		68.6	37-142			

LCS (B809010-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	28.4	1.00	mg/kg	25.00		113	0-200			
<i>Surrogate: o-Terphenyl</i>	2.00		mg/kg	2.500		80.2	37-142			

Matrix Spike (B809010-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	13.2	1.00	mg/kg	12.50		106	0-200			
<i>Surrogate: o-Terphenyl</i>	1.86		mg/kg	2.500		74.2	37-142			

Matrix Spike Dup (B809010-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total	12.2	1.00	mg/kg	12.50		97.2	0-200		200	
<i>Surrogate: o-Terphenyl</i>	1.79		mg/kg	2.500		71.7	37-142			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1)

Prepared: 09/01/08 Analyzed: 09/02/08

Arsenic	U	0.005	mg/L							U
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LCS (B809001-BS1)

Prepared: 09/01/08 Analyzed: 09/02/08

Arsenic	0.097	0.005	mg/L	0.1000		96.6	85-115			
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Duplicate (B809001-DUP1)

Source: 0004950-02

Prepared: 09/01/08 Analyzed: 09/03/08

Arsenic	U	0.005	mg/L		U			20		U
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Matrix Spike (B809001-MS1)

Source: 0004950-02

Prepared: 09/01/08 Analyzed: 09/03/08

Arsenic	0.018	0.005	mg/L	0.02000	U	90.0	75-125			
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Matrix Spike Dup (B809001-MSD1)

Source: 0004950-02

Prepared: 09/01/08 Analyzed: 09/03/08

Arsenic	0.016	0.005	mg/L	0.02000	U	82.5	75-125	8.70	25	
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Batch B809008 - NO PREP

Blank (B809008-BLK1)

Prepared & Analyzed: 09/03/08

Arsenic	U	0.20	mg/kg wet							U
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Laboratories Inc.

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URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004950
COC#: 7902
REPORTED: 9/16/2008 3:43:01PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809008 - NO PREP

LCS (B809008-BS1)

Prepared & Analyzed: 09/03/08

Arsenic	0.098	0.20	mg/kg wet	0.1000		97.9	70-130			I
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Duplicate (B809008-DUP1)

Source: 0004948-01 Prepared & Analyzed: 09/03/08

Arsenic	U	0.23	mg/kg dry					20		U
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Matrix Spike (B809008-MS1)

Source: 0004948-01 Prepared & Analyzed: 09/03/08

Arsenic	0.581	0.23	mg/kg dry	0.6977		83.3	70-130			
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Matrix Spike Dup (B809008-MSD1)

Source: 0004948-01 Prepared & Analyzed: 09/03/08

Arsenic	0.488	0.23	mg/kg dry	0.6977		70.0	70-130	17.4	25	
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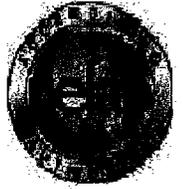
Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental
Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #: 0004951

September 08, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
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ATTN: Ed Leding
PHONE: (561) 994-6500 FAX: (561) 994-6524

LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: OAS-SB1(0-2) Lab ID: 0004951-01 Sampled: 08/28/08 11:25
Matrix: Soil Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: OAS-SB1(0-2)	Lab ID: 0004951-01	Sampled: 08/28/08 11:25
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
% Recovery Q % Recovery Limits											
1868-53-7	Surrogate: Dibromofluoromethane	109 %									Limit 62-136
2037-26-5	Surrogate: Toluene-d8	71.2 %									Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	81.0 %									Limit 70-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
NA	FLPRO Total	6.40		mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
% Recovery Q % Recovery Limits											
84-15-1	Surrogate: o-Terphenyl	94.4 %									Limit 37-142

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
7439-92-1	Lead	0.008	U	mg/kg dry	EPA 6020B	1	0.008	0.227	09/03/08	09/03/08	MH

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



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7800 Congress Ave Suite 200
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PHONE: (561) 994-6500 FAX: (561) 994-6524

LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-9 Lab ID: 0004951-02 Sampled: 08/28/08 12:50
Matrix: Soil Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-9 **Lab ID:** 0004951-02 **Sampled:** 08/28/08 12:50
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromofom	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
		% Recovery	Q	% Recovery Limits							
1868-53-7	Surrogate: Dibromofluoromethane	109 %		Limit 62-136							
2037-26-5	Surrogate: Toluene-d8	70.2 %		Limit 66-144							
460-00-4	Surrogate: 4-Bromofluorobenzene	76.9 %		Limit 70-131							

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
NA	FLPRO Total	4.62		mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery	Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	82.9 %		Limit 37-142							

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
7439-92-1	Lead	0.008	U	mg/kg dry	EPA 6020B	1	0.008	0.227	09/03/08	09/03/08	MH

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
NA	% Solids	88.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



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LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: OAS-WP1 Lab ID: 0004951-03 Sampled: 08/28/08 12:00
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.5	U	ug/L	EPA 8260B	1	0.5	0.5	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	0.4	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



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LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: OAS-WP1 Lab ID: 0004951-03 Sampled: 08/28/08 12:00
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
108-38-3/10 6-42-3	m,p-Xylene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
95-47-6	o-Xylene	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS	
75-25-2	Bromoform	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS	
541-73-1	1,3-Dichlorobenzene	0.3	U	ug/L	EPA 8260B	1	0.3	1.0	08/30/08	09/03/08	PLS	
106-46-7	1,4-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS	
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS	
95-50-1	1,2-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS	
96-18-4	1,2,3-Trichloropropane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS	
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS	
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS	

% Recovery Q % Recovery Limits

1868-53-7	Surrogate: Dibromofluoromethane	107 %	Limit 62-136
2037-26-5	Surrogate: Toluene-d8	69.0 %	Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	76.6 %	Limit 70-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	09/03/08	09/04/08	MH	

% Recovery Q % Recovery Limits

84-15-1	Surrogate: o-Terphenyl	59.2 %	Limit 37-142
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Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH	



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LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: Dup-10 **Lab ID:** 0004951-05 **Sampled:** 08/28/08 13:00
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.5	U	ug/L	EPA 8260B	1	0.5	0.5	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	0.4	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: Dup-10 Lab ID: 0004951-05 Sampled: 08/28/08 13:00
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
108-38-3/10 6-42-3	m,p-Xylene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
95-47-6	o-Xylene	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS	
75-25-2	Bromoform	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS	
541-73-1	1,3-Dichlorobenzene	0.3	U	ug/L	EPA 8260B	1	0.3	1.0	08/30/08	09/03/08	PLS	
106-46-7	1,4-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS	
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS	
95-50-1	1,2-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS	
96-18-4	1,2,3-Trichloropropane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS	
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS	
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS	
		% Recovery	Q	% Recovery Limits								
1868-53-7	Surrogate: Dibromofluoromethane	108 %		Limit 62-136								
2037-26-5	Surrogate: Toluene-d8	70.1 %		Limit 66-144								
460-00-4	Surrogate: 4-Bromofluorobenzene	75.2 %		Limit 70-131								

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	09/03/08	09/04/08	MH	
		% Recovery	Q	% Recovery Limits								
84-15-1	Surrogate: o-Terphenyl	64.4 %		Limit 37-142								

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH	



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

URS Corporation
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ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Prepared: 08/30/08 Analyzed: 09/04/08

Blank (B809018-BLK1)

1,2-Dibromomethane (EDB)	U	0.001	mg/kg							U
1,2-Dichloroethane	U	0.001	mg/kg							U
1,2-Dichloropropane	U	0.001	mg/kg							U
Dichlorodifluoromethane	U	0.001	mg/kg							U
Chloromethane	U	0.001	mg/kg							U
Vinyl Chloride	U	0.001	mg/kg							U
Bromomethane	U	0.001	mg/kg							U
Chloroethane	U	0.001	mg/kg							U
Trichlorofluoromethane	U	0.001	mg/kg							U
1,1-Dichloroethene	U	0.001	mg/kg							U
Methylene Chloride	U	0.001	mg/kg							U
MTBE	U	0.001	mg/kg							U
trans-1,2-Dichloroethene	U	0.001	mg/kg							U
1,1-Dichloroethane	U	0.001	mg/kg							U
2,2-Dichloropropane	U	0.001	mg/kg							U
cis-1,2-Dichloroethene	U	0.001	mg/kg							U
Chloroform	U	0.001	mg/kg							U
Bromochloromethane	U	0.001	mg/kg							U
1,1,1-Trichloroethane	U	0.001	mg/kg							U
1,1-Dichloropropene	U	0.001	mg/kg							U
Carbon Tetrachloride	U	0.001	mg/kg							U
Benzene	U	0.001	mg/kg							U
Trichloroethene	U	0.001	mg/kg							U
Dibromomethane	U	0.001	mg/kg							U
Bromodichloromethane	U	0.001	mg/kg							U
cis-1,3-Dichloropropene	U	0.001	mg/kg							U
Toluene	U	0.001	mg/kg							U
trans-1,3-Dichloropropene	U	0.001	mg/kg							U
1,1,2-Trichloroethane	U	0.001	mg/kg							U
1,3-Dichloropropane	U	0.001	mg/kg							U
Tetrachloroethene	U	0.001	mg/kg							U
Dibromochloromethane	U	0.001	mg/kg							U
Chlorobenzene	U	0.001	mg/kg							U
1,1,1,2-Tetrachloroethane	U	0.001	mg/kg							U
Ethylbenzene	U	0.001	mg/kg							U
m,p-Xylene	U	0.001	mg/kg							U
o-Xylene	U	0.001	mg/kg							U



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PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

Bromoform	U	0.001	mg/kg							U
1,3-Dichlorobenzene	U	0.001	mg/kg							U
1,4-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dibromo-3-Chloropropane	U	0.001	mg/kg							U

Surrogate: Dibromofluoromethane 0.0261 mg/kg 0.02500 104 62-136

Surrogate: Toluene-d8 0.0172 mg/kg 0.02500 68.9 66-144

Surrogate: 4-Bromofluorobenzene 0.0194 mg/kg 0.02500 77.8 70-131

LCS (B809018-BS1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.015	0.001	mg/kg	0.02000	74.8	60-135				
Trichloroethene	0.020	0.001	mg/kg	0.02000	98.6	60-135				
Toluene	0.020	0.001	mg/kg	0.02000	99.6	60-135				
Chlorobenzene	0.020	0.001	mg/kg	0.02000	97.8	60-135				

Surrogate: Dibromofluoromethane 0.0261 mg/kg 0.02500 104 62-136

Surrogate: Toluene-d8 0.0174 mg/kg 0.02500 69.5 66-144

Surrogate: 4-Bromofluorobenzene 0.0192 mg/kg 0.02500 76.6 70-131

LCS Dup (B809018-BSD1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.016	0.001	mg/kg	0.02000	81.8	60-135	9.01	20		
Trichloroethene	0.021	0.001	mg/kg	0.02000	105	60-135	6.57	20		
Toluene	0.022	0.001	mg/kg	0.02000	108	60-135	8.13	20		
Chlorobenzene	0.021	0.001	mg/kg	0.02000	107	60-135	8.98	20		

Surrogate: Dibromofluoromethane 0.0260 mg/kg 0.02500 104 62-136

Surrogate: Toluene-d8 0.0174 mg/kg 0.02500 69.5 66-144

Surrogate: 4-Bromofluorobenzene 0.0195 mg/kg 0.02500 77.8 70-131

Calibration Check (B809018-CCV1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.031		mg/kg	0.04000	77.0	60-135				
Trichloroethene	0.039		mg/kg	0.04000	97.5	60-135				
Toluene	0.040		mg/kg	0.04000	99.5	60-135				
Chlorobenzene	0.041		mg/kg	0.04000	101	60-135				

Surrogate: Dibromofluoromethane 0.0264 mg/kg 0.02500 106 62-136

Surrogate: Toluene-d8 0.0174 mg/kg 0.02500 69.6 66-144

Surrogate: 4-Bromofluorobenzene 0.0193 mg/kg 0.02500 77.1 70-131

EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1)

Prepared: 08/30/08 Analyzed: 09/03/08



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LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

1,2-Dibromomethane (EDB)	U	0.02	ug/L							U
1,2-Dichloroethane	U	1.0	ug/L							U
1,2-Dichloropropane	U	1.0	ug/L							U
Dichlorodifluoromethane	U	1.0	ug/L							U
Chloromethane	U	1.0	ug/L							U
Vinyl Chloride	U	1.0	ug/L							U
Bromomethane	U	1.0	ug/L							U
Chloroethane	U	1.0	ug/L							U
Trichlorofluoromethane	U	1.0	ug/L							U
1,1-Dichloroethene	U	1.0	ug/L							U
Methylene Chloride	U	1.0	ug/L							U
MTBE	U	1.0	ug/L							U
trans-1,2-Dichloroethene	U	1.0	ug/L							U
1,1-Dichloroethane	U	1.0	ug/L							U
2,2-Dichloropropane	U	1.0	ug/L							U
cis-1,2-Dichloroethene	U	1.0	ug/L							U
Chloroform	U	1.0	ug/L							U
Bromochloromethane	U	1.0	ug/L							U
1,1,1-Trichloroethane	U	1.0	ug/L							U
1,1-Dichloropropene	U	1.0	ug/L							U
Carbon Tetrachloride	U	1.0	ug/L							U
Benzene	U	1.0	ug/L							U
Trichloroethene	U	1.0	ug/L							U
Dibromomethane	U	0.002	ug/L							U
Bromodichloromethane	U	0.5	ug/L							U
cis-1,3-Dichloropropene	U	1.0	ug/L							U
Toluene	U	1.0	ug/L							U
trans-1,3-Dichloropropene	U	1.0	ug/L							U
1,1,2-Trichloroethane	U	1.0	ug/L							U
1,3-Dichloropropane	U	1.0	ug/L							U
Tetrachloroethene	U	0.2	ug/L							U
Dibromochloromethane	U	0.4	ug/L							U
Chlorobenzene	U	1.0	ug/L							U
1,1,1,2-Tetrachloroethane	U	0.2	ug/L							U
Ethylbenzene	U	1.0	ug/L							U
m,p-Xylene	U	1.0	ug/L							U
o-Xylene	U	1.0	ug/L							U



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PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

Bromoform	U	1.0	ug/L							U
1,3-Dichlorobenzene	U	1.0	ug/L							U
1,4-Dichlorobenzene	U	1.0	ug/L							U
1,1,2,2-Tetrachloroethane	U	1.0	ug/L							U
1,2-Dichlorobenzene	U	1.0	ug/L							U
1,2,3-Trichloropropane	U	0.2	ug/L							U
1,2-Dibromo-3-Chloropropane	U	0.002	ug/L							U
Bromobenzene	U	1.0	ug/L							U
2-Chloroethyl Vinyl Ether	U	1.0	ug/L							U

<i>Surrogate: Dibromofluoromethane</i>	26.8		ug/L	25.00		107	62-136			
<i>Surrogate: Toluene-d8</i>	17.3		ug/L	25.00		69.2	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	19.3		ug/L	25.00		77.2	70-131			

LCS (B809017-BS1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.2	1.0	ug/L	25.00		72.8	60-135			
Trichloroethene	23.3	1.0	ug/L	25.00		93.1	60-135			
Toluene	23.3	1.0	ug/L	25.00		93.2	60-135			
Chlorobenzene	23.7	1.0	ug/L	25.00		94.7	60-135			

<i>Surrogate: Dibromofluoromethane</i>	26.6		ug/L	25.00		106	62-136			
<i>Surrogate: Toluene-d8</i>	17.3		ug/L	25.00		69.1	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.7		ug/L	25.00		74.6	70-131			

LCS Dup (B809017-BSD1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.6	1.0	ug/L	25.00		74.4	60-135	2.18	20	
Trichloroethene	23.9	1.0	ug/L	25.00		95.6	60-135	2.67	20	
Toluene	24.3	1.0	ug/L	25.00		97.1	60-135	4.16	20	
Chlorobenzene	24.6	1.0	ug/L	25.00		98.4	60-135	3.81	20	

<i>Surrogate: Dibromofluoromethane</i>	26.4		ug/L	25.00		106	62-136			
<i>Surrogate: Toluene-d8</i>	17.6		ug/L	25.00		70.2	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.9		ug/L	25.00		75.8	70-131			

Calibration Check (B809017-CCV1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	33.6		ug/L	40.00		84.1	60-135			
Trichloroethene	38.8		ug/L	40.00		97.1	60-135			
Toluene	39.0		ug/L	40.00		97.5	60-135			
Chlorobenzene	41.4		ug/L	40.00		103	60-135			

<i>Surrogate: Dibromofluoromethane</i>	26.7		ug/L	25.00		107	62-136			
<i>Surrogate: Toluene-d8</i>	17.6		ug/L	25.00		70.4	66-144			



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LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Calibration Check (B809017-CCV1) Contin

Prepared: 08/30/08 Analyzed: 09/03/08

Surrogate: 4-Bromofluorobenzene 18.8 ug/L 25.00 75.3 70-131

FLPRO - Quality Control

Batch B809010 - EPA 3545

Blank (B809010-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total U 1.00 mg/kg U

Surrogate: o-Terphenyl 1.71 mg/kg 2.500 68.6 37-142

LCS (B809010-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 28.4 1.00 mg/kg 25.00 113 0-200

Surrogate: o-Terphenyl 2.00 mg/kg 2.500 80.2 37-142

Matrix Spike (B809010-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 13.2 1.00 mg/kg 12.50 106 0-200

Surrogate: o-Terphenyl 1.86 mg/kg 2.500 74.2 37-142

Matrix Spike Dup (B809010-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 12.2 1.00 mg/kg 12.50 97.2 0-200 200

Surrogate: o-Terphenyl 1.79 mg/kg 2.500 71.7 37-142

Batch B809011 - EPA 3510C

Blank (B809011-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total U 0.500 mg/L U

Surrogate: o-Terphenyl 0.0287 mg/L 0.05000 57.5 37-142

LCS (B809011-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.539 0.500 mg/L 0.5000 108 60-120

Surrogate: o-Terphenyl 0.0406 mg/L 0.05000 81.3 37-142

Matrix Spike (B809011-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.284 0.500 mg/L 0.2500 114 40-155 I

Surrogate: o-Terphenyl 0.0347 mg/L 0.05000 69.4 37-142

Matrix Spike Dup (B809011-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.253 0.500 mg/L 0.2500 101 40-155 30 I

Surrogate: o-Terphenyl 0.0309 mg/L 0.05000 61.9 37-142

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1)

Prepared: 09/01/08 Analyzed: 09/03/08



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LOG #: 0004951
COC#: 7903
REPORTED: 9/8/2008 9:54:33AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1) Continued			Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	U	0.005	mg/L							U
LCS (B809001-BS1)			Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	0.093	0.005	mg/L	0.1000		92.7	80-120			
Duplicate (B809001-DUP1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	U	0.005	mg/L					20		U
Matrix Spike (B809001-MS1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	0.018	0.005	mg/L	0.02000		92.5	70-130			
Matrix Spike Dup (B809001-MSD1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	0.019	0.005	mg/L	0.02000		95.5	70-130	3.19	25	

Batch B809008 - NO PREP

Blank (B809008-BLK1)			Prepared & Analyzed: 09/03/08							
Lead	U	0.200	mg/kg wet							U
LCS (B809008-BS1)			Prepared & Analyzed: 09/03/08							
Lead	0.085	0.200	mg/kg wet	0.1000		84.6	80-120			I
Duplicate (B809008-DUP1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Lead	U	0.233	mg/kg dry		U			20		U
Matrix Spike (B809008-MS1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Lead	0.524	0.233	mg/kg dry	0.6977	U	75.2	70-130			
Matrix Spike Dup (B809008-MSD1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Lead	0.519	0.233	mg/kg dry	0.6977	U	74.3	70-130	1.11	25	



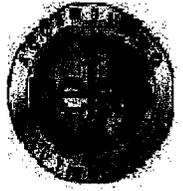
Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental
Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #: 0004952

September 08, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only.

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



CERTIFICATE OF ANALYSIS

URS Corporation
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PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: TW-SB1(0-2) **Lab ID:** 0004952-01 **Sampled:** 08/28/08 10:30
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: TW-SB1(0-2) **Lab ID:** 0004952-01 **Sampled:** 08/28/08 10:30
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
% Recovery Q % Recovery Limits											
1868-53-7	Surrogate: Dibromofluoromethane	107 %									Limit 62-136
2037-26-5	Surrogate: Toluene-d8	71.4 %									Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	74.0 %									Limit 70-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
NA	FLPRO Total	0.170	U	mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
% Recovery Q % Recovery Limits											
84-15-1	Surrogate: o-Terphenyl	93.6 %									Limit 37-142

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
7439-92-1	Lead	0.007	U	mg/kg dry	EPA 6020B	1	0.007	0.225	09/03/08	09/03/08	MH

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analyst
									Date	Date	
NA	% Solids	89.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



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LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: TW-WP1 **Lab ID:** 0004952-02 **Sampled:** 08/28/08 11:10
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
75-35-4	1,1-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.5	U	ug/L	EPA 8260B	1	0.5	0.5	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	0.4	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: TW-WP1 **Lab ID:** 0004952-02 **Sampled:** 08/28/08 11:10
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
108-38-3/10 6-42-3	m,p-Xylene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
95-47-6	o-Xylene	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS	
75-25-2	Bromoform	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS	
541-73-1	1,3-Dichlorobenzene	0.3	U	ug/L	EPA 8260B	1	0.3	1.0	08/30/08	09/03/08	PLS	
106-46-7	1,4-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS	
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS	
95-50-1	1,2-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS	
96-18-4	1,2,3-Trichloropropane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS	
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS	
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS	
		% Recovery	Q	% Recovery Limits								
1868-53-7	Surrogate: Dibromofluoromethane	107 %		Limit 62-136								
2037-26-5	Surrogate: Toluene-d8	71.8 %		Limit 66-144								
460-00-4	Surrogate: 4-Bromofluorobenzene	74.3 %		Limit 70-131								

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
NA	FLPRO Total	1.07		mg/L	EPA 3510C/RO	1	0.040	0.500	09/03/08	09/04/08	MH	
		% Recovery	Q	% Recovery Limits								
84-15-1	Surrogate: o-Terphenyl	94.3 %		Limit 37-142								

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Analyst	
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH	



Palm Beach Environmental
Laboratories Inc.

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LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Prepared: 08/30/08 Analyzed: 09/04/08

Blank (B809018-BLK1)

1,2-Dibromomethane (EDB)	U	0.001	mg/kg							U
1,2-Dichloroethane	U	0.001	mg/kg							U
1,2-Dichloropropane	U	0.001	mg/kg							U
Dichlorodifluoromethane	U	0.001	mg/kg							U
Chloromethane	U	0.001	mg/kg							U
Vinyl Chloride	U	0.001	mg/kg							U
Bromomethane	U	0.001	mg/kg							U
Chloroethane	U	0.001	mg/kg							U
Trichlorofluoromethane	U	0.001	mg/kg							U
1,1-Dichloroethene	U	0.001	mg/kg							U
Methylene Chloride	U	0.001	mg/kg							U
MTBE	U	0.001	mg/kg							U
trans-1,2-Dichloroethene	U	0.001	mg/kg							U
1,1-Dichloroethane	U	0.001	mg/kg							U
2,2-Dichloropropane	U	0.001	mg/kg							U
cis-1,2-Dichloroethene	U	0.001	mg/kg							U
Chloroform	U	0.001	mg/kg							U
Bromochloromethane	U	0.001	mg/kg							U
1,1,1-Trichloroethane	U	0.001	mg/kg							U
1,1-Dichloropropene	U	0.001	mg/kg							U
Carbon Tetrachloride	U	0.001	mg/kg							U
Benzene	U	0.001	mg/kg							U
Trichloroethene	U	0.001	mg/kg							U
Dibromomethane	U	0.001	mg/kg							U
Bromodichloromethane	U	0.001	mg/kg							U
cis-1,3-Dichloropropene	U	0.001	mg/kg							U
Toluene	U	0.001	mg/kg							U
trans-1,3-Dichloropropene	U	0.001	mg/kg							U
1,1,2-Trichloroethane	U	0.001	mg/kg							U
1,3-Dichloropropane	U	0.001	mg/kg							U
Tetrachloroethene	U	0.001	mg/kg							U
Dibromochloromethane	U	0.001	mg/kg							U
Chlorobenzene	U	0.001	mg/kg							U
1,1,1,2-Tetrachloroethane	U	0.001	mg/kg							U
Ethylbenzene	U	0.001	mg/kg							U
m,p-Xylene	U	0.001	mg/kg							U
o-Xylene	U	0.001	mg/kg							U



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LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

Bromoform	U	0.001	mg/kg							U
1,3-Dichlorobenzene	U	0.001	mg/kg							U
1,4-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dibromo-3-Chloropropane	U	0.001	mg/kg							U
<i>Surrogate: Dibromofluoromethane</i>	0.0261		mg/kg	0.02500		104	62-136			
<i>Surrogate: Toluene-d8</i>	0.0172		mg/kg	0.02500		68.9	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0194		mg/kg	0.02500		77.8	70-131			

LCS (B809018-BS1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.015	0.001	mg/kg	0.02000		74.8	60-135			
Trichloroethene	0.020	0.001	mg/kg	0.02000		98.6	60-135			
Toluene	0.020	0.001	mg/kg	0.02000		99.6	60-135			
Chlorobenzene	0.020	0.001	mg/kg	0.02000		97.8	60-135			
<i>Surrogate: Dibromofluoromethane</i>	0.0261		mg/kg	0.02500		104	62-136			
<i>Surrogate: Toluene-d8</i>	0.0174		mg/kg	0.02500		69.5	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0192		mg/kg	0.02500		76.6	70-131			

LCS Dup (B809018-BSD1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.016	0.001	mg/kg	0.02000		81.8	60-135	9.01	20	
Trichloroethene	0.021	0.001	mg/kg	0.02000		105	60-135	6.57	20	
Toluene	0.022	0.001	mg/kg	0.02000		108	60-135	8.13	20	
Chlorobenzene	0.021	0.001	mg/kg	0.02000		107	60-135	8.98	20	
<i>Surrogate: Dibromofluoromethane</i>	0.0260		mg/kg	0.02500		104	62-136			
<i>Surrogate: Toluene-d8</i>	0.0174		mg/kg	0.02500		69.5	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0195		mg/kg	0.02500		77.8	70-131			

Calibration Check (B809018-CCV1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.031		mg/kg	0.04000		77.0	60-135			
Trichloroethene	0.039		mg/kg	0.04000		97.5	60-135			
Toluene	0.040		mg/kg	0.04000		99.5	60-135			
Chlorobenzene	0.041		mg/kg	0.04000		101	60-135			
<i>Surrogate: Dibromofluoromethane</i>	0.0264		mg/kg	0.02500		106	62-136			
<i>Surrogate: Toluene-d8</i>	0.0174		mg/kg	0.02500		69.6	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0193		mg/kg	0.02500		77.1	70-131			

EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1)

Prepared: 08/30/08 Analyzed: 09/03/08



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

1,2-Dibromomethane (EDB)	U	0.02	ug/L							U
1,2-Dichloroethane	U	1.0	ug/L							U
1,2-Dichloropropane	U	1.0	ug/L							U
Dichlorodifluoromethane	U	1.0	ug/L							U
Chloromethane	U	1.0	ug/L							U
Vinyl Chloride	U	1.0	ug/L							U
Bromomethane	U	1.0	ug/L							U
Chloroethane	U	1.0	ug/L							U
Trichlorofluoromethane	U	1.0	ug/L							U
1,1-Dichloroethene	U	1.0	ug/L							U
Methylene Chloride	U	1.0	ug/L							U
MTBE	U	1.0	ug/L							U
trans-1,2-Dichloroethene	U	1.0	ug/L							U
1,1-Dichloroethane	U	1.0	ug/L							U
2,2-Dichloropropane	U	1.0	ug/L							U
cis-1,2-Dichloroethene	U	1.0	ug/L							U
Chloroform	U	1.0	ug/L							U
Bromochloromethane	U	1.0	ug/L							U
1,1,1-Trichloroethane	U	1.0	ug/L							U
1,1-Dichloropropene	U	1.0	ug/L							U
Carbon Tetrachloride	U	1.0	ug/L							U
Benzene	U	1.0	ug/L							U
Trichloroethene	U	1.0	ug/L							U
Dibromomethane	U	0.002	ug/L							U
Bromodichloromethane	U	0.5	ug/L							U
cis-1,3-Dichloropropene	U	1.0	ug/L							U
Toluene	U	1.0	ug/L							U
trans-1,3-Dichloropropene	U	1.0	ug/L							U
1,1,2-Trichloroethane	U	1.0	ug/L							U
1,3-Dichloropropane	U	1.0	ug/L							U
Tetrachloroethene	U	0.2	ug/L							U
Dibromochloromethane	U	0.4	ug/L							U
Chlorobenzene	U	1.0	ug/L							U
1,1,1,2-Tetrachloroethane	U	0.2	ug/L							U
Ethylbenzene	U	1.0	ug/L							U
m,p-Xylene	U	1.0	ug/L							U
o-Xylene	U	1.0	ug/L							U



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LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

Bromoform	U	1.0	ug/L							U
1,3-Dichlorobenzene	U	1.0	ug/L							U
1,4-Dichlorobenzene	U	1.0	ug/L							U
1,1,2,2-Tetrachloroethane	U	1.0	ug/L							U
1,2-Dichlorobenzene	U	1.0	ug/L							U
1,2,3-Trichloropropane	U	0.2	ug/L							U
1,2-Dibromo-3-Chloropropane	U	0.002	ug/L							U
Bromobenzene	U	1.0	ug/L							U
2-Chloroethyl Vinyl Ether	U	1.0	ug/L							U

Surrogate: Dibromofluoromethane 26.8 ug/L 25.00 107 62-136

Surrogate: Toluene-d8 17.3 ug/L 25.00 69.2 66-144

Surrogate: 4-Bromofluorobenzene 19.3 ug/L 25.00 77.2 70-131

LCS (B809017-BS1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.2	1.0	ug/L	25.00	72.8	60-135		
Trichloroethene	23.3	1.0	ug/L	25.00	93.1	60-135		
Toluene	23.3	1.0	ug/L	25.00	93.2	60-135		
Chlorobenzene	23.7	1.0	ug/L	25.00	94.7	60-135		

Surrogate: Dibromofluoromethane 26.6 ug/L 25.00 106 62-136

Surrogate: Toluene-d8 17.3 ug/L 25.00 69.1 66-144

Surrogate: 4-Bromofluorobenzene 18.7 ug/L 25.00 74.6 70-131

LCS Dup (B809017-BSD1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.6	1.0	ug/L	25.00	74.4	60-135	2.18	20
Trichloroethene	23.9	1.0	ug/L	25.00	95.6	60-135	2.67	20
Toluene	24.3	1.0	ug/L	25.00	97.1	60-135	4.16	20
Chlorobenzene	24.6	1.0	ug/L	25.00	98.4	60-135	3.81	20

Surrogate: Dibromofluoromethane 26.4 ug/L 25.00 106 62-136

Surrogate: Toluene-d8 17.6 ug/L 25.00 70.2 66-144

Surrogate: 4-Bromofluorobenzene 18.9 ug/L 25.00 75.8 70-131

Calibration Check (B809017-CCV1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	33.6		ug/L	40.00	84.1	60-135		
Trichloroethene	38.8		ug/L	40.00	97.1	60-135		
Toluene	39.0		ug/L	40.00	97.5	60-135		
Chlorobenzene	41.4		ug/L	40.00	103	60-135		

Surrogate: Dibromofluoromethane 26.7 ug/L 25.00 107 62-136

Surrogate: Toluene-d8 17.6 ug/L 25.00 70.4 66-144



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LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Calibration Check (B809017-CCV1) Contin

Prepared: 08/30/08 Analyzed: 09/03/08

Surrogate: 4-Bromofluorobenzene 18.8 ug/L 25.00 75.3 70-131

FLPRO - Quality Control

Batch B809010 - EPA 3545

Blank (B809010-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total U 1.00 mg/kg U

Surrogate: o-Terphenyl 1.71 mg/kg 2.500 68.6 37-142

LCS (B809010-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 28.4 1.00 mg/kg 25.00 113 0-200

Surrogate: o-Terphenyl 2.00 mg/kg 2.500 80.2 37-142

Matrix Spike (B809010-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 13.2 1.00 mg/kg 12.50 106 0-200

Surrogate: o-Terphenyl 1.86 mg/kg 2.500 74.2 37-142

Matrix Spike Dup (B809010-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 12.2 1.00 mg/kg 12.50 97.2 0-200 200

Surrogate: o-Terphenyl 1.79 mg/kg 2.500 71.7 37-142

Batch B809011 - EPA 3510C

Blank (B809011-BLK1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total U 0.500 mg/L U

Surrogate: o-Terphenyl 0.0287 mg/L 0.05000 57.5 37-142

LCS (B809011-BS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.539 0.500 mg/L 0.5000 108 60-120

Surrogate: o-Terphenyl 0.0406 mg/L 0.05000 81.3 37-142

Matrix Spike (B809011-MS1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.284 0.500 mg/L 0.2500 114 40-155 I

Surrogate: o-Terphenyl 0.0347 mg/L 0.05000 69.4 37-142

Matrix Spike Dup (B809011-MSD1)

Prepared: 09/03/08 Analyzed: 09/04/08

FLPRO Total 0.253 0.500 mg/L 0.2500 101 40-155 30 I

Surrogate: o-Terphenyl 0.0309 mg/L 0.05000 61.9 37-142

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1)

Prepared: 09/01/08 Analyzed: 09/03/08



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Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004952
COC#: 7900
REPORTED: 9/8/2008 9:58:32AM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1) Continued			Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	U	0.005	mg/L							U
LCS (B809001-BS1)			Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	0.093	0.005	mg/L	0.1000		92.7	80-120			
Duplicate (B809001-DUP1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	U	0.005	mg/L						20	U
Matrix Spike (B809001-MS1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	0.018	0.005	mg/L	0.02000		92.5	70-130			
Matrix Spike Dup (B809001-MSD1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Lead	0.019	0.005	mg/L	0.02000		95.5	70-130	3.19	25	

Batch B809008 - NO PREP

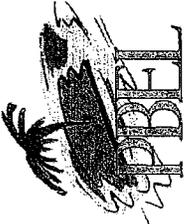
Blank (B809008-BLK1)			Prepared & Analyzed: 09/03/08							
Lead	U	0.200	mg/kg wet							U
LCS (B809008-BS1)			Prepared & Analyzed: 09/03/08							
Lead	0.085	0.200	mg/kg wet	0.1000		84.6	80-120			I
Duplicate (B809008-DUP1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Lead	U	0.233	mg/kg dry		U				20	U
Matrix Spike (B809008-MS1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Lead	0.524	0.233	mg/kg dry	0.6977	U	75.2	70-130			
Matrix Spike Dup (B809008-MSD1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Lead	0.519	0.233	mg/kg dry	0.6977	U	74.3	70-130	1.11	25	



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit

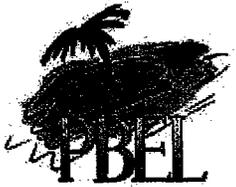


Palm Beach Environmental
Laboratories, Inc.

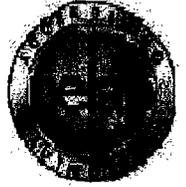
CHAIN OF CUSTODY RECORD

Log #: 045
PO #: _____
Quote #: _____
FDEP: _____

LAB ANALYSIS										Matrix Codes								
Company Name:	WPS Corporation									SD	Oil							
Address:	7800 Congress Ave., Suite 200									GW	Sludge							
City:	Boca Raton									EFF	Soil Sediment							
State:	FL									AFW	Aqueous							
Zip:	33487									WW	Nonaqueous							
Phone#:	561-994-6500									DW	Other (Please Specify)							
Fax#:	561-994-6524									SW								
Project Name:	Press Immuse									Press Codes								
Field Station:	EPA 821									A. None	O. Other							
Sampler Name:	Ed Leung									B. HNO3	F. MeOH							
Signature:	<i>[Signature]</i>									C. H2SO4	G. Na2S2O3							
Project #:	38617-185									D. NaOH	I. Ice							
Sampler:	Jamie Sullivan																	
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filtered	Integrity OK	Total # of containers	PH	PREP CODE	Parameters	I/E	I/B	I/O	EPA #	Lead	Lead	PH Metals	PH
01	UST-SB1(0-2)	8/28/08	11:40	S			3				✓	✓	✓	EPA 8310	✓		PH Metals	CL
02	UST-SB2(0-2)	8/28/08	11:55	S			3				✓	✓	✓		✓		PH	HOLD
03	UST-WP1	8/28/08	12:15	GW			5				✓	✓	✓		✓		PH Metals	CL
04	UST-WP1 (Filtered)	8/28/08	12:15	GW			1				✓	✓	✓		✓		PH	HOLD
05	UST-WP2	8/28/08	13:00	GW			5				✓	✓	✓		✓		PH Metals	CL
06	UST-WP2 (Filtered)	8/28/08	13:00	GW			1				✓	✓	✓		✓		PH	HOLD
07																		
08																		
09																		
10																		
Standard	T.A.T. Request	RUSH	Q/VQC Report Level										COC OK	Integrals				
YN	24 Hour		None	1	2	3	Other											
Item	Relinquished by	Date	Affiliation	Received By	Time	Time	Date	Affiliation	Date	Time	Time	Time	Time	Time	Time	Time	Time	Time
	<i>[Signature]</i>	8/30/08	WPS	<i>[Signature]</i>	10:30		8/30/08	W.P.B.E.	8/30/08	10:30								



Palm Beach Environmental
Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #: 0004953

September 11, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-SB1(0-2) **Lab ID:** 0004953-01 **Sampled:** 08/28/08 11:40
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.3	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.05	U	mg/kg	EPA 3545 / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.08	U	mg/kg	EPA 3545 / 8270	1	0.08	0.08	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.06	U	mg/kg	EPA 3545 / 8270	1	0.06	0.3	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

NA	Surrogate: Nitrobenzene-d5	77.9 %	Limit 47-131
321-60-8	Surrogate: 2-Fluorobiphenyl	93.8 %	Limit 51-134
NA	Surrogate: p-Terphenyl-d14	106 %	Limit 59-135

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-SB1(0-2) Lab ID: 0004953-01 Sampled: 08/28/08 11:40
Matrix: Soil Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS

% Recovery Q % Recovery Limits

1868-53-7 Surrogate: Dibromofluoromethane 108 % Limit 62-136



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-SB1(0-2)	Lab ID: 0004953-01	Sampled: 08/28/08 11:40
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
2037-26-5	Surrogate: Toluene-d8	70.6	%		Limit 66-144						
460-00-4	Surrogate: 4-Bromofluorobenzene	78.8	%		Limit 70-131						

FLPRO

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	FLPRO Total	0.170	U	mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery		Q	% Recovery Limits						
84-15-1	Surrogate: o-Terphenyl	81.1	%		Limit 37-142						



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-SB2(0-2) **Lab ID:** 0004953-02 **Sampled:** 08/28/08 12:15
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.3	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.05	U	mg/kg	EPA 3545 / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.08	U	mg/kg	EPA 3545 / 8270	1	0.08	0.08	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.06	U	mg/kg	EPA 3545 / 8270	1	0.06	0.3	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

NA	Surrogate: Nitrobenzene-d5	72.5 %	Limit 47-131
321-60-8	Surrogate: 2-Fluorobiphenyl	91.5 %	Limit 51-134
NA	Surrogate: p-Terphenyl-d14	117 %	Limit 59-135

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-SB2(0-2) **Lab ID:** 0004953-02 **Sampled:** 08/28/08 12:15
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
		% Recovery	Q	% Recovery Limits							
1868-53-7	Surrogate: Dibromofluoromethane	106 %		Limit 62-136							



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-SB2(0-2)	Lab ID: 0004953-02	Sampled: 08/28/08 12:15
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u> <u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
2037-26-5	Surrogate: Toluene-d8	71.7 %		Limit 66-144						
460-00-4	Surrogate: 4-Bromofluorobenzene	76.6 %		Limit 70-131						

FLPRO

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u> <u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u> <u>Date</u>	<u>Analysis</u> <u>Date</u>	<u>Analyst</u>
NA	FLPRO Total	49.6	mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	92.0 %		Limit 37-142						



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-WP1 Lab ID: 0004953-03 Sampled: 08/28/08 12:15
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.1	U	ug/L	EPA 3510C / 8270	1	0.1	10.0	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.5	U	ug/L	EPA 3510C / 8270	1	0.5	0.5	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.005	U	ug/L	EPA 3510C / 8270	1	0.005	0.05	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

321-60-8	Surrogate: 2-Fluorobiphenyl	67.6 %		Limit 51-134
NA	Surrogate: Nitrobenzene-d5	62.5 %		Limit 47-131
NA	Surrogate: p-Terphenyl-d14	93.3 %		Limit 59-145

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



Palm Beach Environmental
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CERTIFICATE OF ANALYSIS

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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-WP1 **Lab ID:** 0004953-03 **Sampled:** 08/28/08 12:15
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
		% Recovery		Q	% Recovery Limits						
1868-53-7	Surrogate: Dibromofluoromethane	108 %			Limit 62-136						
2037-26-5	Surrogate: Toluene-d8	70.5 %			Limit 66-144						
460-00-4	Surrogate: 4-Bromofluorobenzene	76.4 %			Limit 70-131						

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	09/03/08	09/04/08	MH
		% Recovery		Q	% Recovery Limits						
84-15-1	Surrogate: o-Terphenyl	81.4 %			Limit 37-142						

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-WP2 **Lab ID:** 0004953-05 **Sampled:** 08/28/08 13:00
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.1	U	ug/L	EPA 3510C / 8270	1	0.1	10.0	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.5	U	ug/L	EPA 3510C / 8270	1	0.5	0.5	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.005	U	ug/L	EPA 3510C / 8270	1	0.005	0.05	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

321-60-8	Surrogate: 2-Fluorobiphenyl	90.4 %		Limit 51-134
NA	Surrogate: Nitrobenzene-d5	69.8 %		Limit 47-131
NA	Surrogate: p-Terphenyl-d14	107 %		Limit 59-145

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: UST-WP2	Lab ID: 0004953-05	Sampled: 08/28/08 13:00
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
		% Recovery		Q	% Recovery Limits						
1868-53-7	Surrogate: Dibromofluoromethane	107 %									Limit 62-136
2037-26-5	Surrogate: Toluene-d8	69.8 %									Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	75.2 %									Limit 70-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	09/03/08	09/04/08	MH
		% Recovery		Q	% Recovery Limits						
84-15-1	Surrogate: o-Terphenyl	113 %									Limit 37-142

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

Blank (B809009-BLK1)

Prepared & Analyzed: 09/11/08

Naphthalene	U	10.0	ug/L							U
2-Methylnaphthalene	U	10.0	ug/L							U
1-Methylnaphthalene	U	10.0	ug/L							U
Acenaphthylene	U	10.0	ug/L							U
Acenaphthene	U	10.0	ug/L							U
Fluorene	U	10.0	ug/L							U
Phenanthrene	U	10.0	ug/L							U
Anthracene	U	10.0	ug/L							U
Fluoranthene	U	10.0	ug/L							U
Pyrene	U	10.0	ug/L							U
Benzo[a]anthracene	U	0.05	ug/L							U
Chrysene	U	0.2	ug/L							U
Benzo[b]fluoranthene	U	0.05	ug/L							U
Benzo[k]fluoranthene	U	0.5	ug/L							U
Benzo[a]pyrene	U	0.2	ug/L							U
Dibenz[a,h]anthracene	U	0.05	ug/L							U
Indeno[1,2,3-cd]pyrene	U	0.05	ug/L							U
Benzo[g,h,i]perylene	U	10.0	ug/L							U

Surrogate: 2-Fluorobiphenyl

0.00

ug/L

30.00

51-134

U

Surrogate: Nitrobenzene-d5

0.00

ug/L

30.00

47-131

U

Surrogate: p-Terphenyl-d14

0.00

ug/L

30.00

59-145

U

LCS (B809009-BS1)

Prepared & Analyzed: 09/11/08

Naphthalene	U	10.0	ug/L	50.00			0-200			U
2-Methylnaphthalene	U	10.0	ug/L	50.00			0-200			U
1-Methylnaphthalene	U	10.0	ug/L	50.00			0-200			U
Acenaphthylene	U	10.0	ug/L	50.00			0-200			U
Acenaphthene	U	10.0	ug/L	50.00			0-200			U
Fluorene	U	10.0	ug/L	50.00			0-200			U
Phenanthrene	U	10.0	ug/L	50.00			0-200			U
Anthracene	U	10.0	ug/L	50.00			0-200			U
Fluoranthene	U	10.0	ug/L	50.00			0-200			U
Pyrene	U	10.0	ug/L	50.00			0-200			U
Benzo[a]anthracene	U	0.05	ug/L	50.00			0-200			U
Chrysene	U	0.2	ug/L	50.00			0-200			U
Benzo[b]fluoranthene	U	0.05	ug/L	50.00			0-200			U
Benzo[k]fluoranthene	U	0.5	ug/L	50.00			0-200			U
Benzo[a]pyrene	U	0.2	ug/L	50.00			0-200			U



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

LCS (B809009-BS1) Continued

Prepared & Analyzed: 09/11/08

Dibenz[a,h]anthracene	U	0.05	ug/L	50.00		0-200				U
Indeno[1,2,3-cd]pyrene	U	0.05	ug/L	50.00		0-200				U
Benzo[g,h,i]perylene	U	10.0	ug/L	50.00		0-200				U

<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>		<i>51-134</i>				U
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>		<i>47-131</i>				U
<i>Surrogate: p-Terphenyl-d14</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>		<i>59-145</i>				U

LCS Dup (B809009-BSD1)

Prepared & Analyzed: 09/11/08

Naphthalene	U	10.0	ug/L	50.00		0-200		200		U
2-Methylnaphthalene	U	10.0	ug/L	50.00		0-200		200		U
1-Methylnaphthalene	U	10.0	ug/L	50.00		0-200		200		U
Acenaphthylene	U	10.0	ug/L	50.00		0-200		200		U
Acenaphthene	U	10.0	ug/L	50.00		0-200		200		U
Fluorene	U	10.0	ug/L	50.00		0-200		200		U
Phenanthrene	U	10.0	ug/L	50.00		0-200		200		U
Anthracene	U	10.0	ug/L	50.00		0-200		200		U
Fluoranthene	U	10.0	ug/L	50.00		0-200		200		U
Pyrene	U	10.0	ug/L	50.00		0-200		200		U
Benzo[a]anthracene	U	0.05	ug/L	50.00		0-200		200		U
Chrysene	U	0.2	ug/L	50.00		0-200		200		U
Benzo[b]fluoranthene	U	0.05	ug/L	50.00		0-200		200		U
Benzo[k]fluoranthene	U	0.5	ug/L	50.00		0-200		200		U
Benzo[a]pyrene	U	0.2	ug/L	50.00		0-200		200		U
Dibenz[a,h]anthracene	U	0.05	ug/L	50.00		0-200		200		U
Indeno[1,2,3-cd]pyrene	U	0.05	ug/L	50.00		0-200		200		U
Benzo[g,h,i]perylene	U	10.0	ug/L	50.00		0-200		200		U

<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>		<i>51-134</i>				U
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>		<i>47-131</i>				U
<i>Surrogate: p-Terphenyl-d14</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>		<i>59-145</i>				U

Calibration Check (B809009-CCV1)

Prepared & Analyzed: 09/11/08

Naphthalene	0.0		ug/L	100.0		0-200				U
2-Methylnaphthalene	0.0		ug/L	100.0		0-200				U
1-Methylnaphthalene	0.0		ug/L	100.0		0-200				U
Acenaphthylene	0.0		ug/L	100.0		0-200				U
Acenaphthene	0.0		ug/L	100.0		0-200				U
Fluorene	0.0		ug/L	100.0		0-200				U
Phenanthrene	0.0		ug/L	100.0		0-200				U



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

Calibration Check (B809009-CCV1) Contin

Prepared & Analyzed: 09/11/08

Anthracene	0.0		ug/L	100.0			0-200			U
Fluoranthene	0.0		ug/L	100.0			0-200			U
Pyrene	0.0		ug/L	100.0			0-200			U
Benzo[a]anthracene	0.0		ug/L	100.0			0-200			U
Chrysene	0.0		ug/L	100.0			0-200			U
Benzo[b]fluoranthene	0.0		ug/L	100.0			0-200			U
Benzo[k]fluoranthene	0.0		ug/L	100.0			0-200			U
Benzo[a]pyrene	0.0		ug/L	100.0			0-200			U
Dibenz[a,h]anthracene	0.0		ug/L	100.0			0-200			U
Indeno[1,2,3-cd]pyrene	0.0		ug/L	100.0			0-200			U
Benzo[g,h,i]perylene	0.0		ug/L	100.0			0-200			U
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>			<i>0-200</i>			<i>U</i>
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>			<i>0-200</i>			<i>U</i>
<i>Surrogate: p-Terphenyl-d14</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>			<i>0-200</i>			<i>U</i>

Batch B809031 - EPA 3545

Blank (B809031-BLK1)

Prepared: 09/03/08 Analyzed: 09/11/08

Naphthalene	U	0.3	mg/kg							U
2-Methylnaphthalene	U	0.3	mg/kg							U
1-Methylnaphthalene	U	0.3	mg/kg							U
Acenaphthylene	U	0.3	mg/kg							U
Acenaphthene	U	0.3	mg/kg							U
Fluorene	U	0.3	mg/kg							U
Phenanthrene	U	0.3	mg/kg							U
Anthracene	U	0.3	mg/kg							U
Fluoranthene	U	0.3	mg/kg							U
Pyrene	U	0.3	mg/kg							U
Benzo[a]anthracene	U	0.04	mg/kg							U
Chrysene	U	0.02	mg/kg							U
Benzo[b]fluoranthene	U	0.04	mg/kg							U
Benzo[k]fluoranthene	U	0.02	mg/kg							U
Benzo[a]pyrene	U	0.05	mg/kg							U
Dibenz[a,h]anthracene	U	0.08	mg/kg							U
Indeno[1,2,3-cd]pyrene	U	0.04	mg/kg							U
Benzo[g,h,i]perylene	U	0.3	mg/kg							U
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.07</i>		<i>mg/kg</i>	<i>1.500</i>		<i>71.4</i>	<i>47-131</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.18</i>		<i>mg/kg</i>	<i>1.500</i>		<i>78.5</i>	<i>51-134</i>			



CERTIFICATE OF ANALYSIS

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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809031 - EPA 3545

Blank (B809031-BLK1) Continued

Prepared: 09/03/08 Analyzed: 09/11/08

Surrogate: *p*-Terphenyl-d14 1.44 mg/kg 1.500 95.8 59-135

LCS (B809031-BS1)

Prepared: 09/03/08 Analyzed: 09/11/08

Naphthalene	2.5	0.3	mg/kg	2.500	99.3	60-135
2-Methylnaphthalene	2.4	0.3	mg/kg	2.500	97.1	60-135
1-Methylnaphthalene	2.4	0.3	mg/kg	2.500	95.6	60-135
Acenaphthylene	2.1	0.3	mg/kg	2.500	82.5	60-135
Acenaphthene	2.1	0.3	mg/kg	2.500	83.1	60-135
Fluorene	2.1	0.3	mg/kg	2.500	84.7	60-135
Phenanthrene	2.3	0.3	mg/kg	2.500	90.4	60-135
Anthracene	2.1	0.3	mg/kg	2.500	83.3	60-135
Fluoranthene	2.2	0.3	mg/kg	2.500	87.3	60-135
Pyrene	2.3	0.3	mg/kg	2.500	93.0	60-135
Benzo[a]anthracene	1.9	0.04	mg/kg	2.500	77.9	60-135
Chrysene	2.0	0.02	mg/kg	2.500	78.9	60-135
Benzo[b]fluoranthene	2.0	0.04	mg/kg	2.500	80.4	60-135
Benzo[k]fluoranthene	2.0	0.02	mg/kg	2.500	81.1	60-135
Benzo[a]pyrene	2.1	0.05	mg/kg	2.500	83.5	60-135
Dibenz[a,h]anthracene	2.1	0.08	mg/kg	2.500	85.3	60-135
Indeno[1,2,3-cd]pyrene	2.2	0.04	mg/kg	2.500	87.1	60-135
Benzo[g,h,i]perylene	2.1	0.3	mg/kg	2.500	82.5	60-135

Surrogate: Nitrobenzene-d5 1.07 mg/kg 1.500 71.5 60-135

Surrogate: 2-Fluorobiphenyl 1.09 mg/kg 1.500 72.9 60-135

Surrogate: *p*-Terphenyl-d14 1.32 mg/kg 1.500 88.2 60-135

LCS Dup (B809031-BSD1)

Prepared & Analyzed: 09/11/08

Naphthalene	2.3	0.3	mg/kg	2.500	93.9	60-135	5.57	25
2-Methylnaphthalene	2.4	0.3	mg/kg	2.500	96.5	60-135	0.641	25
1-Methylnaphthalene	2.4	0.3	mg/kg	2.500	94.6	60-135	0.989	25
Acenaphthylene	2.1	0.3	mg/kg	2.500	85.1	60-135	3.15	25
Acenaphthene	2.3	0.3	mg/kg	2.500	92.7	60-135	10.9	25
Fluorene	2.5	0.3	mg/kg	2.500	99.6	60-135	16.2	25
Phenanthrene	2.1	0.3	mg/kg	2.500	82.1	60-135	9.62	25
Anthracene	2.0	0.3	mg/kg	2.500	80.5	60-135	3.47	25
Fluoranthene	2.0	0.3	mg/kg	2.500	79.1	60-135	9.86	25
Pyrene	1.9	0.3	mg/kg	2.500	75.3	60-135	21.1	25
Benzo[a]anthracene	2.0	0.04	mg/kg	2.500	79.3	60-135	1.81	25
Chrysene	2.2	0.02	mg/kg	2.500	87.0	60-135	9.79	25
Benzo[b]fluoranthene	2.3	0.04	mg/kg	2.500	92.7	60-135	14.2	25



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809031 - EPA 3545

LCS Dup (B809031-BSD1) Continued

Prepared & Analyzed: 09/11/08

Benzo[k]fluoranthene	2.2	0.02	mg/kg	2.500		88.5	60-135	8.73	25	
Benzo[a]pyrene	2.1	0.05	mg/kg	2.500		83.6	60-135	0.0958	25	
Dibenz[a,h]anthracene	2.1	0.08	mg/kg	2.500		83.1	60-135	2.54	25	
Indeno[1,2,3-cd]pyrene	2.0	0.04	mg/kg	2.500		79.7	60-135	8.87	25	
Benzo[g,h,i]perylene	1.9	0.3	mg/kg	2.500		77.7	60-135	5.94	25	
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.23</i>		<i>mg/kg</i>	<i>1.500</i>		<i>82.2</i>	<i>60-135</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.07</i>		<i>mg/kg</i>	<i>1.500</i>		<i>71.5</i>	<i>60-135</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>1.13</i>		<i>mg/kg</i>	<i>1.500</i>		<i>75.5</i>	<i>60-135</i>			

Calibration Check (B809031-CCV1)

Prepared & Analyzed: 09/11/08

Naphthalene	4.9		mg/kg	5.000		98.6	0-200			
2-Methylnaphthalene	4.9		mg/kg	5.000		97.6	0-200			
1-Methylnaphthalene	4.7		mg/kg	5.000		94.6	0-200			
Acenaphthylene	4.7		mg/kg	5.000		94.7	0-200			
Acenaphthene	4.8		mg/kg	5.000		95.6	0-200			
Fluorene	4.6		mg/kg	5.000		92.1	0-200			
Phenanthrene	4.4		mg/kg	5.000		88.8	0-200			
Anthracene	4.3		mg/kg	5.000		85.4	0-200			
Fluoranthene	4.4		mg/kg	5.000		87.6	0-200			
Pyrene	4.3		mg/kg	5.000		85.6	0-200			
Benzo[a]anthracene	4.3		mg/kg	5.000		85.3	0-200			
Chrysene	4.1		mg/kg	5.000		82.4	0-200			
Benzo[b]fluoranthene	4.6		mg/kg	5.000		91.6	0-200			
Benzo[k]fluoranthene	4.9		mg/kg	5.000		98.3	0-200			
Benzo[a]pyrene	4.7		mg/kg	5.000		94.7	0-200			
Dibenz[a,h]anthracene	4.9		mg/kg	5.000		98.2	0-200			
Indeno[1,2,3-cd]pyrene	4.6		mg/kg	5.000		91.7	0-200			
Benzo[g,h,i]perylene	4.5		mg/kg	5.000		90.3	0-200			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.32</i>		<i>mg/kg</i>	<i>1.500</i>		<i>88.2</i>	<i>0-200</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.35</i>		<i>mg/kg</i>	<i>1.500</i>		<i>90.1</i>	<i>0-200</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>1.50</i>		<i>mg/kg</i>	<i>1.500</i>		<i>99.7</i>	<i>0-200</i>			

EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1)

Prepared: 08/30/08 Analyzed: 09/04/08

1,2-Dibromomethane (EDB)	U	0.001	mg/kg							U
1,2-Dichloroethane	U	0.001	mg/kg							U
1,2-Dichloropropane	U	0.001	mg/kg							U



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

Dichlorodifluoromethane	U	0.001	mg/kg							U
Chloromethane	U	0.001	mg/kg							U
Vinyl Chloride	U	0.001	mg/kg							U
Bromomethane	U	0.001	mg/kg							U
Chloroethane	U	0.001	mg/kg							U
Trichlorofluoromethane	U	0.001	mg/kg							U
1,1-Dichloroethene	U	0.001	mg/kg							U
Methylene Chloride	U	0.001	mg/kg							U
MTBE	U	0.001	mg/kg							U
trans-1,2-Dichloroethene	U	0.001	mg/kg							U
1,1-Dichloroethane	U	0.001	mg/kg							U
2,2-Dichloropropane	U	0.001	mg/kg							U
cis-1,2-Dichloroethene	U	0.001	mg/kg							U
Chloroform	U	0.001	mg/kg							U
Bromochloromethane	U	0.001	mg/kg							U
1,1,1-Trichloroethane	U	0.001	mg/kg							U
1,1-Dichloropropene	U	0.001	mg/kg							U
Carbon Tetrachloride	U	0.001	mg/kg							U
Benzene	U	0.001	mg/kg							U
Trichloroethene	U	0.001	mg/kg							U
Dibromomethane	U	0.001	mg/kg							U
Bromodichloromethane	U	0.001	mg/kg							U
cis-1,3-Dichloropropene	U	0.001	mg/kg							U
Toluene	U	0.001	mg/kg							U
trans-1,3-Dichloropropene	U	0.001	mg/kg							U
1,1,2-Trichloroethane	U	0.001	mg/kg							U
1,3-Dichloropropane	U	0.001	mg/kg							U
Tetrachloroethene	U	0.001	mg/kg							U
Dibromochloromethane	U	0.001	mg/kg							U
Chlorobenzene	U	0.001	mg/kg							U
1,1,1,2-Tetrachloroethane	U	0.001	mg/kg							U
Ethylbenzene	U	0.001	mg/kg							U
m,p-Xylene	U	0.001	mg/kg							U
o-Xylene	U	0.001	mg/kg							U
Bromoform	U	0.001	mg/kg							U
1,3-Dichlorobenzene	U	0.001	mg/kg							U
1,4-Dichlorobenzene	U	0.001	mg/kg							U



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LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

1,2-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dibromo-3-Chloropropane	U	0.001	mg/kg							U

Surrogate: Dibromofluoromethane	0.0261		mg/kg	0.02500		104	62-136			
Surrogate: Toluene-d8	0.0172		mg/kg	0.02500		68.9	66-144			
Surrogate: 4-Bromofluorobenzene	0.0194		mg/kg	0.02500		77.8	70-131			

LCS (B809018-BS1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.015	0.001	mg/kg	0.02000		74.8	60-135			
Trichloroethene	0.020	0.001	mg/kg	0.02000		98.6	60-135			
Toluene	0.020	0.001	mg/kg	0.02000		99.6	60-135			
Chlorobenzene	0.020	0.001	mg/kg	0.02000		97.8	60-135			

Surrogate: Dibromofluoromethane	0.0261		mg/kg	0.02500		104	62-136			
Surrogate: Toluene-d8	0.0174		mg/kg	0.02500		69.5	66-144			
Surrogate: 4-Bromofluorobenzene	0.0192		mg/kg	0.02500		76.6	70-131			

LCS Dup (B809018-BS1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.016	0.001	mg/kg	0.02000		81.8	60-135	9.01	20	
Trichloroethene	0.021	0.001	mg/kg	0.02000		105	60-135	6.57	20	
Toluene	0.022	0.001	mg/kg	0.02000		108	60-135	8.13	20	
Chlorobenzene	0.021	0.001	mg/kg	0.02000		107	60-135	8.98	20	

Surrogate: Dibromofluoromethane	0.0260		mg/kg	0.02500		104	62-136			
Surrogate: Toluene-d8	0.0174		mg/kg	0.02500		69.5	66-144			
Surrogate: 4-Bromofluorobenzene	0.0195		mg/kg	0.02500		77.8	70-131			

Calibration Check (B809018-CCV1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.031		mg/kg	0.04000		77.0	60-135			
Trichloroethene	0.039		mg/kg	0.04000		97.5	60-135			
Toluene	0.040		mg/kg	0.04000		99.5	60-135			
Chlorobenzene	0.041		mg/kg	0.04000		101	60-135			

Surrogate: Dibromofluoromethane	0.0264		mg/kg	0.02500		106	62-136			
Surrogate: Toluene-d8	0.0174		mg/kg	0.02500		69.6	66-144			
Surrogate: 4-Bromofluorobenzene	0.0193		mg/kg	0.02500		77.1	70-131			

EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1)

Prepared: 08/30/08 Analyzed: 09/03/08

1,2-Dibromomethane (EDB)	U	0.02	ug/L							U
1,2-Dichloroethane	U	1.0	ug/L							U
1,2-Dichloropropane	U	1.0	ug/L							U



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LOG #: 0004953
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PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Prepared: 08/30/08 Analyzed: 09/03/08

Blank (B809017-BLK1) Continued

Dichlorodifluoromethane	U	1.0	ug/L							U
Chloromethane	U	1.0	ug/L							U
Vinyl Chloride	U	1.0	ug/L							U
Bromomethane	U	1.0	ug/L							U
Chloroethane	U	1.0	ug/L							U
Trichlorofluoromethane	U	1.0	ug/L							U
1,1-Dichloroethene	U	1.0	ug/L							U
Methylene Chloride	U	1.0	ug/L							U
MTBE	U	1.0	ug/L							U
trans-1,2-Dichloroethene	U	1.0	ug/L							U
1,1-Dichloroethane	U	1.0	ug/L							U
2,2-Dichloropropane	U	1.0	ug/L							U
cis-1,2-Dichloroethene	U	1.0	ug/L							U
Chloroform	U	1.0	ug/L							U
Bromochloromethane	U	1.0	ug/L							U
1,1,1-Trichloroethane	U	1.0	ug/L							U
1,1-Dichloropropene	U	1.0	ug/L							U
Carbon Tetrachloride	U	1.0	ug/L							U
Benzene	U	1.0	ug/L							U
Trichloroethene	U	1.0	ug/L							U
Dibromomethane	U	0.002	ug/L							U
Bromodichloromethane	U	0.5	ug/L							U
cis-1,3-Dichloropropene	U	1.0	ug/L							U
Toluene	U	1.0	ug/L							U
trans-1,3-Dichloropropene	U	1.0	ug/L							U
1,1,2-Trichloroethane	U	1.0	ug/L							U
1,3-Dichloropropane	U	1.0	ug/L							U
Tetrachloroethene	U	0.2	ug/L							U
Dibromochloromethane	U	0.4	ug/L							U
Chlorobenzene	U	1.0	ug/L							U
1,1,1,2-Tetrachloroethane	U	0.2	ug/L							U
Ethylbenzene	U	1.0	ug/L							U
m,p-Xylene	U	1.0	ug/L							U
o-Xylene	U	1.0	ug/L							U
Bromoform	U	1.0	ug/L							U
1,3-Dichlorobenzene	U	1.0	ug/L							U
1,4-Dichlorobenzene	U	1.0	ug/L							U



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PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

1,1,2,2-Tetrachloroethane	U	1.0	ug/L							U
1,2-Dichlorobenzene	U	1.0	ug/L							U
1,2,3-Trichloropropane	U	0.2	ug/L							U
1,2-Dibromo-3-Chloropropane	U	0.002	ug/L							U
Bromobenzene	U	1.0	ug/L							U
2-Chloroethyl Vinyl Ether	U	1.0	ug/L							U

Surrogate: Dibromofluoromethane

26.8

ug/L

25.00

107 62-136

Surrogate: Toluene-d8

17.3

ug/L

25.00

69.2 66-144

Surrogate: 4-Bromofluorobenzene

19.3

ug/L

25.00

77.2 70-131

LCS (B809017-BS1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.2	1.0	ug/L	25.00		72.8	60-135			
Trichloroethene	23.3	1.0	ug/L	25.00		93.1	60-135			
Toluene	23.3	1.0	ug/L	25.00		93.2	60-135			
Chlorobenzene	23.7	1.0	ug/L	25.00		94.7	60-135			

Surrogate: Dibromofluoromethane

26.6

ug/L

25.00

106 62-136

Surrogate: Toluene-d8

17.3

ug/L

25.00

69.1 66-144

Surrogate: 4-Bromofluorobenzene

18.7

ug/L

25.00

74.6 70-131

LCS Dup (B809017-BSD1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.6	1.0	ug/L	25.00		74.4	60-135	2.18	20	
Trichloroethene	23.9	1.0	ug/L	25.00		95.6	60-135	2.67	20	
Toluene	24.3	1.0	ug/L	25.00		97.1	60-135	4.16	20	
Chlorobenzene	24.6	1.0	ug/L	25.00		98.4	60-135	3.81	20	

Surrogate: Dibromofluoromethane

26.4

ug/L

25.00

106 62-136

Surrogate: Toluene-d8

17.6

ug/L

25.00

70.2 66-144

Surrogate: 4-Bromofluorobenzene

18.9

ug/L

25.00

75.8 70-131

Calibration Check (B809017-CCV1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	33.6		ug/L	40.00		84.1	60-135			
Trichloroethene	38.8		ug/L	40.00		97.1	60-135			
Toluene	39.0		ug/L	40.00		97.5	60-135			
Chlorobenzene	41.4		ug/L	40.00		103	60-135			

Surrogate: Dibromofluoromethane

26.7

ug/L

25.00

107 62-136

Surrogate: Toluene-d8

17.6

ug/L

25.00

70.4 66-144

Surrogate: 4-Bromofluorobenzene

18.8

ug/L

25.00

75.3 70-131

FLPRO - Quality Control

Batch B809010 - EPA 3545



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
FLPRO - Quality Control										
<i>Batch B809010 - EPA 3545</i>										
Blank (B809010-BLK1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	U	1.00	mg/kg							U
<i>Surrogate: o-Terphenyl</i>	1.71		mg/kg	2.500		68.6	37-142			
LCS (B809010-BS1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	28.4	1.00	mg/kg	25.00		113	0-200			
<i>Surrogate: o-Terphenyl</i>	2.00		mg/kg	2.500		80.2	37-142			
Matrix Spike (B809010-MS1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	13.2	1.00	mg/kg	12.50		106	0-200			
<i>Surrogate: o-Terphenyl</i>	1.86		mg/kg	2.500		74.2	37-142			
Matrix Spike Dup (B809010-MSD1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	12.2	1.00	mg/kg	12.50		97.2	0-200		200	
<i>Surrogate: o-Terphenyl</i>	1.79		mg/kg	2.500		71.7	37-142			
<i>Batch B809011 - EPA 3510C</i>										
Blank (B809011-BLK1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	U	0.500	mg/L							U
<i>Surrogate: o-Terphenyl</i>	0.0287		mg/L	0.05000		57.5	37-142			
LCS (B809011-BS1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	0.539	0.500	mg/L	0.5000		108	60-120			
<i>Surrogate: o-Terphenyl</i>	0.0406		mg/L	0.05000		81.3	37-142			
Matrix Spike (B809011-MS1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	0.284	0.500	mg/L	0.2500		114	40-155			I
<i>Surrogate: o-Terphenyl</i>	0.0347		mg/L	0.05000		69.4	37-142			
Matrix Spike Dup (B809011-MSD1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	0.253	0.500	mg/L	0.2500		101	40-155		30	I
<i>Surrogate: o-Terphenyl</i>	0.0309		mg/L	0.05000		61.9	37-142			
Metals by EPA 6000/7000 Series Methods - Quality Control										
<i>Batch B809001 - NO PREP</i>										
Blank (B809001-BLK1) Prepared: 09/01/08 Analyzed: 09/03/08										
Lead	U	0.005	mg/L							U
LCS (B809001-BS1) Prepared: 09/01/08 Analyzed: 09/03/08										
Lead	0.093	0.005	mg/L	0.1000		92.7	80-120			
Duplicate (B809001-DUP1) Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08										
Lead	U	0.005	mg/L						20	U



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004953
COC#: 7904
REPORTED: 9/11/2008 12:23:32PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

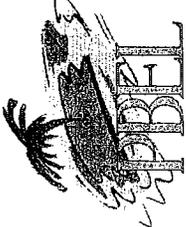
Matrix Spike (B809001-MS1)	Source: 0004950-02	Prepared: 09/01/08	Analyzed: 09/03/08						
Lead	0.018	0.005	mg/L	0.02000	92.5	70-130			
Matrix Spike Dup (B809001-MSD1)	Source: 0004950-02	Prepared: 09/01/08	Analyzed: 09/03/08						
Lead	0.019	0.005	mg/L	0.02000	95.5	70-130	3.19	25	



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



Palm Beach Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Log #: 4954
 PO #: _____
 Quote #: _____
 FDEP: _____

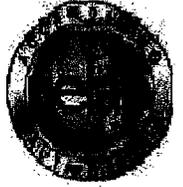
LAB ANALYSIS										Matrix Codes									
#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix	Field Filled	Integrity OK	Total # of containers	Parameters			Press Codes								
								pH	PREL CODE	RES CODE	A. None	B. HNO3	C. H2SO4	D. NaOH	E. HCL	F. MeOH	G. Na2S2O3	I. Ice	O. Other
01	FUST-SB3(2-4)	8/28/08	13:35	S			3	Lead	I/B	I			SD	Solid Waste	OL	Oil			
02	FUST-SB 4(2-4)	8/28/08	13:50	S			3	Lead	I/E				GW	Ground Water	SL	Sludge			
03	DUP-12	8/28/08	15:00	S			3						EFF	Effluent	SO	Soil Sediment			
04	FUST-WP1	8/28/08	14:00	GW			5						AFW	Analyte Free H2O	AQ	Aqueous			
05	FUST-WP2 (Filtered)	8/28/08	14:00	GW			5						WW	Waste Water	NA	Nonaqueous			
06	FUST-WP2	8/28/08	14:30	GW			5						DW	Drinking Water					
07	FUST-WP2 (Filtered)	8/28/08	14:30	GW			5						SW	Surface Water	O	Other (Please Specify)			
08	DUP-13	8/28/08	15:30	GW			1						Press Codes						
09	DUP-13 (Filtered)	8/28/08	15:30	GW			1						Press Codes						
10													Press Codes						
QA/QC Report Level:										COC OK		Initials							
None										1		2		3		Other			
Date										Time		Received		Affiliation		Date			
8/30/08										10:30		8/30/08		URS		8/30/08 1030			
Requisitioned by										Date		Time		Received		Affiliation		Date	
J. Sullivan										8/30/08		10:30		URS		8/30/08 1030			
Signature										Date		Time		Received		Affiliation		Date	
J. Sullivan										8/30/08		10:30		URS		8/30/08 1030			
Company Name: URS Corporation										Date		Time		Received		Affiliation		Date	
Address: 7800 Congress Ave., Suite 200										8/30/08		10:30		URS		8/30/08 1030			
City: Boca Raton State: FL Zip: 33487										8/30/08		10:30		URS		8/30/08 1030			
Attn: Ed Leding Phone#: 561-994-6500										8/30/08		10:30		URS		8/30/08 1030			
email: Ed.Leding@urscorp.com Fax#: 561-994-6524										8/30/08		10:30		URS		8/30/08 1030			
Project: Kissimmee "Formerly UST Area"										8/30/08		10:30		URS		8/30/08 1030			
Sampler Name: Station										8/30/08		10:30		URS		8/30/08 1030			
Sampler Signature: J. Sullivan										8/30/08		10:30		URS		8/30/08 1030			
Proj#: 38617-185										8/30/08		10:30		URS		8/30/08 1030			

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COC# 7898



Palm Beach Environmental
Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #: 0004954

September 11, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 FAX: (561) 994-6524

LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-SB3(2-4) Lab ID: 0004954-01 Sampled: 08/28/08 13:35
Matrix: Soil Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.3	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.05	U	mg/kg	EPA 3545 / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.08	U	mg/kg	EPA 3545 / 8270	1	0.08	0.08	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.06	U	mg/kg	EPA 3545 / 8270	1	0.06	0.3	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

NA	Surrogate: Nitrobenzene-d5	87.3 %	Limit 47-131
321-60-8	Surrogate: 2-Fluorobiphenyl	79.0 %	Limit 51-134
NA	Surrogate: p-Terphenyl-d14	97.6 %	Limit 59-135

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-SB3(2-4) **Lab ID:** 0004954-01 **Sampled:** 08/28/08 13:35
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS

% Recovery Q % Recovery Limits

1868-53-7 Surrogate: Dibromofluoromethane 106 % Limit 62-136



CERTIFICATE OF ANALYSIS

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PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-SB3(2-4)	Lab ID: 0004954-01	Sampled: 08/28/08 13:35
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
2037-26-5	Surrogate: Toluene-d8	70.9 %			Limit 66-144							
460-00-4	Surrogate: 4-Bromofluorobenzene	78.0 %			Limit 70-131							

FLPRO

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
NA	FLPRO Total	16.6		mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08		MH
		% Recovery	Q	% Recovery Limits								
84-15-1	Surrogate: o-Terphenyl	93.2 %			Limit 37-142							



CERTIFICATE OF ANALYSIS

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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-SB4(2-4) **Lab ID:** 0004954-02 **Sampled:** 08/28/08 13:50
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
91-20-3	Naphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.3	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.05	U	mg/kg	EPA 3545 / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.08	U	mg/kg	EPA 3545 / 8270	1	0.08	0.08	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.06	U	mg/kg	EPA 3545 / 8270	1	0.06	0.3	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

NA	Surrogate: Nitrobenzene-d5	71.4 %	Limit 47-131
321-60-8	Surrogate: 2-Fluorobiphenyl	77.0 %	Limit 51-134
NA	Surrogate: p-Terphenyl-d14	88.2 %	Limit 59-135

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction	Analysis	Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-SB4(2-4) Lab ID: 0004954-02 Sampled: 08/28/08 13:50
Matrix: Soil Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS

% Recovery Q % Recovery Limits

1868-53-7 Surrogate: Dibromofluoromethane 106 % Limit 62-136



Palm Beach Environmental
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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-SB4(2-4)	Lab ID: 0004954-02	Sampled: 08/28/08 13:50
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
2037-26-5	Surrogate: Toluene-d8	70.5 %			Limit 66-144						
460-00-4	Surrogate: 4-Bromofluorobenzene	76.1 %			Limit 70-131						

FLPRO

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	FLPRO Total	0.170	U	mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery		Q	% Recovery Limits						
84-15-1	Surrogate: o-Terphenyl	87.5 %			Limit 37-142						



CERTIFICATE OF ANALYSIS

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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-12 **Lab ID:** 0004954-03 **Sampled:** 08/28/08 15:00
Matrix: Soil **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.3	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.01	U	mg/kg	EPA 3545 / 8270	1	0.01	0.3	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.03	U	mg/kg	EPA 3545 / 8270	1	0.03	0.3	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.3	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.02	U	mg/kg	EPA 3545 / 8270	1	0.02	0.02	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.05	U	mg/kg	EPA 3545 / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.08	U	mg/kg	EPA 3545 / 8270	1	0.08	0.08	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.04	U	mg/kg	EPA 3545 / 8270	1	0.04	0.04	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.06	U	mg/kg	EPA 3545 / 8270	1	0.06	0.3	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

NA	Surrogate: Nitrobenzene-d5	73.0 %	Limit 47-131
321-60-8	Surrogate: 2-Fluorobiphenyl	78.9 %	Limit 51-134
NA	Surrogate: p-Terphenyl-d14	86.2 %	Limit 59-135

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.0001	U	mg/kg	EPA 5035 / 8260B	1	0.0001	0.001	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004954

COC#: 7898

REPORTED: 9/11/2008 12:28:37PM

PROJECT #: 38617-185

PROJECT: Kissimmee Field Station

Description: DUP-12

Lab ID: 0004954-03

Sampled: 08/28/08 15:00

Matrix: Soil

Sampled By: Jamie Sullivan

Received: 08/29/08 10:30

EPA Method 8021 List in Soil

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Date	Analysis Date	Analyst
75-35-4	1,1-Dichloroethene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	0.001	U	mg/kg	EPA 5035 / 8260B	1	0.001	0.001	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.0002	U	mg/kg	EPA 5035 / 8260B	1	0.0002	0.001	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.0004	U	mg/kg	EPA 5035 / 8260B	1	0.0004	0.001	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.0005	U	mg/kg	EPA 5035 / 8260B	1	0.0005	0.001	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
108-38-3/10 6-42-3	m,p-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.0003	U	mg/kg	EPA 5035 / 8260B	1	0.0003	0.001	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.0007	U	mg/kg	EPA 5035 / 8260B	1	0.0007	0.001	08/30/08	09/03/08	PLS

% Recovery Q % Recovery Limits

1868-53-7 Surrogate: Dibromofluoromethane

108 %

Limit 62-136



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-12	Lab ID: 0004954-03	Sampled: 08/28/08 15:00
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in Soil

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
2037-26-5	Surrogate: Toluene-d8	72.1 %			Limit 66-144						
460-00-4	Surrogate: 4-Bromofluorobenzene	77.2 %			Limit 70-131						

FLPRO

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
NA	FLPRO Total	2.00		mg/kg	EPA 3545 /RO	1	0.170	1.00	09/03/08	09/04/08	MH
		% Recovery	Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	93.8 %			Limit 37-142						



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-WP1 Lab ID: 0004954-04 Sampled: 08/28/08 14:00
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.1	U	ug/L	EPA 3510C / 8270	1	0.1	10.0	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.5	U	ug/L	EPA 3510C / 8270	1	0.5	0.5	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.005	U	ug/L	EPA 3510C / 8270	1	0.005	0.05	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

321-60-8	Surrogate: 2-Fluorobiphenyl	79.0 %	Limit 51-134
NA	Surrogate: Nitrobenzene-d5	109 %	Limit 47-131
NA	Surrogate: p-Terphenyl-d14	97.6 %	Limit 59-145

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-WP1 Lab ID: 0004954-04 Sampled: 08/28/08 14:00
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
75-35-4	1,1-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.5	U	ug/L	EPA 8260B	1	0.5	0.5	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	0.4	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
108-38-3/10 6-42-3	m,p-Xylene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.3	U	ug/L	EPA 8260B	1	0.3	1.0	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
96-18-4	1,2,3-Trichloropropane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-WP1 **Lab ID:** 0004954-04 **Sampled:** 08/28/08 14:00
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS	
		% Recovery		Q	% Recovery Limits							
1868-53-7	Surrogate: Dibromofluoromethane	106 %			Limit 62-136							
2037-26-5	Surrogate: Toluene-d8	68.5 %			Limit 66-144							
460-00-4	Surrogate: 4-Bromofluorobenzene	72.4 %			Limit 70-131							

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
NA	FLPRO Total	1.01		mg/L	EPA 3510C /RO	1	0.040	0.500	09/03/08	09/04/08	MH	
		% Recovery		Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	77.1 %			Limit 37-142							

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH	



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-WP2 **Lab ID:** 0004954-06 **Sampled:** 08/28/08 14:30
Matrix: Water **Sampled By:** Jamie Sullivan **Received:** 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.1	U	ug/L	EPA 3510C / 8270	1	0.1	10.0	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.5	U	ug/L	EPA 3510C / 8270	1	0.5	0.5	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.005	U	ug/L	EPA 3510C / 8270	1	0.005	0.05	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

321-60-8	Surrogate: 2-Fluorobiphenyl	70.4 %		Limit 51-134
NA	Surrogate: Nitrobenzene-d5	67.1 %		Limit 47-131
NA	Surrogate: p-Terphenyl-d14	87.8 %		Limit 59-145

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-WP2	Lab ID: 0004954-06	Sampled: 08/28/08 14:30
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
75-35-4	1,1-Dichloroethane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
75-09-2	Methylene Chloride	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
1634-04-4	MTBE	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
156-60-5	trans-1,2-Dichloroethene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-34-3	1,1-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
590-20-7	2,2-Dichloropropane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
156-59-2	cis-1,2-Dichloroethene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
67-66-3	Chloroform	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
74-97-5	Bromochloromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
71-55-6	1,1,1-Trichloroethane	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
563-58-6	1,1-Dichloropropene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
56-23-5	Carbon Tetrachloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
71-43-2	Benzene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
79-01-6	Trichloroethene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
74-95-3	Dibromomethane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS
75-27-4	Bromodichloromethane	0.5	U	ug/L	EPA 8260B	1	0.5	0.5	08/30/08	09/03/08	PLS
10061-01-5	cis-1,3-Dichloropropene	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
108-88-3	Toluene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
10061-02-6	trans-1,3-Dichloropropene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-00-5	1,1,2-Trichloroethane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
142-28-9	1,3-Dichloropropane	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
127-18-4	Tetrachloroethene	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
124-48-1	Dibromochloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	0.4	08/30/08	09/03/08	PLS
108-90-7	Chlorobenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
100-41-4	Ethylbenzene	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
108-38-3/10 6-42-3	m,p-Xylene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
95-47-6	o-Xylene	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-25-2	Bromoform	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
541-73-1	1,3-Dichlorobenzene	0.3	U	ug/L	EPA 8260B	1	0.3	1.0	08/30/08	09/03/08	PLS
106-46-7	1,4-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
79-34-5	1,1,2,2-Tetrachloroethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS
95-50-1	1,2-Dichlorobenzene	0.5	U	ug/L	EPA 8260B	1	0.5	1.0	08/30/08	09/03/08	PLS
96-18-4	1,2,3-Trichloropropane	0.2	U	ug/L	EPA 8260B	1	0.2	0.2	08/30/08	09/03/08	PLS
96-12-8	1,2-Dibromo-3-Chloropropane	0.002	U	ug/L	EPA 8260B	1	0.002	0.002	08/30/08	09/03/08	PLS



CERTIFICATE OF ANALYSIS

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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: FUST-WP2 Lab ID: 0004954-06 Sampled: 08/28/08 14:30
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Date
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS	
		% Recovery		Q	% Recovery Limits							
1868-53-7	Surrogate: Dibromofluoromethane	108 %										Limit 62-136
2037-26-5	Surrogate: Toluene-d8	70.9 %										Limit 66-144
460-00-4	Surrogate: 4-Bromofluorobenzene	76.4 %										Limit 70-131

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Date
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	09/03/08	09/04/08	MH	
		% Recovery		Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	77.4 %										Limit 37-142

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Date
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH	



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-13 Lab ID: 0004954-08 Sampled: 08/28/08 15:30
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA 8100 PAH List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
91-20-3	Naphthalene	0.1	U	ug/L	EPA 3510C / 8270	1	0.1	10.0	09/03/08	09/11/08	MH
91-57-6	2-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
90-12-0	1-Methylnaphthalene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
208-96-8	Acenaphthylene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
83-32-9	Acenaphthene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
86-73-7	Fluorene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
85-01-8	Phenanthrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	10.0	09/03/08	09/11/08	MH
120-12-7	Anthracene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH
206-44-0	Fluoranthene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
129-00-0	Pyrene	0.4	U	ug/L	EPA 3510C / 8270	1	0.4	10.0	09/03/08	09/11/08	MH
56-55-3	Benzo[a]anthracene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
218-01-9	Chrysene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
205-99-2	Benzo[b]fluoranthene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
207-08-9	Benzo[k]fluoranthene	0.5	U	ug/L	EPA 3510C / 8270	1	0.5	0.5	09/03/08	09/11/08	MH
50-32-8	Benzo[a]pyrene	0.2	U	ug/L	EPA 3510C / 8270	1	0.2	0.2	09/03/08	09/11/08	MH
53-70-3	Dibenz[a,h]anthracene	0.005	U	ug/L	EPA 3510C / 8270	1	0.005	0.05	09/03/08	09/11/08	MH
193-39-5	Indeno[1,2,3-cd]pyrene	0.05	U	ug/L	EPA 3510C / 8270	1	0.05	0.05	09/03/08	09/11/08	MH
191-24-2	Benzo[g,h,i]perylene	0.3	U	ug/L	EPA 3510C / 8270	1	0.3	10.0	09/03/08	09/11/08	MH

% Recovery Q % Recovery Limits

321-60-8	Surrogate: 2-Fluorobiphenyl	69.7 %	Limit 51-134
NA	Surrogate: Nitrobenzene-d5	93.8 %	Limit 47-131
NA	Surrogate: p-Terphenyl-d14	96.7 %	Limit 59-145

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction Analysis		Analyst
									Date	Date	
	1,2-Dibromomethane (EDB)	0.02	U	ug/L	EPA 8260B	1	0.02	0.02	08/30/08	09/03/08	PLS
	1,2-Dichloroethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
	1,2-Dichloropropane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
75-71-8	Dichlorodifluoromethane	0.6	U	ug/L	EPA 8260B	1	0.6	1.0	08/30/08	09/03/08	PLS
74-87-3	Chloromethane	0.4	U	ug/L	EPA 8260B	1	0.4	1.0	08/30/08	09/03/08	PLS
75-01-4	Vinyl Chloride	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS
74-83-9	Bromomethane	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS
75-00-3	Chloroethane	0.9	U	ug/L	EPA 8260B	1	0.9	1.0	08/30/08	09/03/08	PLS
75-69-4	Trichlorofluoromethane	0.7	U	ug/L	EPA 8260B	1	0.7	1.0	08/30/08	09/03/08	PLS



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-13 Lab ID: 0004954-08 Sampled: 08/28/08 15:30
Matrix: Water Sampled By: Jamie Sullivan Received: 08/29/08 10:30

EPA Method 8021 List in water

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
108-86-1	Bromobenzene	0.8	U	ug/L	EPA 8260B	1	0.8	1.0	08/30/08	09/03/08	PLS	
110-75-8	2-Chloroethyl Vinyl Ether	1.0	U	ug/L	EPA 8260B	1	1.0	1.0	08/30/08	09/03/08	PLS	
		% Recovery		Q	% Recovery Limits							
1868-53-7	Surrogate: Dibromofluoromethane	107 %			Limit 62-136							
2037-26-5	Surrogate: Toluene-d8	70.2 %			Limit 66-144							
460-00-4	Surrogate: 4-Bromofluorobenzene	74.8 %			Limit 70-131							

FLPRO

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
NA	FLPRO Total	0.040	U	mg/L	EPA 3510C /RO	1	0.040	0.500	09/03/08	09/04/08	MH	
		% Recovery		Q	% Recovery Limits							
84-15-1	Surrogate: o-Terphenyl	78.3 %			Limit 37-142							

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
7439-92-1	Lead	0.00001	U	mg/L	EPA 6020B	1	0.00001	0.005	09/01/08	09/03/08	MH	



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

Blank (B809009-BLK1)

Prepared & Analyzed: 09/11/08

Naphthalene	U	10.0	ug/L							U
2-Methylnaphthalene	U	10.0	ug/L							U
1-Methylnaphthalene	U	10.0	ug/L							U
Acenaphthylene	U	10.0	ug/L							U
Acenaphthene	U	10.0	ug/L							U
Fluorene	U	10.0	ug/L							U
Phenanthrene	U	10.0	ug/L							U
Anthracene	U	10.0	ug/L							U
Fluoranthene	U	10.0	ug/L							U
Pyrene	U	10.0	ug/L							U
Benzo[a]anthracene	U	0.05	ug/L							U
Chrysene	U	0.2	ug/L							U
Benzo[b]fluoranthene	U	0.05	ug/L							U
Benzo[k]fluoranthene	U	0.5	ug/L							U
Benzo[a]pyrene	U	0.2	ug/L							U
Dibenz[a,h]anthracene	U	0.05	ug/L							U
Indeno[1,2,3-cd]pyrene	U	0.05	ug/L							U
Benzo[g,h,i]perylene	U	10.0	ug/L							U
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>			<i>51-134</i>			<i>U</i>
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>			<i>47-131</i>			<i>U</i>
<i>Surrogate: p-Terphenyl-d14</i>	<i>0.00</i>		<i>ug/L</i>	<i>30.00</i>			<i>59-145</i>			<i>U</i>

LCS (B809009-BS1)

Prepared & Analyzed: 09/11/08

Naphthalene	U	10.0	ug/L	50.00			0-200			U
2-Methylnaphthalene	U	10.0	ug/L	50.00			0-200			U
1-Methylnaphthalene	U	10.0	ug/L	50.00			0-200			U
Acenaphthylene	U	10.0	ug/L	50.00			0-200			U
Acenaphthene	U	10.0	ug/L	50.00			0-200			U
Fluorene	U	10.0	ug/L	50.00			0-200			U
Phenanthrene	U	10.0	ug/L	50.00			0-200			U
Anthracene	U	10.0	ug/L	50.00			0-200			U
Fluoranthene	U	10.0	ug/L	50.00			0-200			U
Pyrene	U	10.0	ug/L	50.00			0-200			U
Benzo[a]anthracene	U	0.05	ug/L	50.00			0-200			U
Chrysene	U	0.2	ug/L	50.00			0-200			U
Benzo[b]fluoranthene	U	0.05	ug/L	50.00			0-200			U
Benzo[k]fluoranthene	U	0.5	ug/L	50.00			0-200			U
Benzo[a]pyrene	U	0.2	ug/L	50.00			0-200			U



Palm Beach Environmental
Laboratories Inc.

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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

LCS (B809009-BS1) Continued

Prepared & Analyzed: 09/11/08

Dibenz[a,h]anthracene	U	0.05	ug/L	50.00			0-200			U
Indeno[1,2,3-cd]pyrene	U	0.05	ug/L	50.00			0-200			U
Benzo[g,h,i]perylene	U	10.0	ug/L	50.00			0-200			U
Surrogate: 2-Fluorobiphenyl	0.00		ug/L	30.00			51-134			U
Surrogate: Nitrobenzene-d5	0.00		ug/L	30.00			47-131			U
Surrogate: p-Terphenyl-d14	0.00		ug/L	30.00			59-145			U

LCS Dup (B809009-BSD1)

Prepared & Analyzed: 09/11/08

Naphthalene	U	10.0	ug/L	50.00			0-200	200		U
2-Methylnaphthalene	U	10.0	ug/L	50.00			0-200	200		U
1-Methylnaphthalene	U	10.0	ug/L	50.00			0-200	200		U
Acenaphthylene	U	10.0	ug/L	50.00			0-200	200		U
Acenaphthene	U	10.0	ug/L	50.00			0-200	200		U
Fluorene	U	10.0	ug/L	50.00			0-200	200		U
Phenanthrene	U	10.0	ug/L	50.00			0-200	200		U
Anthracene	U	10.0	ug/L	50.00			0-200	200		U
Fluoranthene	U	10.0	ug/L	50.00			0-200	200		U
Pyrene	U	10.0	ug/L	50.00			0-200	200		U
Benzo[a]anthracene	U	0.05	ug/L	50.00			0-200	200		U
Chrysene	U	0.2	ug/L	50.00			0-200	200		U
Benzo[b]fluoranthene	U	0.05	ug/L	50.00			0-200	200		U
Benzo[k]fluoranthene	U	0.5	ug/L	50.00			0-200	200		U
Benzo[a]pyrene	U	0.2	ug/L	50.00			0-200	200		U
Dibenz[a,h]anthracene	U	0.05	ug/L	50.00			0-200	200		U
Indeno[1,2,3-cd]pyrene	U	0.05	ug/L	50.00			0-200	200		U
Benzo[g,h,i]perylene	U	10.0	ug/L	50.00			0-200	200		U
Surrogate: 2-Fluorobiphenyl	0.00		ug/L	30.00			51-134			U
Surrogate: Nitrobenzene-d5	0.00		ug/L	30.00			47-131			U
Surrogate: p-Terphenyl-d14	0.00		ug/L	30.00			59-145			U

Calibration Check (B809009-CCV1)

Prepared & Analyzed: 09/11/08

Naphthalene	0.0		ug/L	100.0			0-200			U
2-Methylnaphthalene	0.0		ug/L	100.0			0-200			U
1-Methylnaphthalene	0.0		ug/L	100.0			0-200			U
Acenaphthylene	0.0		ug/L	100.0			0-200			U
Acenaphthene	0.0		ug/L	100.0			0-200			U
Fluorene	0.0		ug/L	100.0			0-200			U
Phenanthrene	0.0		ug/L	100.0			0-200			U



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809009 - EPA 3510C

Calibration Check (B809009-CCV1) Contin

Prepared & Analyzed: 09/11/08

Anthracene	0.0		ug/L	100.0			0-200			U
Fluoranthene	0.0		ug/L	100.0			0-200			U
Pyrene	0.0		ug/L	100.0			0-200			U
Benzo[a]anthracene	0.0		ug/L	100.0			0-200			U
Chrysene	0.0		ug/L	100.0			0-200			U
Benzo[b]fluoranthene	0.0		ug/L	100.0			0-200			U
Benzo[k]fluoranthene	0.0		ug/L	100.0			0-200			U
Benzo[a]pyrene	0.0		ug/L	100.0			0-200			U
Dibenz[a,h]anthracene	0.0		ug/L	100.0			0-200			U
Indeno[1,2,3-cd]pyrene	0.0		ug/L	100.0			0-200			U
Benzo[g,h,i]perylene	0.0		ug/L	100.0			0-200			U
Surrogate: 2-Fluorobiphenyl	0.00		ug/L	30.00			0-200			U
Surrogate: Nitrobenzene-d5	0.00		ug/L	30.00			0-200			U
Surrogate: p-Terphenyl-d14	0.00		ug/L	30.00			0-200			U

Batch B809031 - EPA 3545

Blank (B809031-BLK1)

Prepared: 09/03/08 Analyzed: 09/11/08

Naphthalene	U	0.3	mg/kg							U
2-Methylnaphthalene	U	0.3	mg/kg							U
1-Methylnaphthalene	U	0.3	mg/kg							U
Acenaphthylene	U	0.3	mg/kg							U
Acenaphthene	U	0.3	mg/kg							U
Fluorene	U	0.3	mg/kg							U
Phenanthrene	U	0.3	mg/kg							U
Anthracene	U	0.3	mg/kg							U
Fluoranthene	U	0.3	mg/kg							U
Pyrene	U	0.3	mg/kg							U
Benzo[a]anthracene	U	0.04	mg/kg							U
Chrysene	U	0.02	mg/kg							U
Benzo[b]fluoranthene	U	0.04	mg/kg							U
Benzo[k]fluoranthene	U	0.02	mg/kg							U
Benzo[a]pyrene	U	0.05	mg/kg							U
Dibenz[a,h]anthracene	U	0.08	mg/kg							U
Indeno[1,2,3-cd]pyrene	U	0.04	mg/kg							U
Benzo[g,h,i]perylene	U	0.3	mg/kg							U
Surrogate: Nitrobenzene-d5		1.07	mg/kg	1.500		71.4	47-131			
Surrogate: 2-Fluorobiphenyl		1.18	mg/kg	1.500		78.5	51-134			



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PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809031 - EPA 3545

Blank (B809031-BLK1) Continued

Prepared: 09/03/08 Analyzed: 09/11/08

Surrogate: p-Terphenyl-d14 1.44 mg/kg 1.500 95.8 59-135

LCS (B809031-BS1)

Prepared: 09/03/08 Analyzed: 09/11/08

Naphthalene	2.5	0.3	mg/kg	2.500	99.3	60-135
2-Methylnaphthalene	2.4	0.3	mg/kg	2.500	97.1	60-135
1-Methylnaphthalene	2.4	0.3	mg/kg	2.500	95.6	60-135
Acenaphthylene	2.1	0.3	mg/kg	2.500	82.5	60-135
Acenaphthene	2.1	0.3	mg/kg	2.500	83.1	60-135
Fluorene	2.1	0.3	mg/kg	2.500	84.7	60-135
Phenanthrene	2.3	0.3	mg/kg	2.500	90.4	60-135
Anthracene	2.1	0.3	mg/kg	2.500	83.3	60-135
Fluoranthene	2.2	0.3	mg/kg	2.500	87.3	60-135
Pyrene	2.3	0.3	mg/kg	2.500	93.0	60-135
Benzo[a]anthracene	1.9	0.04	mg/kg	2.500	77.9	60-135
Chrysene	2.0	0.02	mg/kg	2.500	78.9	60-135
Benzo[b]fluoranthene	2.0	0.04	mg/kg	2.500	80.4	60-135
Benzo[k]fluoranthene	2.0	0.02	mg/kg	2.500	81.1	60-135
Benzo[a]pyrene	2.1	0.05	mg/kg	2.500	83.5	60-135
Dibenz[a,h]anthracene	2.1	0.08	mg/kg	2.500	85.3	60-135
Indeno[1,2,3-cd]pyrene	2.2	0.04	mg/kg	2.500	87.1	60-135
Benzo[g,h,i]perylene	2.1	0.3	mg/kg	2.500	82.5	60-135

Surrogate: Nitrobenzene-d5 1.07 mg/kg 1.500 71.5 60-135

Surrogate: 2-Fluorobiphenyl 1.09 mg/kg 1.500 72.9 60-135

Surrogate: p-Terphenyl-d14 1.32 mg/kg 1.500 88.2 60-135

LCS Dup (B809031-BSD1)

Prepared & Analyzed: 09/11/08

Naphthalene	2.3	0.3	mg/kg	2.500	93.9	60-135	5.57	25
2-Methylnaphthalene	2.4	0.3	mg/kg	2.500	96.5	60-135	0.641	25
1-Methylnaphthalene	2.4	0.3	mg/kg	2.500	94.6	60-135	0.989	25
Acenaphthylene	2.1	0.3	mg/kg	2.500	85.1	60-135	3.15	25
Acenaphthene	2.3	0.3	mg/kg	2.500	92.7	60-135	10.9	25
Fluorene	2.5	0.3	mg/kg	2.500	99.6	60-135	16.2	25
Phenanthrene	2.1	0.3	mg/kg	2.500	82.1	60-135	9.62	25
Anthracene	2.0	0.3	mg/kg	2.500	80.5	60-135	3.47	25
Fluoranthene	2.0	0.3	mg/kg	2.500	79.1	60-135	9.86	25
Pyrene	1.9	0.3	mg/kg	2.500	75.3	60-135	21.1	25
Benzo[a]anthracene	2.0	0.04	mg/kg	2.500	79.3	60-135	1.81	25
Chrysene	2.2	0.02	mg/kg	2.500	87.0	60-135	9.79	25
Benzo[b]fluoranthene	2.3	0.04	mg/kg	2.500	92.7	60-135	14.2	25



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REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA 8100 PAH List - Quality Control

Batch B809031 - EPA 3545

LCS Dup (B809031-BSD1) Continued

Prepared & Analyzed: 09/11/08

Benzo[k]fluoranthene	2.2	0.02	mg/kg	2.500		88.5	60-135	8.73	25	
Benzo[a]pyrene	2.1	0.05	mg/kg	2.500		83.6	60-135	0.0958	25	
Dibenz[a,h]anthracene	2.1	0.08	mg/kg	2.500		83.1	60-135	2.54	25	
Indeno[1,2,3-cd]pyrene	2.0	0.04	mg/kg	2.500		79.7	60-135	8.87	25	
Benzo[g,h,i]perylene	1.9	0.3	mg/kg	2.500		77.7	60-135	5.94	25	
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.23</i>		<i>mg/kg</i>	<i>1.500</i>		<i>82.2</i>	<i>60-135</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.07</i>		<i>mg/kg</i>	<i>1.500</i>		<i>71.5</i>	<i>60-135</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>1.13</i>		<i>mg/kg</i>	<i>1.500</i>		<i>75.5</i>	<i>60-135</i>			

Calibration Check (B809031-CCV1)

Prepared & Analyzed: 09/11/08

Naphthalene	4.9		mg/kg	5.000		98.6	0-200			
2-Methylnaphthalene	4.9		mg/kg	5.000		97.6	0-200			
1-Methylnaphthalene	4.7		mg/kg	5.000		94.6	0-200			
Acenaphthylene	4.7		mg/kg	5.000		94.7	0-200			
Acenaphthene	4.8		mg/kg	5.000		95.6	0-200			
Fluorene	4.6		mg/kg	5.000		92.1	0-200			
Phenanthrene	4.4		mg/kg	5.000		88.8	0-200			
Anthracene	4.3		mg/kg	5.000		85.4	0-200			
Fluoranthene	4.4		mg/kg	5.000		87.6	0-200			
Pyrene	4.3		mg/kg	5.000		85.6	0-200			
Benzo[a]anthracene	4.3		mg/kg	5.000		85.3	0-200			
Chrysene	4.1		mg/kg	5.000		82.4	0-200			
Benzo[b]fluoranthene	4.6		mg/kg	5.000		91.6	0-200			
Benzo[k]fluoranthene	4.9		mg/kg	5.000		98.3	0-200			
Benzo[a]pyrene	4.7		mg/kg	5.000		94.7	0-200			
Dibenz[a,h]anthracene	4.9		mg/kg	5.000		98.2	0-200			
Indeno[1,2,3-cd]pyrene	4.6		mg/kg	5.000		91.7	0-200			
Benzo[g,h,i]perylene	4.5		mg/kg	5.000		90.3	0-200			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.32</i>		<i>mg/kg</i>	<i>1.500</i>		<i>88.2</i>	<i>0-200</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.35</i>		<i>mg/kg</i>	<i>1.500</i>		<i>90.1</i>	<i>0-200</i>			
<i>Surrogate: p-Terphenyl-d14</i>	<i>1.50</i>		<i>mg/kg</i>	<i>1.500</i>		<i>99.7</i>	<i>0-200</i>			

EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1)

Prepared: 08/30/08 Analyzed: 09/04/08

1,2-Dibromomethane (EDB)	U	0.001	mg/kg							U
1,2-Dichloroethane	U	0.001	mg/kg							U
1,2-Dichloropropane	U	0.001	mg/kg							U



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

Dichlorodifluoromethane	U	0.001	mg/kg							U
Chloromethane	U	0.001	mg/kg							U
Vinyl Chloride	U	0.001	mg/kg							U
Bromomethane	U	0.001	mg/kg							U
Chloroethane	U	0.001	mg/kg							U
Trichlorofluoromethane	U	0.001	mg/kg							U
1,1-Dichloroethene	U	0.001	mg/kg							U
Methylene Chloride	U	0.001	mg/kg							U
MTBE	U	0.001	mg/kg							U
trans-1,2-Dichloroethene	U	0.001	mg/kg							U
1,1-Dichloroethane	U	0.001	mg/kg							U
2,2-Dichloropropane	U	0.001	mg/kg							U
cis-1,2-Dichloroethene	U	0.001	mg/kg							U
Chloroform	U	0.001	mg/kg							U
Bromochloromethane	U	0.001	mg/kg							U
1,1,1-Trichloroethane	U	0.001	mg/kg							U
1,1-Dichloropropene	U	0.001	mg/kg							U
Carbon Tetrachloride	U	0.001	mg/kg							U
Benzene	U	0.001	mg/kg							U
Trichloroethene	U	0.001	mg/kg							U
Dibromomethane	U	0.001	mg/kg							U
Bromodichloromethane	U	0.001	mg/kg							U
cis-1,3-Dichloropropene	U	0.001	mg/kg							U
Toluene	U	0.001	mg/kg							U
trans-1,3-Dichloropropene	U	0.001	mg/kg							U
1,1,2-Trichloroethane	U	0.001	mg/kg							U
1,3-Dichloropropane	U	0.001	mg/kg							U
Tetrachloroethene	U	0.001	mg/kg							U
Dibromochloromethane	U	0.001	mg/kg							U
Chlorobenzene	U	0.001	mg/kg							U
1,1,1,2-Tetrachloroethane	U	0.001	mg/kg							U
Ethylbenzene	U	0.001	mg/kg							U
m,p-Xylene	U	0.001	mg/kg							U
o-Xylene	U	0.001	mg/kg							U
Bromoform	U	0.001	mg/kg							U
1,3-Dichlorobenzene	U	0.001	mg/kg							U
1,4-Dichlorobenzene	U	0.001	mg/kg							U



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PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in Soil - Quality Control

Batch B809018 - EPA 5035

Blank (B809018-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/04/08

1,2-Dichlorobenzene	U	0.001	mg/kg							U
1,2-Dibromo-3-Chloropropane	U	0.001	mg/kg							U
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0261</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0172</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>68.9</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0194</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.8</i>	<i>70-131</i>			

LCS (B809018-BS1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.015	0.001	mg/kg	0.02000		74.8	60-135			
Trichloroethene	0.020	0.001	mg/kg	0.02000		98.6	60-135			
Toluene	0.020	0.001	mg/kg	0.02000		99.6	60-135			
Chlorobenzene	0.020	0.001	mg/kg	0.02000		97.8	60-135			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0261</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.5</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0192</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>76.6</i>	<i>70-131</i>			

LCS Dup (B809018-BSD1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.016	0.001	mg/kg	0.02000		81.8	60-135	9.01	20	
Trichloroethene	0.021	0.001	mg/kg	0.02000		105	60-135	6.57	20	
Toluene	0.022	0.001	mg/kg	0.02000		108	60-135	8.13	20	
Chlorobenzene	0.021	0.001	mg/kg	0.02000		107	60-135	8.98	20	
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0260</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>104</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.5</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0195</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.8</i>	<i>70-131</i>			

Calibration Check (B809018-CCV1)

Prepared: 08/30/08 Analyzed: 09/04/08

Benzene	0.031		mg/kg	0.04000		77.0	60-135			
Trichloroethene	0.039		mg/kg	0.04000		97.5	60-135			
Toluene	0.040		mg/kg	0.04000		99.5	60-135			
Chlorobenzene	0.041		mg/kg	0.04000		101	60-135			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.0264</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>106</i>	<i>62-136</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0174</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>69.6</i>	<i>66-144</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0193</i>		<i>mg/kg</i>	<i>0.02500</i>		<i>77.1</i>	<i>70-131</i>			

EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1)

Prepared: 08/30/08 Analyzed: 09/03/08

1,2-Dibromomethane (EDB)	U	0.02	ug/L							U
1,2-Dichloroethane	U	1.0	ug/L							U
1,2-Dichloropropane	U	1.0	ug/L							U



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PROJECT #: 38617-185
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Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

Dichlorodifluoromethane	U	1.0	ug/L							U
Chloromethane	U	1.0	ug/L							U
Vinyl Chloride	U	1.0	ug/L							U
Bromomethane	U	1.0	ug/L							U
Chloroethane	U	1.0	ug/L							U
Trichlorofluoromethane	U	1.0	ug/L							U
1,1-Dichloroethene	U	1.0	ug/L							U
Methylene Chloride	U	1.0	ug/L							U
MTBE	U	1.0	ug/L							U
trans-1,2-Dichloroethene	U	1.0	ug/L							U
1,1-Dichloroethane	U	1.0	ug/L							U
2,2-Dichloropropane	U	1.0	ug/L							U
cis-1,2-Dichloroethene	U	1.0	ug/L							U
Chloroform	U	1.0	ug/L							U
Bromochloromethane	U	1.0	ug/L							U
1,1,1-Trichloroethane	U	1.0	ug/L							U
1,1-Dichloropropene	U	1.0	ug/L							U
Carbon Tetrachloride	U	1.0	ug/L							U
Benzene	U	1.0	ug/L							U
Trichloroethene	U	1.0	ug/L							U
Dibromomethane	U	0.002	ug/L							U
Bromodichloromethane	U	0.5	ug/L							U
cis-1,3-Dichloropropene	U	1.0	ug/L							U
Toluene	U	1.0	ug/L							U
trans-1,3-Dichloropropene	U	1.0	ug/L							U
1,1,2-Trichloroethane	U	1.0	ug/L							U
1,3-Dichloropropane	U	1.0	ug/L							U
Tetrachloroethene	U	0.2	ug/L							U
Dibromochloromethane	U	0.4	ug/L							U
Chlorobenzene	U	1.0	ug/L							U
1,1,1,2-Tetrachloroethane	U	0.2	ug/L							U
Ethylbenzene	U	1.0	ug/L							U
m,p-Xylene	U	1.0	ug/L							U
o-Xylene	U	1.0	ug/L							U
Bromoform	U	1.0	ug/L							U
1,3-Dichlorobenzene	U	1.0	ug/L							U
1,4-Dichlorobenzene	U	1.0	ug/L							U



CERTIFICATE OF ANALYSIS

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Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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EPA Method 8021 List in water - Quality Control

Batch B809017 - P&T

Blank (B809017-BLK1) Continued

Prepared: 08/30/08 Analyzed: 09/03/08

1,1,2,2-Tetrachloroethane	U	1.0	ug/L							U
1,2-Dichlorobenzene	U	1.0	ug/L							U
1,2,3-Trichloropropane	U	0.2	ug/L							U
1,2-Dibromo-3-Chloropropane	U	0.002	ug/L							U
Bromobenzene	U	1.0	ug/L							U
2-Chloroethyl Vinyl Ether	U	1.0	ug/L							U
<i>Surrogate: Dibromofluoromethane</i>	26.8		ug/L	25.00		107	62-136			
<i>Surrogate: Toluene-d8</i>	17.3		ug/L	25.00		69.2	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	19.3		ug/L	25.00		77.2	70-131			

LCS (B809017-BS1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.2	1.0	ug/L	25.00		72.8	60-135			
Trichloroethene	23.3	1.0	ug/L	25.00		93.1	60-135			
Toluene	23.3	1.0	ug/L	25.00		93.2	60-135			
Chlorobenzene	23.7	1.0	ug/L	25.00		94.7	60-135			
<i>Surrogate: Dibromofluoromethane</i>	26.6		ug/L	25.00		106	62-136			
<i>Surrogate: Toluene-d8</i>	17.3		ug/L	25.00		69.1	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.7		ug/L	25.00		74.6	70-131			

LCS Dup (B809017-BSD1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	18.6	1.0	ug/L	25.00		74.4	60-135	2.18	20	
Trichloroethene	23.9	1.0	ug/L	25.00		95.6	60-135	2.67	20	
Toluene	24.3	1.0	ug/L	25.00		97.1	60-135	4.16	20	
Chlorobenzene	24.6	1.0	ug/L	25.00		98.4	60-135	3.81	20	
<i>Surrogate: Dibromofluoromethane</i>	26.4		ug/L	25.00		106	62-136			
<i>Surrogate: Toluene-d8</i>	17.6		ug/L	25.00		70.2	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.9		ug/L	25.00		75.8	70-131			

Calibration Check (B809017-CCV1)

Prepared: 08/30/08 Analyzed: 09/03/08

Benzene	33.6		ug/L	40.00		84.1	60-135			
Trichloroethene	38.8		ug/L	40.00		97.1	60-135			
Toluene	39.0		ug/L	40.00		97.5	60-135			
Chlorobenzene	41.4		ug/L	40.00		103	60-135			
<i>Surrogate: Dibromofluoromethane</i>	26.7		ug/L	25.00		107	62-136			
<i>Surrogate: Toluene-d8</i>	17.6		ug/L	25.00		70.4	66-144			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.8		ug/L	25.00		75.3	70-131			

FLPRO - Quality Control

Batch B809010 - EPA 3545



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
FLPRO - Quality Control										
<i>Batch B809010 - EPA 3545</i>										
Blank (B809010-BLK1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	U	1.00	mg/kg							U
<i>Surrogate: o-Terphenyl</i>	1.71		mg/kg	2.500		68.6	37-142			
LCS (B809010-BS1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	28.4	1.00	mg/kg	25.00		113	0-200			
<i>Surrogate: o-Terphenyl</i>	2.00		mg/kg	2.500		80.2	37-142			
Matrix Spike (B809010-MS1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	13.2	1.00	mg/kg	12.50		106	0-200			
<i>Surrogate: o-Terphenyl</i>	1.86		mg/kg	2.500		74.2	37-142			
Matrix Spike Dup (B809010-MSD1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	12.2	1.00	mg/kg	12.50		97.2	0-200		200	
<i>Surrogate: o-Terphenyl</i>	1.79		mg/kg	2.500		71.7	37-142			
<i>Batch B809011 - EPA 3510C</i>										
Blank (B809011-BLK1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	U	0.500	mg/L							U
<i>Surrogate: o-Terphenyl</i>	0.0287		mg/L	0.05000		57.5	37-142			
LCS (B809011-BS1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	0.539	0.500	mg/L	0.5000		108	60-120			
<i>Surrogate: o-Terphenyl</i>	0.0406		mg/L	0.05000		81.3	37-142			
Matrix Spike (B809011-MS1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	0.284	0.500	mg/L	0.2500		114	40-155			I
<i>Surrogate: o-Terphenyl</i>	0.0347		mg/L	0.05000		69.4	37-142			
Matrix Spike Dup (B809011-MSD1) Prepared: 09/03/08 Analyzed: 09/04/08										
FLPRO Total	0.253	0.500	mg/L	0.2500		101	40-155		30	I
<i>Surrogate: o-Terphenyl</i>	0.0309		mg/L	0.05000		61.9	37-142			
Metals by EPA 6000/7000 Series Methods - Quality Control										
<i>Batch B809001 - NO PREP</i>										
Blank (B809001-BLK1) Prepared: 09/01/08 Analyzed: 09/03/08										
Lead	U	0.005	mg/L							U
LCS (B809001-BS1) Prepared: 09/01/08 Analyzed: 09/03/08										
Lead	0.093	0.005	mg/L	0.1000		92.7	80-120			
Duplicate (B809001-DUP1) Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08										
Lead	U	0.005	mg/L						20	U



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LOG #: 0004954
COC#: 7898
REPORTED: 9/11/2008 12:28:37PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Matrix Spike (B809001-MS1)		Source: 0004950-02		Prepared: 09/01/08		Analyzed: 09/03/08	
Lead	0.018	0.005	mg/L	0.02000	92.5	70-130	
Matrix Spike Dup (B809001-MSD1)		Source: 0004950-02		Prepared: 09/01/08		Analyzed: 09/03/08	
Lead	0.019	0.005	mg/L	0.02000	95.5	70-130	3.19 25



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit

APPENDIX M2
SAINT CLOUD ANNEX



Palm Beach Environmental
Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #:0004955

September 16, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

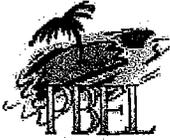
- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004955
COC#: 7897
REPORTED: 9/16/2008 4:52:39PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: SA-SB3(0-2)	Lab ID: 0004955-01	Sampled: 08/27/08 11:50
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/30/08 10:30

EPA 8151 List

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
75-99-0	Dalapon	0.19	U	mg/kg	EPA 8151	1	0.19	0.76	09/09/08	09/15/08	SL
1918-00-9	Dicamba	0.03	U	mg/kg	EPA 8151	1	0.03	0.11	09/09/08	09/15/08	SL
7085-19-0	MCPP	0.49	U	mg/kg	EPA 8151	1	0.49	2.00	09/09/08	09/15/08	SL
94-74-6	MCPA	0.46	U	mg/kg	EPA 8151	1	0.46	1.80	09/09/08	09/15/08	SL
120-36-5	Dichloroprop	0.03	U	mg/kg	EPA 8151	1	0.03	0.12	09/09/08	09/15/08	SL
94-75-7	2,4-D	0.04	U	mg/kg	EPA 8151	1	0.04	0.17	09/09/08	09/15/08	SL
93-72-1	2,4,5-TP (Silvex)	0.15	U	mg/kg	EPA 8151	1	0.15	0.60	09/09/08	09/15/08	SL
93-76-5	2,4,5-T	0.03	U	mg/kg	EPA 8151	1	0.03	0.11	09/09/08	09/15/08	SL
94-82-6	2,4-DB	0.05	U	mg/kg	EPA 8151	1	0.05	0.20	09/09/08	09/15/08	SL
88-85-7	Dinoseb	0.04	U	mg/kg	EPA 8151	1	0.04	0.15	09/09/08	09/15/08	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	2.02		mg/kg dry	EPA 6020B	1	0.003	0.22	09/03/08	09/03/08	MH

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



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LOG #: 0004955
COC#: 7897
REPORTED: 9/16/2008 4:52:39PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-3	Lab ID: 0004955-02	Sampled: 08/27/08 13:00
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/30/08 10:30

EPA 8151 List

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
75-99-0	Dalapon	0.19	U	mg/kg	EPA 8151	1	0.19	0.76	09/09/08	09/15/08	SL
1918-00-9	Dicamba	0.03	U	mg/kg	EPA 8151	1	0.03	0.11	09/09/08	09/15/08	SL
7085-19-0	MCPP	0.49	U	mg/kg	EPA 8151	1	0.49	2.00	09/09/08	09/15/08	SL
94-74-6	MCPA	0.46	U	mg/kg	EPA 8151	1	0.46	1.80	09/09/08	09/15/08	SL
120-36-5	Dichloroprop	0.03	U	mg/kg	EPA 8151	1	0.03	0.12	09/09/08	09/15/08	SL
94-75-7	2,4-D	0.04	U	mg/kg	EPA 8151	1	0.04	0.17	09/09/08	09/15/08	SL
93-72-1	2,4,5-TP (Silvex)	0.15	U	mg/kg	EPA 8151	1	0.15	0.60	09/09/08	09/15/08	SL
93-76-5	2,4,5-T	0.03	U	mg/kg	EPA 8151	1	0.03	0.11	09/09/08	09/15/08	SL
94-82-6	2,4-DB	0.05	U	mg/kg	EPA 8151	1	0.05	0.20	09/09/08	09/15/08	SL
88-85-7	Dinoseb	0.04	U	mg/kg	EPA 8151	1	0.04	0.15	09/09/08	09/15/08	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	2.92		mg/kg dry	EPA 6020B	1	0.004	0.26	09/03/08	09/03/08	MH

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	78.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



Palm Beach Environmental
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LOG #: 0004955
COC#: 7897
REPORTED: 9/16/2008 4:52:39PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: SA-WP1	Lab ID: 0004955-03	Sampled: 08/27/08 12:05
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/30/08 10:30

EPA 8151 List

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
75-99-0	Dalapon	0.120	U	ug/L	EPA 8151	1	0.120	0.480	09/03/08	09/15/08	SL	
1918-00-9	Dicamba	0.340	U	ug/L	EPA 8151	1	0.340	1.40	09/03/08	09/15/08	SL	
94-75-7	2,4-D	0.450	U	ug/L	EPA 8151	1	0.450	1.80	09/03/08	09/15/08	SL	
94-82-6	2,4-DB	0.200	U	ug/L	EPA 8151	1	0.200	0.800	09/03/08	09/15/08	SL	
120-36-5	Dichloroprop	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
88-85-7	Dinoseb	0.160	U	ug/L	EPA 8151	1	0.160	0.640	09/03/08	09/15/08	SL	
94-74-6	MCPA	0.350	U	ug/L	EPA 8151	1	0.350	1.40	09/03/08	09/15/08	SL	
7085-19-0	MCPP	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
93-76-5	2,4,5-T	0.140	U	ug/L	EPA 8151	1	0.140	0.560	09/03/08	09/15/08	SL	
93-72-1	2,4,5-TP (Silvex)	0.440	U	ug/L	EPA 8151	1	0.440	1.80	09/03/08	09/15/08	SL	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.0004	U	mg/L	EPA 6020B	1	0.0004	0.005	09/01/08	09/03/08	MH	



Palm Beach Environmental
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LOG #: 0004955
COC#: 7897
REPORTED: 9/16/2008 4:52:39PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-4	Lab ID: 0004955-05	Sampled: 08/27/08 13:45
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/30/08 10:30

EPA 8151 List

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
75-99-0	Dalapon	0.120	U	ug/L	EPA 8151	1	0.120	0.480	09/03/08	09/15/08	SL	
1918-00-9	Dicamba	0.340	U	ug/L	EPA 8151	1	0.340	1.40	09/03/08	09/15/08	SL	
94-75-7	2,4-D	0.450	U	ug/L	EPA 8151	1	0.450	1.80	09/03/08	09/15/08	SL	
94-82-6	2,4-DB	0.200	U	ug/L	EPA 8151	1	0.200	0.800	09/03/08	09/15/08	SL	
120-36-5	Dichloroprop	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
88-85-7	Dinoseb	0.160	U	ug/L	EPA 8151	1	0.160	0.640	09/03/08	09/15/08	SL	
94-74-6	MCPA	0.350	U	ug/L	EPA 8151	1	0.350	1.40	09/03/08	09/15/08	SL	
7085-19-0	MCPP	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
93-76-5	2,4,5-T	0.140	U	ug/L	EPA 8151	1	0.140	0.560	09/03/08	09/15/08	SL	
93-72-1	2,4,5-TP (Silvex)	0.440	U	ug/L	EPA 8151	1	0.440	1.80	09/03/08	09/15/08	SL	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.0004	U	mg/L	EPA 6020B	1	0.0004	0.005	09/01/08	09/03/08	MH	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004955
COC#: 7897
REPORTED: 9/16/2008 4:52:39PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1)				Prepared: 09/01/08 Analyzed: 09/02/08						
Arsenic	U	0.005	mg/L			U				
LCS (B809001-BS1)				Prepared: 09/01/08 Analyzed: 09/02/08						
Arsenic	0.097	0.005	mg/L	0.1000	96.6		85-115			
Duplicate (B809001-DUP1)				Prepared: 09/01/08 Analyzed: 09/03/08						
Arsenic	U	0.005	mg/L	U				20	U	
Matrix Spike (B809001-MS1)				Prepared: 09/01/08 Analyzed: 09/03/08						
Arsenic	0.018	0.005	mg/L	0.02000	U		90.0		75-125	
Matrix Spike Dup (B809001-MSD1)				Prepared: 09/01/08 Analyzed: 09/03/08						
Arsenic	0.016	0.005	mg/L	0.02000	U		82.5	75-125	8.70	25

Batch B809008 - NO PREP

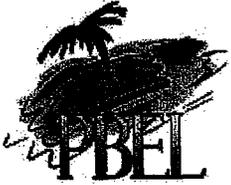
Blank (B809008-BLK1)				Prepared & Analyzed: 09/03/08						
Arsenic	U	0.20	mg/kg wet			U				
LCS (B809008-BS1)				Prepared & Analyzed: 09/03/08						
Arsenic	0.098	0.20	mg/kg wet	0.1000	97.9		70-130		J	
Duplicate (B809008-DUP1)				Prepared & Analyzed: 09/03/08						
Arsenic	U	0.23	mg/kg dry					20	U	
Matrix Spike (B809008-MS1)				Prepared & Analyzed: 09/03/08						
Arsenic	0.581	0.23	mg/kg dry	0.6977	83.3		70-130			
Matrix Spike Dup (B809008-MSD1)				Prepared & Analyzed: 09/03/08						
Arsenic	0.488	0.23	mg/kg dry	0.6977	70.0		70-130	17.4	25	



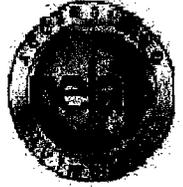
Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit



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Laboratories Inc.



Ed Leding
URS Corporation
Boca Raton, FL 33487
(561) 994-6500
LOG #:0004956

September 16, 2008

Enclosed is the laboratory report for your project. All results meet the requirements of the NELAC standards.

Please note the following:

- (1) The samples were received as stated on the chain of custody, correctly labeled and at the proper temperature unless otherwise noted. The results contained in this report relate only to the items tested or to the samples as received by the laboratory.
- (2) This report may not be reproduced except in full, without the written approval of the laboratory. Any anomalies are noted in the case narrative.
- (3) Results for all solid matrices are reported in dry weight unless otherwise noted.
- (4) Results for all liquid matrices are analyzed as received in the laboratory unless otherwise noted.
- (5) Samples are disposed of within 30 days of their receipt by the laboratory.
- (6) A statement of Qualifiers is available upon request.
- (7) Certain analyses are subcontracted to outside NELAC certified laboratories and are designated on your report.
- (8) Precision & Accuracy will be provided when clients require a measure of estimated uncertainty.
- (9) The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report Preliminary Data should not be used for regular purposes. Authorized signature(s) is provided on final report only

Please contact me if you have any questions or concerns regarding this report.

Sincerely,

Pamela Shore
QA Officer

EPA # FL01227
HRS# E86957
SFWMD# 48141
PBC # VC0000018083



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
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ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004956
COC#: 7896
REPORTED: 9/16/2008 4:47:40PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: CSB-PW1	Lab ID: 0004956-01	Sampled: 08/27/08 10:30
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/30/08 10:30

EPA 8151 List

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
75-99-0	Dalapon	0.120	U	ug/L	EPA 8151	1	0.120	0.480	09/03/08	09/15/08	SL	
1918-00-9	Dicamba	0.340	U	ug/L	EPA 8151	1	0.340	1.40	09/03/08	09/15/08	SL	
94-75-7	2,4-D	0.450	U	ug/L	EPA 8151	1	0.450	1.80	09/03/08	09/15/08	SL	
94-82-6	2,4-DB	0.200	U	ug/L	EPA 8151	1	0.200	0.800	09/03/08	09/15/08	SL	
120-36-5	Dichloroprop	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
88-85-7	Dinoseb	0.160	U	ug/L	EPA 8151	1	0.160	0.640	09/03/08	09/15/08	SL	
94-74-6	MCPA	0.350	U	ug/L	EPA 8151	1	0.350	1.40	09/03/08	09/15/08	SL	
7085-19-0	MCPP	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
93-76-5	2,4,5-T	0.140	U	ug/L	EPA 8151	1	0.140	0.560	09/03/08	09/15/08	SL	
93-72-1	2,4,5-TP (Silvex)	0.440	U	ug/L	EPA 8151	1	0.440	1.80	09/03/08	09/15/08	SL	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.0004	U	mg/L	EPA 6020B	1	0.0004	0.005	09/01/08	09/03/08	MH	



Palm Beach Environmental
Laboratories Inc.

CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487
ATTN: Ed Leding
PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004956
COC#: 7896
REPORTED: 9/16/2008 4:47:40PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: DUP-1	Lab ID: 0004956-03	Sampled: 08/27/08 12:00
Matrix: Water	Sampled By: Jamie Sullivan	Received: 08/30/08 10:30

EPA 8151 List

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
75-99-0	Dalapon	0.120	U	ug/L	EPA 8151	1	0.120	0.480	09/03/08	09/15/08	SL	
1918-00-9	Dicamba	0.340	U	ug/L	EPA 8151	1	0.340	1.40	09/03/08	09/15/08	SL	
94-75-7	2,4-D	0.450	U	ug/L	EPA 8151	1	0.450	1.80	09/03/08	09/15/08	SL	
94-82-6	2,4-DB	0.200	U	ug/L	EPA 8151	1	0.200	0.800	09/03/08	09/15/08	SL	
120-36-5	Dichloroprop	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
88-85-7	Dinoseb	0.160	U	ug/L	EPA 8151	1	0.160	0.640	09/03/08	09/15/08	SL	
94-74-6	MCPA	0.350	U	ug/L	EPA 8151	1	0.350	1.40	09/03/08	09/15/08	SL	
7085-19-0	MCPP	0.400	U	ug/L	EPA 8151	1	0.400	1.60	09/03/08	09/15/08	SL	
93-76-5	2,4,5-T	0.140	U	ug/L	EPA 8151	1	0.140	0.560	09/03/08	09/15/08	SL	
93-72-1	2,4,5-TP (Silvex)	0.440	U	ug/L	EPA 8151	1	0.440	1.80	09/03/08	09/15/08	SL	

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction</u>		<u>Analysis</u>	
									<u>Date</u>	<u>Date</u>	<u>Analyst</u>	
7440-38-2	Arsenic	0.0004	U	mg/L	EPA 6020B	1	0.0004	0.005	09/01/08	09/03/08	MH	



CERTIFICATE OF ANALYSIS

URS Corporation
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ATTN: Ed Leding
PHONE: (561) 994-6500 **FAX:** (561) 994-6524

LOG #: 0004956
COC#: 7896
REPORTED: 9/16/2008 4:47:40PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Description: CSB-SB1(0-2)	Lab ID: 0004956-05	Sampled: 08/27/08 11:30
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/30/08 10:30

EPA 8151 List

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
75-99-0	Dalapon	0.19	U	mg/kg	EPA 8151	1	0.19	0.76	09/09/08	09/15/08	SL
1918-00-9	Dicamba	0.03	U	mg/kg	EPA 8151	1	0.03	0.11	09/09/08	09/15/08	SL
7085-19-0	MCPP	0.49	U	mg/kg	EPA 8151	1	0.49	2.00	09/09/08	09/15/08	SL
94-74-6	MCPA	0.46	U	mg/kg	EPA 8151	1	0.46	1.80	09/09/08	09/15/08	SL
120-36-5	Dichloroprop	0.03	U	mg/kg	EPA 8151	1	0.03	0.12	09/09/08	09/15/08	SL
94-75-7	2,4-D	0.04	U	mg/kg	EPA 8151	1	0.04	0.17	09/09/08	09/15/08	SL
93-72-1	2,4,5-TP (Silvex)	0.15	U	mg/kg	EPA 8151	1	0.15	0.60	09/09/08	09/15/08	SL
93-76-5	2,4,5-T	0.03	U	mg/kg	EPA 8151	1	0.03	0.11	09/09/08	09/15/08	SL
94-82-6	2,4-DB	0.05	U	mg/kg	EPA 8151	1	0.05	0.20	09/09/08	09/15/08	SL
88-85-7	Dinoseb	0.04	U	mg/kg	EPA 8151	1	0.04	0.15	09/09/08	09/15/08	SL

Metals by EPA 6000/7000 Series Methods

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
7440-38-2	Arsenic	0.68		mg/kg dry	EPA 6020B	1	0.003	0.22	09/03/08	09/03/08	MH

Percent Dry Weight

<u>CAS #</u>	<u>Parameter</u>	<u>Results</u>	<u>Q</u>	<u>Units</u>	<u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Extraction Analysis</u>		<u>Analyst</u>
									<u>Date</u>	<u>Date</u>	
NA	% Solids	91.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH



CERTIFICATE OF ANALYSIS

URS Corporation
7800 Congress Ave Suite 200
Boca Raton, FL 33487

LOG #: 0004956
COC#: 7896
REPORTED: 9/16/2008 4:47:40PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

ATTN: Ed Leding

PHONE: (561) 994-6500 **FAX:** (561) 994-6524

Description: DUP-2	Lab ID: 0004956-06	Sampled: 08/27/08 12:45
Matrix: Soil	Sampled By: Jamie Sullivan	Received: 08/30/08 10:30

EPA 8151 List

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
75-99-0	Dalapon	0.19	U	mg/kg	EPA 8151	1	0.19	0.76	09/09/08	09/15/08	SL	
1918-00-9	Dicamba	0.03	U	mg/kg	EPA 8151	1	0.03	0.11	09/09/08	09/15/08	SL	
7085-19-0	MCPP	0.49	U	mg/kg	EPA 8151	1	0.49	2.00	09/09/08	09/15/08	SL	
94-74-6	MCPA	0.46	U	mg/kg	EPA 8151	1	0.46	1.80	09/09/08	09/15/08	SL	
120-36-5	Dichloroprop	0.03	U	mg/kg	EPA 8151	1	0.03	0.12	09/09/08	09/15/08	SL	
94-75-7	2,4-D	0.04	U	mg/kg	EPA 8151	1	0.04	0.17	09/09/08	09/15/08	SL	
93-72-1	2,4,5-TP (Silvex)	0.15	U	mg/kg	EPA 8151	1	0.15	0.60	09/09/08	09/15/08	SL	
93-76-5	2,4,5-T	0.03	U	mg/kg	EPA 8151	1	0.03	0.11	09/09/08	09/15/08	SL	
94-82-6	2,4-DB	0.05	U	mg/kg	EPA 8151	1	0.05	0.20	09/09/08	09/15/08	SL	
88-85-7	Dinoseb	0.04	U	mg/kg	EPA 8151	1	0.04	0.15	09/09/08	09/15/08	SL	

Metals by EPA 6000/7000 Series Methods

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
7440-38-2	Arsenic	1.30		mg/kg dry	EPA 6020B	1	0.003	0.22	09/03/08	09/03/08	MH	

Percent Dry Weight

CAS #	Parameter	Results	Q	Units	Method	DF	MDL	PQL	Extraction		Analysis	
									Date	Date	Date	Analyst
NA	% Solids	90.0		%	Calculation	1	1.0	1.0	09/02/08	09/02/08	MH	



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URS Corporation
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PHONE: (561) 994-6500**FAX:** (561) 994-6524

LOG #: 0004956
COC#: 7896
REPORTED: 9/16/2008 4:47:40PM
PROJECT #: 38617-185
PROJECT: Kissimmee Field Station

Analyte	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch B809001 - NO PREP

Blank (B809001-BLK1)			Prepared: 09/01/08 Analyzed: 09/02/08							
Arsenic	U	0.005	mg/L							U
LCS (B809001-BS1)			Prepared: 09/01/08 Analyzed: 09/02/08							
Arsenic	0.097	0.005	mg/L	0.1000		96.6	85-115			
Duplicate (B809001-DUP1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Arsenic	U	0.005	mg/L		U				20	U
Matrix Spike (B809001-MS1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Arsenic	0.018	0.005	mg/L	0.02000	U	90.0	75-125			
Matrix Spike Dup (B809001-MSD1)			Source: 0004950-02 Prepared: 09/01/08 Analyzed: 09/03/08							
Arsenic	0.016	0.005	mg/L	0.02000	U	82.5	75-125	8.70	25	

Batch B809008 - NO PREP

Blank (B809008-BLK1)			Prepared & Analyzed: 09/03/08							
Arsenic	U	0.20	mg/kg wet							U
LCS (B809008-BS1)			Prepared & Analyzed: 09/03/08							
Arsenic	0.098	0.20	mg/kg wet	0.1000		97.9	70-130			J
Duplicate (B809008-DUP1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Arsenic	U	0.23	mg/kg dry						20	U
Matrix Spike (B809008-MS1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Arsenic	0.581	0.23	mg/kg dry	0.6977		83.3	70-130			
Matrix Spike Dup (B809008-MSD1)			Source: 0004948-01 Prepared & Analyzed: 09/03/08							
Arsenic	0.488	0.23	mg/kg dry	0.6977		70.0	70-130	17.4	25	



Palm Beach Environmental
Laboratories Inc.

Notes and Definitions

- U Analyte included in the analysis, but not detected
- I The reported value is between the laboratory Method Detection Limit & the laboratory Practical Quantitation Limit

APPENDIX N

BUDGETARY ESTIMATES OF ADDITIONAL ASSESSMENT ACTIVITIES

APPENDIX N2
SAINT CLOUD ANNEX

APPENDIX N
COST ESTIMATES
Saint Cloud Annex
4175 Edsel Avenue
Saint Cloud, Osceola County, Florida
South Florida Water Management District
Job # 38617-185

TASKS	URS Costs	Number	Subcontractor Costs				TASK TOTAL	
			Subcontractor		Laboratory(a)			
			Unit Cost	Number	Unit Cost	Number		
Additional Arsenic Evaluation	\$ 2,250	10	soil borings	\$ 10	10	soil	20	\$ 2,350
Reporting	\$ 1,400							\$ 1,400
Subtotal	\$ 3,650			100			200.00	
	<i>Handling @ 5%</i>							\$ 15.00
PROJECT TOTAL								3,965.00