

South Florida Water Management District Regulation Division - Everglades Regulation Bureau

Everglades Web Data Submittal System EWOD



User's Manual

Water Quality and Hydrologic Data Management Chapter 40E-63, F.A.C. Everglades Works of the District (EWOD)

Version 2.1 – March 2012

Everglades Web Data Submittal System EWOD

User's Manual

Version 2.0 march 2012

South Florida Water Management District Everglades Regulation Bureau Regulation Division 3301 Gun Club Road West Palm Beach, FL 33406

Phone (561) 686-8800

For Contact Information go to the EWOD website: <u>http://my.sfwmd.gov/ewodweb/</u>

Table of Contents

INTR	ODUCTION	1
I. N	INIMUM COMPUTER REQUIREMENT	1
II.	REQUIRED KNOWLEDGE AND TOOLS	1
III.	USING EWOD ONLINE SUBMITTAL SYSTEM	2
1)	Login	2
2)	Manually enter a new sample period:	3
a	. SCREEN #2.0 – New Sample Period	5
b	. SCREEN #2.0 – Sample/Laboratory Information	5
c.	. SCREEN #2.1 – Comment field:	6
d	. SCREEN #2.1 - Definition	7
e.	. SCREEN #2.1 - Making Changes /Edits	7
3)	Upload a sample file	8
4)	Notify SFWMD that you have submitted EAA Water Quality data	9
5)	View Instructions	10
6)	Download Sample Upload File	10
Appen	udix A	12

INTRODUCTION

The Everglades Works of The District (EWOD) on-line water quality data submittal system has been created to offer data providers an option for a more efficient and accommodating data submittal method. Utilizing the latest in IT technology, the goal is to provide permittees the ability to streamline the data submittal process using the internet and to improve the quality of data submittals by reducing errors as well as reduce the amount of time it takes to upload data to the Everglades Agricultural Area (EAA) regulatory database. The system gives the data provider two ways of submitting their data:

- Manually enter the data via the web.
- Upload an existing file (Electronic Data Deliverable using a comma-separated values or "CSV" file format) via the web.

The system involves the use of the internet to web enable data submittals and offers data providers a view, edit, and delete widows for effective management of the submitted data. At the same time, data providers will continue to have the option of submitting data in the original database file (.dbf) format.

The EWOD Web Based Data Submittal system will be used by the public and some South Florida Water Management District (District) employees to enter data and then to commit that data to the District databases (District employee).

I. MINIMUM COMPUTER REQUIREMENT

The minimum hardware and software requirements needed to operate this WEB based application are:

- User must have a PC
- Access to the Internet with a WEB browser e.g. Internet Explorer installed on it
- Software to generate a CSV formatted output file such as MS EXCEL

II. REQUIRED KNOWLEDGE AND TOOLS

User should be familiar with Web-based application. It is assumed that the users have Internet accessibility and can perform the following task: Log in using username and password, Edit, Enter Data, Click, Cancel and Exit the System. The new web data submittal system is available to the end user via one of the Districts web portals.

III. USING EWOD ONLINE SUBMITTAL SYSTEM

1) <u>Login</u>

Internet Explorer→web portal→Login

- Open Internet browser (such as Internet Explorer)
- On the address bar type <u>http://my.sfwmd.gov/ewodweb/</u>
- If you are an existing user click on "Existing User"
 - If not clinking on "New User" will allow you to send a user Id and password request to the administrator. Please include the structures you are responsible for in the email request.
- Enter your username and password in this screen.(figure 1.1)

SCREEN # 0.0-Login Screen

🖉 EWOD - Welcome - Microsoft Internet Explorer provided by SFWMD	
🚱 🕞 🖉 http://my.sfwmd.gov/portal/page/portal/pg_grp_ewodapp/pg_ewod_welcome 🔮 🚱 🔀 Google	• ٩
Ele Edit View Favorites Iools Help	
🖕 Favorites 🛛 🖕 📕 MeetingPlace - Attend 🙋 Customize Links 🙋 Web Slice Gallery 🔹 🙋 Free Hotmail	
🔡 🔻 🍘 My District Home Page 🦉 EWOD - Welcome 🛛 🖈 🖸 🖶 🖉 Page	⋆ Safety ⋆ Tools ⋆ Q ⋆ [™]
	~
Logout	
Everglades Works of the District (EWOD) CHAPTER 40E-63 WATER QUALITY DATA SUBMITTAL PROGRAM Welcome to the EWOD portal. This on-line water quality data submittal system was created to offer data providers an alternative, more interactive method for providing their information than was available when dbf files are submitted via email or regular postal mail.	
The system gives the data provider two ways to submit their data:	
 Manually enter the data and submit it via the web. Upload an existing file (CSV file format) and submit it via the web. 	
This portal allows data providers to more effectively submit as well as manage their data by offering view, edit, and delete windows for submitted data.	
At the same time, data providers will continue the option to continue to submit their data in the original .dbf file format.	
You must be a registered user to access this application. If you are having difficulty logging into the EWOD system or accessing the User Guide, you may not be a registered user. Please contact Doug Pescatore at (561) 682-6021 or by email at dpescat@sfwmd.gov to register. You may use the same contact information for questions or comments about the EWOD portal.	
Click here for the User Guide	
New Users Existing Users	
Done 😌 Internet	🖌 🗸 🕰 100% 🔻 💡

(Figure 1.1)

After successful login, you will see the main screen; screen # 1 (Figure 1.2). In this screen, there are six options to choose from:

- 1. Manually enter a new sample period
- 2. Upload a sample file
- 3. Click here to notify SFWMD that you have submitted EAA WQ data
- 4. View instructions
- 5. Download sample file
- 6. User Manual

SCREEN # 1.0 - Main Screen

EWOD Main Page - Microsoft Internet Explorer provided by SFWMD	
Ele Edit View Favorites Iools Help	
C C C C C C C C C C C C C C C C C C C	
Agáress 🍓 http://my.sfwmd.gov/portal/page?_pageid=394,9361388_dad=portal8_schema=PORTAL	💌 🄁 Go
SOUTH FLORIDA WATER MANAGEMENT DISTRICT	~
Everalades Works Of The District	
CHAPTER 40E-63	
WATER QUALITY DATA SUBMITTAL PROGRAM	
Logaut	
Please select from one of the options below or click on one of the period entries to review and update sample information.	
 Mahuany energia new sample period Opload a sample file 	
Click here to notify SHWMD that you have submitted EAA WQ data. View instructions	
Download sample upload file format (in Excel) User Manual	
Filter by date submitted:	
From Date: 01/12/2008 select (mm/dd/yyyy)	
To Date: 02/12/2008 select (mm/dd/yyyy)	
Permit #:	
Structure: All Structures 🗠	
Status: all V Go All	
Click on a sample period below to review details:	
Delete 📄 Date Submitted Permit # Start Date Pickup Date # Days Analysis Date TP Structure ID Device Code	
Delete Print	
	Internet
Vad	

(Figure 1.2)

2) Manually enter a new sample period:

- In the main screen (Figure 1.2) click on 'Manually enter new sample period'. This will take you to the screen #2.0, (Figure 1.3). This screen allows entering all the required information to create a new sample period.
- Enter a permit Number.
- Choose a Structure ID from the dropdown field.
- Enter a Pickup Date. NOTE: The start date should be defaulted to the day after the pickup date of the last transaction recorded. The Pickup Date and the Start Date must less than 25 days apart (Sampler period 1 to 24 days long)

- Enter an analysis date. NOTE: analysis date has to be greater than the pickup date which must be greater than the start date.
- Choose the lab Certification No. from the dropdown field.
- Enter the Lab Sample ID. NOTE: if a Lab Sample ID is not entered it will ask you to confirm if you want to proceed without the Sample ID information.
- Enter the Total Phosphorus concentration (TP). NOTE: TP Concentration has to be a value between 0 to 100.
- After you click save, you will see the screen #2.1, (figure 1.4) At this point you can add, change or verify the data. You can click add another period by clicking "save and add new period" button.
- After entering another period click save to return to the main menu.

Screen #1 also allows retrieving data filtered by submitted date, permit #, structure ID, and status.

e Edit View Favorites Tools Help		
G. O. N R &	🔥 🔎 🚖 🐵 💩 🔟	
ack Forward Stop Refresh Print	Home Search Favorites History Mail Edit	
ress 🗃 http://my.sfwmd.gov/portal/page?_pageid=39	4,9361388_dad=portal8_schema=PORTAL	~
and	Everglades Works Of The District CHAPTER 40E-63 WATER QUALITY DATA SUBMITTAL PROGRAM Logout	
	Logout	
Click here to notify SrWMD that you have View instructions Deveload sample valued file format (in Ex-	submitted EAA wQ data.	
Lick here to notry serverul that you have View instructions Download sample upload file format (in Ex User Manual	ee)	
Culles net standard a wind unak you nave Comindad simple upload file format (in Ex- Comindad simple upload simple	ee)	
Union met stander S while the you have Sownload sample upload file format (in Ex- User Manual Filter by date submitted: From Date: 01/12/2008 select (mm/dd/y) To Date: 02/12/2008 select (mm/dd/y)	ee) yy) yy)	
Vice interface of a second of the you have Vice interface of the you have Vice interface of the operation of the	ee) 	
Printer by date submitted: From Date: 02/12/2008 select (mm/dd/y) Permit 5: Structure: All Structures Y Fate u u u u u u u u u u u u u u u u u u u	ee) 	
Vice Index Standor - S VMD Unity You have Vice Index Standor - S VMD Unity You have Vice I Vice Vice I Vice I Vice	ee) 	
Vice interfact and a sympl they you have Vice interfact and a sympl they you have Vice interfact and the symple upload file format (in Ex- Vice Manual From Date: 01/12/2008 select (mm/dd/y) Permit #: Vice All Structures Structure: All Structures Status: all v Co All	ee) '''''''''''''''''''''''''''''''''''	
	ce) vv) vv) tatis:	
	es) vv) vv) vv) stalis: * Start Date Pickup Date # Days Analysis Date TP Structure ID Device Code	
	ee) 	
Filter by date submitted: From Date: [0]/12/2008 select (mm/dd/y) To Date: [0]/12/2008 select (mm/dd/y) Permit 5: Structure: All Structures V Status: all V Ge All	ed) 	
Vice net Bank and a sample upload file format (in Ex- Download Sample upload file format (in Ex- Structure: All Structures V Status: all V Co All litek on a sample percerbedor to review do Delete Print	ed) yy) yy) yy) stalis: # Start Date Pickup Date # Days Analysis Date TP Structure ID Device Code	

EWOD_PERIOD_EDIT - Micro	osoft Internet Explorer provided by SFWAD	
Ele Edit View Favorites Too	ols Help	A.
Back Forward Stop	2 & Constant Print Home Search Favorites History Mail Edit	
Address 🕘 http://my.sfwmd.gov/por	vrtal/page?_pageid=394,9361488_dad=portal8_schema=PORTAL8act=new8period_id=0	💌 🔁 Go
	Everglades Works Of The District CHAPTER 40E-63 WATER QUALITY DATA SUBMITTAL PROGRAM	
Return to main menu Print Vie Please note that if TP is gre	iew eater than zero, all fields are required (except comments).	
Submitter Name:	test_ewod_user	
Submitter E-mail:	test_ewod_user	
Permit Number:	50-00081-E	
Structure ID:	EXAMPLE 💌	
Device Code:	ASSC ¥	
Start Date:	02/05/2008 select (mm/dd/yyyy)	
Pickup Date:	02/11/2008 select (mm/dd/yyyy)	
Number of Days:	CALCULATED ONCE NEW PERIOD IS SAVED	
Analysis Date:	02/11/2008 select (mm/dd/yyyy)	
Lab Certification Number:	N/A · Not Available	
Lab Sample ID:	none	
TP Concentration (mg/l):	o	
Comments:		
Save Cancel		8
e		Internet

SCREEN #2.0 - New Sample Period Screen

(Figure: 1.3)

a. <u>SCREEN #2.0 – New Sample Period</u>

Date of Analysis

- 1) Date total phosphorus analysis was <u>completed</u> by the lab.
- 2) The date of Analysis is greater than the *Last date of the Sampling Period*.
- *3)* If the date of Analysis is greater than 28 days then the TP concentration should be reported as missing with comments explaining the reasons.

b. <u>SCREEN #2.0 – Sample/Laboratory Information</u>

- Lab Sample ID: if lab sample Id is not entered then a message will pop up asking if you want to proceed.
- Lab HRS Certification No: Enter Laboratory name from the dropdown list box.
- **Total Phosphorus Concentration** (mg/l): Value range 0.000 to 99.999 where 99.999 is missing value for total phosphorus concentration.
 - Total Phosphorus: Zero vs. Missing Values
 - *A.* 0.000------→ *No discharge occurs during entire sampling period so no sample is drawn.*
 - B. 99.999-----→ <u>Discharge occurs so samples are drawn, but no</u> <u>composite was analyzed because</u>
 - sampler malfunction, not enough sample
 - sampler malfunction, did not turn on

- Operator error. Operator did not turn sampler on, etc. (Enter explanation in the comment field of the first sample date).
- **Device Code (Sample method):** Device Code is four letter codes representing approved sampling method.

GRAB – Manual Grab Sample

FPFW – Flow-Proportional/Flow weighted Auto Sampler

- **TPFW** Time- Proportional/Flow Weighted Auto Sampler
- **TPTW** Time-Proportional/Time Weighted Auto Sampler

			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~					
EWOD_PERIO	D_EDIT - Micros	oft Internet Explorer p	provided by SFWMD					
<u>File Edit V</u> iew	Favorites Tool	s <u>H</u> elp		1				
G . E	vard Stop	2 🍓 Refresh Print I	Home Search Favorites	History Mail	V -			
ddress 🎒 http://	/mv.sfwmd.gov/por	tal/page? pageid=394,9361	48& dad=portal& schema=PORT	AL. id=7226				
Please note that if TP is greater than zero, all fields are required (except comments).								
Submitter Na	ame:	test_ewod_user						
Submitter E-	mail:	test_ewod_user						
Permit Numb	ber:	50-00081-E						
Structure ID	:	EXAMPLE V						
Device C. J.								
Device Code	:	ASSC 💌						
Start Date:		02/05/2008	select (mm/dd/yyyy)					
Pickup Date:		02/11/2008	select (mm/dd/wcsc)					
		02/11/2000	select (mm/dd/yyyy)					
Number of D	ays:	7						
Analysis Dat	e:	02/11/2008	select (mm/dd/yyyy)					
Lab Certifica	tion Number:	N/A - Not Available		*				
Lab Sample ID:								
none								
TP Concentration (mg/l):								
Comments:								
			1	1	1			
Sample Date	Daily Flow (N	IGD) Daily Load (kg)	Daily Rain Fall (inches)	Comments				
02/05/2008	0	0.0	0	L				
02/06/2008	0	0.0	0					
02/07/2008	0	0.0	0					
02/08/2008	0	0.0	0					
02/00/2002	0							
02/09/2008	V	0.0						
02/10/2008	0	0.0	0	l				
02/11/2008	0	0.0	0					
					1			
Save	Save and Add	l New Period	Cancel					
Done								

SCREEN #2.1 - Data Entry Screen

(Figure 1.4)

c. <u>SCREEN #2.1 – Comment field</u>:

Comments are recommended. Enter any comments in the comments field for each day that you feel is necessary, for any general comment or TP associated comments it is recommended that you report it on the first day of the sample period. Examples of the comments which should be entered are:

- Sample below lab detection limit of 0.004 mg/l, so 0.002 mg/l reported.
- Discharge Code.
- Sample bottle overflowed.
- Sampler malfunctioned, no sample taken.

- Data logger malfunctioned, no sample taken.
- Flow data logger malfunctioned
- Flow RPM sensor malfunctioned
- No stage readings were recorded.
- Rain data logger malfunctioned.
- No Rain data was recorded.
- Sample was hit by lighting, temporary grab sample was taken.
- Sampler battery was dead, temporary grab sample was taken.
- Etc.

d. SCREEN #2.1 - Definition

Sample Date --- Calculated Field. The Sample Dates are calculate based on the start sample date and number of days in the sampling period previously entered. **Daily Flow** --- million gallons per day. Values range 0.0 to 999.9 where 999.9 is missing value for flow.

Daily Load --- Calculated field. Daily load is calculated from daily flow and Total Phosphorus Concentration. Value range 0.0 to 9999.9 Where 9999.9 is the missing value code for daily load.

Daily Rain --- Reported in 0.01 inches. Value range 0.00 to 99.99 where 99.99 is the missing value for rainfall.

EXAMPLES:

Daily Flow: Zero vs. Missing Values

- **1.** $0.0 \rightarrow$ No discharge occurs during entire day
- 2. 999.9→ Discharge occurs, but no flow measurement were made because:
 - A. flow recording equipment malfunctioning.
 - B. Operator error, no recording were taken.
 - C. Etc.

Daily Rain: Zero vs. Missing Values

- 3. 0.0 \rightarrow No Rain occurs during entire day
- 4. 99.99→ Rain occurs, but no flow measurement were made because:
 - A. Rain recording equipment malfunctioning.
 - B. Operator error, no recording were taken.
 - C. Etc.

e. SCREEN #2.1 - Making Changes /Edits

Edits and changes can be made within screen # 2.1.

- Daily flow and rain can be changed in this screen.
- Any time a flow data changes, load is auto calculated
- Edits or changes can be made by simply typing over the incorrect information.

3) Upload a sample file

- In the SCREEN #1.0, Main Screen (Figure 1.2) click on 'Upload a sample file'. This will bring up a pop up window as in figure 1.5.
- From this window, click on browse button and upload your sample file. <u>The file must be</u> <u>in .csv format</u> (see Figure A-1, Appendix A).
- A successful upload will return the data to the Main Screen, Screen # 1.0. Click on the Permit No. to view the data.
- An unsuccessful upload will return the error for the specific column (see below): <u>Error uploading file!!!!</u>

Row #0 did not have the correct number of column. Row #3, pickup date: 6/30/2003 is invalid. Must be in mm/dd/yy format If an error occurs please review the error message and correct the file before attempting the

SCREEN #1.0 - (Main Screen) - Upload a Sample File

upload again.

and the	Everglades Works Of The District CHAPTER 40E-63 WATER QUALITY DATA SUBMITTAL PROGRAM
	Logout
ease select from one of the options below Manually enter a new sample period Upload a sample file Click here to notify SFWMD that you View instructbogs Download sample-upload file format	or click on one of the period entries to review and update sample information.
User Manual Filter by date submitted: Erom Date: 01/12/2008 - elemetrices	Please click on the browse button to select a file to upload. Once the file is selected, click upload. If there are any errors, you will be presented with relevant error information and be required to correct the file and try again.
To Date: 02/12/2008 select (mm	(2) you should remove the data from your upload and manually update the data , in the system.
Structure: All Structures V	Upload Close
Status: all V Go All	×
Status: all V Go All	Done Internet

(Figure:1.5)

4) Notify SFWMD that you have submitted EAA Water Quality data

- After you have successfully uploaded a sample file and submitted data to South Florida Water Management District, please notify the District from the SCREEN #1.0 (main Screen) by clicking on 'Notify to SFWMD'.
- A pop up window will come up as in figure 1.6 and enter the date range of the data being submitted and any comment associated with it in the list box. And then click on submit. This will send an email to Everglades Regulation's Staff notifying them of your submittal.

	SOUTH FLORI	DA WATER MANAGEMENT DISTRICT	
		Everglades Works Of The District CHAPTER 40E-63 WATER QUALITY DATA SUBMITTAL PROGRAM	
		Log	jout
Please select from one of th Manually enter a new Upload a sample file Click here to notify S View instructions	e options below or clid v sample period SFWMD that you have	ck on one of the period entries to review and update sample information. submitted EAA WQ data.	
 Download sample up User Manual 	load file format (in E	http://my.sfwmd.gov - Email Message - Microsoft Internet Explorer	
Filter by date submitte	d:	Please enter the date range of data being submitted and any comments:	
From Date: 01/12/2008	3 select (mm/dd/		
To Date: 02/12/2008	3 select (mm/dd/		
Permit #:		Submit	
Structure: All Structu	res 💙		~
Status: all	🔽 Go All 🛛	🔄 Done 🥥 Internet	.::
Click on a sample perioc Print	l below to review de	etails:	
Delete Date	Submitted Permit	t # Start Date Pickup Date # Days Analysis Date TP Structure II) Device Code
Delete Print			

SCREEN #1.0 - (Main Screen) - Notification Screen

(Figure 1.6)

5) View Instructions



SCREEN # 3.0 - View Instructions

6) Download Sample Upload File

A sample excel file can be downloaded for the user to fill out at their convenience.

• In the SCREEN # 1(main Screen) click on the 'Download a sample file' to save to your hard-drive.

A pop up box will be displayed. Click on the 'save' button to download the .xls file. The file will be saved as <u>'sample data file .xls'</u>. *Please note that when this file is populated with data if must be converted to CSV format (see Figure A-1, Appendix A).*



SCREEN #1.0 - (Main Screen) - Download Sample Upload File

(Figure 1.8)

Appendix A

EWOD ELECTRONIC DATA DELIVERABLE FILE

The EWOD Web Submittal System has been designed to accept both manual user input and the upload of Electronic Data Deliverable (EDD's) files written in a CSV (comma-separated values) format. The next several pages provide an overview of the EDD file and format required for the EWOD system.

1. Overview of Comma Separated Values or "CSV" Format

In computers, a CSV (comma-separated values) format contains the values in a table as a series of ASCII (American Standard Code for Information Interchange) text lines organized so that each column value is separated by a comma from the next column's value and each row starts a new line. Here's an example:

Doe,John,944-7077, Johnson, Mary,370-3920, Smith, Abigail,299-3958, (etc.)

A CSV formatted file is a way to collect the data from any table so that it can be conveyed as input to another table-oriented application such as a relational database application. Its simplistic structure, using commas to separate fields of data, makes it especially well suited for data exchanges between computer systems that are not directly connected. The CSV format is also widely accepted and used as a data exchange format for Electronic Data Deliverables (EDD's) files. Many "off-the-shelf" software packages nowadays can read input from or generate output to a CSV formatted file. For instance, many leading spreadsheets, relational database applications, and GIS software packages, can read and write CSV files. A CSV file is also sometimes referred to as a comma delimited flat file.

2. Example of EDD format for EWOD system

There are fourteen fields in the EDD upload file, separated by commas, required by the EWOD system for upload of data. The first line (or row) of the file contains the names of the column headings. Subsequent rows contain the data to upload.

An example EDD file 'sample_data_file.csv' is shown in Figure A-1. In this example, a spreadsheet program has been used to enter data into the 14 required columns for the EDD and the file format has been set to CSV. Note that the commas are not visible in the spreadsheet at this point. Verification of the file format to see the commas (Figure A-2) can be accomplished by using any "off-the-shelf" software that can display flat files (e.g. Textpad, Notepad). Data for a monitored structure is visible in the example. The entries in columns 1 through 8 will be the same for a unique structure corresponding to a given "start date" and "pick update" of the sampling period. Additional columns (9 through 14) contain unique information regarding the daily flow, load, TP sampling method, and any comments regarding the daily information.

Figure A-1. Example image of EDD column format using spreadsheet for data entry ('sample data file.csv')

-	Microsoft Excel	- sample_dat	a_file.csv												Ð	×
🗓 😁 🖬 📮 🗃 💁 🖏 🐇 🖓 🐘 🔍 - ダーク - 🕅 🛞 Σ - 호Ι ΧΙ 🔩 🛄 😡 100% - Θ 💂																
] Eile Edit View	v Insert For	rmat <u>T</u> ools	Data PUR	v5 Windo	w Help 🤅	<u>.</u>						Type a question	for help 🖣	_ 8	×
Ar	dal	- 10 - B	- с п 🗆				.00	1.00 - 25	- A - 🔳							
5																
	[参] 詩·詩·母 《[余] 冬] ◆ [筆] 毘 雯 [泉 @] [braw・ & AutoShapes・ 🔪 🔪 〇 🖂 🧔 ② 💁 🚣 幸 💻 幸 🚇 🗐 💂											ب ا				
1	📴 🛬 🖄 📿 🤏 🖄 🗇 🏷 🖉 🖏 👜 🖤 Reply with Shanges End Review															
	B24 ▼ <i>f</i> ≈															
	A	В	С	D	E	F	G	Н		J	K	L	M	N	0	1
1	PERMIT_NUM	STRUCT_ID	STARTDA'	PICKUPDA	ANALY_D	LAB_CER	LAB_SAM	TOTAL_PH	SAMPLED	DAILY_FL	DAILY_LO	SMPL_	VT RAIN_FAL	COMMEN	rs	- 1
2	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/9/2005	3.2	1.1	TPTW	1.6	TEST		-
3	50-0000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/10/2005	4.3	1.4	TPTW	2	TEST		-
4	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/11/2005	12.8	4.2	TPTW		TEST		-
5	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/12/2005	3.5	1.2	TDDAY	4.4	TEST	-	-
7	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E05450	230662	0.005	2/13/2005	2.2	0.7	TETW		TEOT		-
8	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.005	2/15/2005	72	23.7	TPTW	0	TEST	-	-
q	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.005	2/16/2005		20.7	TPTW		TEST		-
10	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.005	2/17/2005	0	0	TPTW	0	TEST		-
11	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/18/2005	0	0	TPTW	2.3	TEST		1
12	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/19/2005	2.3	0.8	TPTW	12	TEST		
13	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/20/2005	12.5	4.1	TPTW	0	TEST		
14	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/21/2005	78.2	25.7	TPTW	0	TEST		
15	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/22/2005	32	10.5	TPTW	0	TEST		
16	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/23/2005	0	0	TPTW	21.1	TEST		
17	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/24/2005	0	0	TPTW	0	TEST		
18	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/25/2005	0	0	TPTW	0	TEST		
19	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/26/2005	22	7.2	TPTW	0	TEST		_
20	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/27/2005	14	4.6	TPTW	0	TEST		-
21	50-00000-E	L406.6TN01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	2/28/2005	0	0	TPTW	0	TEST		_
22	50-0000-E	L406.61N01	2/9/2005	3/1/2005	3/1/2005	E85458	230662	0.085	3/1/2005	U	U	IPTW	U	TEST		
23		B+														
24	-		•													
20															-	
20																
28																
29																
30																
31																~
H.	♦ ♦ \sample_	_data_file /							<						>	

(Figure A-1)

Figure A-2. Example image of EDD file using a textfile viewer (comma's visible) to depict the CSV format ('sample_data_file.csv')

🔄 TextPad - [Document1 *]	
🔚 File Edit Search View Tools Macros Configure Window Help	- 8 ×
▋`````````````````````````````````````	
FERMIT_NUM.STRUCT_ID.STARTDATE.PICKUPDATE, ANALY_DATE, LAB_CERTNO, LAB_SAMPLE_ID.TOTAL_FHOS.SAMPLI \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/10/2005,4.3,1.4,TPTW,1.6 \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/10/2005,4.3,1.4,TPTW,5.5 \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/11/2005,12.8,4.2,TPTW,5.5 \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/11/2005,3.5,1.2,TPTW,4. \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/14/2005,1.4,4.6,TPTW,0,T \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/16/2005,7.2,2.0,7,TPTW,0,T \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/16/2005,7.2,2.3,7,TPTW,0,T \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/16/2005,0,0,TPTW,0,TEST \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/18/2005,0,0,TPTW,0,TEST \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/18/2005,0,0,TPTW,0,TEST \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/19/2005,2.3,0,8,TPTW,12 \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/21/2005,0,0,TPTW,0,TEST \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/21/2005,2.5,4.1,TPTW,0,T \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0.085,2/22/2005,0,0,TPTW,0,TEST \$0-00000-E.L406.6TN01,2/9/2005,3/1/2005,3/1/2005,E85458,230662,0	EDATH TEST TEST TEST TEST SST TEST TEST TES
	>
22 94 Read Ovr Block Sync Rec Cap	s;

(Figure A-2)

3. Definition of the Fields in the EDD upload file.

There are fourteen fields in the EDD format, separated by commas, required by the EWOD system for upload of data. The columns, in sequential order starting from column 1 and ending with column 14, are discussed below.

PERMIT_NUM: Required entry field. A unique number used to identify an Everglades Work of the District (EWOD) permit. The valid format is "2 digit county code" "- " "5 digit sequence number" "-" "E" (e.g. 50-00000-E).

STRUCT_ID: Required entry field. Represents the unique identifiers for the structure associated with the project (e.g. L406.6TN01)

STARTDATE: Required entry field. The Start date should be defaulted to the pickup date of the last transaction recorded. Date format is "mm/dd/yyyy".

PICKUPDATE: Required entry field. The Pickup date has to be greater than the start date. The Date format is "mm/dd/yyyy". The Pickup Date and the Start Date must less than 25 days apart (Sampler period 1 to 24 days long)

ANALY_DATE: Required entry field. Analysis date has to be greater than the pickup date which must be greater than the start date. It is the date total phosphorus analysis was <u>completed</u> by the lab. The date of Analysis is greater than the *Last date of the Sampling Period*. If the date of Analysis is greater than 28 days then the TP concentration should be reported as missing with comments explaining the reasons.

LAB_CERTNO: Required entry field with any submittal in which flow has occurred and a sample taken. Represents laboratory name

LAB_SAMPLE_ID: Required entry field with any submittal in which a sample is taken.

TOTAL_PHOS: This field represents the data for Total Phosphorous Concentration (TP) as mg/l. There should be a TP result with any submittal in which flow has occurred. If TP is reported as "0" (zero) and there is flow occurring then the data provider needs to be contacted for an explanation. The data is submitted as missing when the data provider input the TP result as "99.999".

SAMPLEDATE: Calculated Field. The Sample Dates are calculate based on the start sample date and number of days in the sampling period previously entered. The date format is "mm/dd/yyyy".

DAILY_FLOW (MGD) : This field represent Flow data. If flow has occurred then it is reported as Million Gallons per Day. Values range 0.0 to 999.9 where 999.9 is missing value for flow. If there is TP value and zero flows through out the sample period, then the data provider should be called for an explanation.

DAILY_LOAD: Calculated field. If flow has occurred then "Load" should be there. Daily load is calculated from daily flow and Total Phosphorus Concentration and reported as kg per day. Value range 0.0 to 9999.9 Where 9999.9 is the missing value code for daily load.

SMPL_MTHD: Required entry field. This field represents the Device Code. Device Code is four letter codes representing approved sampling method.

- $\label{eq:GRAB-Manual Grab Sample} GRAB-Manual Grab Sample$
- **FPFW** Flow-Proportional/Flow weighted Auto Sampler
- TPFW Time- Proportional/Flow Weighted Auto Sampler
- TPTW Time-Proportional/Time Weighted Auto Sampler

RAIN_FALL: Required entry field. Reported in 0.01 inches. Value range 0.00 to 99.99 where 99.99 is the missing value for rainfall. If there is a large amount of flow data is reported and there is no Rainfall data submitted then the data provider should be called for an explanation.

COMMENTS: This field allows the data provider to enter any comments regarding the data submittals. Comments are recommended. Enter any comments in the comments field for each day that you feel is necessary, for any general comment or TP associated comments it is recommended that you report it on the first day of the sample period. Examples of the comments which should be entered are:

- Sample below lab detection limit of 0.004 mg/l, so 0.002 mg/l reported.
- Discharge Code.
- Sample bottle overflowed.
- Sampler malfunctioned, no sample taken.
- Data logger malfunctioned, no sample taken.
- Flow data logger malfunctioned
- Flow RPM sensor malfunctioned
- No stage readings were recorded.
- Rain data logger malfunctioned.
- No Rain data was recorded.
- Sample was hit by lighting, temporary grab sample was taken.
- Sampler battery was dead, temporary grab sample was taken.
- Etc.