Quarterly Meeting of the Technical Oversight Committee

December 18, 2007

Tracey Piccone, P.E.
South Florida Water Management District
EAA Reservoir A-1

- GMP1 - Construction is completed ($10M under budget)
- GMP2 – Rock processing plant start up & testing Nov. 9, 2007.
- GMP3 – Remainder of seepage canal 50% complete.

Everglades Protection Area Tributary Basins
Long-Term Plan for Achieving Water Quality Goals
EAA Reservoir A-1

Rock Processing GMP2

Everglades Protection Area Tributary Basins
Long-Term Plan for Achieving Water Quality Goals
Accomplishments to date:
- Mobilization, and 3 miles initial seepage canal completed and addition of 1 mile of muck removal (GMP 1).
- Rock Mining aggregate production ready to start (GMP 2).
- Remaining work on seepage canal 50% complete (GMP 3).
- Initiated procurement process of pump equipment.

What’s next:
- Continuation of negotiations for embankment construction (GMP 4).
- Pre-purchase pumping equipment-initiated proposal to be advertised next quarter.
Bolles (L-21) Canal Improvements

- Basis of Design Report complete
- Initiating Preliminary Design

Everglades Protection Area Tributary Basins
Long-Term Plan for Achieving Water Quality Goals
Purpose: The development of additional Stormwater Treatment Area (STA) to further improve the quality of water discharging to the Everglades Protection Area (EPA) by assisting with the redistribution of flows and loads to the STA system.

Completed
- Phase 1 – Initial Expansion
- STA-2 Cell 4 (1,902 Acres)

Under Design
- Phase 2 - Build-out
- Compartment B Build-Out (6,722 Acres)
Accomplishments to date:
- Completed Survey work (topographic & boundary)
- Completed Geotechnical Data Collection
- Completed Final Basis of Design Report
- Completed Preliminary Design-Civil Works

What’s next:
- Complete Preliminary Design-Pump Stations
- Complete Intermediate Design-Civil Works

Construction Completion
- Civil Works 2010
- Pump Stations 2011
Purpose: The development of additional Stormwater Treatment Area (STA) to further improve the quality of water discharging to the Everglades Protection Area (EPA) by assisting with the redistribution of flows and loads to the STA system.

Completed
- Phase 1 – Initial Expansion
- STA-5 Flow-way 3 (1,985 Acres)
- STA-6 Section 2 (1,387 Acres)

Under Design
- Phase 2 - Build-out
- Compartment C Build-Out (6,200 Acres)
Compartment C – Phase 2
Compartment C Build-out

Accomplishments to Date:
- Completed Preliminary Survey Work (topographic & boundary)
- Completed Preliminary Geotechnical Data Collection
- Completed Compartment C Watershed Hydraulic Study
- Completed Final Basis of Design Report

What’s Next:
- Complete Preliminary Design-Civil Works
- Complete Preliminary Design-Pump Station

Construction Completion
- Civil Works 2010
- Pump Station 2011
Project Purpose:
Redistribution of flows and loads to optimize the performance of the existing and expanded STAs to improve water quality in the EPA.
EAA RFS Alternative 1
- 40 miles of canal work
- New structure at West Palm Beach Canal
- New structure at Hillsboro Canal
- 1,354 acres of land acquisition

Alternative 1C
- Delete new structure at West Palm Beach Canal
- Delete connection from West Palm Beach Canal to Sam Senter Canal
- New 800 cfs pump station on Ocean Canal
- Improvements to Ocean Canal
- 870 acres of land acquisition

Alternative 1D
- Delete new structure at West Palm Beach Canal
- Delete connection from West Palm Beach Canal to Sam Senter Canal
- No improvements to Hillsboro and Ocean Canals
- New canal from Ocean Canal to Hillsboro Canal
- 1,208 acres of land acquisition
Accomplishments to Date:
- Completed Feasibility Analysis of Alternatives 1C & 1D
- Initiated Preliminary Survey
- Initiated Environmental Sampling Scope of Work Development
- Initiated Preliminary Geotechnical

What’s Next:
- Complete Basis of Design Report
  - Current scheduled completion date: September 2008
STA-1W Rehabilitation Update
STA-1W Pre-Rehab

Everglades Protection Area Tributary Basins
Long-Term Plan for Achieving Water Quality Goals

Cell 2B

Inorganic sediment in Cell 4
Everglades Protection Area Tributary Basins
Long-Term Plan for Achieving Water Quality Goals

Location and Description of Rehab Activities

- **2006:** 800 acres of rice planted.
- **2007:** 470 acres of rice planted and SAV inoculation.
- **2007:** Approximately 150,000 cubic yards of inorganic sediment removed and 350 acres of rice planted.
- **2007:** Approximately 150,000 cubic yards of high TP sediments removed and 800 acres of rice planted.
- **2007:** Construction of the G-248 levee.
STA-1W Post Rehab Conditions

Water column Total Suspended Solids (TSS), SAV coverage, and outflow phosphorus concentrations continue to improve in rehabilitated cells.