

Chapter 2: Permitted Conditions Annual Reports for the Comprehensive Everglades Restoration Plan Regulation Act Projects

Deborah Drum and Stuart Van Horn

ANNUAL REPORTS

For the reporting period, the annual reports for the Comprehensive Everglades Restoration Plan Regulation Act (CERPRA) projects are presented as appendices to this chapter as follows:

- Appendix 2-1: Annual Permit Report for the Picayune Strand Restoration Project, Phase I – Prairie Canal Backfill and Road Removal Component
- Appendix 2-2: Annual Permit Report for the North Palm Beach County – Part 1 Project, L-8 Reservoir
- Appendix 2-3: Annual Permit Report for the Biscayne Bay Coastal Wetlands – L-31 East Culverts

PERMIT INFORMATION UPDATES

BISCAYNE BAY COASTAL WETLAND PROJECT – DEERING ESTATE FLOW-WAY

FDEP Permit No. 0271729-002 (CERPRA)

Permit Title: Biscayne Bay Coastal Wetland Project, Deering Estate Flow-Way

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: Not applicable (Permit 0271729-002 is the first and only permit issued for Deering Estate Flow-Way)

Specific Condition Requiring Annual Report: 27

Issue Date: May 23, 2008

Expiration Date: May 23, 2013

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar and Leslye Waugh

Status

Project construction continued during Water Year 2011 (WY2011) (May 1, 2010–April 30, 2011) and is scheduled to be completed in WY2012. Water quality monitoring as specified in Table 2 of the Florida Department of Environmental Protection (FDEP) CERPRA permit (0271729-002) will be conducted weekly (if water is flowing) by Miami-Dade County Department of Environmental Resources Management following construction completion.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None are needed.

**BISCAYNE BAY COASTAL WETLAND PROJECT –
DEERING ESTATE FLOW-WAY****USACE Permit No. SAJ-2007-39 (IP-AAZ)**

Permit Title: Biscayne Bay Coastal Wetland Project, Deering Estate Flow-Way

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: Not applicable

Specific Condition Requiring Annual Report: 13

Issue Date: December 14, 2009

Expiration Date: December 14, 2014

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar and Leslye Waugh

Status

Refer to the status for the Biscayne Bay Coastal Wetland Project – Deering Estate Flow-way (FDEP permit) provided above. Per Special Condition 13 of the referenced United States Army Corps of Engineers (USACE) permit, the Time Zero hydrological monitoring event will be completed in WY2012. The report will be submitted within 60 days to the USACE and will be available upon request. Annual hydrological monitoring will be conducted for no less than three years once construction is complete.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None are needed.

C-111 SPREADER CANAL, PHASE 1 PROJECT

FDEP Permit No. 293559-001 (CERPRA)

Permit Title: C-111 Spreader Canal, Phase I (Western) Project

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: 293559-002, 293559-003, 293559-004, 293559-005

Specific Condition Requiring Annual Report: 35

Issue Date: October 8, 2009

Expiration Date: October 8, 2014

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar and Leslye Waugh

Status

Aerojet Canal Component

Project construction is scheduled to be completed in WY2012. All earthwork and major structures have been completed. The First Annual C-110 Canal Mitigation Monitoring Report will be completed in September 2011 and will be available upon request.

The permit for the aboveground portion of the Aerojet Extension Canal was modified in March 2010 to reduce the length of the unlined channel approximately 2,000 feet to reduce wetlands impacts and construction costs. The modified channel now connects to the existing Aerojet Canal at the most northern point adjacent to the aquaculture facility. The South Florida Water Management District (District or SFWMD) received Permit Modification Number 293559-005 to remediate the high total phosphorus levels in surface water in the closed-loop section of the Aerojet Canal. The remediation project started in July 2011 and is anticipated to be completed in WY2012.

Pump Station S-199 and S-200 Components

Project construction is scheduled for completion in WY2012. All earthwork and major components are complete at this time.

Frog Pond Component

Project construction was completed on June 30, 2011. To verify the adequacy of soil remediation activities, start-up monitoring is planned to be conducted once operations commence. Exotic vegetation, including Brazilian pepper (*Schinus terebinthifolius*) and shoebuttan ardisia (*Ardisia elliptica*), were treated within the tree preservation area in July 2011.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None are needed.

C-111 SPREADER CANAL PHASE 1 (WESTERN) PROJECT

USACE Permit No. 2005-9856(IP-AAZ) Department of Army Permit

Permit Title: C-111 Spreader Canal, Phase I (Western) Project

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: Modification Numbers 1, 2, 3, and 4

Specific Condition Requiring Annual Report: 18, 19

Issue Date: October 14, 2009

Expiration Date: October 14, 2014

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar and Leslye Waugh

Status

Aerojet Canal Component

Project construction is scheduled to be completed in WY2012. All earthwork and major structures have been completed. Per Special Condition 18, the First Annual C-110 Canal Mitigation Monitoring Report will be completed in September 2011 and submitted to the USACE. The report is available upon request.

The permit for the aboveground portion of the Aerojet Extension Canal was modified in May 2010 to reduce the length of the unlined channel approximately 2,000 feet to reduce wetland impacts and construction costs. The modified channel now connects to the existing Aerojet Canal at the most northern point adjacent to the aquaculture facility. The District received Permit Modification Number 4 to remediate the high total phosphorus levels in surface water in the closed-loop section of the Aerojet Canal. The remediation project started in July 2011 and is anticipated to be completed in October 2011.

Pump Station S-199 and S-200 Components

See the status for the C-111 Spreader Canal Phase 1 (Western) Project (FDEP permit) provided above.

Frog Pond Component

See the status for the C-111 Spreader Canal Phase 1 (Western) Project (FDEP permit) provided above.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None are needed.

CALOOSAHATCHEE RIVER (C-43) WEST BASIN STORAGE RESERVOIR PROJECT

FDEP Permit No. 0255243-002-GL (CERPRA)

Permit Title: C-43 West Storage Reservoir Project: Structures

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: 0255243-003-GL

Specific Condition Requiring Annual Report: 18

Issue Date: November 9, 2007

Expiration Date: November 9, 2012

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar

Status

This project is on hold pending the outcome of negotiations with the USACE on project-related responsibilities.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None are needed.

CALOOSAHATCHEE RIVER (C-43) WEST BASIN STORAGE RESERVOIR PROJECT

USACE Permit No. SAJ-2005-5958(IP-TKW)

Permit Title: C-43 West Storage Reservoir

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: Not applicable

Specific Condition Requiring Annual Report: 9a

Issue Date: April 7, 2008

Expiration Date: April 7, 2013

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar

Status

This project is currently on hold pending the outcome of negotiations with the USACE on project-related responsibilities. However, per Special Condition 9a of the referenced permit and in compliance with the United States Fish and Wildlife Service Biological Opinion, the District

has been conducting crested caracara (*Polyborus plancus audubonii*) monitoring on the project site. Reports of the caracara monitoring and tagging efforts are available upon request.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None are needed.

C-44 RESERVOIR/CONSTRUCTED WETLAND BUFFER PROJECT: TROUP INDIANTOWN WATER CONTROL DISTRICT

FDEP Permit No. 0254895-002-GL (CERPRA)

Permit Title: C-44 Reservoir/Constructed Wetland Buffer Project

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number:

0254895-003-GL, C-44 Reservoir/Constructed Wetland Buffer Project, Major Modification

0254895-004-GL, C-44 Reservoir/Constructed Wetland Buffer Project, Minor Modification

0254895-005-GL, C-44 Reservoir/Constructed Wetland Buffer Project, Minor Modification

Specific Condition Requiring Annual Report: 29

Issue Date: July 24, 2007

Expiration Date: July 24, 2012

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Holly Andreotta

Status

The Troup Indiantown Water Control District (TIWCD), temporary configuration construction began on April 27, 2010, and final completion is expected in WY2012, once negotiation of two change orders and the reinstallation of the Line Y to K Canals Sag Culvert are complete. Earthwork was completed in October 2010, and equipment commissioning is partially complete.

The C-44 reservoir and stormwater treatment area (STA) components construction and interim operations will be addressed pursuant CERP permit Number 0297646-002, issued to the USACE on May 27, 2010. The Notice to Proceed for the construction of USACE Contract Number 1 (C-44 Intake Canal, Access Road, Southern C-133 Canal, and Citrus Boulevard features) is scheduled to begin on August 25, 2011.

The installation of two 84 inch culverts at the southern end of the Northern C-133 Canal was completed in November 2010. These culverts will be removed at the conclusion of the USACE Contract Number 1, currently scheduled for August 2014.

Problems Encountered

Due to the length of the construction contract, measures to address drought conditions on-site and temporary features constructed were continually monitored for final stabilization

confirmation. Areas north of the spillway at Site 1, as well as the main TIWCD pump station demolition were closely observed throughout the contract.

Actions to Address Problems

Additional silt fencing was installed at the TIWCD pump station demolition site as well as additional sod and hydroseeding at Site 1 to address any canal banks and adjacent areas that were previously exposed.

EVERGLADES AGRICULTURAL AREA A-1 RESERVOIR

FDEP Permit No. 0242172-003-EM (CERPRA)

Permit Title: Everglades Agricultural Area (EAA) A-1 Reservoir

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Number: 0242172-003-EM

Specific Condition Requiring Annual Report: 18

Issue Date: September 7, 2007

Expiration Date: September 7, 2012

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar

Status

The EAA A-1 Reservoir Project is currently on hold pending completion of additional planning and design of various construction options on the current footprint.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None are needed.

SOUTHERN CREW, PHASE 1 PROJECT – BILLY DON GRANT PARCEL

FDEP Permit No. 0279719-001 (CERPRA)

Permit Title: Phase I Southern Crew Agricultural Field Enhancement – Billy Don Grant Parcel

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: None

Specific Condition Requiring Annual Report: 19

Issue Date: March 26, 2008

Expiration Date: March 26, 2013

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar

Status

Construction of the project features is complete. The first semiannual monitoring event for the planted wetland vegetation was completed on March 2010, and the first annual monitoring was completed on September 2010. The second semiannual monitoring event was completed in April 2011, and the report indicated vegetation coverage has increased significantly and steadily since the restoration efforts were undertaken. All these reports are available upon request. Further advances in this project will be included in future annual reports as monitoring events are completed.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None area needed.

SOUTHERN CREW, PHASE 1 PROJECT – BILLY DON GRANT PARCEL**USACE Permit No. SAJ-2007-4361(NW-AAZ)**

Permit Title: Phase I Southern Crew Agricultural Field Enhancement – Billy Don Grant Parcel

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: None

Specific Condition Requiring Annual Report: 9

Issue Date: March 17, 2008

Expiration Date: March 17, 2010

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Nimmy Jeyakumar

Status

See the status for the Southern Crew, Phase 1 Project – Billy Don Grant Parcel (FDEP permit) provided above.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None are needed.

TEN MILE CREEK WATER PRESERVE AREA

FDEP Permit No. 0192879-002

Permit Title: Ten Mile Creek Water Preserve Area

Permit Administrator: Permit Acquisition and Compliance Section, Regulation Bureau

Permit Modification Number: 0192879-012

Specific Condition Requiring Annual Report: 16

Issue Date: October 16, 2006

Expiration Date: August 24, 2016

Reporting Period: May 1, 2010 to April 30, 2011

Report Prepared By: Laura Reilly

Status

The permit for Construction and Interim Operation of the Ten Mile Creek facility was issued to the USACE. Operation of the Ten Mile Creek Water Preserve Area by the District is not authorized until the project is officially transferred from the USACE to the District.

Problems Encountered

No annual report has been prepared for this project. The Ten Mile Creek Water Preserve Area is not currently in operation due to numerous problems encountered during construction and interim operation.

Actions to Address Problems

The USACE is presently undertaking a test fill of the reservoir to determine the extent of levee seepage problems. Potential remedies will be decided when the results of the test fill are complete.