

Chapter 2: Comprehensive Everglades Restoration Plan Regulation Act Projects

Nirmala Jeyakumar 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 Loxahatchee River Watershed Restoration Project, L-8 Reservoir
- Appendix 2-3: Annual Permit Report for the Biscayne Bay Coastal Wetlands – L-31 East Culverts and Deering Estate Flow-way

PERMIT INFORMATION UPDATES

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, Office of Everglades Policy and Coordination

Permit Modification Number: 293559-002, 293559-003, 293559-004, 293559-005, 293559-006

Specific Condition Requiring Annual Report: 35

Issue Date: October 8, 2009

Expiration Date: October 8, 2014

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: Nimmy Jeyakumar and John Shaffer

Status

Aerojet Canal Component

Project construction was completed on January 12, 2012. As-built drawings and certification forms were submitted on April 2, 2012. The first annual mitigation monitoring report for the C-110 canal (*First Annual Wetland Mitigation Monitoring Report - August 2011 - Phase 1 of the C-111 Spreader Canal Western Features Project*) was completed in August 2011, submitted to FDEP, and is 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 northernmost point adjacent to the aquaculture facility. The District received permit modification 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 was completed on February 6, 2012. As-built drawings and certification forms were submitted on April 10, 2012.

The first start-up monitoring event will occur on July 18, 2012, and normal operations will begin in summer 2012.

Pump Station S-199 and S-200 Components

Project construction was completed on January 13, 2012. As-built drawings and certification forms were submitted on March 16, 2012.

Frog Pond Component

Project construction was completed on June 30, 2011, and as-built drawings and certification forms were submitted on March 7, 2012. The first start-up monitoring event will occur on May 15, 2012, and normal operations will begin in summer 2012.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None were needed.

C-111 SPREADER CANAL PHASE 1 (WESTERN) PROJECT

USACE Permit No. SAJ-2005-9856(IP-AAZ)

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

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

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, 2011 to April 30, 2012

Report Prepared By: Nimmy Jeyakumar and John Shaffer

Status

Aerojet Canal Component

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

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 were 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, Office of Everglades Policy and Coordination

Permit Modification Numbers:

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, 2011 to April 30, 2012

Report Prepared By: Holly Andreotta

Status

The Troup Indiantown Water Control District (TIWCD) temporary configuration construction and equipment commissioning is complete. As-built drawings and the Department's "As-built Certification Form" will be submitted in WY2013.

The C-44 reservoir and stormwater treatment area (STA) components construction and interim operations will be addressed pursuant to CERPRA permit Number 0297646-002, issued to the USACE on May 27, 2010. Construction of USACE Contract Number 1 (C-44 intake canal, access road, Southern C-133 canal, and Citrus Boulevard features) commenced on October 10, 2011.

As-built drawings and Department's "As-built Certification Form" for the two 84-inch culverts at the southern end of the Northern C-133 Canal were submitted to the Department on March 8, 2012.

In March 2012, a permit renewal request was submitted to the Department to renew the District's CERPRA permit (0254895-003-GL). The Department is reviewing the request and the permit will remain active while the modification is being processed.

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 as part of the TIWCD temporary construction effort. Areas north of the spillway at Site 1, as well as the main TIWCD pump station demolition, were closely observed throughout the contract. During demolition of the TIWCD pump station, a previously undetected petroleum spill was encountered.

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. Petroleum was discovered in the soil during the demolition of the existing TIWCD pump station. District staff coordinated remediation efforts with FDEP's Waste Cleanup Section and provided the appropriate documentation in the form of a Site Assessment Report (dated April 22, 2011). FDEP staff concurred with the completion of corrective actions via a Site Rehabilitation Completion Order (dated August 24, 2012).

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

USACE Permit No. SAJ-2005-6166 (IP-TKW)

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

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: Modification 1

Specific Condition Requiring Annual Report: 15

Issue Date: November 03, 2007

Expiration Date: September 24, 2012

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: Holly Andreotta

Status

Refer to the status for the C-44 Reservoir/Constructed Wetland Buffer Project (FDEP permit) provided above. Per Special Condition 15 of the referenced United States Army Corps of Engineers (USACE) permit, the as-built drawings and “As-built Certification Form” for the two 84-inch culverts at the southern end of the Northern C-133 Canal were submitted to the Corps on March 8, 2012.

As-built drawings and “As-built Certification Form” for construction activities associated with preliminary construction of the project intake canal and access road areas, which simultaneously addressed the covering of agricultural chemical impacted soils, were submitted to the Corps on July 11, 2011.

Problems Encountered

No problems were encountered.

Actions to Address Problems

None were 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, Office of Everglades Policy and Coordination

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, 2011 to April 30, 2012

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 were 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, Office of Everglades Policy and Coordination

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, 2011 to April 30, 2012

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 were needed.

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, Office of Everglades Policy and Coordination

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, 2011 to April 30, 2012

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 were 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, Office of Everglades Policy and Coordination

Permit Modification Number: None

Specific Condition Requiring Annual Report: 19

Issue Date: March 26, 2008

Expiration Date: March 26, 2013

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: Nimmy Jeyakumar

Status

Construction of the project features is complete. The third semi-annual monitoring event was completed in April 2012, and the report indicated that vegetation coverage has increased significantly and steadily since restoration efforts were undertaken. Exotic vegetation removal was also conducted within the restoration area. 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 were 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, Office of Everglades Policy and Coordination

Permit Modification Number: None

Specific Condition Requiring Annual Report: 9

Issue Date: March 17, 2008

Expiration Date: March 17, 2010

Reporting Period: May 1, 2011 to April 30, 2012

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 were 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, Office of Everglades Policy and Coordination

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, 2011 to April 30, 2012

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

The Ten Mile Creek Water Preserve Area is not currently in operation because of embankment and stability issues due to excessive seepage. An annual report has not been prepared for this project.

Actions to Address Problems

The USACE has undertaken a test fill of the reservoir to determine the extent of the levee's seepage problems. Test results have demonstrated numerous seepage areas through the levee. Potential remedies have not yet been determined.