

# Chapter 4: Northern Everglades and Estuaries Protection Program Projects

Nimmy Jeyakumar and Christopher King

---

## ANNUAL REPORTS

---

For the reporting period, annual reports for Northern Everglades and Estuaries Protection Program (NEEPP) projects are presented as appendices to this chapter:

- Appendix 4-1: Annual Permit Report for Lake Okeechobee Water Control Structures Operation
- Appendix 4-2: Annual Permit Report for the Taylor Creek Stormwater Treatment Area
- Appendix 4-3: Annual Permit Report for the Lakeside Ranch Stormwater Treatment Area – Phase I

---

## PERMIT INFORMATION UPDATES

---

### GRASSY ISLAND HYBRID WETLAND TREATMENT TECHNOLOGY PROJECT

#### Florida Department of Environmental Protection (FDEP) Permit 0259591

Permit Title: Grassy Island Hybrid Wetland Treatment Technology (HWTT)

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

Original Permit Number: 0259591-002

Permit Modification Numbers (in order of issuance):

0259591-003 (*major modification*)

0259591-004 (*major modification*)

0259591-005 (*minor modification*)

0259591-006 (*minor modification*)

0259591-007 (*major modification*)

Specific Condition Requiring Annual Report: 30

Original Issue Date: December 29, 2010

Expiration Date: December 29, 2015

Reporting Period: July 1, 2014 to June 30, 2015 [*based on Florida Department of Agriculture and Consumer Services (FDACS) contract deliverable schedule*]

Report Prepared By: Laura Reilly

## Status

The Phase III operations permit (30 cubic feet per second) request was submitted to FDEP on June 4, 2014, where FDACS was included as a co-permittee for the project. The FDEP Phase III operations permit modification was issued on December 1, 2014, with the South Florida Water Management District (District or SFWMD), Watershed Technologies, LLC, and FDACS as co-permittees for this project.

All monitoring and reporting are conducted by Watershed Technologies, LLC under a contract administered through FDACS, and were completed in accordance with the permit. Resulting data, information, and further details will be included in the annual report, Implementation of Hybrid Wetland Treatment Technology in the Northern Everglades Watershed: Chapter I Technical Report (Contract #020210, Watershed Technologies, LLC), which is scheduled to be submitted to FDEP in August 2015.

## Problems Encountered

No problems were encountered.

## Actions to Address Problems

None were needed.

## LEMKIN CREEK HYBRID WETLAND TREATMENT TECHNOLOGY PROJECT

### FDEP Permit 47-0254574

Permit Title: Lemkin Creek HWTT

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

Original Permit Number: 47-0254574-001

Permit Modification Numbers (in order of issuance):

0254574-002

0254574-003

0254574-004 (*major modification*)

Specific Condition Requiring Annual Report: 28

Original Issue Date: May 5, 2009

Expiration Date: December 1, 2019

Reporting Period: July 1, 2014 to June 30, 2015 (*based on FDACS contract deliverable schedule*)

Report Prepared By: John Shaffer

## Status

Flow-through operations continued throughout the reporting period. On December 1, 2014, a permit modification (0254571-004) was issued that renewed the permit and added FDACS as a co-permittee with the District and Watershed Technologies, LCC.

All monitoring and reporting are conducted by Watershed Technologies, LLC, under a contract administered through FDACS, and were completed in accordance with the permit. Resulting data, information, and further details will be included in the annual report, Implementation of Hybrid Wetland Treatment Technology in the Northern Everglades Watershed: Chapter I Technical Report (FDACS Contract #018907, Watershed Technologies, LLC), which is scheduled to be submitted to FDEP in August 2015.

### **Problems Encountered**

No problems were encountered.

### **Actions to Address Problems**

None were needed.

## **NUBBIN SLOUGH STORMWATER TREATMENT AREA**

### **FDEP Permit 0194483**

Permit Title: Nubbin Slough Stormwater Treatment Area

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

Original Permit Number: 0194483-005

Permit Modification Numbers:

0194483-012 (*permit renewal*)

Specific Condition Requiring Annual Report: 24

Original Issue Date: March 28, 2007

Renewal Date: October 24, 2012

Expiration Date: October 24, 2017

Reporting Period: May 1, 2014 to April 30, 2015

Report Prepared By: Leslye Waugh

### **Status**

The Nubbin Slough Stormwater Treatment Area (STA) facility was officially transferred from the United States Army Corps of Engineers (USACE) to the District on March 18, 2015.

### **Problems Encountered**

An annual report for the Nubbin Slough STA has not been prepared because the facility has been inoperable. This is due to a series of mechanical issues uncovered during pump tests, and, more recently, to aggradations of sediment in the pump basin.

### **Actions to Address Problems**

USACE provided specification and authorization to the District to perform repairs for the deficiencies identified in 2012. The District completed grouting of the drainage pipes underneath the levees in May 2014 and repairs to culverts S387A, S387B, and S387C also during the reporting period.