

Chapter 4: Permitted Conditions Annual Reports for the Northern Everglades and Estuaries Protection Program Projects

Ron Bearzotti and Stuart Van Horn

ANNUAL REPORTS

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

- Appendix 4-1: Annual Permit Report for Lake Okeechobee Water Control Structures Operation

PERMIT INFORMATION UPDATES

LAKESIDE RANCH STORMWATER TREATMENT AREA – PHASE 1

Permit No. 0287326-001-GL (NEEPP)

Permit Title: Lakeside Ranch Stormwater Treatment Area – Phase 1

Permit Administrator: Everglades Restoration and Capital Projects Resource Area

Permit Modification Number: 0287326-006

Specific Condition Requiring Annual Report: 32

Issue Date: January 21, 2009

Expiration Date: January 21, 2014

Report Prepared By: Ron Bearzotti

Status

Construction continues in concert with the approved schedule. Major project components are approximately 50 percent complete. Final completion is scheduled for January 2012. Earth work for revised outfall canal is scheduled to begin in early 2011. Although black-necked stilts (*Himantopus mexicanus*), killdeer (*Charadrius vociferus*), and sandhill cranes (*Grus canadensis*) were observed nesting within project limits in summer 2009, this did not have any impacts on the executed construction schedule. Gopher tortoises (*Gopherus polyphemus*) were removed and relocated from existing levees along L-63/L-64 in anticipation of canal widening and dredging

activities that are planned to begin in early 2011. It is expected that further advances in this project will be included in future annual reports.

Problems Encountered

The old cattle dipping vat at the southeast corner of the Phase 1 footprint is a known contaminated site. Residual arsenic levels necessitated design change to relocate the north discharge canal away from contaminated area.

Actions to Address Problems

The Lake Okeechobee Protection Plan permit modification was issued on July 27, 2010, for approved relocation of the northern discharge canal. Currently, groundwater level monitoring is conducted weekly and arsenic samples are collected biweekly from Well-A. Monitoring frequency has been reduced since construction activities have not been occurring within 2,000 feet of the cattle dipping vat. However, monitoring will resume one week prior to dewatering activities. Specifically, groundwater levels and arsenic monitoring will be conducted during dewatering for canal excavations within 2,000 feet of the vat. Daily groundwater monitoring will continue as previously approved within Well-A, TW100, TW104, CW-A, and the existing recharge trench. Rainfall data will be recorded from on-site rain gauges. Weekly arsenic monitoring will also occur in Well-A and TW100.

LEMKIN CREEK HYBRID WETLAND TREATMENT TECHNOLOGY PROJECT

Permit No. 47-0254574-002 GL (NEEPP)

Permit Title: Lemkin Creek HWTT

Permit Administrator: Everglades Restoration and Capital Projects Resource Area

Permit Modification Number: Not Applicable

Specific Condition Requiring Annual Report: 23

Issue Date: May 5, 2009

Expiration Date: May 5, 2014

Report Prepared By: Ron Bearzotti

Status

Final construction compliance inspection was completed to affirm that project construction was completed in accordance with permit requirements. The Florida Department of Environmental Protection's review of the as-built certification confirmed that project construction is complete and permit requirements have been met. The Final Technical Analysis Report and documentation of start-up total phosphorus net reduction was submitted in February 2010. A formal request for transfer of the project from the construction phase to the operation phase was submitted, and the routine flow-through operational phase was initiated. It is expected that further advances in this project will be included in future annual reports.

Problems Encountered

No problems encountered.

Actions to Address Problems

None needed.