

ATTACHMENT A: MAPS

ATTACHMENT A – MAPS

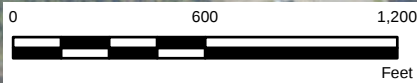
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SITE DELINEATION



CERTIFIED
SITE BOUNDARY



LEGEND

 Certified Site Boundary

REFERENCE(S)

1. BASE IMAGERY: SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRIID, IGN, AND THE GIS USER COMMUNITY

CLIENT
GULF POWER

PROJECT
PLANT SMITH CONDITIONS OF CERTIFICATION MODIFICATION

TITLE
PLANT SMITH CERTIFIED SITE BOUNDARY

CONSULTANT

YYYY-MM-DD 2021-01-05



GOLDER

DESIGNED JWT

PREPARED JWT

REVIEWED KP

APPROVED MM

PROJECT NO.
18114683

CONTROL
18114683B004

REV.
0

FIGURE
4

CERTIFIED FACILITIES DELINEATION

ATTACHMENT B: SURFACE WATER MANAGEMENT SYSTEM PLANS

ATTACHMENT B – SURFACE WATER MANAGEMENT SYSTEM PLAN(S) (SWMS)

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GULF POWER PLANT SMITH
STORMWATER MAINTENANCE PLAN
INITIAL CONSTRUCTION OF LANSING SMITH UNIT 3

1. Chapter 62-25, F.A.C. (Regulation of Stormwater Discharge) — applies to stormwater treatment systems that qualify for grandfathering under §§373.414(11), (12), (13), (14), (15), (16), or 373.4145(6), F.S. Systems constructed under Chapter 62-25, F.A.C., are authorized to be operated in perpetuity, and maintenance may be conducted under such systems without a permit under Chapter 62-330, F.A.C., in perpetuity, provided the terms and conditions of the permit, exemption, or other authorization under Chapter 62-25, F.A.C., continue to be met, and provided the work is conducted in a manner that does not cause violations of water quality standards. However, if the system is altered, modified, expanded, abandoned, or removed, it is subject to being regulated by Chapter 62-330, F.A.C.
2. These facilities shall be maintained per all applicable DEP rules and regulations.
3. These ponds and all other portions of the stormwater system shall be regularly inspected and maintained in good working order at all times and according to the following DEP minimum Operation and Maintenance Standards:
 - (a) These surface water management systems permitted by the DEP shall be operated and maintained in accordance with the designs, plans, calculations, and other specifications that are submitted with an application, approved by the Department, and incorporated by reference or as a Condition in the Conditions of Certification or into any federal permit issued.
 - (b) The operation and maintenance entity shall provide for the inspection of the stormwater management system in accordance with all applicable rules.

**STORMWATER MAINTENANCE SYSTEM PLAN
DEEP WELL INJECTION (UIC) PONDS**

The stormwater runoff from the permanent pump station and treatment system for cooling tower blowdown will be managed using two wet detention ponds. One of the ponds is existing and will be reshaped and one will be constructed. A littoral zone is not required since a permanent pool volume is greater than 50 percent.

All proposed facilities shall be constructed, maintained, and operated per all applicable Florida Department of Environmental Protection (DEP) rules and regulations. Best management practices shall be implemented as needed during and upon completion of construction. These may include but are not limited to, drainage swales, silt fencing, check dams, and sedimentation ponds.

The Licensee shall follow all applicable portions of the DEP and Northwest Florida Water Management District's Environmental Resource Permit Applicant's Handbook Volume II: Design and Performance Standard Including Basin Design and Criteria.

The ponds and all other portions of the stormwater management system (SWMS) shall be inspected and maintained in good working order at all times and according to DEP's minimum Operation and Maintenance Standards and the Deep Well Injection Site's SWMS plan.

A. DEP OPERATION AND MAINTENANCE STANDARDS

1. All SWMSs associated with this License shall be operated and maintained in accordance with the designs, plans, calculations, and other specifications that were submitted with the Site Certification Application and any post certification amendments or modifications, which were approved by DEP, and incorporated by reference or as a Condition of this License.

2. The Licensee shall follow all inspection and reporting criteria of the SWMS in accordance with Rule 62-330.311(1), F.A.C.

3. The SWMS, as approved, should be inspected within 1 year after being transferred to the operational phase and once every 5 years thereafter. The inspections shall be conducted by a Registered Professional.

B. DEEP WELL INJECTION PONDS OPERATION AND MAINTENANCE

The Licensee shall provide routine maintenance of all components of the SWMS to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require authorization under Chapter 62-330, F.A.C., or cause violations of state water quality standards. The Surface Water Operation and Maintenance Plan, as approved by DEP, shall be implemented.

ATTACHMENT B: SURFACE WATER MANAGEMENT SYSTEM PLANS

In order to enable the wet detention ponds to function correctly and to maintain the pond's design capacity, sediment must be removed occasionally, and adequate resources must be committed to properly maintain peripheral aquatic vegetation, control vector production, and to maintain required permanent pool volume. Wet detention ponds can become a nuisance due to mosquito breeding, unless carefully maintained. A proactive and routine preventative maintenance plan is crucial to minimizing vector habitat.

Within 30 days of any failure of a SWMS or deviation from the submitted drawings and/or calculations, the Licensee shall submit a report to the Department on Form 62-330.311(2), F.A.C., "Operation and Maintenance Inspection Certification", describing the remedial actions taken to resolve the failure and/or deviation of SWMS. This report shall be signed and sealed by a registered professional in the State of Florida.

1. Inspection Activities

a. Inspect for invasive vegetation, trash and debris, clogging of inlet/outlet structures, conditions of weir and spillway, orifice and skimmer, excessive erosion, sediment buildup in basin or outlet, bank stability, and density of the turf grass on bank side slopes. Monitor drains and check for algal growth, signs of pollution such as oil sheens, discolored water, unpleasant odors, and signs of flooding. (Annual Inspection)

b. Inspect mechanical component condition of inlet and out let structures, pipes, orifice, skimmers, weir, and upstream/downstream channel conditions. (Annual Inspection)

c. During inspections, note changes to the wet pond or the contributing watershed, as these may affect basin performance.

2. Maintenance Activities

a. If mosquito breeding becomes a problem, introduce mosquito fish to enhance natural mosquito control and regularly maintain emergent and shoreline vegetation.

b. Remove sediment from outlet structure(s). Dispose of properly.

c. Remove accumulated trash and debris in the basin(s), inlet/outlet structures, side slopes, and collection system as required.

d. Repair undercut areas, rills, and erosion to banks and basin(s).

e. Mow side slopes and maintain vegetation in and around basin(s) to prevent any erosion or aesthetic problems. Minimize use of fertilizers and pesticides.

f. Remove sediment when the permanent pool volume has become reduced significantly (sediment accumulation exceeds 25 percent of design depth), re-suspension is observed, or the pond becomes eutrophic.

g. Remove vegetation growth from atop the sand filters to prevent blinding.

**STORMWATER MAINTENANCE SYSTEM PLAN
IW-4 SITE: GRAVEL ACCESS ROAD**

OPERATION AND MAINTENANCE ACTIVITIES

1. On the 1st anniversary of the date of conversion to Operation and Maintenance Phase and every 5th year thereafter, an inspection of the Wet Detention area shall be made by the registered professional.
2. The littoral zone shall be constructed in accordance with criteria of this Plan.
3. The Stormwater Operation/Maintenance Plan, as approved shall be implemented.
4. All authorized structures shall remain in operable condition and shall not be allowed to deteriorate or otherwise contribute to a water quality violation for the life of the facility. All authorized stormwater structures shall be maintained in proper working order for the life of the facility.

ATTACHMENT C: MITIGATION PLANS

ATTACHMENT C – MITIGATION PLAN(S)

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MITIGATION FOR LANSING SMITH UNIT 3: MODIFICATION C	C-2

ATTACHMENT C: MITIGATION PLANS

Mitigation Plan Status

Gulf Power Company (Gulf) received certification (PA99-40) for Lansing Smith Combined Cycle Unit 3 (Lansing Smith) and associated facilities through the Florida Electric Power Plant Siting Act. The Certification was approved by the Governor and Cabinet on July 25, 2000.

History of wetland impacts and mitigation:

Project	Impacts	Mitigation	Status	Project Completed
Initial Construction of Lansing Smith Unit 3	Filling of approximately 15.3 acres of Florida Department of Environmental Protection (DEP) and U.S. Army Corps of Engineers (USACE) wetlands	Compensations for the loss of DEP/USACE wetlands: enhancement of 130 acres of wet pine plantation within a 232-acre parcel along the southeastern corner of Jackson's Titi Swamp. Mitigation Plan submitted to DEP SCO for review on 3/20/2000	- Oct 2003: Submitted Annual Report for the 2nd Year of Monitoring - Received by DEP's Panama City Branch Office on October 14, 2003. - 6/9/2004: Gulf Power submitted Wetland Mitigation Project – Semiannual Progress Report - Received by DEP's Panama City Branch Office on June 11, 2004. - 12/19/2005: Submitted Annual Report for the 4th Annual Year of Monitoring - Report was received by DEP's Northwest District on December 21, 2005. Panama City Branch Office on December 29, 2005. - 11/13/2006: Submitted Annual Report for the 5th Year of Monitoring - Report was received by DEP's Northwest District on November 14, 2006.	Yes

ATTACHMENT C: MITIGATION PLANS

Deep Well Injection (UIC) Site for Lansing-Smith	0.3-acre impact of Silviculture/Wet Pine Flatwood wetlands	To offset the 0.3-acre impact, Gulf shall purchase 0.2 acres Wet Prairie/Flatwoods credits from the Breakfast Point Mitigation Bank	- 11/12/2013: ERP issued (Permit number 03-0320483-001-EI) - 3/8/2019: Petition for Modification received by the SCO to incorporate Permit Number 03-0320-483-01-EI into the Conditions of Certification.	Yes
IW-4 gravel access road	1.14 acres of Wet Prairie/Flatwood wetlands	Gulf shall purchase 0.4 credits of Wet Prairie/Flatwood Wetland from Breakfast Point Mitigation Bank	- 12/19/2017: ERP issued (Permit number 0320483-004-EI/03). 0.4 credits of wet prairie/flatwoods wetlands purchased from Breakfast Point mitigation bank - 3/8/2019: Petition for Modification received by the SCO to incorporate Permit Number 0320483-004-EI/03 into the Conditions of Certification	Yes
Modification C: Expansion of Site boundaries for well pump station and filtration/treatment system	Permanent impact of 2.47 acres of hydric pine flatwoods	To offset the unavoidable impacts Gulf will purchase 1.81 wet prairie/flatwoods mitigation credits from the Breakfast Point Mitigation Bank	-3/8/2019: Petition for Modification received by SCO -Activities approved by Modification C once proof of credits purchased has been provided to the Department.	

Gulf secured a [Conservation Easement](#) Deed from the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida in accordance with §704.06, F.S., for 130.015 acres required for mitigation as dictated in Lansing Smith's Conditions of Certification; recorded April 4, 2006.

The [Final Progress Report](#) received and reviewed by DEP. Mitigation activities were deemed complete and successful on June 8, 2006.

**MITIGATION FOR LANSING SMITH UNIT 3
BAY COUNTY, FLORIDA**

MODIFICATION C: RECLAIMED WATER PROJECT

The Licensee is authorized to permanently impact 2.47-acres of hydric pine flatwoods to construct a permanent industrial inspection well pump station and treatment system and the associated stormwater management facility as described in the petitioned post-certification modification (Modification C) submitted to the Department. Those activities include the construction of 2 wet detention stormwater ponds. Authorized activities are depicted in the submitted exhibits.

To offset unavoidable impacts that will occur from these authorized activities, the Licensee will purchase and provide proof 1.81 Wet Prairie/Flatwoods mitigation credits from Breakfast Point Mitigation Bank have been purchased. The Licensee shall submit to the NWD Office documentation of mitigation bank purchase prior to commencement of construction.