

APPENDIX 10.4

ENVIRONMENTAL RESOURCE PERMIT

NOTE:

There are no jurisdictional wetlands on the Site except the manmade cooling water intake and discharge canals. FPL has recently conducted routine repair, refurbishment, and maintenance work on the existing intake and discharge structures. The existing infrastructure of the intake and discharge structures may be modified or reconfigured landward of the existing structures for PEEC. This may require repair of the seawalls in the intake and discharge canals. This repair is exempt from Florida Environmental Resource Permit (ERP) requirements pursuant to FDEP Rule 62-312.050(1)(j), F.A.C., which allows for seawall restoration in upland areas or within 1 ft waterward of its previous location.

After construction is complete, the intake and discharge structures not used will be closed off at the existing seawall and backfilled. A portion of the infrastructure of the intake and discharge structures will remain and be incorporated into PEEC. The dredging required for the replacement of equipment within the existing intake and discharge areas qualifies for an exemption from Florida permitting requirements for performance of maintenance dredging of existing manmade canals, channels, basins, berths, and intake and discharge structures.

The planned manatee temporary heating system (MTHS) (see Subsection 5.4.1.3 for description) intake and discharge pipes and necessary structures will be installed in the existing discharge canal. The MTHS may require support piles and structures for equipment. The MTHS will be designed and constructed to provide adequate protection to manatees. Authorization for necessary environmental approvals for the MTHS will be sought outside the SCA process.

In accordance with Section 403.813(2)(f), F.S., FPL may conduct maintenance dredging within the discharge canal during the Project construction period to restore the area to its historical design depth and enhance the area as a manatee refuge.

To meet as part of this Site Certification Application the substantive requirements of Chapters 62-330 and 62-25 F.A.C., a stormwater management plan has been developed to address these ERP requirements. The stormwater management plan is included in Appendix 10.11. The design stormwater management system is based on the criteria set forth in the South Florida Water Management District Regulation of Stormwater Management Systems and Management of Storage of Surface Waters.