

STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Levy Nuclear Power Plant
Units 1 & 2
Progress Energy Florida

Proposed
CONDITIONS OF CERTIFICATION

Plant and Associated Facilities
And
Transmission Lines

Certified XX/XX/XX

XXI.	EROSION/RUNOFF CONTROL.....	15
XXII.	CONSTRUCTION PRACTICES	15
	A. OPEN BURNING.....	15
	B. SOLID WASTES	16
	C. HAZARDOUS SUBSTANCES AND SPILLS.....	16
XXIII.	HERBICIDES	16
XXIV.	WETLANDS MITIGATION.....	16
	A. WETLANDS MITIGATION PLAN	16
	B. CERTIFIED TRANSMISSION LINES.....	17
XXV.	DEPARTMENT OF TRANSPORTATION.....	19
	A. POST-CERTIFICATION REVIEWS OF FDOT MATTERS.....	19
	1. <i>Access Management to the State Highway System:</i>	19
	2. <i>Overweight or Overdimensional Loads:</i>	19
	3. <i>Use of State of Florida Right-of-Way or Transportation Facilities:</i>	19
	4. <i>Standards:</i>	19
	5. <i>Drainage:</i>	19
	6. <i>Use of Air Space:</i>	20
	7. <i>Level of Service on State Roadway Facilities</i>	20
	8. <i>Railroad Grade Crossings</i>	20
	B. BEST MANAGEMENT PRACTICES	20
XXVI.	DEPARTMENT OF STATE - DIVISION OF HISTORICAL RESOURCES.....	21

SECTION B. PLANT SPECIFIC CONDITIONS

XXVII.	DEPARTMENT OF ENVIRONMENTAL PROTECTION.....	22
	A. FLOOD CONTROL PROTECTION	22
	B. TOXIC, DELETERIOUS OR HAZARDOUS MATERIALS	22
	C. FEDERAL PERMITS	22
	1. <i>Industrial Wastewater Discharge Permits</i>	22
	2. <i>Air Permits</i>	23
	D. RADIOLOGICAL.....	23
	1. <i>Decommissioning</i>	23
	2. <i>Emergency Plan</i>	23
	3. <i>Radiological Release Limitations</i>	24
	4. <i>Monitoring</i>	24
	5. <i>Interagency Agreement</i>	25

6.	<i>Reservation of Legal Rights</i>	25
7.	<i>Annual Radiological Environmental Operating Report</i>	25
8.	<i>Notification of NRC License</i>	25
E.	POTABLE WATER SUPPLY SYSTEM	25
F.	DOMESTIC WASTEWATER	26
G.	SOLID WASTE	26
H.	STORMWATER/WASTEWATER DISCHARGES	26
I.	WATER FACILITIES GROUNDWATER MONITORING REQUIREMENTS	27
J.	WITHLACOOCHEE RIVER	30
K.	COASTAL AND AQUATIC MANAGED AREAS	30
L.	INCORPORATION OF SEPARATE ERP LICENSES OBTAINED PRIOR TO CERTIFICATION	31
XXVIII. SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT		31
A.	SPECIAL CONDITIONS	32
1.	<i>Submit Reports/Data</i>	32
2.	<i>Environmental Impacts, Monitoring and Mitigation</i>	32
3.	<i>Alternative Water Supply Implementation</i>	34
4.	<i>Aquifer Testing and Groundwater Impact Analysis</i>	35
5.	<i>Compliance Reporting</i>	36
6.	<i>Pumpage Reporting</i>	37
7.	<i>Distribution Flexibility</i>	39
8.	<i>Water Quality Sampling</i>	39
9.	<i>Wells</i>	42
B.	STANDARD CONDITIONS:.....	44
XXIX. FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION		45
A.	LISTED-SPECIES CONDITIONS	45
1.	<i>General Listed-Species Surveys</i>	46
2.	<i>Gopher Tortoise</i>	46
3.	<i>Bald Eagle</i>	47
4.	<i>Florida Scrub-Jay</i>	48
5.	<i>Red-Cockaded Woodpeckers</i>	48
6.	<i>Avian Protection Plan</i>	49
7.	<i>Florida Manatee</i>	49
B.	BIOLOGICAL SURVEY AND MONITORING CONDITIONS	50
1.	<i>Cross Florida Barge Canal and Withlacoochee River Survey and Monitoring</i> 50	
2.	<i>Levy Nuclear and Crystal River Energy Complex Combined Discharge Survey and Monitoring</i>	53
C.	MITIGATION.....	55

SECTION B. PLANT SPECIFIC CONDITIONS

5. This system will be a non-transient non-community public water system. A demonstration of financial, managerial, and technical capacity (capacity development) form must be completed and submitted to the Department's Northeast District Office, Potable Water Section and the Siting Office. Rule 62-555.525, F.A.C.

[62-550, Lead & Copper Rule 40 CFR 141, Subpart I, 62-555, 62-560, and 62-699, F.A.C.]

F. Domestic Wastewater

The domestic wastewater treatment and disposal facilities shall be designed and operated in accordance with any applicable provisions of Chapters 62-4, 62-600, 62-601, 62-604, 62-610, 62-611, 62-620 and 62-640 F.A.C. At least 180 days prior to commencing construction of the domestic wastewater treatment and disposal facilities, the licensee shall submit final plans for the domestic wastewater facilities to the Siting and DEP Northeast District Offices for review and approval. The submittal shall include calculations, drawings, reports, completed permit application forms and a preliminary engineering report with information for the domestic wastewater treatment and disposal facilities. All documents must be signed and sealed by a professional engineer and professional geologist registered in the State of Florida. The Licensee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment.

[Rules 62-4, 62-600, 62-601, 62-604, and 62-610, 62-611, 62-620, and 62-640, F.A.C.]

G. Solid Waste

1. The licensee is not authorized to process or dispose solid waste on-site. Except for temporary, short-term storage in designated containers, storage of solid waste on-site shall not be allowed unless specifically authorized through a modification to this certification.

2. The applicant shall collect and store solid waste from routine operations and/or construction and demolition activities in vendor provided or other suitable containers, and shall dispose the waste at authorized off-site facilities in accordance with the Site Certification Application and Chapter 62-701, F.A.C.

[62-701, F.A.C.]

H. Stormwater/Wastewater Discharges

1. At least 90 days prior to construction of the facility or a portion of the project that may affect stormwater, the licensee shall submit final plans for the surface water management system for that portion of the facility to the Siting and DEP Northeast District Offices for review and approval. The submittal shall include calculations, drawings, reports and permit applications with information for the site, associated access roads and structure pads, drainage analysis, stormwater management system, wastewater treatment and disposal, etc. Floodplain analysis shall address flow rates on the site using a minimum of three cross-sections and provide a tabular summary. The data summary should include stage or water elevation, basin areas and volumes of cut and fill and calculations of the compensating storage for pre and post conditions. Site plans shall show the stage as the difference between the 100 year storm event and the elevation of the seasonal high water level in NGVD 29 basis.