

**Levy Nuclear Plant Units 1 and 2
Florida Site Certification Application**

TABLE OF CONTENTS (CONTINUED)

<u>Section</u>	<u>Title</u>	<u>Page</u>
4.3	FUEL.....	4-1
4.4	AIR EMISSIONS AND CONTROLS	4-2
4.4.1	AIR EMISSIONS UNITS	4-2
4.4.2	AIR EMISSION CONTROLS	4-3
4.4.3	BEST AVAILABLE CONTROL TECHNOLOGY	4-3
4.4.4	DESIGN DATA FOR CONTROL EQUIPMENT	4-4
4.4.5	DESIGN PHILOSOPHY	4-4
4.5	PLANT WATER USE.....	4-4
4.5.1	HEAT DISSIPATION SYSTEM.....	4-5
4.5.1.1	System Design.....	4-5
4.5.1.2	Source of Cooling Water	4-5
4.5.1.3	Dilution System	4-5
4.5.1.4	Blowdown, Screened Organisms, and Trash Disposal.....	4-6
4.5.1.5	Injection Wells.....	4-6
4.5.2	DOMESTIC/SANITARY WASTEWATER	4-6
4.5.3	POTABLE WATER SYSTEMS	4-6
4.5.4	PROCESS WATER SYSTEMS	4-7
4.6	CHEMICAL AND BIOCIDES WASTE	4-7
4.7	SOLID AND HAZARDOUS WASTE	4-7
4.7.1	SOLID WASTES	4-7
4.7.1.1	Prohibitions	4-8
4.7.1.2	Waste Containment Design	4-8
4.7.1.3	Leachate Control.....	4-8
4.7.1.4	Surface Water Control	4-8
4.7.1.5	Geotechnical Investigation.....	4-8
4.7.1.6	Water Quality Monitoring Plan	4-9
4.7.1.7	Closure Plan and Long-Term Care	4-9
4.7.1.8	Financial Assurance.....	4-9
4.7.2	HAZARDOUS WASTE.....	4-9
4.8	ON-SITE DRAINAGE SYSTEM.....	4-9
4.9	HEAVY EQUIPMENT AND MATERIALS	4-10
4.10	ASSOCIATED LINEAR FACILITIES	4-10

**Levy Nuclear Plant Units 1 and 2
Florida Site Certification Application**

TABLE OF CONTENTS (CONTINUED)

<u>Section</u>	<u>Title</u>	<u>Page</u>
4.10.1	HEAVY HAUL ROAD	4-11
4.10.1.1	Maps	4-11
4.10.1.2	Corridor	4-11
4.10.1.3	Effects of ROW Preparation and Construction	4-12
4.10.1.4	Post-construction Impacts and Effects of Maintenance ..	4-12
4.10.2	COOLING SYSTEM INTAKE AND BLOWDOWN PIPELINES	4-13
4.10.2.1	Maps	4-13
4.10.2.2	Corridor	4-13
4.10.2.3	Effects of ROW Preparation and Construction	4-13
4.10.2.4	Post-Construction Impacts and Effects of Maintenance .	4-15
4.10.3	<u>[NOT USED]</u>	4-15
4.10.3.1	<u>[Not Used]</u>	4-15
4.10.3.2	<u>[Not Used]</u>	4-16
4.10.3.3	<u>[Not Used]</u>	4-17
4.10.3.4	<u>[Not Used]</u>	4-17
4.10.4	SITE ACCESS ROADS	4-18
4.10.4.1	Description and Map Location	4-18
4.10.4.2	Effects of ROW Preparation and Construction	4-18
4.10.4.3	Post-Construction Impacts and Effects of Maintenance .	4-19
4.11	EMERGENCY DISASTER PREPAREDNESS PLANS	4-19
5.0	ENVIRONMENTAL EFFECTS OF SITE PREPARATION, AND PLANT AND ASSOCIATED FACILITIES CONSTRUCTION	5-1
5.1	LAND IMPACT	5-1
5.1.1	GENERAL CONSTRUCTION IMPACTS	5-1
5.1.2	ROADS	5-2
5.1.3	FLOOD ZONES	5-2
5.1.4	TOPOGRAPHY AND SOILS	5-3
5.2	IMPACT ON SURFACE WATER BODIES AND USES	5-3
5.2.1	IMPACT ASSESSMENT	5-3
5.2.2	MEASURING AND MONITORING PROGRAMS	5-3
5.3	GROUNDWATER IMPACTS	5-4
5.3.1	IMPACT ASSESSMENT	5-4
5.3.2	MEASURING AND MONITORING PROGRAMS	5-4