

## **Appendix F**

### **GEIS Environmental Issues Not Applicable to St. Lucie Units 1 and 2**

**Table F-1.**

ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1		GEIS	
	Category	Sections	Comment
<b>SURFACE WATER QUALITY, HYDROLOGY, AND USE (FOR ALL PLANTS)</b>			
Altered thermal stratification of lakes	1	4.2.1.2.3 4.4.2.2	St. Lucie Units 1 and 2 do not discharge to a lake.
Altered salinity gradients	1	4.2.1.2.2 4.4.2.2	St Lucie Units 1 and 2 discharge to the ocean.
Eutrophication	1	4.2.1.2.3 4.4.2.2	St Lucie Units 1 and 2 discharge to a large oceanic water body.
Water-use conflicts (plants with cooling ponds or cooling towers using makeup water from a small river with low flow)	2	4.3.2.1 4.4.2.1	The St. Lucie Units 1 and 2 cooling system does not use makeup water from a small river with low flow.
<b>AQUATIC ECOLOGY (FOR ALL PLANTS)</b>			
Premature emergence of aquatic insects	1	4.2.2.1 4.4.3	Aquatic insects only present in freshwater environments.
<b>AQUATIC ECOLOGY (FOR PLANTS WITH COOLING-TOWER-BASED HEAT DISSIPATION SYSTEMS)</b>			
Entrainment of fish and shellfish in early life stages	1	4.3.3	This issue is related to heat-dissipation systems that are not installed at St. Lucie Units 1 and 2.
Impingement of fish and shellfish	1	4.3.3	This issue is related to heat-dissipation systems that are not installed at St. Lucie Units 1 and 2.
Heat shock	1	4.3.3	This issue is related to heat-dissipation systems that are not installed at St. Lucie Units 1 and 2.

(a) The GEIS was originally issued in 1996. Addendum 1 to the GEIS was issued in 1999. Hereafter, all references to the “GEIS” include the GEIS and its Addendum 1.

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Table F-1.

ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1	GEIS		Comment
	Category	Sections	
Groundwater Protection at St. Lucie Environmental Protection Station 1, Environmental Protection Station			

for License Renewal of Nuclear Plants