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## **Appendix F**

### **GEIS Environmental Issues Not Applicable to the Edwin I. Hatch Nuclear Plant, Units 1 and 2**

## Appendix F

### GEIS Environmental Issues Not Applicable to the Edwin I. Hatch Nuclear Plant, Units 1 and 2

The following table lists those environmental issues listed in the *Generic Environmental Impact Statement for License Renewal of Nuclear Plants (GEIS)*, NUREG-1437 (NRC 1996; 1999),<sup>(a)</sup> and 10 CFR Part 51, Subpart A, Appendix B, Table B-1, that are not applicable to the Edwin I. Hatch Nuclear Plant (HNP), Units 1 and 2, because of plant or site characteristics.

ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1	Category	GEIS Sections	Comment
<b>SURFACE WATER QUALITY, HYDROLOGY, AND USE (FOR ALL PLANTS)</b>			
Altered salinity gradients	1	4.2.1.2.2 4.4.2.2	HNP's cooling system does not discharge to an estuary.
Altered thermal stratification of lakes	1		HNP's cooling system does not discharge into a lake.
Water-use conflicts (plants with once-through cooling systems)	1	4.3.2.1 4.4.2.1	HNP does not use a once-through heat dissipation system.
<b>AQUATIC ECOLOGY (FOR PLANTS WITH ONCE-THROUGH AND COOLING POND HEAT DISSIPATION SYSTEMS)</b>			
Entrainment of fish and shellfish in early life stages	2	4.3.3	This issue is related to heat dissipation systems that are not installed at HNP.
Impingement of fish and shellfish	2	4.3.3	This issue is related to heat dissipation systems that are not installed at HNP.
Heat shock	2	4.3.3	This issue is related to heat dissipation systems that are not installed at HNP.

(a) The GEIS was originally issued in 1996. Addendum 1 to the GEIS was issued in 1999. In this document, all references to the "GEIS" include the GEIS and its Addendum 1.

Appendix F

1 2	<b>ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1</b>	<b>Category</b>	<b>GEIS Sections</b>	<b>Comment</b>
3	<b>GROUNDWATER USE AND QUALITY</b>			
4 5 6	Groundwater-use conflicts (potable and service water, and dewatering; plants that use <100 gpm)	1	4.8.1.1 4.8.2.1	HNP uses > 100 gpm of groundwater.
7 8	Groundwater-use conflicts (Ranney wells)	2	4.8.1.4	HNP does not have or use Ranney wells.
9 10	Groundwater quality degradation (Ranney wells)	1	4.8.2.2	HNP does not have or use Ranney wells.
11 12	Groundwater quality degradation (saltwater intrusion)	1	4.8.2.1	HNP does not use a cooling pond heat dissipation system.
13 14	Groundwater quality degradation (cooling ponds in salt marshes)	1	4.8.3	HNP does not use a cooling pond heat dissipation system.
15 16	Groundwater quality degradation (cooling ponds at inland sites)	2	4.8.3	HNP does not use a cooling pond heat dissipation system.
17	<b>TERRESTRIAL RESOURCES</b>			
18 19	Cooling pond impacts on terrestrial resources	1	4.4.4	HNP does not use a cooling pond heat dissipation system.

**F.1 References**

10 CFR Part 51, Subpart A, Appendix B, “Environmental effect of renewing the operating license of a nuclear power plant.”

U.S. Nuclear Regulatory Commission (NRC). 1996. *Generic Environmental Impact Statement for License Renewal of Nuclear Plants*. NUREG-1437, Washington, D.C.

U.S. Nuclear Regulatory Commission (NRC) 1999. *Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Main Report, Section 6.3 - Transportation, Table 9.1, Summary of findings on NEPA Issues for License Renewal of Nuclear Power Plants*. NUREG-1437, Vol. 1, Addendum 1, Washington, D.C.