

## **Appendix F**

### **GEIS Environmental Issues Not Applicable to R.E. Ginna Nuclear Power Plant**

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

**Table F-1.** GEIS Environmental Issues Not Applicable to Ginna

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	Issue applies to a saltwater receiving water body, which Ginna does not have.
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	Ginna cooling systems do not use makeup water from a small river with low flow.
<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	Ginna does not dissipate heat using cooling towers.
Impingement of fish and shellfish	1	4.3.3	Ginna does not dissipate heat using cooling towers.
Heat shock	1	4.3.3	Ginna does not dissipate heat using cooling towers.

(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. (cont)

ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1	Category	GEIS Sections	Comment
<b>HUMAN HEALTH</b>			
Microbiological organisms (public health) (plants using lakes or canals or cooling towers that discharge into a small river)	2	4.3.6	Issue applies only to heated effluents discharged into a small river.
Microbiological organisms (occupational health)	1	4.3.6	Ginna does not dissipate heat using cooling towers.
<b>GROUNDWATER USE AND QUALITY</b>			
Groundwater-use conflicts (potable and service water, and dewatering; plants that use >100 gpm)	2	4.8.1.1 4.8.2.1	Ginna uses <100 gpm of groundwater.
Groundwater-use conflicts (plants using cooling towers withdrawing makeup water from a small river)	2	4.8.1.3 4.4.2.1	Ginna does not dissipate heat using cooling towers.
Groundwater-use conflicts (Ranney wells)	2	4.8.1.4	Ginna does not have or use Ranney wells.
Groundwater quality degradation (Ranney wells)	1	4.8.2.2	Ginna does not have or use Ranney wells.
Groundwater quality degradation (saltwater intrusion)	1	4.8.2.1	Ginna is not located near saltwater.
Groundwater quality degradation (cooling ponds in salt marshes)	1	4.8.3	Ginna does not have cooling ponds in salt marshes.
Groundwater quality degradation (cooling ponds at inland sites)	2	4.8.3	Ginna does not use cooling ponds.

Table F-1. (cont)

ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1	Category	GEIS Sections	Comment
TERRESTRIAL RESOURCES			
Cooling tower impacts on crops and ornamental vegetation	1	4.3.4	Ginna does not dissipate heat using cooling towers.
Cooling tower impacts on native plants	1	4.3.5.1	Issue applies to a heat dissipation system feature, cooling towers, which Ginna does not have.
Bird collisions with cooling towers	1	4.3.5.2	Issue applies to a heat dissipation system feature, cooling towers, which Ginna does not have.
Cooling pond impacts on terrestrial resources	1	4.4.4	Ginna does not use cooling ponds.

## F.1 References

10 CFR Part 51. Code of Federal Regulations, Title 10, *Energy*, Part 51, “Environmental Protection Regulations for Domestic Licensing and Related Regulatory Functions.”

U.S. Nuclear Regulatory Commission (NRC). 1996. *Generic Environmental Impact Statement for License Renewal of Nuclear Plants*. NUREG-1437, Volumes 1 and 2, 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, Final Report.” NUREG-1437, Volume 1, Addendum 1, NRC, Washington, D.C.