

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)^(a) 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 |
|---|----------|--------------------|---|
| SURFACE WATER QUALITY, HYDROLOGY, AND USE (FOR ALL PLANTS) | | | |
| 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. |
| AQUATIC ECOLOGY (FOR PLANTS WITH COOLING TOWER BASED HEAT DISSIPATION SYSTEMS) | | | |
| 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.

Appendix F

Table F-1. (cont)

| ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1 | Category | GEIS Sections | Comment |
|--|-----------------|--------------------------|---|
| HUMAN HEALTH | | | |
| 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. |
| GROUNDWATER USE AND QUALITY | | | |
| 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.