

## **Appendix F**

### **GEIS Environmental Issues Not Applicable to Catawba Nuclear Station, Units 1 and 2**

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Table F-1 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 Catawba Nuclear Station Units 1 and 2, (Catawba) because of plant or site characteristics.

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

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	Catawba discharges into fresh water, not into an estuary.
Water-use conflicts (plants with once-through cooling systems)	1	4.2.1.3	Catawba uses cooling towers rather than once-through cooling.
<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	Catawba uses cooling towers rather than once-through cooling.
Impingement of fish and shellfish	2	4.3.3	Catawba uses cooling towers rather than once-through cooling.
Heat Shock	2	4.3.3	Catawba uses cooling towers rather than once-through cooling.

(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.

Table F-1. (contd)

ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1	Category	GEIS Sections	Comment
<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 4.8.1.2	Groundwater consumption at Catawba is <100 gpm
Groundwater-use conflicts (Ranney wells)	2	4.8.1.4	Catawba does not use Ranney wells.
Groundwater quality degradation (Ranney wells)	1	4.8.2.2	Catawba does not use Ranney wells.
Groundwater quality degradation (saltwater intrusion)	1	4.8.2.1	Not applicable due to the location of Catawba.
Groundwater quality degradation (cooling ponds in salt marshes)	1	4.8.3	Not applicable due to the location of Catawba.
Groundwater quality degradation (cooling ponds at inland sites)	2	4.8.3	Catawba does not use a cooling pond heat dissipation system.
<b>TERRESTRIAL RESOURCES</b>			
Cooling pond impacts on terrestrial resources	1	4.4.4	Catawba 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*, NUREG-1437, Volume 1, Addendum 1, Washington, D.C.