

Appendix F

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

Appendix F

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

1 Table F-1 lists those environmental issues listed in the *Generic Environmental Impact*
 2 *Statement for License Renewal of Nuclear Plants* (GEIS) (NRC 1996; 1999)^(a) and 10 CFR
 3 Part 51, Subpart A, Appendix B, Table B-1, that are not applicable to Catawba Nuclear Station,
 4 Units 1 and 2, (Catawba) because of plant or site characteristics.

5
 6 **Table F-1.** GEIS Environmental Issues Not Applicable to Catawba
 7

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 4.4.2.2	Catawba discharges into fresh water, not into and estuary.
Water-use conflicts (plants with once-through cooling systems)	1	4.2.1.3	Catawba uses cooling towers rather than once-through cooling.
AQUATIC ECOLOGY (FOR PLANTS WITH ONCE-THROUGH AND COOLING POND HEAT DISSIPATION SYSTEMS)			
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.

Appendix F

Table F.1. (contd)

ISSUE—10 CFR Part 51, Subpart A, Appendix B, Table B-1	Category	GEIS Sections	Comment
GROUNDWATER USE AND QUALITY			
Groundwater-use conflicts (potable and service water, and dewatering; plants that use >100gpm)	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.
TERRESTRIAL RESOURCES			
Cooling pond impacts on terrestrial resources	1	4.4.4	Catawba does not use cooling ponds.

F.1 References

10 CFR 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.