

Appendix F

GEIS Environmental Issues Not Applicable to V.C. Summer

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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)^(a) and 10 CFR Part 51, Subpart A, Appendix B, Table B-1, that are not applicable to the Virgil C. Summer Nuclear Station (V.C. Summer) because of plant or site characteristics.

Table F-1. GEIS Environmental Issues Not Applicable to V.C. Summer

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	V.C. Summer cooling system does not discharge to an estuary.
AQUATIC ECOLOGY (FOR PLANTS WITH COOLING TOWER BASED HEAT-DISSIPATION SYSTEMS)			
Entrainment of fish and shellfish in early life stages	1	4.3.3	This issue is related to heat-dissipation systems that are not installed at V.C. Summer
Impingement of fish and shellfish	1	4.3.3	This issue is related to heat-dissipation systems that are not installed at V.C. Summer.
Heat shock	1	4.3.3	This issue is related to heat-dissipation systems that are not installed at V.C. Summer.
GROUNDWATER USE AND QUALITY			
Groundwater-use conflicts (Ranney wells)	2	4.8.1.4	V.C. Summer does not have or use Ranney wells.
Groundwater quality degradation (Ranney wells)	1	4.8.2.2	V.C. Summer does not have or use Ranney wells.

(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
GROUNDWATER USE AND QUALITY			
Groundwater quality degradation (saltwater intrusion)	1	4.8.2.1	V.C. Summer is not in a coastal area.
Groundwater quality degradation (cooling ponds in salt marshes)	1	4.8.3	This issue is related to salt marshes which are not present at V.C. Summer.
Groundwater use conflicts (potable and service water, and dewatering; plants that use >100 gpm)	2	4.8.1.1 4.8.1.2	V.C. Summer uses less than 100 gpm groundwater.
Groundwater-use conflicts (plants using cooling towers withdrawing makeup water from a small river)	2	4.8.1.3 4.4.2.1	This issue is related to heat-dissipation systems that are not installed at V.C. Summer.
TERRESTRIAL RESOURCES			
Cooling tower impacts on crops and ornamental vegetation	1	4.3.4	This issue is related to a heat-dissipation system that is not installed at V.C. Summer.
Cooling tower impacts on native plants	1	4.3.5.1	This issue is related to a heat-dissipation system that is not installed at V.C. Summer.
Bird collisions with cooling towers	1	4.3.5.2	This issue is related to a heat-dissipation system that is not installed at V.C. Summer.
HUMAN HEALTH			
Microbial organisms (occupational health)	1	4.3.6	V.C. Summer does not have or use a cooling tower for condenser cooling.

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. Washington, D.C.