

Appendix F

GEIS Environmental Issues Not Applicable to Peach Bottom Units 2 and 3

Appendix F

GEIS Environmental Issues Not Applicable to Peach Bottom Units 2 and 3

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 Peach Bottom, Units 2 and 3, because of plant or site characteristics.

Table F-1. GEIS Environmental Issues Not Applicable to Peach Bottom Units 2 and 3

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	The Conowingo Pond is a freshwater lake with no salinity gradient.
AQUATIC ECOLOGY (FOR PLANTS WITH COOLING-TOWER-BASED HEAT DISSIPATION SYSTEMS)			
Entrainment of fish and shellfish in early life stages	1	4.2.2.1.2	Because Peach Bottom Units 2 and 3 operate primarily with a once-through heat dissipation system, entrainment is a Category 2 issue and is discussed in Section 4.1.2.
Impingement of fish and shellfish	1	4.2.2.1.3	Because Peach Bottom Units 2 and 3 operate primarily with a once-through heat dissipation system, impingement is a Category 2 issue and is discussed in Section 4.1.3.
Heat shock	1	4.2.2.1.4	Because Peach Bottom Units 2 and 3 operate primarily with a once-through heat dissipation system, heat shock is a Category 2 issue and is discussed in Section 4.1.4.

(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
GROUND-WATER USE AND QUALITY			
Ground-water use conflicts (potable and service water, and dewatering; plants that use >100 gpm)	2	4.8.1.1 4.8.2.1	Peach Bottom Station uses <100 gpm of groundwater.
Ground-water-use conflicts (Ranney wells)	2	4.8.1.4	Peach Bottom Units 2 and 3 do not have or use Ranney wells.
Ground-water quality degradation (Ranney wells)	1	4.8.2.2	Peach Bottom Units 2 and 3 do not have or use Ranney wells.
Ground-water quality degradation (saltwater intrusion)	1	4.8.2.1	Peach Bottom Station uses <100 gpm of groundwater, and is not near a saltwater body.
Ground-water quality degradation (cooling ponds in salt marshes)	1	4.8.3	This refers to a feature (cooling ponds) not installed at Peach Bottom.
Ground-water quality degradation (cooling ponds at inland sites)	2	4.8.3	This refers to a feature (cooling ponds) not installed at Peach Bottom.
TERRESTRIAL RESOURCES			
Cooling pond impacts on terrestrial resources	1	4.4.4	This refers to a feature (cooling ponds) not installed at Peach Bottom.

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.