

Appendix F

GEIS Environmental Issues Not Applicable to James A. FitzPatrick Nuclear Power Plant

Appendix F:
GEIS Environmental Issues Not Applicable
to James A. FitzPatrick Nuclear Power Plant

Table F-1 lists those environmental issues identified in the *Generic Environmental Impact Statement for License Renewal of Nuclear Plants* (GEIS), NUREG-1437, Volumes 1 and 2 (NRC 1996; 1999) and Title 10 of the *Code of Federal Regulations*, Part 51 (10 CFR Part 51), Subpart A, Appendix B, Table B-1, that are not applicable to James A. FitzPatrick Nuclear Power Plant (JAFNPP) because of plant or site characteristics.

Table F-1. GEIS Environmental Issues Not Applicable
to James A. FitzPatrick Nuclear Power Plant

ISSUES—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	The JAFNPP cooling system does not discharge to an estuary.
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	The JAFNPP cooling system does 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	This issue is related to heat-dissipation systems that are not installed at JAFNPP.
Impingement of fish and shellfish	1	4.3.3	This issue is related to heat-dissipation systems that are not installed at JAFNPP.
Heat shock	1	4.3.3	This issue is related to heat-dissipation systems that are not installed at JAFNPP.

Table F-1. (continued)

ISSUES—10 CFR Part 51, Subpart A, Appendix B, Table B-1	Category	GEIS Sections	Comment
GROUNDWATER USE AND QUALITY			
Impacts of refurbishment on groundwater use and quality	1	3.4.2	JAFNPP does not use groundwater.
Groundwater use conflicts (potable and service water, and dewatering; plants that use <100 gallons per minutes [gpm])	1	4.8.1.1; 4.8.1.2	JAFNPP does not use groundwater.
Groundwater use conflicts (potable and service water, and dewatering; plants that use >100 gpm)	2	4.8.1.1; 4.8.2.1	JAFNPP does not use 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 JAFNPP.
Groundwater-use conflicts (Ranney wells)	2	4.8.1.4	JAFNPP do not have or use Ranney wells.
Groundwater quality degradation (Ranney wells)	1	4.8.2.2	JAFNPP do not have or use Ranney wells.
Groundwater quality degradation (saltwater intrusion)	1	4.8.2.1	JAFNPP does not use groundwater.
Groundwater quality degradation (cooling ponds in salt marshes)	1	4.8.3	JAFNPP does not use groundwater.
Groundwater quality degradation (cooling ponds at inland sites)	2	4.8.3	JAFNPP does not use groundwater.
TERRESTRIAL RESOURCES			
Cooling tower impacts on crops and ornamental vegetation	1	4.3.4	This issue is related to heat-dissipation systems that are not installed at JAFNPP.
Cooling tower impacts on native plants	1	4.3.5.1	This issue is related to heat-dissipation systems that are not installed at JAFNPP.
Bird collisions with cooling towers	1	4.3.5.2	This issue is related to heat-dissipation systems that are not installed at JAFNPP.
Cooling pond impacts on terrestrial resources	1	4.4.4	This issue is related to heat-dissipation systems that are not installed at JAFNPP.

Table F-1. (continued)

ISSUES—10 CFR Part 51, Subpart A, Appendix B, Table B-1	Category	GEIS Sections	Comment
HUMAN HEALTH			
Microbial organisms (public health) (plants using lakes or canals, or cooling towers or cooling ponds that discharge to a small river).	2	4.3.6	The JAFNPP cooling system does not discharge to a small river.

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.

