Appendix E

Southern Nuclear Operating Company's Compliance Status and Consultation Correspondence

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Southern Nuclear Operating Company's Compliance Status and Consultation Correspondence

As part of Southern Nuclear Operating Company's (SNC's) application for renewal of its operating licenses for Units 1 and 2, they prepared a list of licenses, permits, consultations, and other approvals obtained form Federal, State, regional, and local authorities pertinent to Edwin I. Hatch Nuclear Plant (HNP) operations. The list is shown in the first attachment.

The second attachment includes correspondence prepared and sent during the evaluation of the application for renewal of the operating license for the HNP, Units 1 and 2.

* Letter from NRC to Charles A. Oravetz, National Marine Fisheries Service, dated August 31, 2000, transmitting biological assessment for license renewal at E.I. Hatch Nuclear Power Plant, Units 1 and 2, and request for informal consultation on shortnose sturgeon (TAC Nos. MA8330 and MA8332).

Table E-1. Federal, State, Local, and Regional Licenses, Permits, Consultations, and Other Approvals Pertinent to Current HNP Station Operation

Agency	Authority	Requirements	HNP Number	Issue Date	Expiration Date	Remarks
CoE	Federal Clean Water Act (Section 404)	Maintenance Dredging Permit	940003870	03/19/95	09/31/04	The permit authorizes periodic dredging in the Altamaha river at the HNP intake structure.
CoE	River and Harbor Act (Section 10) Clean Water Act (Section 404)	Permit for Construction of a Weir	199101536	04/08/93	02/01/03	The permit authorizes construction of a temporary water retaining wall structure (weir) in the Altamaha River near the HNP intake structure. The weir would be placed in the river on in the event of an extreme low flow situation in the river, after supplemental flows from upstream reservoirs are near exhaustion.
GADNR	Georgia Groundwater Use Act, (Georgia Laws 1972 et seq., as amended by Georgia Laws 1973, et seq.)	State Groundwater Use Permit	001-0001	12/16/97	12/04/04	The permit authorizes withdrawal of groundwater from 4 wells for use at HNP sanitary facilities, process water, central water supply, and make-up water for a wildlife habitat pond.
GADNR	Georgia Water Quality Control Act, (Georgia Law 1964, et seq.)	State Surface Water Withdrawal Permit	001-0690-01	12/16/97	01/01/10	Permit authorizes withdrawal of surface water from the Altamaha for cooling water at HNP.
EPA; GADNR	Federal Clean Water Act (33 USC 1251 et seq.); Georgia Water Quality Control Act, (Georgia Law 1964, et seq.)	Individual Discharge Permit	GA 0004120	09/15/97	08/31/02	Permit contains effluent limits for HNP combined plant waste steams, including sanitary wastewater, cooling water, and cooling tower blow down. SNP would have to submit a renewal application to GADNR no later than 180 days beyond the expiration date to receive authorization to discharge beyond the expiration date of August 31, 2002.
EPA;GADNR	Federal Clean Water Act (33 USC 1251 et seq.); Georgia Water Quality Control Act, (Georgia Law 1964, et seq.)	Stormwater Discharge Permit	GAR000000	06/01/98	05/31/03	The permit covers all discharges of storm water associated with industrial activities. SNC would have to notify GADNR before new storm water discharges from sites where industrial activity will occur.

Table E-1. (contd)

Agency	Authority	Requirements	HNP Number	Issue Date	Expiration Date	Remarks
EPA;GADNR	Federal Safe Drinking Water Act [42 USC 300(f) et seq., 40 CFR Parts 100-149]; Georgia Safe Drinking Water Act of 1997, Chapter 391-3-5	Public water system, production	PG0010005	03/21/91	03/21/01	The permit authorizes withdrawal of groundwater from 2 wells for use as drinking water at HNP.
EPA;GADNR	Federal Safe Drinking Water Act [42 USC 300(f) et seq., 40 CFR Parts 100-149]; Georgia Safe Drinking Water Act of 1997, Chapter 391-3-5	Public water system, recreation site	NG0010011	02/07/95	02/06/05	The permit authorizes withdrawal of groundwater from one well for use at the HNP recreation area.
EPA; GADNR	Resource Conservation and Recovery Act (Solid Waste Disposal Act) (42 USC 6901 et seq.); Georgia Solid Waste Management Act, Section 1486, Georgia Laws of 1972 as amended, Chapter 391-3-4	Solid waste landfill, phase II.	001-004 D(L)(I)	09/12/80	Upon Closure	Imposes restrictions on activities at the HNP landfill.
EPA;GADNR	Federal Clean Air Act, as amended, (42 USC 7401 et seq., (40 CFR 50-99); GA Air Quality Act, Section 12-9-1, et seq. and the Rules, Chapter 391-3-1	Air Quality	4911-001-0001-V-01-0	02/04/99	02/04/04	The permit applies to the following units: Auxiliary Start-up Boiler Number 2 Two diesel engine fire pumps Five for emergency diesel generators One Security power diesel generator.
NRC	10 CFR Part 50	NRC license, HNP Unit 1	DPR-57	08/06/74	08/06/14	None
NRC	10 CFR Part 50	NRC license, HNP Unit 2	NPF-5	06/13/78	06/13/18	None

CFR = Code of Federal Regulations.
CoE = U.S. Corps of Engineers.
EPA = Environmental Protection Agency.
GADNR = Georgia Department of Natural Resources.
HNP = Edwin I. Hatch Nuclear Plant.
NRC = U.S. Nuclear Regulatory Commission.
USC = United States Code.

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August 31, 2000

Charles A. Oravetz, Assistant Regional Administrator
Southeast Regional Office
National Marine Fisheries Service
9721 Executive Center Drive
St. Petersburg, FL 33702

SUBJECT: BIOLOGICAL ASSESSMENT FOR LICENSE RENEWAL AT E. I. HATCH NUCLEAR PLANT, UNITS 1 AND 2 AND REQUEST FOR INFORMAL CONSULTATION (TAC NOS. MA8330 AND MA8332)

Dear Mr. Oravetz:

The NRC staff has prepared the enclosed biological assessment to evaluate whether the proposed renewal of the Edwin I. Hatch Nuclear Power Plant, Units 1 and 2 operating licenses for a period of an additional 20 years would have adverse effects on a listed species. This biological assessment is for the Hatch Nuclear Power Plant, located on the Altamaha River at river kilometer (rkm) 180, in Appling County, Georgia, slightly southeast of the U.S. Highway 1 crossing of the Altamaha River.

The shortnose sturgeon, *Acipenser brevirostrum*, was considered in this biological assessment. The staff has determined that the proposed action is not a major construction activity and that it may affect, but is not likely to adversely affect the shortnose sturgeon. No designated critical habitat for this listed species is located near the proposed action. We are placing this biological assessment in our project files and are requesting your concurrence with our determination.

In reaching our conclusion, the NRC staff relied on information provided by the licensee, on the geographical information system (GIS) date base information provided by the Georgia Natural Heritage Program, on research performed by the NRC staff, and on current listings of species provided by St. Petersburg, Florida office of the National Marine Fisheries Service.

If you have any questions regarding this biological assessment or the staff's request, please contact the environmental project manager, Jim Wilson, by telephone at (301) 415-1108 or by e-mail at jhw1@nrc.gov

Sincerely,

Cynthia A. Carpenter, Chief
Generic Issues, Environmental, Financial
And Rulemaking Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-321 and 50-366

Enclosure: As stated

cc w/ enclosure: See next page

20191817161514131211109 8 7 6 5 4 3 2 1

BIOLOGICAL ASSESSMENT OF THE POTENTIAL IMPACT ON SHORTNOSE STURGEON RESULTING FROM AN ADDITIONAL 20 YEARS OF OPERATION OF THE EDWIN I. HATCH NUCLEAR POWER PLANT, UNITS 1 AND 2

Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

November 2000

NUREG-1437, Supplement 4
August 2000

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November 2000 Co[redacted]

[redacted] Issued a Final Environmental Statement (NES) for Units 1 and 2.

[redacted] *previrostrum* The assessment summarizes plant informat

[a] Predecessor agency to NRC.

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F in winter to 94 F in summer.

E-8

[redacted] of 4.5 F, respectively) resulted in a fully mixed excess temperature of 0.05 F) is [redacted] F. The

Acipenser brevirostrum

is a member of

E-10

E-11

G; the fish are further restricted to a few deep holes near the interface." Recaptures of

E-12

November 2000 17) Students [redacted]

Acipenser *Alosa sapidissima* *Alosa sapidissima* *Acipenser*

This is the only record of larval sturgeon found in the vicinity of

eggs, with mean densities

larvae were present in drift samples from May

sp. (two juveniles and one larva)

November 2000 the [redacted] *Trinectes maculatus* was the most abundant and the only species collected consistently each year.

Acipenser oxyrhynchus

E-16

and shortnose sturgeon. No shortnose sturgeon

10 9 8 7 6 5 4 3 2 1

shortnose sturgeon *Acipenser brevirostrum*

49484746454443424140393837363534333231302928272625242322212019181716151413121110 9 8 7 6 5 4 3 2 1

NUREG-1437, Supplement 4 12. 11. 10. 9. 8. 7. 6. 5. 4. 3. 2. 1. REFERENCES App Appendix E

Germany: Stuttgart [redacted]

oxyrhynchus

previrostrum

Acipenser previrostrum

previrostrum

Acipenser

Acipenser

in North America. E. 61-72 in F.P. Binkowski and S.I. Doroshov (eds.). Prepared by the Shortnose Sturgeon Recovery Team for the National Marine

LeSueur 1818. NOAA Technical

November 2000 23. 22. 21. 20. 19. 18. 17. 16. 15. 14. 13.

County, [redacted]

Acipenser brevirostrum

Acipenser brevirostrum

Acipenser brevirostrum

LeSueur," U.S. Nuclear Regulatory Washburn and Gilbert Associates, Ltd. Report S