

4.0 Environmental Conditions

4.1 Unusual or Important Environmental Events

Any occurrence of an unusual or important event that indicates or could result in significant environmental impact causally related to plant operation shall be recorded and reported to the NRC within 24 hours followed by a written report per Subsection 5.4.2. The following are examples: excessive bird impaction events; onsite plant or animal disease outbreaks; mortality or unusual occurrences of any species protected by the Endangered Species Act of 1973; fish kills or impingement events on the intake screens; increase in nuisance organisms or conditions; unanticipated or emergency discharge of waste water or chemical substances; and damage to vegetation resulting from cooling tower operations.

No routine monitoring programs are required to implement this condition.

4.2 Environmental Monitoring

4.2.1 Aquatic Monitoring

The certifications and permits required under the Clean Water Act provide mechanisms for protecting water quality and, indirectly, aquatic biota. The NRC will rely on the decision made by the State of Georgia under the authority of the Clean Water Act for any requirements for aquatic monitoring.

4.2.2 Terrestrial Monitoring

Terrestrial monitoring is not required.

4.2.3 Maintenance of Transmission Line Corridors

The use of herbicides within the Edwin I. Hatch Nuclear Plant transmission line corridors shall conform to the approved use of selected herbicides as registered by the Environmental Protection Agency and approved by the State of Georgia authorities and applied as directed on the herbicide label.

Records shall be maintained in accordance with EPA or State of Georgia requirements by the licensee's Transmission Operating and Maintenance Department concerning herbicide use. Such records shall be made readily available to the NRC upon request. There shall be no routine reporting requirement associated with this condition.

5.0 Administrative Procedures

5.1 Review and Audit

The licensee shall provide for review and audit of compliance with the EPP. The audits shall be conducted independently of the individual or groups responsible for performing the specific activity. A description of the organization structure utilized to achieve the independent review and audit function and results of the audit activities shall be maintained and made available for inspection.

5.2 Records Retention

Records and logs relative to the environmental aspects of station operation shall be made and retained in a manner convenient for review and inspection. These records and logs shall be made available to NRC on request.

Records of modifications to station structures, systems and components determined to potentially affect the continued protection of the environment shall be retained for the life of the station. All other records, data and logs relating to this EPP shall be retained for five years or, where applicable, in accordance with the requirements of other agencies.

5.3 Changes in Environmental Protection Plan

Requests for changes in the EPP shall include an assessment of the environmental impact of the proposed change and a supporting justification. Implementation of such changes in the EPP shall not commence prior to NRC approval of the proposed changes in the form of a license amendment incorporating the appropriate revision to the EPP.

5.4 Plant Reporting Requirements

5.4.1 Routine Reports

An Annual Environmental Operating Report describing implementation of this EPP for the previous year shall be submitted to the NRC prior to May 1 of each year. The period of the first report shall begin with the date of issuance of this EPP.

The report shall include summaries and analyses of the results of the environmental protection activities required by Subsection 4.2 (if any) of this EPP for the report period, including a comparison with related preoperational studies, operational controls (as appropriate), and previous nonradiological environmental monitoring reports, and an assessment of the observed impacts of the plant operation on the environment. If harmful effects or evidence of trends toward irreversible damage to the environment are observed, the licensee shall provide a detailed analysis of the data and a proposed course of mitigating action.

The Annual Environmental Operating Report shall also include:

- (1) A list of EPP noncompliances and the corrective actions taken to remedy them.
- (2) A list of all changes in station design or operation, tests, and experiments made in accordance with Subsection 3.1 which involved a potentially significant unreviewed environmental question.
- (3) A list of nonroutine reports submitted in accordance with Subsection 5.4.2.

In the event that some results are not available by the report due date, the report shall be submitted noting and explaining the missing results. The missing results shall be submitted as soon as possible in a supplementary report.

5.4.2 Nonroutine Reports

A written report shall be submitted to the NRC within 30 days of occurrence of a nonroutine event. The report shall: (a) describe, analyze, and evaluate the event including extent and magnitude of the impact, and plant operating characteristics; (b) describe the probable cause of the event; (c) indicate the action taken to correct the reported event; (d) indicate the corrective action taken to preclude repetition of the event and to prevent similar occurrences involving similar components or systems; and (e) indicate the agencies notified and their preliminary responses.

Events reportable under this Subsection which also require reports to other Federal, State or local agencies shall be reported in accordance with those reporting requirements in lieu of the requirements of this Subsection. The NRC shall be provided with a copy of such report at the same time it is submitted to the other agency.

ENVIRONMENTAL TECHNICAL SPECIFICATIONS
EDWIN I. HATCH NUCLEAR PLANT
UNIT 1

GEORGIA POWER COMPANY

JUNE 1978

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1.0 Definitions

Aerial Remote Sensing - The measurement or acquisition from aircraft or spacecraft of information on some property of an object or phenomenon by a recording device that is not in physical or intimate contact with the object or phenomenon under study. The technique employs such devices as the camera, radio frequency receivers, and radar systems.

Annually - Once per calendar year at intervals of 12 calendar months, \pm 30 days.

Bi-Weekly - Once every 2 weeks, \pm 4 days.

Ground Truth or Ground Data Surveys - Supporting data collected on the ground and information derived therefrom, as an aid to the interpretation of a remotely recorded survey, such as aerial imagery. To the extent possible, this should be performed concurrently with the airborne surveys.

Infrared, Photographic - Pertaining to or designating that portion of the electromagnetic spectrum with wavelengths just beyond the red end of the visible spectrum. Generally defined as being from 0.7 to about 1.0 μ m, or the useful limits of film sensitivities.

Monthly - Once during each calendar month at 30-day intervals, \pm 6 days.

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Quarterly - Once during each successive 3-month period of the calendar year, counting from January 1, at 13-week intervals, \pm 14 days.

Scale - The ratio of a distance on a photograph or map to its corresponding distance on the ground.

No Definitions
Section is
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Section 1.0 of
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Semi-Annually - Once during each successive 6-month period of the calendar year, counting from January 1, at 6-month intervals, \pm 21 days.

Spectral Band - A width, generally expressed in wavelength or frequency, of a particular portion of the electromagnetic spectrum. A given sensor, e.g., radiometer detector or camera film, is designated to measure or to be sensitive to energy received from that part of the spectrum.

Station and Unit - Station refers to HNP-Units 1 and 2. Unit refers only to HNP 1 or HNP 2, as defined by its usage. Only the individual unit's instrument is applicable to specifications applied to that unit.

Unusual or Important Event - An event that causes potentially significant environmental impact or that could be of public interest concerning environmental impact from plant operation.

Weekly - Once during each calendar week at 7-day intervals, \pm 2 days.

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Page
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Section 2.0 of the EPP
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Protection Issues.

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3.0 Environmental Monitoring - Deleted

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Section 3.0 of
the EPP addresses
Consistency Requirements

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Section 4.0 of the EPP
addresses Environmental
Conditions

4.0 Special Surveillance and Study Activities

4.1 Erosion Control Inspection

4.2 Unusual or Important Events Requirements

Requirements

The licensee shall be alert to the occurrence of unusual or important events. Unusual or important events are those that cause potentially significant environmental impact, or could be of public interest concerning environmental impact from plant operation. The following are examples: unusual or important bird impaction events on cooling tower structures or meteorological towers, onsite plant or animal disease outbreaks, unusual mortality of any species protected by the Endangered Species Act of 1973, fish kills near the HNP site, and significant violations of relevant permits and certifications.

Action

Should an unusual or important event occur, the licensee shall make a report to the NRC as required by 10 CFR 50.72 or 10 CFR 50.73.

Bases

Prompt reporting to the NRC of unusual or important events, as described, is necessary for responsible and orderly regulation of the nation's system of nuclear power reactors. The information thus provided may be useful or necessary to others concerned with the same environmental resources. Prompt knowledge and action may serve to alleviate the magnitude of environmental impact or to place it into a perspective broader than that available to the licensee. The NRC also has an obligation to be responsible to inquiries from the public and the news media concerning potentially significant environmental events at nuclear power stations.

4.3 Exceeding Limits of Other Relevant Permits

Requirements

The licensee shall notify the NRC of occurrences exceeding the limits specified in relevant permits and certificates issued by other Federal, State, and local agencies that are reportable to the agency that issued the permit. This requirement shall apply only to topics of NEPA concern within the NRC area of responsibility as identified in the Environmental Technical Specifications (ETS).

Sections 4.0 and
4.1 contain no
requirements and
have been deleted.

Section 4.2
requirements
have been
relocated to
EPP Section 4.1

Section 4.3
requirements
have been
relocated to
EPP Sections
3.3 and 4.1

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This requirement shall commence with the date of issuance of the operating license for Unit 2 and continue until approval for modification or termination is obtained from the NRC in accordance with section 5.6.3.

Action

The licensee shall make a report to the NRC in the event of a REPORTABLE EVENT exceeding a limit specified in a relevant permit or certificate issued by another Federal, State, or local agency. The report shall be submitted within the time limit specified by the reporting requirement of the corresponding certification or permit issued pursuant to Section 401 or 402 of PL 92-500. The report will consist of a copy of the report made to the Georgia Department of Natural Resources, Environmental Protection Division.

Bases

The NRC is required under NEPA to maintain an awareness of environmental impacts causally related to the construction and operation of facilities licensed under its authority. Further, some of the ETS requirements are couched in terms of compliance with relevant permits, e.g., the NPDES permit, issued by other licensing authorities. The reports of exceeding limits of relevant permits also alert the NRC staff to environmental problems that may require mitigative action.

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4-1

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5.0 Administrative Controls

This section describes administrative and management controls established to implement the Environmental Technical Specifications (ETS). Measures specified in this section include assignments of responsibility, review and audit functions, procedures, and reporting requirements.

Corporate responsibility for implementing the ETS and for assuring that the station is operated in such a way as to provide protection for the environment rests with the Vice President-Nuclear.

Responsibilities for compliance with the ETS and for the environmental monitoring program required by the ETS are given below.

Independent audit shall be provided, as discussed in section 5.3.2, by the Manager-Safety Audit and Engineering Review .

5.1 Responsibility

5.1.1 The Assistant General Manager-Plant Operations (AGM-PO) is responsible for the environmental monitoring programs. The AGM-PO is also responsible for implementing the special surveillance activities described in section 4.

5.1.2 The Manager-Safety Audit and Engineering Review is responsible for assuring that the periodic audits of plant operations and the environmental monitoring activities to ensure conformance with the ETS are conducted.

5.2 Organization

Company organization relative to environmental matters is presented in Chapter 13 of the Plant Hatch Unit 2 updated Final Safety Analysis Report.

Sections 5.0, 5.1 and 5.2 have been deleted and are not addressed in the EPP.

Section 5.0 of the EPP addresses Administrative procedures.

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5.3 Review and Audit

5.3.1 Independent Review

5.3.1.1 The Manager-Environmental Affairs shall review the following:

- a. Proposed changes to plant systems or equipment, provided such changes are identified by the Plant Review Board (PRB) as having a potential adverse environmental impact.
- b. Proposed changes to the Environmental Technical Specifications (ETS).

5.3.1.2 The Safety Review Board (SRB) shall review the following:

- a. Proposed changes to the ETS.
- b. Violations of ETS to determine whether adequate corrective action is being taken to prevent recurrence.
- c. Procedures or changes hereto (which could affect the monitoring of station operation) that may be considered by the Manager-Environmental Affairs or the PRB to be appropriate for SRB review.

5.3.1.4 The PRB shall review the following:

- a. Procedures for implementing the responsibilities specified in section 5.1.1 and proposed changes thereto.
- b. Proposed changes to the ETS.

Section 5.3 and
5.3.1 requirements
have been
functionally replaced by
EPP Section
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5.3.2 Audit Responsibility

5.3.2.1 The Manager-Safety Audit and Engineering Review is responsible for an audit, conducted annually, of the activities of the AGM-PO and the Manager-Environmental Affairs, related to compliance with ETS.

5.3.2.2 Audits of facility activities shall be performed annually under the cognizance of the SRB to ensure conformance of facility operation to provisions of the ETS.

Section 5.3.2 requirements have been functionally replaced by EPP Section 5.1

5.4 State and Federal Permit and Certificates

Section 401 of PL 92-500, the Federal Water Pollution Control Act Amendments of 1972 (FWPCA), requires any applicant for a Federal license or permit to conduct any activity that may result in any discharge into provisions of Sections 301, 302, 306, and 307 of the FWPCA. Section 401 of PL 92-500 further requires that any certification provided under this section shall set any effluent limitations and other limitations and monitoring requirements necessary to assure that any applicant for a Federal license or permit will comply with the applicable limitations. Certifications provided in accordance with Section 401 set forth conditions on the Federal license or permit for which the certification is provided. Accordingly, the licensee shall comply with the requirements set forth in the currently applicable 401 certification and amendments thereto issued to the licensee by the Georgia Environmental Protection Division. In accordance with the provisions of the Georgia Water Quality Control Act, the FWPCA and the rules and regulations promulgated pursuant to each of these acts, the Georgia Environmental Protection Division, under authority delegated by the U.S. EPA, issued NPDES permit No. GA 0004120 to the licensee. The NPDES permit authorizes the licensee to discharge from HNP Units 1 and 2 to the Altamaha River in accordance with effluent limitations, monitoring requirements, and other conditions stipulated in the permit.

Section 5.4 requirements have been functionally replaced by EPP Section 3.2.

Subsequent revisions to the certifications will be accommodated in accordance with the provisions of section 5.6.3.

5.5 Procedures

Detailed written procedures, including applicable checklists and instructions, shall be prepared and followed for all activities involved in implementing the ETS. All procedures shall be maintained in a manner convenient for review and inspection. Procedures that are the responsibility of the AGM-PO shall be kept at the plant. Procedures that are the responsibility of the Manager-Environmental Affairs shall be kept at the Georgia Power Company General Office.

Section 5.5 has been deleted and is not addressed in the EPP.

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5.5.1 Quality Assurance of Program Results

Procedures shall be established to assure the quality of ETS program results, including analytical measurements. These procedures shall document the program in policy directives; designate responsible organizations or individuals; describe purchased services; e.g., contractual laboratory or other contract services; and provide for audits of results and procedures by licensee personnel. In addition, these quality assurance procedures shall provide for systems to identify and correct deficiencies in technical monitoring programs or related administrative activities, to investigate anomalous or suspect results, and to review and evaluate program results.

5.5.2 Compliance with Procedures

In addition to the procedures specified in section 5.5, the station operating procedures shall include provisions to ensure that each unit and all its systems and components are operated in compliance with the conditions established in the Environmental Technical Specifications (ETS).

5.5.3 Changes in Procedures and Station Design or Operation

Changes in the procedures and station design or operation may be made in accordance with section 5.3 and subject to the conditions described below:

- a. The licensee may make changes in the station design and operation and conduct tests and experiments without prior NRC approval, unless the proposed change, test, or experiment involves either a change in the objectives of the ETS, an unreviewed environmental question of substantive impact.

Sections 5.5.1 and 5.5.2 have been deleted and are not addressed in the EPP.

Section 5.3a-d requirements have been functionally replaced by EPP Section 3.1

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- ~~b. A proposed change, test, or experiment shall be deemed to involve an unreviewed environmental question if it concerns:~~
- ~~1. A matter which may result in a significant increase in any adverse environmental impact previously evaluated in the final environmental statement, as modified by staff's testimony at the hearing, supplements thereto, environmental impact appraisals, or in initial or final adjudicatory decisions.~~
 - ~~2. A significant change in effluents or power level.~~
 - ~~3. A matter not previously reviewed and evaluated in the documents specified above which may have a significant adverse environmental impact.~~
- ~~c. The licensee shall maintain records of changes to facility design or operation made pursuant to this section. The licensee also shall maintain records of tests and experiments carried out pursuant to paragraph (a) of this section. These records shall include a written evaluation which provides the bases for the determination that the change, test, or experiment does not involve an unreviewed environmental question of substantive impact, or does not constitute a change in the objectives of the ETS. The licensee shall furnish to the NRC, annually or at such shorter intervals as may be specified in the license, a report containing descriptions, analyses, interpretations, and evaluations of such changes, tests, and experiments.~~
- ~~d. Proposed changes or modifications to plant systems or equipment shall be reviewed in accordance with Section 5.3.~~
- ~~e. Proposed changes to procedures for implementing the responsibilities specified in Section 5.1.1 shall be reviewed and approved by the Plant Review Board (PRB). Temporary changes to the procedures that do not change the intent of the original procedure may be made with the concurrence of two members of the plant management staff, at least one of whom holds a Senior Reactor Operators license on the unit affected. Such changes shall be documented and subsequently reviewed by the PRB and approved by the General Manager-Nuclear Plant, the AGM-PO, or the Assistant General Manager-Plant Support within 14 days of implementation.~~

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5.4

Section 5.3e has been deleted and is not addressed in the EPP

5.5.4 NRC Authority to Require Revisions

The NRC may require modification or revision of changes made by the licensee in accordance with section 5.5.3, as a result of NRC reviews of the results of these programs, if such modifications or revisions are judged necessary to maintain consistency with the initially approved program descriptions or with the intent of the ETS. The NRC also may require modifications or revisions because of changes in plant operation or changes in environmental conditions or concerns associated with plant operation.

5.6 Plant Reporting Requirements

5.6.1 Routine Reports

Annual Environmental Surveillance Report

A report on the environmental surveillance program for the previous calendar year shall be submitted to the NRC within 90 days after January 1 of each year. The report shall include

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summaries, analyses, and interpretations or statistical evaluations, where appropriate, of the results of the environmental monitoring activities for the report period.

The Annual Environmental Surveillance Report also will include the following:

- a. Comparison with preoperational studies, with operational controls (as appropriate), and with previous environmental monitoring reports.
- b. An assessment of the observed impacts of plant operation on the environment.
- c. A summary of:
 1. All instances of Environmental Technical Specifications (ETS) noncompliance and corrective actions taken to remedy them.
 2. Changes to Federal and State permits and certificates made in accordance with section 5.6.3.
 3. Changes in station design or operation that could involve an environmental impact or change in the findings of the final environmental statement.
 4. Changes in the ETS.
 5. Copies of all reports regarding station discharges made in accordance with NPDES permit No. GA 0004120 (and subsequent revisions); these shall include reports made in accordance with Parts 1B and III of the NPDES permit.

If harmful effects or evidence of irreversible damage are detected by monitoring, the licensee shall provide a further analysis of the problem and a proposed course of action to alleviate the problem.

Results of analysis of all nonradiological environmental data collected shall be summarized and tabulated on an annual basis. In the event that some results are not available within 90 days after January 1, the report shall be submitted, noting and explaining the missing results. The missing data shall be submitted as soon thereafter as possible in a supplementary report.

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5.6.2 Nonroutine Reports

(Deleted. Refer to 10 CFR 50.72 and 10 CFR 50.73 for reporting requirements.)

Section 5.6.2 has been functionally replaced
by EPP Section 5.4

5.6.3 Changes in Environmental Technical Specifications
and Permits

5.6.3.1 Changes in Environmental Technical Specifications

Requests for changes in ETS shall be submitted to the NRC for review and authorization in accordance with 10 CFR 50.90. The request shall include an evaluation of the environmental impact of the proposed change and a supporting justification. Implementation of such requested changes in ETS shall not commence prior to incorporation by the NRC of the new specifications in the license.

Section 5.6.3.1
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functionally
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EPP Section 5.3

Proposed changes to the ETS shall be reviewed and approved by the Manager-Environmental Affairs, the Plant Review Board, and the Safety Review Board. Prior to approval, the possible impact of the proposed changes will be evaluated.

5.6.3.2 Changes in Permits and Certificates

Changes or additions to required Federal, State, local, and regional authority permits and certificates for the protection of the environment that pertain to the requirements of the ETS shall be reported to the NRC within 30 days. In the event that the licensee initiates or becomes aware of a request for changes to any water quality requirements, limits, or values stipulated in any certificate or permit issued pursuant to Section 401 or 402 of PL 92-500, which are also the subject of an ETS reporting requirement, the NRC shall be notified concurrently with the authorizing agency. The notification to the NRC shall include an evaluation of the environmental impact of the revised requirement, limit, or value being sought.

If, during NRC's review of the proposed change, it is determined that a potentially severe environmental impact could result from the change, the NRC will consult with the authorizing agency to determine the appropriate action to be taken.

5.7 Records Retention

5.7.1 Records and logs relative to the following areas shall be made and retained for the life of the plant in a manner convenient for review and inspection. These logs shall be made available to the NRC on request.

- a. Records and drawings detailing plant design changes and modifications made to systems and equipment as described in section 5.5.3.
- b. Records of all data from environmental monitoring and surveillance programs required by the ETS.

5.7.2 All other records and logs relating to the ETS shall be retained, in a manner convenient for review and inspection, for 5 years following logging or recording.

5.7.3 These records shall be stored at the plant or at the Georgia Power Company General Office, as appropriate, under the control of the responsible organization.

Section 5.6.3.2
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ENVIRONMENTAL TECHNICAL SPECIFICATIONS
EDWIN I. HATCH NUCLEAR PLANT
UNITS 1 AND 2

GEORGIA POWER COMPANY

JUNE 1978

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~~3.0 Environmental Monitoring - Deleted~~

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Section 4.0 of the EPP
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4.0 Special Surveillance and Study Activities

4.1 Erosion Control Inspection

4.2 Unusual or Important Events Requirements

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Should an unusual or important event occur, the licensee shall make a prompt report to the NRC as required by 10 CFR 50.72 or 10 CFR 50.73.

Bases

Prompt reporting to the NRC of unusual or important events, as described, is necessary for responsible and orderly regulation of the nation's system of nuclear power reactors. The information thus provided may be useful or necessary to others concerned with the same environmental resources. Prompt knowledge and action may serve to alleviate the magnitude of environmental impact or to place it into a perspective broader than that available to the licensee. The NRC also has an obligation to be responsive to inquiries from the public and the news media concerning potentially significant environmental events at nuclear power stations.

4.3 Exceeding Limits of Other Relevant Permits

Requirements

The licensee shall notify the NRC of occurrences exceeding the limits specified in relevant permits and certificates issued by other Federal, State, and local agencies that are reportable to the agency that issued the permit. This requirement shall apply only to topics of NEPA concern within the NRC area of responsibility as identified in the Environmental Technical Specifications (ETS).

Sections 4.0 and 4.1 contain no requirements and have been deleted

Section 4.2 requirements have been relocated to EPP Section 4.1

Section 4.3 requirements have been relocated to EPP sections 3.3 and 4.1.

- Replace this Page -

This requirement shall commence with the date of issuance of the operating license for Unit 2 and continue until approval for modification or termination is obtained from the NRC in accordance with section 5.6.3.

Action

The licensee shall make a report to the NRC in the event of a REPORTABLE EVENT exceeding a limit specified in a relevant permit or certificate issued by another Federal, State, or local agency. The report shall be submitted within the time limit specified by the reporting requirements of the corresponding certification or permit issued pursuant to Section 401 or 402 of PL 92-500. The report will consist of a copy of the report made to the Georgia Department of Natural Resources, Environmental Protection Division.

Bases

The NRC is required under NEPA to maintain an awareness of environmental impacts causally related to the construction and operation of facilities licensed under its authority. Further, some of the ETS requirements are couched in terms of compliance with relevant permits, e.g., the NPDES permit, issued by other licensing authorities. The reports of exceeding limits of relevant permits also alert the NRC staff to environmental problems that may require mitigative action.

See Page
4-1

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5.0 Administrative Controls

This section describes administrative and management controls established to implement the Environmental Technical Specifications (ETS). Measures specified in this section include assignments of responsibility, review and audit functions, procedures, and reporting requirements.

Corporate responsibility for implementing the ETS and for assuring that the station is operated in such a way as to provide protection for the environment rests with the Vice President-Nuclear.

Responsibilities for compliance with the ETS and for the environmental monitoring program required by the ETS are given below.

Independent audit shall be provided, as discussed in section 5.3.2, by the Manager-Safety Audit and Engineering Review.

5.1 Responsibility

5.1.1 The Assistant General Manager-Plant Operations (AGM-PO) is responsible for the environmental monitoring programs. The AGM-PO is also responsible for implementing the special surveillance activities described in section 4.

5.1.2 The Manager-Safety Audit and Engineering Review is responsible for assuring that the periodic audits of plant operations and the environmental monitoring activities to ensure conformance with the ETS are conducted.

5.2 Organization

Company organization relative to environmental matters is presented in Chapter 13 of the Plant Hatch Unit 2 updated Final Safety Analysis Report.

*Section 5.0, 5.1, and 5.2 have been
deleted and are not addressed in the EPP.*

*Section 5.0 of the EPP addresses
Administrative procedures.*

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5.3 Review and Audit

5.3.1 Independent Review

5.3.1.1 The Manager-Environmental Affairs shall review the following:

- a. Proposed changes to plant systems or equipment, provided such changes are identified by the Plant Review Board (PRB) as having a potential adverse environmental impact.
- b. Proposed changes to the Environmental Technical Specifications (ETS).

5.3.1.2 The Safety Review Board (SRB) shall review the following:

- a. Proposed changes to the ETS.
- b. Violations of ETS to determine whether adequate corrective action is being taken to prevent recurrence.
- c. Procedures or changes hereto (which could affect the monitoring of station operation) that may be considered by the Manager-Environmental Affairs or the PRB to be appropriate for SRB review.

5.3.1.4 The PRB shall review the following:

- a. Procedures for implementing the responsibilities specified in section 5.1.1 and proposed changes thereto.
- b. Proposed changes to the ETS.

Section 5.3 (and 5.3.1 requirements have been functionally replaced by EPP Section 5.1

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5.3.2 Audit Responsibility

5.3.2.1 The Manager-Safety Audit and Engineering Review is responsible for an audit, conducted annually, of the activities of the AGM-PO and the Manager-Environmental Affairs, related to compliance with ETS.

5.3.2.2 Audits of facility activities shall be performed annually under the cognizance of the SRB to ensure conformance of facility operation to provisions of the ETS.

5.4 State and Federal Permit and Certificates

Section 401 of PL 92-500, the Federal Water Pollution Control Act Amendments of 1972 (FWPCA), requires any applicant for a Federal license or permit to conduct any activity that may result in any discharge into provisions of Sections 301, 302, 306, and 307 of the FWPCA. Section 401 of PL 92-500 further requires that any certification provided under this section shall set any effluent limitations and other limitations and monitoring requirements necessary to assure that any applicant for a Federal license or permit will comply with the applicable limitations. Certifications provided in accordance with Section 401 set forth conditions on the Federal license or permit for which the certification is provided. Accordingly, the licensee shall comply with the requirements set forth in the currently applicable 401 certification and amendments thereto issued to the licensee by the Georgia Environmental Protection Division. In accordance with the provisions of the Georgia Water Quality Control Act, the FWPCA and the rules and regulations promulgated pursuant to each of these acts, the Georgia Environmental Protection Division, under authority delegated by the U.S. EPA, issued NPDES permit No. GA 0004120 to the licensee. The NPDES permit authorizes the licensee to discharge from HNP Units 1 and 2 to the Altamaha River in accordance with effluent limitations, monitoring requirements, and other conditions stipulated in the permit.

Subsequent revisions to the certifications will be accommodated in accordance with the provisions of section 5.6.3.

5.5 Procedures

Detailed written procedures, including applicable checklists and instructions, shall be prepared and followed for all activities involved in implementing the ETS. All procedures shall be maintained in a manner convenient for review and inspection. Procedures that are the responsibility of the AGM-PO shall be kept at the plant. Procedures that are the responsibility of the Manager-Environmental Affairs shall be kept at the Georgia Power Company General Office.

Section 5.3.2 requirements have been functionally replaced by EPP Section 5.1

Section 5.4 requirements have been functionally replaced by EPP Section 3.2

Section 5.5 has been deleted and is not addressed in the EPP.

5.5.1 Quality Assurance of Program Results

Procedures shall be established to assure the quality of ETS program results, including analytical measurements. These procedures shall document the program in policy directives; designate responsible organizations or individuals; describe purchased services; e.g., contractual laboratory or other contract services; and provide for audits of results and procedures by licensee personnel. In addition, these quality assurance procedures shall provide for systems to identify and correct deficiencies in technical monitoring programs or related administrative activities, to investigate anomalous or suspect results, and to review and evaluate program results.

5.5.2 Compliance with Procedures

In addition to the procedures specified in section 5.5, the station operating procedures shall include provisions to ensure that each unit and all its systems and components are operated in compliance with the conditions established in the Environmental Technical Specifications (ETS).

5.5.3 Changes in Procedures and Station Design or Operation

Changes in the procedures and station design or operation may be made in accordance with section 5.3 and subject to the conditions described below:

- a. The licensee may make changes in the station design and operation and conduct tests and experiments without prior NRC approval, unless the proposed change, test, or experiment involves either a change in the objectives of the ETS, an unreviewed environmental question of substantive impact.

Sections 5.5.1 and 5.5.2 have been deleted and are not addressed in the EPP.

Section 5.3 a-d requirements have been functionally replaced by EPP Section 3.1

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- b. A proposed change, test, or experiment shall be deemed to involve an unreviewed environmental question if it concerns:
1. A matter which may result in a significant increase in any adverse environmental impact previously evaluated in the final environmental statement, as modified by staff's testimony at the hearing, supplements thereto, environmental impact appraisals, or in initial or final adjudicatory decisions.
 2. A significant change in effluents or power level.
 3. A matter not previously reviewed and evaluated in the documents specified above which may have a significant adverse environmental impact.
- c. The licensee shall maintain records of changes to facility design or operation made pursuant to this section. The licensee also shall maintain records of tests and experiments carried out pursuant to paragraph (a) of this section. These records shall include a written evaluation which provides the bases for the determination that the change, test, or experiment does not involve an unreviewed environmental question of substantive impact, or does not constitute a change in the objectives of the ETS. The licensee shall furnish to the NRC, annually or at such shorter intervals as may be specified in the license, a report containing descriptions, analyses, interpretations, and evaluations of such changes, tests, and experiments.
- d. Proposed changes or modifications to plant systems or equipment shall be reviewed in accordance with Section 5.3.
- e. Proposed changes to procedures for implementing the responsibilities specified in Section 5.1.1 shall be reviewed and approved by the Plant Review Board (PRB). Temporary changes to the procedures that do not change the intent of the original procedure may be made with the concurrence of two members of the plant management staff, at least one of whom holds a Senior Reactor Operators license on the unit affected. Such changes shall be documented and subsequently reviewed by the PRB and approved by the General Manager-Nuclear Plant, the AGM-PO, or the Assistant General Manager-Plant Support within 14 days of implementation.

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5.4

Section 5.3c has been deleted and
is not addressed in the EPP.

5.5.4 NRC Authority to Require Revisions

The NRC may require modification or revision of changes made by the licensee in accordance with section 5.5.3, as a result of NRC reviews of the results of these programs, if such modifications or revisions are judged necessary to maintain consistency with the initially approved program descriptions or with the intent of the ETS. The NRC also may require modifications or revisions because of changes in plant operation or changes in environmental conditions or concerns associated with plant operation.

5.6 Plant Reporting Requirements

5.6.1 Routine Reports

Annual Environmental Surveillance Report

A report on the environmental surveillance program for the previous calendar year shall be submitted to the NRC within 90 days after January 1 of each year. The report shall include

Section 5.5.4 has been deleted and is not addressed in the EPP

Sections 5.6 and 5.6.1 have been functionally replaced by EPP section 5.4.

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summaries, analyses, and interpretations or statistical evaluations, where appropriate, of the results of the environmental monitoring activities for the report period.

The Annual Environmental Surveillance Report also will include the following:

- a. Comparison with preoperational studies, with operational controls (as appropriate), and with previous environmental monitoring reports.
- b. An assessment of the observed impacts of plant operation on the environment.
- c. A summary of:
 1. All instances of Environmental Technical Specifications (ETS) noncompliance and corrective actions taken to remedy them.
 2. Changes to Federal and State permits and certificates made in accordance with section 5.6.3.
 3. Changes in station design or operation that could involve an environmental impact or change in the findings of the final environmental statement.
 4. Changes in the ETS.
 5. Copies of all reports regarding station discharges made in accordance with NPDES Permit No. GA 0004120 (and subsequent revisions); these shall include reports made in accordance with Parts IB and III of the NPDES permit.

If harmful effects or evidence of irreversible damage are detected by monitoring, the licensee shall provide a further analysis of the problem and a proposed course of action to alleviate the problem.

Results of analysis of all nonradiological environmental data collected shall be summarized and tabulated on an annual basis. In the event that some results are not available within 90 days after January 1, the report shall be submitted, noting and explaining the missing results. The missing data shall be submitted as soon thereafter as possible in a supplementary report.

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Page
5-6

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5.6.2 Nonroutine Reports

Deleted. Refer to ~~10 CFR 50.72 and 10 CFR 50.73~~ for reporting requirements.

Section 5.6.2 has been functionally replaced by EPP Section 5.4.

5.6.3 Changes in Environmental Technical Specifications and Permits

5.6.3.1 Changes in Environmental Technical Specifications

Requests for changes in ETS shall be submitted to the NRC for review and authorization in accordance with 10 CFR 50.90. The request shall include an evaluation of the environmental impact of the proposed change and a supporting justification. Implementation of such requested changes in ETS shall not commence prior to incorporation by the NRC of the new specifications in the license.

Section 5.6.3.1 has been functionally replaced by EPP Section 5.3

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Proposed changes to the ETS shall be reviewed and approved by the Manager-Environmental Affairs, the Plant Review Board, and the Safety Review Board. Prior to approval, the possible impact of the proposed changes will be evaluated.

5.6.3.2 Changes in Permits and Certificates

Changes or additions to required Federal, State, local, and regional authority permits and certificates for the protection of the environment that pertain to the requirements of the ETS shall be reported to the NRC within 30 days. In the event that the licensee initiates or becomes aware of a request for changes to any water quality requirements, limits, or values stipulated in any certificate or permit issued pursuant to Section 401 or 402 of PL 92-500, which are also the subject of an ETS reporting requirement, the NRC shall be notified concurrently with the authorizing agency. The notification to the NRC shall include an evaluation of the environmental impact of the revised requirement, limit, or value being sought.

If during the NRC's review of the proposed change, it is determined that a potentially severe environmental impact could result from the change, the NRC will consult with the authorizing agency to determine the appropriate action to be taken.

5.7 Records Retention

5.7.1 Records and logs relative to the following areas shall be made and retained for the life of the plant in a manner convenient for review and inspection. These logs shall be made available to the NRC on request.

- a. Records and drawings detailing plant design changes and modifications made to systems and equipment as described in section 5.5.3.
- b. Records of all data from environmental monitoring and surveillance programs required by the ETS.

5.7.2 All other records and logs relating to the ETS shall be retained, in a manner convenient for review and inspection, for 5 years following logging or recording.

5.7.3 These records shall be stored at the plant or at the Georgia Power Company General Office, as appropriate, under the control of the responsible organization.

Section 5.6.3.2
has been
functionally
replaced by
EPP Section 3.2

Section 5.7
has been
functionally
replaced by
EPP Section
5.2. 1

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Affected Pages of
Operating License DPR-57
Edwin I. Hatch Nuclear Plant
Unit 1

- (2) Pursuant to the Act and 10 CFR Part 70, Georgia Power Company to receive, possess and use at any time special nuclear material as reactor fuel, in accordance with the limitations for storage and amounts required for reactor operation, as described in the Final Safety Analysis Report, as supplemented and amended;
- (3) Pursuant to the Act and 10 CFR Parts 30, 40 and 70 Georgia Power Company to receive, possess and use at any time any byproduct, source and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as required;
- (4) Pursuant to the Act and 10 CFR Parts 30, 40 and 70, Georgia Power Company to receive, possess and use in amounts as required any byproduct, source or special nuclear material without restriction to chemical or physical form, for sample analysis or instrument calibration or associated with radioactive apparatus or components;
- (5) Pursuant to the Act and 10 CFR Parts 30 and 70, Georgia Power Company to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 40.41 of Part 40, Sections 50-54 and 50-59 of Part 50, and Section 70.32 of Part 70; is subject to all applicable provisions of the Act and to the rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified or incorporated below:

(1) Maximum Power Level

The Georgia Power Company is authorized to operate the facility at steady state reactor core power levels not in excess of 2436 megawatts thermal.

(2) Technical Specifications

and the Environmental Protection Plan contained in Appendix B

The Technical Specifications contained in ~~Appendix A and B~~ ^X Appendices A and B, as revised through Amendment No. 158 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

2.C.(4) Physical Protection

The licensee shall fully implement and maintain in effect all provisions of the following Commission-approved documents, including amendments and changes made pursuant to the authority of 10 CFR 50.54(p). These approved documents consist of information withheld from public disclosure pursuant to 10 CFR 2.790(d):

- (a) "Hatch Nuclear Plant Physical Security Plan", dated November 18, 1977, as revised by Revision 1 dated May 19, 1978, Revision 2 dated January 12, 1979, and further revised by inclusion of a Safeguards Contingency Plan, submitted by letter of May 14, 1980. The Contingency Plan shall be fully implemented, in accordance with 10 CFR 73.40(b).
- (b) "Hatch Nuclear Plant Guard Training and Qualification Plan", dated May 1980, as revised July 1980. This Plan shall be followed, in accordance with 10 CFR 73.55(b)(4), 60 days after approval by the Commission. All security personnel, as required in the above plans, shall be qualified within two years of this approval. The licensee may make changes to this plan without prior Commission approval if the changes do not decrease the safeguards effectiveness of the plan. The licensee shall maintain records of and submit reports concerning such changes in the same manner as required for changes made to the Security Plan and Safeguards Contingency Plan pursuant to 10 CFR 50.54(p).

2.C.(5) The licensee shall submit, for the Commission's review and approval, plans for inspection and/or modification during the next refueling outage (following Cycle 7 operation and prior to startup for Cycle 8 operation) of the Recirculation and Reactor Heat Removal Systems piping. These plans shall be submitted to the Commission at least three months prior to the start of the next refueling outage.

D. This license is effective as of the date of issuance and shall expire at midnight, August 6, 2014.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
Roger S. Boyd

for
A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Attachment:
Appendix A ~~and B~~ - Technical Specifications and Appendix B -
Environmental Protection Plan

Amendment No. 83 4/20/81

Amendment No. 93 2/11/83

Amendment No. 159 12/30/88

Affected Pages of
Operating License NPF-5

Edwin I. Hatch Nuclear Plant

Unit 2

(1) Maximum Power Level

Georgia Power Company is authorized to operate the facility at steady state reactor core power levels not in excess of 2436 megawatts thermal in accordance with the conditions specified herein and in Attachment 2 to this license. Attachment 2 is an integral part of this license.

(2) Technical Specifications

the Environmental Protection Plan contained in Appendix

The Technical Specifications contained in Appendixes A and B, as revised through Amendment No. 96, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

(3) Additional Conditions

The matters specified in the following conditions shall be completed to the satisfaction of the Commission within the stated time periods following the issuance of the license or within the operational restrictions indicated. The removal of these conditions shall be made by an amendment to the license supported by a favorable evaluation by the Commission.

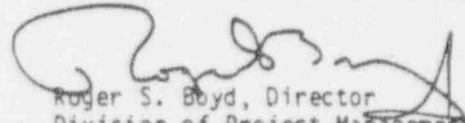
~~(a) Fuel Performance~~

~~Georgia Power Company shall, prior to startup for that cycle of operation in which burnups greater than 20,000 megawatt days per ton of uranium are expected to be obtained, provide for Commission review and obtain Commission approval of GICAP III calculations and other affected analyses utilizing fission gas release calculational methodology approved for burnups greater than 20,000 megawatt days per ton of uranium.~~

- (e) Power Company shall use its best efforts to amend any outstanding contract to which it is a party that contains provisions which are inconsistent with the conditions of this license;
- (f) Power Company affirms that no consents are or will become necessary from Power Company's parent, affiliates or subsidiaries to enable Power Company to carry out its obligations hereunder or to enable the entities to enjoy their rights hereunder;
- (g) All provisions of these conditions shall be subject to and implemented in accordance with the laws of the United States and of the State of Georgia, as applicable, and with rules, regulations and orders of agencies of both, as applicable.

G. This license is effective as of the date of issuance and shall expire at midnight, June 13, 2018.

FOR THE NUCLEAR REGULATORY COMMISSION



Roger S. Boyd, Director
Division of Project Management
Office of Nuclear Reactor Regulation

Amendment No. 97 12/30/88

Attachments:

- 1. Appendices A ~~and B~~ - Technical Specifications and Appendix B - Environmental Protection Plan
- 2. Items to be Completed Prior to Opening Main Steam Isolation Valves

Date of Issuance: JUN 13 1978