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U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001


Edwin I. Hatch Nuclear Plant  
Joseph M. Farley Nuclear Plant  
Vogtle Electric Generating Plant  
Annual Non-Radiological Environmental Operating Reports for 2002

Ladies and Gentlemen:

In accordance with Subsection 5.4.1 of the referenced plants' Environmental Protection Plan (Appendix B to the Operating Licenses), Southern Nuclear Operating Company hereby submits the Annual Non-Radiological Environmental Operating Reports for 2002.

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,



J. B. Beasley, Jr.

JBB/sdl

- Enclosures:
1. Hatch Annual Non-Radiological Environmental Operating Report for 2002
  2. Farley Annual Non-Radiological Environmental Operating Report for 2002
  3. Vogtle Annual Non-Radiological Environmental Operating Report for 2002

JEAS

cc: Southern Nuclear Operating Company  
Mr. J. D. Woodard, Executive Vice President (w/o Enclosure)  
Mr. J. B. Beasley, Jr., Vice President, Plant Farley (w/o Enclosure)  
Mr. H. L. Sumner, Jr., Vice President, Plant Hatch (w/o Enclosure)  
Mr. J. T. Gasser, Vice President, Plant Vogtle (w/o Enclosure)  
Mr. D. E. Grissette, General Manager – Plant Farley  
Mr. P. H. Wells, General Manager – Plant Hatch  
Mr. G. R. Frederick, General Manager – Plant Vogtle  
Mr. W. C. Carr, Environmental Services Manager  
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U. S. Nuclear Regulatory Commission

Mr. L. A. Reyes, Regional Administrator  
Mr. F. Rinaldi, NRR Project Manager – Farley  
Mr. S. D. Bloom, NRR Project Manager – Hatch  
Mr. F. Rinaldi, NRR Project Manager – Vogtle  
Mr. T. P. Johnson, Senior Resident Inspector – Farley  
Mr. N. P. Garrett, Acting Senior Resident Inspector – Hatch  
Mr. J. Zeiler, Senior Resident Inspector – Vogtle

State of Alabama

Mr. K. E. Whatley, Department of Public Health, Division of Radiation Control

State of Georgia

Mr. J. L. Setser, Department of Natural Resources

Georgia Power Company

Mr. M. C. Nichols

American Nuclear Insurers

Mr. R. A. Oliveira

**ENCLOSURE 1**

**Edwin I. Hatch Nuclear Plant**

**Annual Non-Radiological Environmental Operating Report for 2002**

## ENCLOSURE 1

### Edwin I. Hatch Nuclear Plant

#### Annual Non-Radiological Environmental Operating Report for 2002

#### **I. Introduction**

This report is submitted in accordance with Subsection 5.4.1 of the Edwin I. Hatch Nuclear Plant Environmental Protection Plan, Appendix B to Facility Operating Licenses DPR-57 and NPF-5. This report describes implementation of the Environmental Protection Plan for the calendar year 2002.

#### **II. Reporting Requirements**

##### **A. Summaries and Analyses of Results of Environmental Protection Activities Required by Subsection 4.2 of the Environmental Protection Plan (EPP) for the Reporting Period**

###### **1. Aquatic Monitoring**

Liquid effluent monitoring was performed in accordance with the State of Georgia National Pollutant Discharge Elimination System (NPDES) Permit GA0004120; there was no additional requirement for aquatic monitoring during 2002.

###### **2. Terrestrial Monitoring**

Terrestrial monitoring is not required.

###### **3. Maintenance of Transmission Line Corridors**

a. Mowing, vegetation re-clearing, and danger tree trimming activities were performed on the HNP-Vidalia and HNP-Baxley corridor during 2002.

b. Mowing was performed along the GTC-Eastman and GTC-Bonair lines. No chemicals or herbicides were used. No activities took place on the GTC-North Tifton line.

##### **B. Comparison of the 2002 Monitoring Activities with Preoperational Studies, Operational Controls, and Previous Non-Radiological Environmental Monitoring Reports**

These comparisons were not required because no non-radiological environmental monitoring programs were conducted during the reporting period beyond those performed in accordance with NPDES Permit No. GA0004120.

##### **C. Assessment of the Observed Impacts of Plant Operation on the Environment**

There were no significant adverse environmental impacts associated with plant operation during 2002.

ENCLOSURE 1

Edwin I. Hatch Nuclear Plant

Annual Non-Radiological Environmental Operating Report for 2002

**D. EPP Noncompliance and Corrective Actions**

There were no EPP noncompliances during 2002.

**E. Changes in Station Design or Operation, Tests, or Experiments Made in Accordance with EPP Subsection 3.1 Which Involved a Potentially Significant Unreviewed Environmental Question**

During 2002, a power uprate request on both Unit 1 and Unit 2 was submitted to the NRC. More accurate feedwater flow devices will be installed to support development of more precise factors for determining the rated reactor power output. The uprates will produce slight changes in the operational parameters associated with the circulating water system. Based on a review of the changes in operating parameters conducted in accordance with Section 3.1 of the EPP, the power uprates proposed on Unit 1 and Unit 2 do not result in a significant adverse environmental impact and are bounded by the conclusions of the Final Environmental Statement. No unreviewed environmental question was involved and no change to the EPP is required.

**F. Nonroutine Reports Submitted in Accordance with EPP Subsection 5.4.2**

There were no nonroutine reports submitted in 2002.

**ENCLOSURE 2**

**Joseph M. Farley Nuclear Plant**

**Annual Non-Radiological Environmental Operating Report for 2002**

## ENCLOSURE 2

### Joseph M. Farley Nuclear Plant

#### Annual Non-Radiological Environmental Operating Report for 2002

#### **I. Introduction**

In accordance with Subsection 5.4.1 of the Joseph M. Farley Nuclear Plant Environmental Protection Plan, Appendix B to Facility Operating License Nos. NPF-2 and NPF-8, this report is submitted summarizing implementation of the Environmental Protection Plan for calendar year 2002.

#### **II. Reporting Requirements**

##### **A. Summaries and Analyses of Results of Environmental Protection Activities Required by Subsection 4.2 of the Environmental Protection Plan (EPP) for the Reporting Period**

1. Aerial Remote Sensing - Aerial Remote Sensing is no longer required.
2. Herbicide Application – There is no reporting requirement associated with this condition.
3. Land Management - There is no reporting requirement associated with this condition.

##### **B. Comparison of the 2002 Monitoring Activities with Preoperational Studies, Operational Controls, and Previous Non-Radiological Environmental Monitoring Reports**

These comparisons were not required because no non-radiological environmental monitoring programs were conducted during the reporting period beyond those performed in accordance with NPDES Permit No. AL0024619.

##### **C. Assessment of the Observed Impacts of Plant Operation on the Environment**

There were no significant adverse environmental impacts associated with plant operation during 2002.

##### **D. EPP Noncompliance and Corrective Actions**

There were no EPP noncompliances during 2002.

ENCLOSURE 2

Joseph M. Farley Nuclear Plant

Annual Non-Radiological Environmental Operating Report for 2002

**E. Changes in Station Design or Operation, Tests, or Experiments Made in Accordance with EPP Subsection 3.1 Which Involved a Potentially Significant Unreviewed Environmental Question**

There were no changes in station design or operation, tests, or experiments in 2002, which involved a potentially significant, unreviewed environmental question.

**F. Nonroutine Reports Submitted in Accordance with EPP Subsection 5.4.2**

There were no nonroutine reports submitted in 2002.



**ENCLOSURE 3**

**Vogtle Electric Generating Plant**

**Annual Non-Radiological Environmental Operating Report for 2002**

## ENCLOSURE 3

### Vogtle Electric Generating Plant

#### Annual Non-Radiological Environmental Operating Report for 2002

#### **I. Introduction**

In accordance with Subsection 5.4.1 of the Vogtle Electric Generating Plant (VEGP) Environmental Protection Plan (Non-radiological), Appendix B to Facility Operating License Nos. NPF-68 and NPF-81, this report is submitted describing implementation of the Environmental Protection Plan for the calendar year 2002.

#### **II. Reporting Requirements**

##### **A. Summaries and Analyses of Results of Environmental Protection Activities Required by Subsection 4.2 of the Environmental Protection Plan (EPP) for the Reporting Period**

1. Aquatic Monitoring - Liquid effluent monitoring was performed in accordance with State of Georgia National Pollutant Discharge Elimination System (NPDES) Permit GA0026786; there was no additional requirement for aquatic monitoring during 2002.
2. Terrestrial Monitoring - Terrestrial monitoring is not required.
3. Maintenance of Transmission Line Corridors
  - a. An EPA-registered and State-approved herbicide was applied to wetland and upland areas along the VEGP-Scherer line. Re-clearing of vegetation was also performed on the VEGP-Scherer line.
  - b. Danger tree trimming was performed on the VEGP-Scherer and VEGP-SCE&G lines.
  - c. Side trimming was performed on the VEGP-SCE&G line.
  - d. Trees were trimmed on the VEGP-Goshen line and an EPA-registered and State-approved herbicide was aerially applied to swamp areas. Danger trees were also cut.
  - e. All routine maintenance activities within the designated cultural properties located along the transmission line corridor were conducted in accordance with the Final Cultural Resources Management Plan. This plan was developed in conjunction with the Georgia Historic Preservation Officer.
4. Noise Monitoring - There were no complaints received by Southern Nuclear Operating Company during 2002 regarding noise along the VEGP-related, high-voltage transmission lines.

ENCLOSURE 3

Vogtle Electric Generating Plant

Annual Non-Radiological Environmental Operating Report for 2002

**B. Comparison of the 2002 Monitoring Activities with Preoperational Studies, Operational Controls, and Previous Non-Radiological Environmental Monitoring Reports**

These programs were not required because no non-radiological environmental monitoring programs were conducted during the reporting period beyond those performed in accordance with NPDES Permit No. GA0026786 referenced in Section A above.

**C. Assessment of the Observed Impacts of Plant Operation on the Environment**

There were no significant adverse environmental impacts associated with plant operation during 2002.

**D. EPP Noncompliance and Corrective Actions**

There were no EPP noncompliances during 2002.

**E. Changes in Station Design or Operation, Tests, or Experiments Made in Accordance with EPP Subsection 3.1 Which Involved a Potentially Significant Unreviewed Environmental Question**

There were no changes in station design or operation, tests, or experiments in 2002, which involved a potentially significant, unreviewed environmental question.

**F. Nonroutine Reports Submitted in Accordance with EPP Subsection 5.4.2**

There were no nonroutine reports submitted in 2002.