Docket Nos. 50-348 and 50-364 DISTRIBUTION See attached page

Mr. D. N. Morey, Vice President Southern Nuclear Operating Co., Inc. Post Office Box 1295 Birmingham, Alabama 35201-1295

Dear Mr. Morey:

SUBJECT:

ISSUANCE OF AMENDMENT NO. 102 TO FACILITY OPERATING LICENSE NO. NPF-2 AND AMENDMENT NO. 95 TO FACILITY OPERATING LICENSE NO. NPF-8 REGARDING A REVISION TO THE REPORTING REQUIREMENTS FOR THE RADIOACTIVE EFFLUENT RELEASE REPORT - JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2 (TAC NOS. M86449 AND M86450)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 102 to Facility Operating License No. NPF-2 and Amendment No. 95 to Facility Operating License No. NPF-8 for the Joseph M. Farley Nuclear Plant, Units 1 and 2. The amendments change the Technical Specifications in response to your submittal dated May 10, 1993.

The amendments revise the Technical Specifications to change the frequency of reporting of radioactive effluents from a semiannual basis to an annual basis pursuant to 10 CFR 50.36a.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's bi-weekly Federal Register notice.

> Sincerely, ORIGINAL SIGNED BY:

Timothy A. Reed, Senior Project Manager Project Directorate II-1 Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 102 to NPF-2

Amendment No. 95 to NPF-8

3. Safety Evaluation

cc w/enclosures: See next page

LA:PDI f.+

PAnderson 9 /28/93

D:PDII-1 SBajwa // 10/29/93

OFFICIAL RECORD COPY

DOCUMENT NAME: G:\FARLEY\FA86449.AMD

NAC FALE CENTER CO

9311120085 931029 PDR ADDCK 05000348

AMENDMENT NO. 102 TO FACILITY OPERATING LICENSE NO. NPF-2 - FARLEY, UNIT 1 AMENDMENT NO. 95 TO FACILITY OPERATING LICENSE NO. NPF-8 - FARLEY, UNIT 2

DISTRIBUTION:

Docket File NRC/Local PDRs
PD II-1 Reading File
S. Varga
S. Bajwa
P. Anderson
T. Reed
OGC
D. Hagan
G. Hill (4)
C. Grimes
G. Zech
ACRS (10)
OPA
OC/LFDCB
E. Merschoff, R-II

cc: Farley Service List



October 29, 1993

Docket Nos. 50-348 and 50-364

Mr. D. N. Morey, Vice President Southern Nuclear Operating Co., Inc. Post Office Box 1295 Birmingham, Alabama 35201-1295

Dear Mr. Morey:

SUBJECT:

ISSUANCE OF AMENDMENT NO. 102 TO FACILITY OPERATING LICENSE NO. NPF-2 AND AMENDMENT NO. 95 TO FACILITY OPERATING LICENSE NO. NPF-8 REGARDING A REVISION TO THE REPORTING REQUIREMENTS FOR THE RADIOACTIVE EFFLUENT RELEASE REPORT - JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2 (TAC NOS. M86449 AND M86450)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 102 to Facility Operating License No. NPF-2 and Amendment No. 95 to Facility Operating License No. NPF-8 for the Joseph M. Farley Nuclear Plant, Units 1 and 2. The amendments change the Technical Specifications in response to your submittal dated May 10, 1993.

The amendments revise the Technical Specifications to change the frequency of reporting of radioactive effluents from a semiannual basis to an annual basis pursuant to 10 CFR 50.36a.

A copy of the related Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's bi-weekly <u>Federal Register</u> notice.

Sincerely,

Timothy A. Reed, Senior Project Manager Project Directorate II-1 Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 102 to NPF-2

Amendment No. 95 to NPF-8

3. Safety Evaluation

cc w/enclosures: See next page Mr. D. N. Morey Southern Nuclear Operating Company, Inc.

cc:

Mr. R. D. Hill, Jr. General Manager - Farley Nuclear Plant Southern Nuclear Operating Co., Inc. Post Office Box 470 Ashford, Alabama 36312

Mr. B. L. Moore, Licensing Manager Southern Nuclear Operating Co., Inc. Post Office Box 1295 Birmingham, Alabama 35201-1295

James H. Miller, III, Esquire Balch and Bingham Law Firm Post Office Box 306 1710 Sixth Avenue North Birmingham, Alabama 35201 Joseph M. Farley Nuclear Plant

State Health Officer Alabama Department of Public Health 434 Monroe Street Montgomery, Alabama 36130-1701

Chairman Houston County Commission Post Office Box 6406 Dothan, Alabama 36302

Regional Administrator, Region II U. S. Nuclear Regulatory Commission 101 Marietta St., N.W., Ste. 2900 Atlanta, Georgia 30323

Resident Inspector
U.S. Nuclear Regulatory Commission
Post Office Box 24 - Route 2
Columbia, Alabama 36319



SOUTHERN NUCLEAR OPERATING COMPANY, INC.

DOCKET NO. 50-348

JOSEPH M. FARLEY NUCLEAR PLANT, UNIT 1 AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 102 License No. NPF-2

- 1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Southern Nuclear Operating Company, Inc. (Southern Nuclear), dated May 10, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
- 2. Accordingly, the license is amended by changes to the Technical Specifications, as indicated in the attachment to this license amendment; and paragraph 2.C.(2) of Facility Operating License No. NPF-2 is hereby amended to read as follows:

(2) <u>Technical Specifications</u>

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 102 , are hereby incorporated in the license. Southern Nuclear shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

S. Singh Bajwa, Acting Director Project Directorate II-1

Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical Specifications

Date of Issuance: October 29, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 102 TO FACILITY OPERATING LICENSE NO. NPF-2

DOCKET NO. 50-348

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

Remove Pages	<u>Insert Pages</u>
XIX	XIX
1-4	1-4
6-17	6-17
6-23	6-23

INDEX

ADMINISTRATIVE CONTROLS

SECTION	PAGE
Review	6-10
Audits	6-11
Authority	6-12
Records	6-12
6.5.3 TECHNICAL REVIEW AND CONTROL	
Activities	6-12
Records	6-13
6.6 REPORTABLE EVENT ACTION	6-14
6.7 SAFETY LIMIT VIOLATION	6-14
6.8 PROCEDURES AND PROGRAMS	6-14
6.9 REPORTING REQUIREMENTS	
6.9.1 ROUTINE REPORTS	
Startup Report	6-15a
Annual Report	6-16
Annual Radiological Environmental Operating Report	6-17
Annual Radioactive Effluent Release Report	6-17
Monthly Operating Report	6-19
Radial Peaking Factor Limit Report	6-19
Annual Diesel Generator Reliability Data Report	6-19
Annual Reactor Coolant System Specific Activity Report	6-20
Annual Sealed Source Leakage Report	6-20
6.9.2 SPECIAL REPORTS	6-20
6.10 RECORD RETENTION	6-20
6.11 RADIATION PROTECTION PROGRAM	6-21a
6.12 HIGH RADIATION AREA	6-22

LIQUID RADWASTE TREATMENT SYSTEM

1.15 This definition deleted. Refer to the Offsite Dose Calculation Manual.

MAJOR CHANGES TO RADIOACTIVE WASTE TREATMENT SYSTEMS

1.16 This definition deleted. Refer to the Offsite Dose Calculation Manual and the Process Control Program.

OFFSITE DOSE CALCULATION MANUAL (ODCM)

1.17 The OFFSITE DOSE CALCULATION MANUAL shall contain the methodology and parameters used in the calculation of offsite doses resulting from radioactive gaseous and liquid effluents, in the calculation of gaseous and liquid effluent monitoring alarm/trip setpoints, and in the conduct of the Radiological Environmental Monitoring Program. The ODCM shall also contain (1) the Radioactive Effluent Controls and Radiological Environmental Monitoring Programs required by Technical Specification 6.8.3 and (2) descriptions of the information that should be included in the Annual Radiological Environmental Surveillance and Annual Radioactive Effluent Release Reports required by Technical Specifications 6.9.1.6, 6.9.1.7, 6.9.1.8 and 6.9.1.9.

OPERABLE - OPERABILITY

1.18 A system, subsystem, train, component or device shall be OPERABLE or have OPERABILITY when it is capable of performing its specified function(s), and when all necessary attendant instrumentation, controls, a normal and an emergency electrical power sources, cooling or seal water, lubrication or other auxiliary equipment that are required for the system, subsystem, train, component or device to perform its function(s) are also capable of performing their related support function(s).

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

6.9.1.6 and 6.9.1.7 The Annual Radiological Environmental Operating Report covering the operation of the unit during the previous calendar year shall be submitted before May 1 of each year. The report shall include summaries, interpretations, and analysis of trends of the results of the Radiological Environmental Monitoring Program for the reporting period. The material provided shall be consistent with the objectives outlined in (1) the ODCM and (2) Sections IV.B.2, IV.B.3, and IV.C of Appendix I to 10 CFR Part 50. A single submittal may be made for a multiple unit station.

ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT

6.9.1.8 and 6.9.1.9 The Annual Radioactive Effluent Release Report covering the operation of the unit during the previous calendar year shall be submitted before May 1 of each year. The report shall include a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released from the unit. The material provided shall be (1) consistent with the objectives outlined in the ODCM and PCP and (2) in conformance with 10 CFR 50.36a and Section IV.B.1 of Appendix I to 10 CFR Part 50. A single submittal may be made for a multiple unit station. The submittal should combine those sections that are common to all units at the station; however, for units with separate radwaste systems, the submittal shall specify the releases of radioactive material from each unit.

6.13 PROCESS CONTROL PROGRAM (PCP)

- 6.13.1 The PCP shall be approved by the Commission prior to implementation.
- 6.13.2 Licensee initiated changes to the PCP:
 - 1. Shall be documented and records of reviews performed shall be retained as required by Specification 6.10.2.o. This documentation shall contain:
 - Sufficient information to support the change together with the appropriate analyses or evaluations justifying the change(s) and
 - b. A determination that the change will maintain the overall conformance of the solidified waste product to existing requirements of Federal, State, or other applicable regulations.
 - Shall become effective after review and acceptance by the PORC and the approval of the General Manager - Nuclear Plant.

6.14 OFFSITE DOSE CALCULATION MANUAL (ODCM)

- 6.14.1 The ODCM shall be approved by the Commission prior to implementation.
- 6.14.2 Licensee initiated changes to the ODCM:
 - 1. Shall be documented and records of reviews performed shall be retained as required by Specification 6.10.2.o. This documentation shall contain:
 - a. Sufficient information to support the change together with the appropriate analyses or evaluations justifying the change(s) and
 - b. A determination that the change will maintain the level of radioactive effluent control required by 10 CFR 20.105, 40 CFR Part 190, 10 CFR 50.36a, and Appendix I to 10 CFR Part 50 and not adversely impact the accuracy or reliability of effluent, dose, or setpoint calculations.
 - 2. Shall become effective after review and acceptance by the PORC and the approval of the General Manager Nuclear Plant.
 - 3. Shall be submitted to the Commission in the form of a complete, legible copy of the entire ODCM as a part of or concurrent with the Annual Radioactive Effluent Release Report for the period of the report in which any change to the ODCM was made. Each change shall be identified by markings in the margin of the affected pages, clearly indicating the area of the page that was changed, and shall indicate the date (e.g., month/year) the change was implemented.



SOUTHERN NUCLEAR OPERATING COMPANY, INC.

DOCKET NO. 50-364

JOSEPH M. EARLEY NUCLEAR PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 95 License No. NPF-8

- 1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Southern Nuclear Operating Company, Inc. (Southern Nuclear), dated May 10, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
- 2. Accordingly, the license is amended by changes to the Technical Specifications, as indicated in the attachment to this license amendment; and paragraph 2.C.(2) of Facility Operating License No. NPF-8 is hereby amended to read as follows:

(2) <u>Technical Specifications</u>

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 95, are hereby incorporated in the license. Southern Nuclear shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

S. Singh Bajwa, Acting Director Project Directorate II-1

Division of Reactor Projects - I/II Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical Specifications

Date of Issuance: October 29, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 95

TO FACILITY OPERATING LICENSE NO. NPF-8

DOCKET NO. 50-364

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised areas are indicated by marginal lines.

Remove Pages	<u>Insert Pages</u>
XIX	XIX
1-4	1-4
6-17	6-17
6-23	6-23

-

INDEX

ADMINISTRATIVE C	ONTROLS
------------------	---------

SECTION	PAGE
Review	6-10
Audits	6-11
Authority	6-12
Records	6-12
6.5.3 TECHNICAL REVIEW AND CONTROL	
Activities	6-12
Records	6-13
6.6 REPORTABLE EVENT ACTION	6-14
6.7 SAFETY LIMIT VIOLATION	6-14
6.8 PROCEDURES AND PROGRAMS	6-14
6.9 REPORTING REQUIREMENTS	
6.9.1 ROUTINE REPORTS	
Startup Report	6-15a
Annual Report	6-16
Annual Radiological Environmental Operating Report	6-17
Annual Radioactive Effluent Release Report	6-17
Monthly Operating Report	6-19
Radial Peaking Factor Limit Report	6-19
Annual Diesel Generator Reliability Data Report	6-19
Annual Reactor Coolant System Specific Activity Report	6-20
Annual Sealed Source Leakage Report	6-20
6.9.2 SPECIAL REPORTS	6-20
6.10 RECORD RETENTION	6-20
6.11 RADIATION PROTECTION PROGRAM	6-21a
6.12 HIGH RADIATION AREA	6-22

LIQUID RADWASTE TREATMENT SYSTEM

1.15 This definition deleted. Refer to the Offsite Dose Calculation Manual.

MAJOR CHANGES TO RADIOACTIVE WASTE TREATMENT SYSTEMS

1.16 This definition deleted. Refer to the Offsite Dose Calculation Manual and the Process Control Program.

OFFSITE DOSE CALCULATION MANUAL (ODCM)

1.17 The OFFSITE DOSE CALCULATION MANUAL shall contain the methodology and parameters used in the calculation of offsite doses resulting from radioactive gaseous and liquid effluents, in the calculation of gaseous and liquid effluent monitoring alarm/trip setpoints, and in the conduct of the Radiological Environmental Monitoring Program. The ODCM shall also contain (1) the Radioactive Effluent Controls and Radiological Environmental Monitoring Programs required by Technical Specification 6.8.3 and (2) descriptions of the information that should be included in the Annual Radiological Environmental Surveillance and Annual Radioactive Effluent Release Reports required by Technical Specifications 6.9.1.6, 6.9.1.7, 6.9.1.8 and 6.9.1.9.

OPERABLE - OPERABILITY

1.18 A system, subsystem, train, component or device shall be OPERABLE or have OPERABILITY when it is capable of performing its specified function(s), and when all necessary attendant instrumentation, controls, a normal and an emergency electrical power sources, cooling or seal water, lubrication or other auxiliary equipment that are required for the system, subsystem, train, component or device to perform its function(s) are also capable of performing their related support function(s).

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

6.9.1.6 and 6.9.1.7 The Annual Radiological Environmental Operating Report covering the operation of the unit during the previous calendar year shall be submitted before May 1 of each year. The report shall include summaries, interpretations, and analysis of trends of the results of the Radiological Environmental Monitoring Program for the reporting period. The material provided shall be consistent with the objectives outlined in (1) the ODCM and (2) Sections IV.B.2, IV.B.3, and IV.C of Appendix I to 10 CFR Part 50. A single submittal may be made for a multiple unit station.

ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT

6.9.1.8 and 6.9.1.9 The Annual Radioactive Effluent Release Report covering the operation of the unit during the previous calendar year shall be submitted before May 1 of each year. The report shall include a summary of the quantities of radioactive liquid and gaseous effluents and solid waste released from the unit. The material provided shall be (1) consistent with the objectives outlined in the ODCM and PCP and (2) in conformance with 10 CFR 50.36a and Section IV.B.1 of Appendix I to 10 CFR Part 50. A single submittal may be made for a multiple unit station. The submittal should combine those sections that are common to all units at the station; however, for units with separate radwaste systems, the submittal shall specify the releases of radioactive material from each unit.

6.13 PROCESS CONTROL PROGRAM (PCP)

- 6.13.1 The PCP shall be approved by the Commission prior to implementation.
- 6.13.2 Licensee initiated changes to the PCP:
 - 1. Shall be documented and records of reviews performed shall be retained as required by Specification 6.10.2.o. This documentation shall contain:
 - a. Sufficient information to support the change together with the appropriate analyses or evaluations justifying the change(s) and
 - b. A determination that the change will maintain the overall conformance of the solidified waste product to existing requirements of Federal, State, or other applicable regulations.
 - 2. Shall become effective after review and acceptance by the PORC and the approval of the General Manager Nuclear Plant.

6.14 OFFSITE DOSE CALCULATION MANUAL (ODCM)

- 6.14.1 The ODCM shall be approved by the Commission prior to implementation.
- 6.14.2 Licensee initiated changes to the ODCM:
 - 1. Shall be documented and records of reviews performed shall be retained as required by Specification 6.10.2.o. This documentation shall contain:
 - a. Sufficient information to support the change together with the appropriate analyses or evaluations justifying the change(s) and
 - b. A determination that the change will maintain the level of radioactive effluent control required by 10 CFR 20.106, 40 CFR Part 190, 10 CFR 50.36a, and Appendix I to 10 CFR Part 50 and not adversely impact the accuracy or reliability of effluent, dose, or setpoint calculations.
 - 2. Shall become effective after review and acceptance by the PORC and the approval of the General Manager Nuclear Plant.
 - 3. Shall be submitted to the Commission in the form of a complete, legible copy of the entire ODCM as a part of or concurrent with the Annual Radioactive Effluent Release Report for the period of the report in which any change to the ODCM was made. Each change shall be identified by markings in the margin of the affected pages, clearly indicating the area of the page that was changed, and shall indicate the date (e.g., month/year) the change was implemented.



SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION RELATED TO AMENDMENT NO.102 TO FACILITY OPERATING LICENSE NO. NPF-2 AND AMENDMENT NO. 95 TO FACILITY OPERATING LICENSE NO. NPF-8 SOUTHERN NUCLEAR OPERATING COMPANY, INC.

JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2

DOCKET NOS. 50-348 AND 50-364

1.0 <u>INTRODUCTION</u>

By letter dated May 10, 1993, the Southern Nuclear Operating Company, Inc. (the licensee), submitted a request for changes to the Joseph M. Farley Nuclear Plant, Units 1 and 2 (Farley), Technical Specifications (TS). The requested changes would revise the Technical Specifications to change the frequency of reporting of radioative effluents from a semiannual basis to an annual basis pursuant to 10 CFR 50.36a.

2.0 EVALUATION

The licensee proposed changes to TS 1.17, 6.9.1.8, 6.9.1.9, and 6.14.2 to change the frequency of submitting the Semiannual Effluent Release Report to an annual basis. In addition, the licensee proposed to change the submittal date from within 60 days after January 1 and July 1 of each year to, prior to May 1 of each year.

Title 10 of the Code of the Federal Regulations, Section 50.36a, Technical Specifications on effluents from nuclear power reactors, was revised effective October 1, 1992, to require that a report to the Commission specifying the quantity of each of the principal radionuclides released to unrestricted areas during the previous twelve months should be prepared and submitted. The new regulation also requires that the time interval between submissions of the reports must be no longer than twelve months. Previously, 10 CFR 50.36a required these reports to be submitted semiannually and within sixty days after January 1 and July 1 of each year. This revision was part of a larger effort to reduce unnecessary burden due to government regulation.

The licensee's proposed changes revise the TS to enable the reporting of effluents on an annual basis. As such, these changes are administrative in nature and will not affect the level of radiological control at Farley. Therefore, the staff finds the proposed changes to be acceptable.

3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the State of Alabama official was notified of the proposed issuance of the amendment. The State official had no comments.

4.0 ENVIRONMENTAL CONSIDERATION

This amendment changes recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.2(c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

5.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: T. Reed

Date: October 29, 1993