

Mr. William T. Cottle  
President and Chief Executive Officer  
STP Nuclear Operating Company  
South Texas Project Electric  
Generating Station  
P. O. Box 289  
Wadsworth, TX 77483

November 18, 1998

SUBJECT: SOUTH TEXAS PROJECT, UNITS 1 AND 2 - AMENDMENT NOS. 100  
AND 87 TO FACILITY OPERATING LICENSE NOS. NPF-76 AND NPF-80  
(TAC NOS. MA2505 AND MA2507)

Dear Mr. Cottle:

The Commission has issued the enclosed Amendment Nos. 100 and 87 to Facility Operating License Nos. NPF-76 and NPF-80 for the South Texas Project, Units 1 and 2 (STP). The amendments consist of changes to the Technical Specifications (TS) in response to your application dated July 6, 1998, as supplemented on October 28, 1998.

The amendments relocate the TS 3/4.7.13 requirements for Area Temperature Monitoring System to the Technical Requirements Manual.

A copy of our related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,

ORIGINAL SIGNED BY:

Thomas W. Alexion, Project Manager  
Project Directorate IV-1  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosures: 1. Amendment No. 100 to NPF-76  
2. Amendment No. 87 to NPF-80  
3. Safety Evaluation

cc w/encls: See next page

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

November 18, 1998

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The amendments relocate the TS 3/4.7.13 requirements for Area Temperature Monitoring System to the Technical Requirements Manual.

A copy of our related Safety Evaluation is enclosed. The Notice of Issuance will be included in the Commission's next biweekly Federal Register notice.

Sincerely,

A handwritten signature in black ink, reading "Thomas W. Alexion". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Thomas W. Alexion, Project Manager  
Project Directorate IV-1  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosures: 1. Amendment No. 100 to NPF-76  
2. Amendment No. 87 to NPF-80  
3. Safety Evaluation

cc w/encls: See next page

Mr. William T. Cottle  
STP Nuclear Operating Company

South Texas, Units 1 & 2

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**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

**STP NUCLEAR OPERATING COMPANY**

**DOCKET NO. 50-498**

**SOUTH TEXAS PROJECT, UNIT 1**

**AMENDMENT TO FACILITY OPERATING LICENSE**

Amendment No. 100  
License No. NPF-76

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by STP Nuclear Operating Company\* acting on behalf of itself and for Houston Lighting & Power Company (HL&P), the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and City of Austin, Texas (COA) (the licensees), dated July 6, 1998, as supplemented on October 28, 1998, 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, as amended, 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.

---

\*STP Nuclear Operating Company is authorized to act for Houston Lighting & Power Company (HL&P), the City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

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-76 is hereby amended to read as follows:

2. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 100 , and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. The license amendment is effective as of its date of issuance, to be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas W. Alexion, Project Manager  
Project Directorate IV-1  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of Issuance: November 18, 1998



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

STP NUCLEAR OPERATING COMPANY

DOCKET NO. 50-499

SOUTH TEXAS PROJECT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 87  
License No. NPF-80

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by STP Nuclear Operating Company\* acting on behalf of itself and for Houston Lighting & Power Company (HL&P), the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and City of Austin, Texas (COA) (the licensees), dated July 6, 1998, as supplemented on October 28, 1998, 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, as amended, 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.

---

\*STP Nuclear Operating Company is authorized to act for Houston Lighting & Power Company (HL&P), the City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas and has exclusive responsibility and control over the physical construction, operation and maintenance of the facility.

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-80 is hereby amended to read as follows:

2. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 87, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. The license amendment is effective as of its date of issuance, to be implemented within 30 days of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas W. Alexion, Project Manager  
Project Directorate IV-1  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical  
Specifications

Date of Issuance: November 18, 1998

ATTACHMENT TO LICENSE AMENDMENT NOS. 100 AND 87

FACILITY OPERATING LICENSE NOS. NPF-76 AND NPF-80

DOCKET NOS. 50-498 AND 50-499

Replace the following pages of the Appendix A Technical Specifications with the attached pages. The revised pages are identified by Amendment number and contain marginal lines indicating the areas of change. The corresponding overleaf pages are also provided to maintain document completeness.

REMOVE

ix  
xv  
3/4 7-31  
3/4 7-32  
B 3/4 7-7

INSERT

ix  
xv  
3/4 7-31  
3/4 7-32  
B 3/4 7-7



# INDEX

## LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS

<u>SECTION</u>	<u>PAGE</u>
3/4.6.3     CONTAINMENT ISOLATION VALVES .....	3/4 6-18
3/4.6.4     COMBUSTIBLE GAS CONTROL	
Hydrogen Analyzers .....	3/4 6-19
Electric Hydrogen Recombiners .....	3/4 6-20
<b><u>3/4.7 PLANT SYSTEMS</u></b>	
3/4.7.1     TURBINE CYCLE	
Safety Valves .....	3/4 7-1
TABLE 3.7-1 MAXIMUM ALLOWABLE POWER RANGE NEUTRON FLUX HIGH SETPOINT WITH INOPERABLE STEAM LINE SAFETY VALVES DURING 4 LOOP OPERATION .....	3/4 7-2
TABLE 3.7-2 STEAM LINE SAFETY VALVES PER LOOP .....	3/4 7-3
Auxiliary Feedwater System .....	3/4 7-4
Auxiliary Feedwater Storage Tank .....	3/4 7-6
Specific Activity .....	3/4 7-7
TABLE 4.7-1 SECONDARY COOLANT SYSTEM SPECIFIC ACTIVITY SAMPLE AND ANALYSIS PROGRAM .....	3/4 7-8
Main Steam Line Isolation Valves .....	3/4 7-9
Atmospheric Steam Relief Valves .....	3/4 7-10
Main Feedwater System .....	3/4 7-10a
3/4.7.2     STEAM GENERATOR PRESSURE/TEMPERATURE LIMITATION .	3/4 7-II
3/4.7.3     COMPONENT COOLING WATER SYSTEM .....	3/4 7-12
3/4.7.4     ESSENTIAL COOLING WATER SYSTEM .....	3/4 7-13
3/4.7.5     ULTIMATE HEAT SINK .....	3/4 7-14
3/4.7.6     (This specification number is not used.)	
3/4.7.7     CONTROL ROOM MAKEUP AND CLEANUP FILTRATION SYSTEM .....	3/4 7-16
3/4.7.8     FUEL HANDLING BUILDING (FHB) EXHAUST AIR SYSTEM .....	3/4 7-19
3/4.7.9     SNUBBERS .....	3/4 7-21
FIGURE 4.7-1 SAMPLE PLAN 2) FOR SNUBBER FUNCTIONAL TEST .....	3/4 7-26
3/4.7.10    SEALED SOURCE CONTAMINATION .....	3/4 7-27
3/4.7.11    (This specification number is not used.)	
3/4.7.12    (This specification number is not used.)	
3/4.7.13    (This specification number is not used.)	
3/4.7.14    ESSENTIAL CHILLED WATER SYSTEM .....	3/4 7-33

## INDEX

### LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS

<u>SECTION</u>	<u>PAGE</u>
<u>3/4.8 ELECTRICAL POWER SYSTEMS</u>	
3/4.8.1 A.C. SOURCES	
Operating.....	3/4 8-1
TABLE 4.8-1 DIESEL GENERATOR TEST SCHEDULE.....	3/4 8-8
Shutdown.....	3/4 8-9
3/4.8.2 D.C. SOURCES	
Operating.....	3/4 8-10
TABLE 4.8-2 BATTERY SURVEILLANCE REQUIREMENTS.....	3/4 8-12
Shutdown.....	3/4 8-13
3/4.8.3 ONSITE POWER DISTRIBUTION	
Operating.....	3/4 8-14
Shutdown.....	3/4 8-16
3/4.8.4 ELECTRICAL EQUIPMENT PROTECTIVE DEVICES	
Containment Penetration Conductor Overcurrent Protective Devices .....	3/4 8-17
<u>3/4.9 REFUELING OPERATIONS</u>	
3/4.9.1 BORON CONCENTRATION.....	3/4 9-1
3/4.9.2 INSTRUMENTATION.....	3/4 9-2
3/4.9.3 DECAY TIME.....	3/4 9-3
3/4.9.4 CONTAINMENT BUILDING PENETRATIONS.....	3/4 9-4
3/4.9.5 COMMUNICATIONS.....	3/4 9-5
3/4.9.6 REFUELING MACHINE .....	3/4 9-6
3/4.9.7 CRANE TRAVEL - FUEL HANDLING BUILDING.....	3/4 9-7
3/4.9.8 RESIDUAL HEAT REMOVAL AND COOLANT CIRCULATION	
High Water Level.....	3/4 9-8
Low Water Level.....	3/4 9-9
3/4.9.9 CONTAINMENT VENTILATION ISOLATION SYSTEM.....	3/4 9-10
3/4.9.10 WATER LEVEL - REFUELING CAVITY .....	3/4 9-11

## INDEX

### BASES

---

<u>SECTION</u>	<u>PAGE</u>
3/4.7.10 SEALED SOURCE CONTAMINATION .....	B 3/4 7-6
3/4.7.11 (Not used)	
3/4.7.12 (Not used)	
3/4.7.13 (Not used)	
3/4.7.14 ESSENTIAL CHILLED WATER SYSTEM .....	B 3/4 7-6
<u>3/4.8 ELECTRICAL POWER SYSTEMS</u>	
3/4.8.1, 3/4.8.2, and 3/4.8.3 A.C. SOURCES, D.C. SOURCES, and ONSITE POWER DISTRIBUTION .....	B 3/4 8-1
3/4.8.4 ELECTRICAL EQUIPMENT PROTECTIVE DEVICES .....	B 3/4 8-3
<u>3/4.9 REFUELING OPERATIONS</u>	
3/4.9.1 BORON CONCENTRATION .....	B 3/4 9-1
3/4.9.2 INSTRUMENTATION .....	B 3/4 9-1
3/4.9.3 DECAY TIME .....	B 3/4 9-1
3/4.9.4 CONTAINMENT BUILDING PENETRATIONS .....	B 3/4 9-1
3/4.9.5 COMMUNICATIONS .....	B 3/4 9-1
3/4.9.6 REFUELING MACHINE .....	B 3/4 9-2
3/4.9.7 CRANE TRAVEL - FUEL HANDLING BUILDING .....	B 3/4 9-2
3/4.9.8 RESIDUAL HEAT REMOVAL AND COOLANT CIRCULATION .....	B 3/4 9-2
3/4.9.9 CONTAINMENT VENTILATION ISOLATION SYSTEM .....	B 3/4 9-2
3/4.9.10 and 3/4.9.11 WATER LEVEL - REFUELING CAVITY and STORAGE POOLS .....	B 3/4 9-3
3/4.9.12 FUEL HANDLING BUILDING EXHAUST AIR SYSTEM .....	B 3/4 9-3
3/4.9.13 SPENT FUEL POOL MINIMUM BORON CONCENTRATION .....	B 3/4 9-3
<u>3/4.10 SPECIAL TEST EXCEPTIONS</u>	
3/4.10.1 SHUTDOWN MARGIN .....	B 3/4 10-1
3/4.10.2 GROUP HEIGHT, INSERTION, AND POWER DISTRIBUTION LIMITS ..	B 3/4 10-1
3/4.10.3 PHYSICS TESTS .....	B 3/4 10-1
3/4.10.4 REACTOR COOLANT LOOPS .....	B 3/4 10-1
3/4.10.5 POSITION INDICATION SYSTEM - SHUTDOWN .....	B 3/4 10-1

## INDEX

### BASES

---

#### SECTION

#### PAGE

#### 3/4.11 RADIOACTIVE EFFLUENTS

3/4.11.1 LIQUID EFFLUENTS . . . . . B 3/4 11-1

3/4.11.2 GASEOUS EFFLUENTS . . . . . B 3/4 11-1

3/4.11.3 DELETED

3/4.11.4 DELETED

#### 3/4.12 RADIOLOGICAL ENVIRONMENTAL MONITORING

3/4.12.1 DELETED

3/4.12.2 DELETED

3/4.12.3 DELETED

**PLANT SYSTEMS**

**3/4.7.13 (NOT USED)**

**SOUTH TEXAS - UNITS 1 & 2**

**3/4 7-31**

**Unit 1 - Amendment No. ~~4~~,59, 100**  
**Unit 2 - Amendment No. ~~47~~, 87**

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## PLANT SYSTEMS

### BASES

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#### 3/4.7.13 (NOT USED)

#### 3/4.7.14 ESSENTIAL CHILLED WATER SYSTEM

The OPERABILITY of the Essential Chilled Water System ensures that sufficient cooling capacity is available for continued operation of safety-related equipment during normal and accident conditions. The redundant cooling capacity of this system, assuming a single failure, is consistent with the assumptions used in the safety analyses.

When a risk-important system or component (for example Essential Chilled Water) is taken out of service, it is important to assure that the impact on plant risk of this and other equipment simultaneously taken out of service can be assessed. The Configuration Risk Management Program evaluates the impact on plant risk of equipment out of service. A brief description of the Configuration Risk Management Program is in Section 6.8.3 (administration section) of the Technical Specification.



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

**SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION**

**RELATED TO AMENDMENT NOS. 100 AND 87 TO**

**FACILITY OPERATING LICENSE NOS. NPF-76 AND NPF-80**

**STP NUCLEAR OPERATING COMPANY**

**DOCKET NOS. 50-498 AND 50-499**

**SOUTH TEXAS PROJECT, UNITS 1 AND 2**

**1.0 INTRODUCTION**

By application dated July 6, 1998, as supplemented on October 28, 1998, STP Nuclear Operating Company, et.al., (the licensee) requested changes to the Technical Specifications (TSs) (Appendix A to Facility Operating License Nos. NPF-76 and NPF-80) for the South Texas Project, Units 1 and 2 (STP). The proposed changes would relocate TS 3/4.7.13, Area Temperature Monitoring System and its associated Bases to the STP Technical Requirements Manual.

**2.0 BACKGROUND**

Section 182a of the Atomic Energy Act (the "Act") requires that applicants for nuclear power plant operation licenses state TSs and that these TSs be included as a part of the license. The Commission's regulatory requirements related to the content of TSs are set forth in 10 CFR 50.36. That regulation requires that the TSs include items in five specific categories, including (1) safety limits, limiting safety system settings and limiting control settings; (2) limiting conditions for operation; (3) surveillance requirements; (4) design features; and (5) administrative controls and states also that the Commission may include additional TSs as it finds to be appropriate. However, the regulation does not specify the particular TSs to be included in a plant's license.

The Commission has provided guidance for the contents of TS limiting conditions for operation in its "Final Policy Statement on Technical Specifications Improvements for Nuclear Power Reactors" (Final Policy Statement), 58 FR 39132 (July 22, 1993), which was codified in 10 CFR 50.36(c)(2)(ii). The four criteria to be used in determining whether a particular matter is required to be included in the TS limiting conditions for operation, are as follows: (1) installed instrumentation that is used to detect, and indicate in the control room, a significant abnormal degradation of the reactor coolant pressure boundary; (2) a process variable design feature, or operating restriction that is an initial condition of a design basis accident or transient analysis that either assumes the failure of or presents a challenge to the integrity of a fission product barrier; (3) a structure, system, or component that is part of the primary success path and which functions or actuates to mitigate a design basis accident or transient that either assumes the failure of or presents a challenge to the integrity of a fission product barrier; or (4) a



structure, system, or component which operating experience or probabilistic safety assessment has shown to be significant to public health and safety.

### 3.0 EVALUATION

The existing TS 3/4.7.13 Conditions, Actions, and Surveillance Requirements for Area Temperature Monitoring are relocated to the Technical Requirements Manual (TRM). The Area Temperature Monitoring ensures equipment in various areas would not be subjected to conditions beyond the defined environmental qualification envelope for the areas. The temperature monitoring system does not serve any primary safety function and has no actuation functions for accident mitigation.

The above relocated requirements relating to installed plant instrumentation are not required to be in the TSs under 10 CFR 50.36, because they do not fall within any of the four criteria discussed above and are therefore, not required to obviate the possibility of an abnormal situation or event giving rise to an immediate threat to the public health and safety. In addition, since the licensee has incorporated the TRM, by reference, into the Updated Final Safety Analysis Report, changes to the TRM would be controlled in accordance with approved station procedures and the requirements of 10 CFR 50.59. The staff, therefore, finds that sufficient regulatory controls exist. Accordingly, the staff has concluded that these requirements may be relocated from the TSs to the licensee's TRM.

### 4.0 STATE CONSULTATION

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

### 5.0 ENVIRONMENTAL CONSIDERATION

The amendments change a requirement with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and change surveillance requirements. The NRC staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding (63 FR 48267 ). Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

## 6.0 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 amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Marsha Gamberoni

Date: November 18, 1998