

Mr. William T. Cottle  
Group Vice-President, Nuclear  
Houston Lighting & Power Company  
South Texas Project Electric  
Generating Station  
P. O. Box 289  
Wadsworth, TX 77483

November 17, 1997

SUBJECT: SOUTH TEXAS PROJECT, UNITS 1 AND 2 - AMENDMENT NOS. 93  
AND 80 TO FACILITY OPERATING LICENSE NOS. NPF-76 AND NPF-80  
(TAC NOS. M96411 AND M96412)

Dear Mr. Cottle:

The Commission has issued the enclosed Amendment Nos. 93 and 80 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 Licenses and the Technical Specifications (TSs) in response to your application dated August 23, 1996, as supplemented by letters dated October 1 and 15, 1996, and January 28, 1997.

The amendments reflect the transfer of operating authority under the Licenses to a new operating company, as approved in the Order dated April 8, 1997. 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. 93 to NPF-76  
2. Amendment No. 80 to NPF-80  
3. Safety Evaluation

cc w/encls: See next page

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Docket File	GHill (4)	PUBLIC	OGC
CHawes(2)	TAlexion (2)	CGrimes	PDIV-1 r/f
ACRS	JRoe	LHurley, RIV	JKilcrease, RIV f/r
JDyer, RIV	EAdensam (EGA1)	BBoger	
Document Name: STP96411.AMD		*See previous concurrence	

OFC	PM/PDIV-1	LA/PDIV-1	PGE*	D/DRCH*	TECH ED*
NAME	TAlexion	CHawes	DMatthews	BBoger	BCalure
DATE	3/6/97	3/6/97	02/20/97	02/25/97	02/28/97
COPY	(YES)NO	YES/NO	YES/NO	YES/NO	YES/NO

OFC	OGC	PD/PDIV-1	D/DRPW	ADPR/NRR	D/NRR
NAME	SHom	WBeckner	JRoe	RZimmerman	SCollins
DATE	3/13/97	3/17/97	4/4/97	4/4/97	4/8/97
COPY	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO

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11/17/97



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

November 17, 1997

Mr. William T. Cottle  
Executive Vice-President &  
General Manager, Nuclear  
Houston Lighting & Power Company  
South Texas Project Electric  
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P. O. Box 289  
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The amendments reflect the transfer of operating authority under the Licenses to a new operating company, as approved in the Order dated April 8, 1997.

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 cursive script, reading "Thomas W. Alexion", is positioned below the word "Sincerely,".

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. 93 to NPF-76  
2. Amendment No. 80 to NPF-80  
3. Safety Evaluation

cc w/encls: See next page

Mr. William T. Cottle  
Houston Lighting & Power Company

South Texas, Units 1 & 2

cc:

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

HOUSTON LIGHTING & POWER COMPANY  
CITY PUBLIC SERVICE BOARD OF SAN ANTONIO  
CENTRAL POWER AND LIGHT COMPANY  
CITY OF AUSTIN, TEXAS  
DOCKET NO. 50-498  
SOUTH TEXAS PROJECT, UNIT 1  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 93  
License No. NPF-76

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Houston Lighting & Power Company\* (HL&P) acting on behalf of itself and for the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and City of Austin, Texas (COA) (the licensees), dated August 23, 1996, as supplemented by letters dated October 1 and 15, 1996, and January 28, 1997, 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 supplemented, 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.

\*Houston Lighting & Power Company is authorized to act for 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 paragraphs 1.A., 1.E., 1.F., 2., 2.A., 2.B.(1), 2.B.(2), 2.B.(3), 2.B.(4), 2.B.(5), 2.B.(6), 2.C.(1), 2.C.(2), 2.C.(3), 2.C.(5), 2.E., 2.F., 2.G., 2.H., of Facility Operating License\* No. NPF-76, changes to the Technical Specifications as indicated in the attachment to this license amendment, and by amending the cover page to Appendix B, Environmental Protection Plan, as follows:
  - 1.A. The application for a license filed by the Houston Lighting & Power Company (HL&P) acting on behalf of itself and for the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and City of Austin, Texas (COA) (the "Owners") complies with the standards and requirements of the Atomic Energy Act of 1954, as of 1954 as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
  - 1.E. STP Nuclear Operating Company (STPNOC)\* is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;
  - 1.F. The Owners have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
  2. Based on the foregoing findings, and approval by the Nuclear Regulatory Commission at a meeting on March 21, 1988, the License for Fuel Loading and Low Power Testing, License No. NPF-71 issued on August 21, 1987 is superseded by Facility Operating License NPF-76, hereby issued to STPNOC, Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company, and City of Austin, Texas (the licensees) to read as follows:
    - 2.A. This license applies to the South Texas Project, Unit 1, a pressurized water reactor, and associated equipment (the facility) owned by Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas and operated by STPNOC. The facility is located in Matagorda County, Texas, west of the Colorado River, 8 miles north-northwest of the town of Matagorda and about 89 miles southwest of Houston and is described in the licensees' Final Safety Analysis Report, as supplemented and amended, and in the licensees' Environmental Report, as supplemented and amended.

\*Pages 1, 2, 3, 4, and 6 of the composite license are attached and reflect these changes.

- 2.B.(1) STPNOC pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use and operate the facility at the designated location in Matagorda County, Texas, in accordance with the procedures and limitations set forth in this license;
- 2.B.(2) Houston Lighting & Power Company (HL&P), the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and the City of Austin, Texas (COA), pursuant to the Act and 10 CFR Part 50, to possess the facility at the designated location in Matagorda County, Texas, in accordance with the procedures and limitations set forth in this license;
- 2.B.(3) STPNOC, pursuant to the Act and 10 CFR Part 70, 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;
- 2.B.(4) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, 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;
- 2.B.(5) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, 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; and
- 2.B.(6) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility authorized herein.

2.C.(1) Maximum Power Level

STPNOC is authorized to operate the facility at reactor core power levels not in excess of 3800 megawatts thermal (100% power) in accordance with the conditions specified herein.

2.C.(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 93, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. STPNOC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

2.C.(3) Antitrust Conditions

Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas (the "Owners") shall comply with the antitrust conditions delineated in Appendix C to this license; Appendix C is hereby incorporated into this license.

STPNOC shall not market or broker power or energy from South Texas Project Unit 1. The Owners are responsible and accountable for the actions of STPNOC to the extent that said actions affect the marketing or brokering of power or energy from South Texas Project Unit 1 and, in any way, contravene the antitrust conditions of this paragraph or Appendix C of this license.

2.C.(5) Safety Parameter Display System (Section 18, SSER No. 4)\*

Before startup after the first refueling outage, HL&P[\*\*] shall perform the necessary activities, provide acceptable responses, and implement all proposed corrective actions related to issues as described in Section 18.2 of SER Supplement 4.

2.E. Fire Protection

STPNOC shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report through Amendment No. 55 and the Fire Hazards Analysis Report through Amendment No. 7, and submittals dated April 29, May 7, 8 and 29, June 11, 25 and 26, 1987, and as approved in the SER (NUREG-0781) dated April 1986 and its Supplements, subject to the following provision:

STPNOC may make changes to the approved fire protection program without prior approval of the Commission, only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

2.F. Physical Security

STPNOC shall fully implement and maintain in effect all provisions of the physical security, guard training and qualification, and safeguards contingency plans previously approved by the Commission and all amendments and revisions to such plans made pursuant to the authority under 10 CFR 50.90 and 10 CFR 50.54(p).

The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "South Texas Project Electric Generating Station Physical Security Plan," with revisions/amendments submitted through March 4, 1988; "South Texas Project Electric Generating Station Security Personnel Qualification and Training

Plan" with revisions submitted through March 4, 1988, and "South Texas Project Electric Generating Station Safeguards Contingency Plan," with revisions/amendments submitted through July 24, 1987.

2.G. Reporting To The Commission


Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, STPNOC shall report any violations of the requirements contained in Section 2.C of this license in the following manner: initial notification shall be made within twenty-four (24) hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 10 CFR 50.73(b), (c), and (e).

2.H. Financial Protection

The Owners shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

3. The license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Samuel J. Collins, Director  
Office of Nuclear Reactor Regulation

- Attachments: 1. Pages 1, 2, 3, 4, and 6 of the License  
2. Changes to the Technical Specifications  
3. Appendix B, Environmental Protection Plan

Date of Issuance: November 17, 1997





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

HOUSTON LIGHTING & POWER COMPANY  
CITY PUBLIC SERVICE BOARD OF SAN ANTONIO  
CENTRAL POWER AND LIGHT COMPANY  
CITY OF AUSTIN, TEXAS  
STP NUCLEAR OPERATING COMPANY  
DOCKET NO. 50-498  
SOUTH TEXAS PROJECT, UNIT 1  
FACILITY OPERATING LICENSE

License No. NPF-76

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for a license filed by the Houston Lighting & Power Company (HL&P) acting on behalf of itself and for the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and City of Austin, Texas (COA) (the "Owners") complies with the standards and requirements of the Atomic Energy Act of 1954, as of 1954 as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
  - B. Construction of the South Texas Project, Unit 1, (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-128 and the application, as amended, the provisions of the Act, and the regulations of the Commission;
  - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission (except as exempted from compliance in Section 2.D. below);
  - D. There is reasonable assurance: (i) that the activities authorized by this operating license 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 set forth in 10 CFR Chapter I (except as exempted from compliance in Section 2.D. below);

- E. STP Nuclear Operating Company (STPNOC)\* is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;
  - F. The Owners have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
  - G. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;
  - H. After weighing the environmental, economic, technical and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of this Facility Operating License No. NPF-76, subject to the conditions for protection of the environment set forth in the Environmental Protection Plan attached as Appendix B, is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied; and
  - I. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70.
2. Based on the foregoing findings, and approval by the Nuclear Regulatory Commission at a meeting on March 21, 1988, the License for Fuel Loading and Low Power Testing, License No. NPF-71 issued on August 21, 1987 is superseded by Facility Operating License NPF-76, hereby issued to STPNOC, Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company, and City of Austin, Texas (the licensees) to read as follows:
- A. This license applies to the South Texas Project, Unit 1, a pressurized water reactor, and associated equipment (the facility) owned by Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas and operated by STPNOC. The facility is located in Matagorda County, Texas, west of the Colorado River, 8 miles north-northwest of the town of Matagorda and about 89 miles southwest of Houston and is described in the licensees' Final Safety Analysis Report, as supplemented and amended, and in the licensees' Environmental Report, as supplemented and amended.
  - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:

\* STPNOC is authorized to act for Houston Lighting & Power Company, 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.

- (1) STPNOC pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use and operate the facility at the designated location in Matagorda County, Texas, in accordance with the procedures and limitations set forth in this license;
  - (2) Houston Lighting & Power Company (HL&P), the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and the City of Austin, Texas (COA), pursuant to the Act and 10 CFR Part 50, to possess the facility at the designated location in Matagorda County, Texas, in accordance with the procedures and limitations set forth in this license;
  - (3) STPNOC, pursuant to the Act and 10 CFR Part 70, 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;
  - (4) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, 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;
  - (5) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, 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; and
  - (6) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility authorized herein.
- C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I and 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  
STPNOC is authorized to operate the facility at reactor core power levels not in excess of 3800 megawatts thermal (100% power) in accordance with the conditions specified herein.

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 93, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. STPNOC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

(3) Antitrust Conditions

Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas (the "Owners") shall comply with the antitrust conditions delineated in Appendix C to this license; Appendix C is hereby incorporated into this license.

STPNOC shall not market or broker power or energy from South Texas Project Unit 1. The Owners are responsible and accountable for the actions of STPNOC to the extent that said actions affect the marketing or brokering of power or energy from South Texas Project Unit 1 and, in any way, contravene the antitrust conditions of this paragraph or Appendix C of this license.

(4) Initial Startup Test Program (Section 14, SER)\*

Any changes to the Initial Test Program described in Section 14 of the Final Safety Analysis Report made in accordance with the provisions of 10 CFR 50.59 shall be reported in accordance with 50.59(b) within one month of such change.

(5) Safety Parameter Display System (Section 18, SSER No. 4)\*

Before startup after the first refueling outage, HL&P[\*\*] shall perform the necessary activities, provide acceptable responses, and implement all proposed corrective actions related to issues as described in Section 18.2 of SER Supplement 4.

(6) Supplementary Containment Purge Isolation (Section 11.5, SSER No. 4)

HL&P shall provide, prior to startup from the first refueling outage, control room indication of the normal and supplemental containment purge sample line isolation valve position.

\* The parenthetical notation following the title of many license conditions denotes the section of the Safety Evaluation Report and/or its supplements wherein the license condition is discussed.

\*\* The original licensee authorized to possess, use and operate the facility was HL&P. Consequently, historical references to certain obligations of HL&P remain in the license conditions.

E. Fire Protection

STPNOC shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report through Amendment No. 55 and the Fire Hazards Analysis Report through Amendment No. 7, and submittals dated April 29, May 7, 8 and 29, June 11, 25 and 26, 1987, and as approved in the SER (NUREG-0781) dated April 1986 and its Supplements, subject to the following provision:

STPNOC may make changes to the approved fire protection program without prior approval of the Commission, only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

F. Physical Security

STPNOC shall fully implement and maintain in effect all provisions of the physical security, guard training and qualification, and safeguards contingency plans previously approved by the Commission and all amendments and revisions to such plans made pursuant to the authority under 10 CFR 50.90 and 10 CFR 50.54(p).

The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "South Texas Project Electric Generating Station Physical Security Plan," with revisions/amendments submitted through March 4, 1988; "South Texas Project Electric Generating Station Security Personnel Qualification and Training Plan" with revisions submitted through March 4, 1988, and "South Texas Project Electric Generating Station Safeguards Contingency Plan," with revisions/amendments submitted through July 24, 1987.

G. Reporting To The Commission

Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, STPNOC shall report any violations of the requirements contained in Section 2.C of this license in the following manner: initial notification shall be made within twenty-four (24) hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 10 CFR 50.73(b), (c), and (e).

H. Financial Protection

The Owners shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

APPENDIX B  
TO  
FACILITY OPERATING LICENSE NOS. NPF-76 AND NPF-80  
SOUTH TEXAS PROJECT

UNITS 1 AND 2

STP NUCLEAR OPERATING COMPANY, ET AL.  
DOCKET NOS. 50-498 AND 50-499

ENVIRONMENTAL PROTECTION PLAN  
(NONRADIOLOGICAL)  
MARCH 1989



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

HOUSTON LIGHTING & POWER COMPANY

CITY PUBLIC SERVICE BOARD OF SAN ANTONIO

CENTRAL POWER AND LIGHT COMPANY

CITY OF AUSTIN, TEXAS

DOCKET NO. 50-499

SOUTH TEXAS PROJECT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 80  
License No. NPF-80

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Houston Lighting & Power Company\* (HL&P) acting on behalf of itself and for the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and City of Austin, Texas (COA) (the licensees), dated August 23, 1996, as supplemented by letters dated October 1 and 15, 1996, and January 28, 1997, 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 supplemented, 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.

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\*Houston Lighting & Power Company is authorized to act for 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 paragraphs 1.A., 1.E., 1.F., 2., 2.A., 2.B.(1), 2.B.(2), 2.B.(3), 2.B.(4), 2.B.(5), 2.B.(6), 2.C.(1), 2.C.(2), 2.C.(3), 2.E., 2.F., 2.G., 2.H., of Facility Operating License<sup>\*</sup> No. NPF-80, changes to the Technical Specifications as indicated in the attachment to this license amendment, and by amending the cover page to Appendix B, Environmental Protection Plan, as follows:

- 1.A. The application for a license filed by the Houston Lighting & Power Company (HL&P) acting on behalf of itself and for the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and City of Austin, Texas (COA) (the "Owners") complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;

- 1.E. STP Nuclear Operating Center (STPNOC)\* is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;

- 1.F. The Owners have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;

2. Based on the foregoing findings, and approval by the Nuclear Regulatory Commission at a meeting on March 28, 1989, the License for Fuel Loading and Low Power Testing, License No. NPF-78 issued on December 16, 1988 is superseded by Facility Operating License NPF-80, hereby issued to STPNOC, Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company, and City of Austin, Texas (the licensees) to read as follows:

- 2.A. This license applies to the South Texas Project, Unit 2, a pressurized water reactor, and associated equipment (the facility) owned by Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas and operated by STPNOC. The facility is located in Matagorda County, Texas, west of the Colorado River, 8 miles north-northwest of the town of Matagorda and about 89 miles southwest of Houston and is described in the licensees' Final Safety Analysis Report, as supplemented and amended, and in the licensees' Environmental Report, as supplemented and amended.

- 2.B.(1) STPNOC pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use and operate the facility at the designated location in Matagorda County, Texas, in accordance with the procedures and limitations set forth in this license;

<sup>\*</sup>Pages 1, 2, 3, 4, 5, and 6 of the composite license are attached and reflect these changes.



- 2.B.(2) Houston Lighting & Power Company (HL&P), the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and the City of Austin, Texas (COA), pursuant to the Act and 10 CFR Part 50, to possess the facility at the designated location in Matagorda County, Texas, in accordance with the procedures and limitations set forth in this license;
- 2.B.(3) STPNOC, pursuant to the Act and 10 CFR Part 70, 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;
- 2.B.(4) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, 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;
- 2.B.(5) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40, and 70, 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; and
- 2.B.(6) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility authorized herein.

2.C.(1) Maximum Power Level

STPNOC is authorized to operate the facility at reactor core power levels not in excess of 3800 megawatts thermal (100% power) in accordance with the conditions specified herein.

2.C.(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 80, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. STPNOC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

2.C.(3) Antitrust Conditions

Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company and City of

Austin, Texas (the "Owners") shall comply with the antitrust conditions delineated in Appendix C to this license; Appendix C is hereby incorporated into this license.

STPNOC shall not market or broker power or energy from South Texas Project Unit 2. The Owners are responsible and accountable for the actions of STPNOC to the extent that said actions affect the marketing or brokering of power or energy from South Texas Project Unit 2 and, in any way, contravene the antitrust conditions of this paragraph or Appendix C of this license.

#### 2.E. Fire Protection

STPNOC shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report through Amendment No. 62 and the Fire Hazards Analysis Report through Amendment No. 7, and submittals dated April 29, May 7, 8 and 29, June 11, 25, and 26, 1987, and as approved in the SER (NUREG-0781) dated April 1986 and its Supplements, subject to the following provisions:

STPNOC may make changes to the approved fire protection program without prior approval of the Commission, only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

#### 2.F. Physical Security

STPNOC shall fully implement and maintain in effect all provisions of the physical security, training and qualification, and safeguards contingency plans previously approved by the Commission and all amendments and revisions to such plans made pursuant to the authority under 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "South Texas Project Electric Generating Station Physical Security Plan," with revisions/amendments submitted through September 30, 1988; "South Texas Project Electric Generating Station Security Personnel Qualification and Training Plan" with revisions submitted through March 4, 1988, and "South Texas Project Electric Generating Station Safeguards Contingency Plan," with revisions/amendments submitted through July 18, 1988.

#### 2.G. Reporting To The Commission

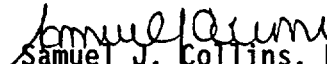
Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, STPNOC shall report any violations of the requirements contained in Section 2.C of this license in the following manner: initial notification shall be made within twenty-four (24) hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 10 CFR 50.73(b), (c), and (e).

2.H. Financial Protection

The Owners shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

3. The license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Samuel J. Collins, Director  
Office of Nuclear Reactor Regulation

- Attachments: 1. Pages 1, 2, 3, 4, 5, and 6 of the License  
2. Changes to the Technical Specifications  
3. Appendix B, Environmental Protection Plan

Date of Issuance: November 17, 1997



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

HOUSTON LIGHTING & POWER COMPANY

CITY PUBLIC SERVICE BOARD OF SAN ANTONIO

CENTRAL POWER AND LIGHT COMPANY

CITY OF AUSTIN, TEXAS

STP NUCLEAR OPERATING COMPANY

DOCKET NO. 50-499

SOUTH TEXAS PROJECT, UNIT 2

FACILITY OPERATING LICENSE

License No. NPF-80

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for a license filed by the Houston Lighting & Power Company (HL&P) acting on behalf of itself and for the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and City of Austin, Texas (COA) (the "Owners") complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
  - B. Construction of the South Texas Project, Unit 2, (the facility) has been substantially completed in conformity with Construction Permit No. CPPR-129 and the application, as amended, the provisions of the Act, and the regulations of the Commission;
  - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the regulations of the Commission (except as exempted from compliance in Section 2.D. below);
  - D. There is reasonable assurance: (i) that the activities authorized by this operating license 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 set forth in 10 CFR Chapter I (except as exempted from compliance in Section 2.D. below);

- E. STP Nuclear Operating Center (STPNOC)\* is technically qualified to engage in the activities authorized by this license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;
  - F. The Owners have satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;
  - G. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;
  - H. After weighing the environmental, economic, technical and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of this Facility Operating License No. NPF-80, subject to the conditions for protection of the environment set forth in the Environmental Protection Plan attached as Appendix B, is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied; and
  - I. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70.
2. Based on the foregoing findings, and approval by the Nuclear Regulatory Commission at a meeting on March 28, 1989, the License for Fuel Loading and Low Power Testing, License No. NPF-78 issued on December 16, 1988 is superseded by Facility Operating License NPF-80, hereby issued to STPNOC, Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company, and City of Austin, Texas (the licensees) to read as follows:
- A. This license applies to the South Texas Project, Unit 2, a pressurized water reactor, and associated equipment (the facility) owned by Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas and operated by STPNOC. The facility is located in Matagorda County, Texas, west of the Colorado River, 8 miles north-northwest of the town of Matagorda and about 89 miles southwest of Houston and is described in the licensees' Final Safety Analysis Report, as supplemented and amended, and in the licensees' Environmental Report, as supplemented and amended.
  - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:

\* STPNOC is authorized to act for Houston Lighting & Power Company, 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.

- (1) STPNOC pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use and operate the facility at the designated location in Matagorda County, Texas, in accordance with the procedures and limitations set forth in this license;
  - (2) Houston Lighting & Power Company (HL&P), the City Public Service Board of San Antonio (CPS), Central Power and Light Company (CPL), and the City of Austin, Texas (COA), pursuant to the Act and 10 CFR Part 50, to possess the facility at the designated location in Matagorda County, Texas, in accordance with the procedures and limitations set forth in this license;
  - (3) STPNOC, pursuant to the Act and 10 CFR Part 70, 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;
  - (4) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, 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;
  - (5) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40, and 70, 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; and
  - (6) STPNOC, pursuant to the Act and 10 CFR Parts 30, 40 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility authorized herein.
- C. This license shall be deemed to contain and is subject to the conditions specified in the Commission's regulations set forth in 10 CFR Chapter I and 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  
STPNOC is authorized to operate the facility at reactor core power levels not in excess of 3800 megawatts thermal (100% power) in accordance with the conditions specified herein.

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 80, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. STPNOC shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

(3) Antitrust Conditions

Houston Lighting & Power Company, City Public Service Board of San Antonio, Central Power and Light Company and City of Austin, Texas (the "Owners") shall comply with the antitrust conditions delineated in Appendix C to this license; Appendix C is hereby incorporated into this license.

STPNOC shall not market or broker power or energy from South Texas Project Unit 2. The Owners are responsible and accountable for the actions of STPNOC to the extent that said actions affect the marketing or brokering of power or energy from South Texas Project Unit 2 and, in any way, contravene the antitrust conditions of this paragraph or Appendix C of this license.

(4) Initial Startup Test Program (Section 14, SR)\*

Any changes to the Initial Test Program described in Section 14 of the Final Safety Analysis Report made in accordance with the provisions of 10 CFR 50.59 shall be reported in accordance with 50.59(b) within one month of such change.

D. Exemptions

The following exemptions are authorized by law and will not endanger life or property or the common defense and security, and certain special circumstances are present. With the granting of these exemptions, the facility will operate, to the extent authorized herein, in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission.

- (1) The facility requires a technical exemption from the requirements of 10 CFR Part 50, Appendix J, Section III.D.2(b)(ii). The justification for this exemption is contained in Section 6.2.6 of Supplement 3 to the Safety Evaluation Report. The staff's environmental assessment was published on December 16, 1986 (53 FR 50605). Therefore, pursuant to 10 CFR 50.12(a)(1),

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\* The parenthetical notation following the title of many license conditions denotes the section of the Safety Evaluation Report and/or its supplements wherein the license condition is discussed.

10 CFR 50.12(a)(2)(ii) and (iii), the South Texas Project Unit 2 is hereby granted an exemption from the quoted requirement and instead, is required to perform the overall air lock leak test at pressure  $P_a$  prior to establishing containment integrity if air lock maintenance has been performed that could affect the air lock sealing capability.

- (2) The facility was previously granted exemption from the criticality monitoring requirements of 10 CFR 70.24 (See Materials License No. SNM-1983 dated August 30, 1988 and Section III.E. of the SER dated August 30, 1988). The South Texas Project Unit 2 is hereby exempted from the criticality monitoring provisions of 10 CFR 70.24 as applied to fuel assemblies held under this license.
- (3) The facility requires a temporary exemption from the schedular requirements of the decommissioning planning rule, 10 CFR 50.33(k) and 10 CFR 50.75. The justification for this exemption is contained in Section 22.2 of Supplement 6 to the Safety Evaluation Report. The staff's environmental assessment was published on December 16, 1988 (53 FR 50604). Therefore, pursuant to 10 CFR 50.12(a)(1), 50.12(a)(2)(ii) and 50.12(a)(2)(v), the South Texas Project, Unit 2 is hereby granted a temporary exemption from the schedular requirements of 10 CFR 50.33(k) and 10 CFR 50.75 and is required to submit the decommissioning plan for both South Texas Project, Units 1 and 2 on or before July 26, 1990.

#### E. Fire Protection

STPNOC shall implement and maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report through Amendment No. 62 and the Fire Hazards Analysis Report through Amendment No. 7, and submittals dated April 29, May 7, 8 and 29, June 11, 25, and 26, 1987, and as approved in the SER (NUREG-0781) dated April 1986 and its Supplements, subject to the following provisions:

STPNOC may make changes to the approved fire protection program without prior approval of the Commission, only if those changes would not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire.

#### F. Physical Security

STPNOC shall fully implement and maintain in effect all provisions of the physical security, training and qualification, and safeguards



contingency plans previously approved by the Commission and all amendments and revisions to such plans made pursuant to the authority under 10 CFR 50.90 and 10 CFR 50.54(p). The plans, which contain Safeguards Information protected under 10 CFR 73.21, are entitled: "South Texas Project Electric Generating Station Physical Security Plan," with revisions/amendments submitted through September 30, 1988; "South Texas Project Electric Generating Station Security Personnel Qualification and Training Plan" with revisions submitted through March 4, 1988, and "South Texas Project Electric Generating Station Safeguards Contingency Plan," with revisions/amendments submitted through July 18, 1988.

G. Reporting To The Commission

Except as otherwise provided in the Technical Specifications or Environmental Protection Plan, STPNOC shall report any violations of the requirements contained in Section 2.C of this license in the following manner: initial notification shall be made within twenty-four (24) hours to the NRC Operations Center via the Emergency Notification System with written follow-up within 30 days in accordance with the procedures described in 10 CFR 50.73(b), (c), and (e).

H. Financial Protection

The Owners shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

I. Effective date and Expiration

This license is effective as of the date of issuance and shall expire at midnight on December 15, 2028.

FOR THE NUCLEAR REGULATORY COMMISSION

Original Signed By: James H. Sniezek/for

Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation

Enclosures:

1. Appendix A, Technical Specifications (NUREG-1346)
2. Appendix B, Environmental Protection Plan
3. Appendix C, Antitrust Conditions

Date of Issuance: March 28, 1989

APPENDIX B  
TO  
FACILITY OPERATING LICENSE NOS. NPF-76 AND NPF-80  
SOUTH TEXAS PROJECT

UNITS 1 AND 2

STP NUCLEAR OPERATING COMPANY, ET AL.  
DOCKET NOS. 50-498 AND 50-499

ENVIRONMENTAL PROTECTION PLAN  
(NONRADIOLOGICAL)  
MARCH 1989

ATTACHMENT TO LICENSE AMENDMENT NOS. 93 AND 80  
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

6-1  
6-9  
6-10  
6-12  
6-13  
6-14

INSERT

6-1  
6-9  
6-10  
6-12  
6-13  
6-14

## ADMINISTRATIVE CONTROLS

### 6.1 RESPONSIBILITY

6.1.1 The Plant Manager shall be responsible for overall unit operation and shall delegate in writing the succession to this responsibility during his absence.

6.1.2 The Shift Supervisor (or during his absence from the control room, a designated individual) shall be responsible for the control room command function. A management directive to this effect, signed by the President and Chief Executive Officer shall be reissued to all station personnel on an annual basis.

### 6.2 ORGANIZATION

#### OFFSITE AND ONSITE ORGANIZATIONS

6.2.1 Onsite and offsite organizations shall be established for unit operation and corporate management, respectively. The onsite and offsite organizations shall include the positions for activities affecting the safety of the nuclear power plant.

- a. Lines of authority, responsibility, and communication shall be established and defined for the highest management levels through intermediate levels to and including all operating organization positions. These relationships shall be documented and updated, as appropriate, in the form of organization charts, functional descriptions of departmental responsibilities and relationships, and job descriptions for key personnel positions, or equivalent forms of documentation. These requirements shall be documented in the FSAR.
- b. The Plant Manager shall be responsible for overall unit safe operation and shall have control over those onsite activities necessary for safe operation and maintenance of the plant.
- c. The Vice President, Nuclear Generation, shall have corporate responsibility for overall plant nuclear safety and shall take any measures needed to ensure acceptable performance of the staff in operating, maintaining, and providing technical support to the plant to ensure nuclear safety.
- d. The individuals who train the operating staff and those who carry out health physics and quality assurance functions may report to the appropriate onsite manager; however, they shall have sufficient organizational freedom to ensure their independence from operating pressures.

#### UNIT STAFF

6.2.2 The unit staff shall be as follows:

- a. Each on-duty shift shall be composed of at least the minimum shift crew composition shown in Table 6.2-1;

## ADMINISTRATIVE CONTROLS

### UNIT STAFF (Continued)

- b. At least one licensed Operator shall be in the control room when fuel is in the reactor. In addition, while the unit is in MODE 1, 2, 3, or 4, at least one licensed Senior Operator shall be in the control room;
- c. A Health Physics Technician\* shall be on site when fuel is in the reactor;
- d. All CORE ALTERATIONS shall be observed and directly supervised by either a licensed Senior Operator or licensed Senior Operator Limited to Fuel Handling who has no other concurrent responsibilities during this operation;
- e. A site Fire Brigade of at least five members\* shall be maintained on site at all times. The Fire Brigade shall not include the Shift Supervisor and the two other members of the minimum shift crew necessary for safe shutdown of the unit and any personnel required for other essential functions during a fire emergency; and
- f. Administrative procedures shall be developed and implemented to limit the working hours of unit staff who perform safety-related functions (e.g., licensed Senior Operators, licensed Operators, health physicists, auxiliary operators, and key maintenance personnel).

Adequate shift coverage shall be maintained without routine heavy use of overtime. The objective shall be to have operating personnel work a nominal 40-hour week while the unit is operating. However, in the event that unforeseen problems require substantial amounts of overtime to be used, or during extended periods of shutdown for refueling, major maintenance, or major plant modification, on a temporary basis the following guidelines shall be followed (except for shift technical advisor personnel):

- 1. An individual should not be permitted to work more than 16 hours straight, excluding shift turnover time.
- 2. An individual should not be permitted to work more than 16 hours in any 24-hour period, nor more than 24 hours in any 48-hour period, nor more than 72 hours in any 7-day period, all excluding shift turnover time.
- 3. A break of at least 8 hours should be allowed between work periods, including shift turnover time.

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\*The Health Physics Technician and Fire Brigade composition may be less than the minimum requirements for a period of time not to exceed 2 hours, in order to accommodate unexpected absence, provided immediate action is taken to fill the required positions.

## ADMINISTRATIVE CONTROLS

### RESPONSIBILITIES (Continued)

#### 6.5.1.7 The PORC shall:

- a. Recommend in writing to the Plant Manager approval or disapproval of items considered under Specification 6.5.1.6a. through e. prior to their implementation, and items considered under Specification 6.5.1.6i. through l.
- b. Render determinations in writing with regard to whether or not each item considered under Specification 6.5.1.6a. through e. and o. constitutes an unreviewed safety question; and
- c. Provide written notification with 24 hours to the President and Chief Executive Officer and the Nuclear Safety Review Board of disagreement between the PORC and the Plant Manager; however, the Plant Manager shall have responsibility for resolution of such disagreements pursuant to Specification 6.1.1.

### RECORDS

6.5.1.8 The PORC shall maintain written minutes of each PORC meeting that, at a minimum, document the results of all PORC activities performed under the responsibility provisions of these Technical Specifications. Copies shall be provided to the President and Chief Executive Officer and the Nuclear Safety Review Board.

#### 6.5.2 NUCLEAR SAFETY REVIEW BOARD (NSRB)

### FUNCTION

6.5.2.1 The NSRB shall function to provide independent review and audit of designated activities in the areas of:

- a. Nuclear power plant operations,
- b. Nuclear engineering,
- c. Chemistry and radiochemistry,
- d. Metallurgy,
- e. Instrumentation and control,
- f. Radiological safety,
- g. Mechanical and electrical engineering,
- h. Civil engineering,
- i. Training,
- j. Nuclear assurance,
- k. Nuclear licensing,
- l. Plant security, and
- m. Environmental impact.

The NSRB shall report to and advise the President and Chief Executive Officer on those areas of responsibility specified in Specifications 6.5.2.7 and 6.5.2.8.

## ADMINISTRATIVE CONTROLS

### COMPOSITION

6.5.2.2 The NSRB shall be composed of at least five members appointed in writing by the President and Chief Executive Officer selected from senior managers reporting to at least the vice president level in the STPEGS Management Organization. Additional members shall be appointed in writing by the President and Chief Executive Officer so the NSRB collectively has the capability to review technical matters listed in Technical Specification 6.5.2.1. The NSRB Chairman shall be appointed in writing from among these members by the President and Chief Executive Officer.

### ALTERNATES

6.5.2.3 All alternate members shall be appointed in writing by the President and Chief Executive Officer to serve on a temporary basis; however, no more than two alternates shall participate as voting members in NSRB activities at any one time.

### CONSULTANTS

6.5.2.4 Consultants shall be utilized as determined by the NSRB Chairman to provide expert advice to the NSRB.

### MEETING FREQUENCY

6.5.2.5 The NSRB shall meet at least once per calendar quarter during the initial year of unit operation following fuel loading and at least once per 6 months thereafter.

### QUORUM

6.5.2.6 The quorum of the NSRB necessary for the performance of the NSRB review and audit functions of these Technical Specifications shall consist of the Chairman or his designated alternate and at least a majority of NSRB members including alternates. No more than a minority of the quorum shall have line responsibility for operation of the unit.

### REVIEW

6.5.2.7 The NSRB shall be responsible for the review of:

- a. The safety evaluations for: (1) changes to procedures, equipment, or systems; and (2) tests or experiments completed under the provision of 10 CFR 50.59, to verify that such actions did not constitute an unreviewed safety question;
- b. Proposed changes to procedures, equipment, or systems which involve an unreviewed safety question as defined in 10 CFR 50.59;

## ADMINISTRATIVE CONTROLS

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### REVIEW (Continued)

- c. Proposed tests or experiences which involve an unreviewed safety question as defined in 10 CFR 50.59;
- d. Proposed changes to Technical Specifications or this Operating License;
- e. Violations of Codes, regulations, orders, Technical Specifications, license requirements, or of internal procedures or instructions having nuclear safety significance;
- f. Significant operating abnormalities or deviations from normal and expected performance of unit equipment that affect nuclear safety;
- g. All REPORTABLE EVENTS;
- h. All recognized indications of an unanticipated deficiency in some aspect of design or operation of structures, systems, or components that could affect nuclear safety; and
- i. Reports and meeting minutes of the PORC.

### AUDITS

6.5.2.8 Audits of unit activities shall be performed under the cognizance of the NSRB. These audits shall encompass:

- a. The conformance of unit operation to provisions contained within the Technical Specifications and applicable license conditions;
- b. The training and qualifications of the unit staff;
- c. Actions taken to correct deficiencies occurring in equipment, structures, systems, components, or method of operation that affect nuclear safety;
- d. The performance of activities required by the Operational Quality Assurance Program to meet the criteria of Appendix B, 10 CFR Part 50;
- e. The fire protection programmatic controls including the implementing procedures;
- f. The fire protection equipment and program implementation utilizing either a qualified offsite licensee fire protection engineer or an outside independent fire protection consultant;
- g. The Radiological Environmental Monitoring Program and the results thereof;



## ADMINISTRATIVE CONTROLS

### AUDITS (Continued)

- h. The OFFSITE DOSE CALCULATION MANUAL and implementing procedures;
- i. The PROCESS CONTROL PROGRAM and implementing procedures for processing and packaging of radioactive wastes;
- j. The performance of activities required by the Quality Assurance Program for effluent and environmental monitoring; and
- k. Other activities and documents as requested by the NSRB or the President and Chief Executive Officer.

### RECORDS

6.5.2.9 Records of NSRB activities shall be prepared, approved, and distributed as indicated below:

- a. Minutes of each NSRB meeting shall be prepared, approved, and forwarded to the President and Chief Executive Officer within 14 days following each meeting;
- b. Reports of reviews encompassed by Specification 6.5.2.7 shall be prepared, approved, and forwarded to the President and Chief Executive Officer within 14 days following completion of the review; and
- c. Audit reports encompassed by Specification 6.5.2.8 shall be forwarded to the President and Chief Executive Officer and to the management positions responsible for the areas audited within 30 days after completion of the audit by the auditing organization.

### 6.5.3 TECHNICAL REVIEW AND CONTROL

#### ACTIVITIES

6.5.3.1 Activities that affect nuclear safety shall be conducted as follows:

- a. Procedures required by Specification 6.8, and other procedures that affect nuclear safety, and changes thereto, shall be prepared, reviewed, and approved. Each such procedure, or change thereto, shall be reviewed by an individual/group other than the individual/group who prepared the procedure, or change thereto, but who may be from the same organization as the individual/group who prepared the procedure, or change thereto. Procedures other than station administrative procedures shall be approved by the Plant Manager, Plant Superintendent, or the head of the responsible department prior to implementation. The Plant Manager shall approve station administrative procedures, security plan implementing procedures, and emergency plan implementing procedures. Temporary changes to procedures, which clearly do not change the intent of the approved procedures, shall be approved prior to implementation by two members of the plant staff,

## ADMINISTRATIVE CONTROLS

### ACTIVITIES (Continued)

at least one of whom holds a Senior Reactor Operator's License. Changes to procedures that may involve a change to the intent of the original procedure shall be approved by the individual authorized to approve the procedure prior to implementation of the change.

- b. Proposed changes or modifications to safety-related structures, systems, and components shall be reviewed as designated by the Plant Manager. Each such modification shall be reviewed by an individual/group other than the individual/group who designed the modification, but who may be from the same organization as the individual/group who designed the modification. Proposed modifications to safety-related structures, systems, and components shall be approved by the Plant Manager prior to implementation.
- c. Proposed tests and experiments that affect nuclear safety and that are not addressed in the Final Safety Analysis Report shall be prepared, reviewed, and approved prior to implementation. Each such test or experiment shall be reviewed by an individual/group other than the individual/group who prepared the test or experiment but who may be from the same organization as the individual/group who prepared the test or experiment. Proposed tests and experiments shall be approved by the Plant Manager.
- d. Individuals responsible for reviews performed in accordance with Specification 6.5.3.1 (a) through (c) shall be members of the plant management staff previously designated by the Plant Manager. Each review shall include a determination of whether or not additional, cross-disciplinary review is necessary. If deemed necessary, such review shall be performed by qualified personnel of the appropriate discipline.
- e. Each review will include a determination of whether or not an unreviewed safety question is involved. Pursuant to 10 CFR 50.59, NRC approval of items involving an unreviewed safety question will be obtained prior to Plant Manager approval for implementation.

6.5.3.2 Records of the above activities shall be provided to the Plant Manager, PORC, and/or NSRB as necessary for required reviews.

### 6.6 REPORTABLE EVENT ACTION

6.6.1 The following actions shall be taken for REPORTABLE EVENTS:

- a. The Commission shall be notified and a report submitted pursuant to the requirements of Section 50.73 to 10 CFR Part 50, and
- b. Each REPORTABLE EVENT shall be reviewed by the PORC, and the results of this review shall be submitted to the NSRB and the President and Chief Executive Officer.

### 6.7 SAFETY LIMIT VIOLATION

6.7.1 The following actions shall be taken in the event a Safety Limit is violated:

## ADMINISTRATIVE CONTROLS

### SAFETY LIMIT VIOLATION (Continued)

- a. The NRC Operations Center shall be notified by telephone as soon as possible and in all cases within 1 hour. The President and Chief Executive Officer and the NSRB shall be notified within 24 hours;
- b. A Safety Limit Violation Report shall be prepared. The report shall be reviewed by the PORC. This report shall describe: (1) applicable circumstances preceding the violation, (2) effects of the violation upon facility components, systems, or structures, and (3) corrective action taken to prevent recurrence;
- c. The Safety Limit Violation Report shall be submitted to the Commission, the NSRB, and the President and Chief Executive Officer within 14 days of the violation; and
- d. Operation of the unit shall not be resumed until authorized by the Commission.

### 6.8 PROCEDURES AND PROGRAMS

6.8.1 Written procedures shall be established, implemented, and maintained covering the activities referenced below:

- a. The applicable procedures recommended in Appendix A of Regulatory Guide 1.33, Revision 2, February 1978;
- b. The emergency operating procedures required to implement the requirements of NUREG-0737 and Supplement 1 to NUREG-0737 as stated in Generic Letter No. 82-33;
- c. Security Plan implementation;
- d. Emergency Plan implementation;
- e. PROCESS CONTROL PROGRAM implementation;
- f. OFFSITE DOSE CALCULATION MANUAL implementation;
- g. Quality Assurance Program for effluent and environmental monitoring; and
- h. Fire Protection Program implementation.

6.8.2 Each procedure of Specification 6.8.1, and changes thereto, shall be reviewed and approved prior to implementation and reviewed periodically as set forth in Specification 6.5.3 and administrative procedures.

6.8.3 The following programs shall be established, implemented, and maintained:

- a. Primary Coolant Sources Outside Containment

A program to reduce leakage from those portions of systems outside containment that could contain highly radioactive fluids during a serious transient or accident to as low as practical levels. The systems include the containment spray, Safety Injection, containment hydrogen monitoring, post-accident sampling and primary sampling. The program shall include the following:



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 93 AND 80 TO

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

HOUSTON LIGHTING & POWER COMPANY

CITY PUBLIC SERVICE BOARD OF SAN ANTONIO

CENTRAL POWER AND LIGHT COMPANY

CITY OF AUSTIN, TEXAS

DOCKET NOS. 50-498 AND 50-499

SOUTH TEXAS PROJECT, UNITS 1 AND 2

1.0 INTRODUCTION

By letter dated August 23, 1996, as supplemented by letters dated October 1 and 15, 1996, and January 28, 1997, Houston Lighting & Power Company (HL&P) requested approval of the transfer of operating authority under Facility Operating Licenses Nos. NPF-76 and NPF-80 for South Texas Project, Units 1 and 2 (STP) to a new operating company and issuance of conforming amendments, pursuant to 10 CFR 50.80 and 50.90. The proposed transfer of operating authority under the licenses would allow a new operating company to use and operate STP and to possess and use related licensed nuclear materials in accordance with the same conditions and authorizations included in the current operating licenses. The proposed license amendments would reflect the transfer of operating authority.

The January 28, 1997, supplement provided clarifying information and did not change the initial no significant hazards consideration determination and did not expand the scope of the original application as noticed.

2.0 EVALUATION

By Order Approving Application Regarding the Formation of an Operating Company and Transfer of Operating Authority, issued on April 8, 1997, the Nuclear Regulatory Commission (NRC) consented to the transfer of the licenses with respect to authority to operate the facility, to the proposed new operating company, based on the findings discussed in the Order. For administrative purposes, there is a need to amend the license to reflect the approved transfer.

Specifically, references to HL&P as a licensee are no longer applicable and are replaced by references to STP Nuclear Operating Company (STPNOC). In addition, references to titles of management personnel of HL&P have been revised to reflect the corresponding titles used by STPNOC. These amendments present no safety questions. In consideration of the foregoing, the staff finds the amendments acceptable.

### 3.0 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.

### 4.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21 and 51.35, an environmental assessment and finding of no significant impact was published in the Federal Register on November 18, 1996 (61 FR 58710).

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

Principal Contributor: T. Alexion

Date: November 17, 1997