

Docket Nos. ~~STN~~ 50-498
and STN 50-499

DEC 22 1975

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	ARosenthal, ASLAB
	NHGoodrich, ASLBP

Mr. G. W. Oprea, Jr.
Executive Vice President
Houston Lighting and Power Company
P. O. Box 1700
Houston, Texas 77001

Dear Mr. Oprea:

Construction Permits Nos. CPPR-128 and CPPR-129 are enclosed, together with a copy of a related notice which has been forwarded to the Office of the Federal Register for publication.

The construction permits authorize Houston Lighting & Power Company, et al to construct two pressurized water reactors, designated as the South Texas Project, Units 1 and 2, to be located in Matagorda County, Texas.

Sincerely,

Original signed by
D. B. Vassallo

D. B. Vassallo, Chief
Light Water Reactors
Project Branch 1-1
Division of Reactor Licensing

Enclosures:

1. Construction Permit No. CPPR-128
2. Construction Permit No. CPPR-129
3. Federal Register Notice

cc: see page 2

ll

OFFICE >	DRL: LWR 1-1	DRL: LWR 1-1	OELD	DRL: LWR 1-1	DRL: AD/EP	DRL: LWR 1
SURNAME >	JLee, cls	AWDromerick	STRIDIK	DBVassallo	DRMiller	RCDeYoung
DATE >	12/18/75	12/18/75	12/19/75	12/24/75	12/19/75	12/22/75

Mr. G. W. Oprea, Jr.

DEC 28 1975

cc: M. T. Luke
Project Manager, STP
Houston Lighting & Power Company
P. O. Box 1700
Houston, Texas 77001

Mr. W. G. Siegelin
Central Power & Light Co.
P. O. Box 2121
Corpus Christi, Texas 78403

Mr. R. L. Hancock
City of Austin
Electric Utility Department
P. O. Box 1088
Austin, Texas 78767

Mr. R. M. Jolly
City of San Antonio
City Public Service Board
P. O. Box 1771
San Antonio, Texas 78296

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Lowenstein, Newman, Reis &
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Washington, D. C. 20036

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Project Manager, STP
Westinghouse Electric Corp.
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Pittsburgh, Pennsylvania 15230

Mr. J. A. Signorelli
NUS Corporation
NUS-4 Research Place
Rockville, Maryland 20850

Mr. J. T. Mooney
Brown & Root, Inc.
P. O. Box 3
Houston, Texas 77001

Honorable Robert L. Pendergraft
Assistant Attorney General
P. O. Box 12548
Capitol Station
Austin, Texas 78711

R. Gordon Gooch, Esq.
Baker & Botts
1701 Pennsylvania Avenue, N. W.
Washington, D. C. 20006

James M. Rose, Director
Governor's Division of
Planning Coordination
411 W. 13th Street
Austin, Texas 78701

Honorable Bert Huebner
Judge, Matagorda County
Matagorda County Courthouse
1700 Seventh Street
Bay City, Texas 77414

Chief, TIRB (2)
Technology Assessment Division
Office of Radiation Programs
U. S. Environmental Protection Agency
Room 647A East Tower
Waterside Mall
401 M Street, S. W.
Washington, D. C. 20460

Mr. Clinton Spotts
U. S. Environmental Protection Agency
Region VI Office
1600 Patterson Street
Dallas, Texas 75201

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HOUSTON LIGHTING & POWER COMPANY
CITY PUBLIC SERVICE BOARD OF SAN ANTONIO, TEXAS
CENTRAL POWER AND LIGHT COMPANY
CITY OF AUSTIN, TEXAS

DOCKET NO. STN 50-498

SOUTH TEXAS PROJECT, UNIT NO. 1

CONSTRUCTION PERMIT

Construction Permit No. CPPR-128

1. The Nuclear Regulatory Commission (the Commission) having found that:
 - A. The application for construction permit complies with the requirements of the Atomic Energy Act of 1954, as amended, and the rules and regulations of the Commission, there is reasonable assurance that the activities authorized by the permit will be conducted in compliance with the rules and regulations of the Commission, and all required notifications to other agencies or bodies have been duly made;
 - B. Houston Lighting & Power Company on behalf of itself, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas (the Applicant) has described the proposed design of the South Texas Project, Unit No. 1 (the facility), including, but not limited to, the principal architectural and engineering criteria for the design and has identified the major features or components incorporated therein for the protection of the health and safety of the public;
 - C. Such further technical or design information as may be required to complete the safety analysis, and which can reasonably be left for later consideration, will be supplied in the final safety analysis report;
 - D. Safety features or components, if any, which require research and development have been described by the Applicant and the Applicant has identified, and there will be conducted, a research and development program reasonably designed to resolve any safety questions associated with such features or components;

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- E. On the basis of the foregoing, there is reasonable assurance that (i) such safety questions will be satisfactorily resolved at or before the latest date stated in the application for completion of construction of the proposed facility and (ii) taking into consideration the site criteria contained in 10 CFR Part 100, the proposed facility can be constructed and operated at the proposed location without undue risk to the health and safety of the public;
- F. The Applicant is technically qualified to design and construct the proposed facility;
- G. Houston Lighting & Power Company, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas are financially qualified to design and construct the proposed facility;
- H. The issuance of a permit for the construction of the facility will not be inimical to the common defense and security or to the health and safety of the public; and
- I. After weighing the environmental, economic, technical and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of a construction permit subject to the conditions for protection of the environment set forth herein is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Pursuant to Section 103 of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter I, Code of Federal Regulations, Part 50, "Licensing and Production and Utilization Facilities", and pursuant to the Initial Decisions of the Atomic Safety and Licensing Board, dated August 8, 1975 and December 17, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to Houston Lighting & Power Company, on behalf of itself, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas for a utilization facility designed to operate at a core power level of 3800 megawatts thermal as described in the application and amendments thereto (the application) filed in this matter by the Applicant and as more fully described in the evidence received at the public hearing upon that application. The facility, known as the South Texas Project, Unit No. 1, will be located on the site in Matagorda County, Texas, owned by Houston Lighting & Power Company, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas.

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3. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
- A. The earliest date for the completion of the facility is May 1, 1980, and the latest date for completion is May 31, 1982.
 - B. The facility shall be constructed and located at the site as described in the application, in Matagorda County, Texas, to the west of the Colorado River.
 - C. This construction permit authorizes the Applicant to construct the facility described in the application and the hearing record, in accordance with the principal architectural and engineering criteria and environmental protection commitments set forth therein.
 - D. In view of the fact that the Attorney General has not recommended an antitrust hearing in this matter, that no antitrust issues have been raised by another in a manner according with the Commission's Rules of Practice, and that no finding has been made that an antitrust hearing is otherwise required (10 CFR, Part 2 §2.104(d)), antitrust review of the application for this construction permit under Section 105c of the Atomic Energy Act of 1954, as amended, has been completed and a hearing thereon determined to be unnecessary.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating actions, including those summarized in Section 4.5 of the Final Environmental Statement, during construction of the facility and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities as clarified on page 1 of Staff Exhibit 3 (Final Environmental Statement Summary and Conclusion Changes) and further clarified by testimony of the Nuclear Regulatory Commission Staff. (See Transcript of Hearing, pages 223-225.)
 - (2) The Applicant shall establish a control program which shall include written procedures and instructions to control all construction activities as prescribed herein and shall provide for periodic management audits to determine the adequacy of implementation of environmental conditions. The Applicant shall maintain sufficient records to furnish evidence of compliance with all the environmental conditions herein.

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- (3) Before engaging in a construction activity not evaluated by the Commission, the Applicant will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than that evaluated in the Final Environmental Statement, the Applicant shall provide a written evaluation of such activities and obtain prior approval of the Director of Reactor Licensing for the activities.
 - (4) If unexpected harmful effects or evidence of irreversible damage is detected during facility construction, the Applicant shall provide to the Staff an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce the harmful effects or damage; and
 - (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the recommendations included in Section 6.1 of the Final Environmental Statement shall be followed. These monitoring programs shall include the following special studies:
 - (a) A study program, as outlined in Sections 5.5.2.1.1 and 6.1.3.2 of the Final Environmental Statement, will be implemented to obtain data necessary to assess the potential significance of the loss of ichthyoplankton and crustacean larvae through entrainment.
 - (b) A study program, as outlined in Section 6.1.3.2 of the Final Environmental Statement shall be implemented to obtain the data necessary to assess the value of Little Robbins Slough as a nursery. Construction activities shall be limited so as not to reduce the watershed area by more than approximately 1% (about 80 acres) to maintain the freshwater inflow to the slough until after December 1, 1975. After December 1, 1975, construction activities shall be performed so as to minimize watershed removal until completion of the study program.
 - (6) The turbine building shall be designed to insure liquid releases are continuously monitored as specified in 10 CFR Part 50, Appendix A, Criterion No. 64.
4. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless:
(a) the Applicant submits to the Commission the complete final safety analysis report, portions of which may be submitted and evaluated from time to time; (b) the Commission finds that the final design

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provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; (c) the Commission finds that operation of the facility will be in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes an indemnity agreement as required by Section 170 of the Act.

5. This permit is effective as of its date of issuance and shall expire on the latest completion date indicated in paragraph 3.A above.

FOR THE NUCLEAR REGULATORY COMMISSION

Roger S. Boyd, Acting Director
Division of Reactor Licensing
Office of Nuclear Reactor Regulation

Date of Issuance: December 22, 1975

(See previous concurrences. Retyped to add paragraph 3.D)

OFFICE	LWR 101	LWR 1-1	AD/LWR	A/DIR:DRL		
SURNAME	JL [Signature]	DBVassallo [Signature]	RCDeYoung [Signature]	RSBoyd [Signature]		
DATE	12/22/75	12/22/75	12/22/75	12/22/75		

3. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:

A. The earliest date for the completion of the facility is May 1, 1980, and the latest date for completion is May 31, 1982.

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B. The facility shall be constructed and located at the site as described in the application, in Matagorda County, Texas, to the west of the Colorado River.

C. This construction permit authorizes the Applicant to construct the facility described in the application and the hearing record, in accordance with the principal architectural and engineering criteria and environmental protection commitments set forth therein.

Approved by

D. This facility is subject to the following conditions for the protection of the environment:

(1) The Applicant shall take the necessary mitigating actions, including those summarized in Section 4.5 of the Final Environmental Statement, during construction of the facility and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities as clarified on page 1 of Staff Exhibit 3 (Final Environmental Statement Summary and Conclusion Changes) and further clarified by testimony of the Nuclear Regulatory Commission Staff. (See Transcript of Hearing, pages 223-225.)

(2) The Applicant shall establish a control program which shall include written procedures and instructions to control all construction activities as prescribed herein and shall provide for periodic management audits to determine the adequacy of implementation of environmental conditions. The Applicant shall maintain sufficient records to furnish evidence of compliance with all the environmental conditions herein.

(3) Before engaging in a construction activity not evaluated by the Commission, the Applicant will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than that evaluated in the Final Environmental Statement, the Applicant shall provide a written evaluation of such activities and obtain prior approval of the Director of Reactor Licensing for the activities.

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- (4) If unexpected harmful effects or evidence of irreversible damage is detected during facility construction, the Applicant shall provide to the Staff an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce the harmful effects or damage; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the recommendations included in Section 6.1 of the Final Environmental Statement shall be followed. These monitoring programs shall include the following special studies:
 - (a) A study program, as outlined in Sections 5.5.2.1.1 and 6.1.3.2 of the Final Environmental Statement, will be implemented to obtain data necessary to assess the potential significance of the loss of ichthyoplankton and crustacean larvae through entrainment.
 - (b) A study program, as outlined in Section 6.1.3.2 of the Final Environmental Statement shall be implemented to obtain the data necessary to assess the value of Little Robbins Slough as a nursery. Construction activities shall be limited so as not to reduce the watershed area by more than approximately 1% (about 80 acres) to maintain the freshwater inflow to the slough until after December 1, 1975. After December 1, 1975, construction activities shall be performed so as to minimize watershed removal until completion of the study program.
- (6) The turbine building shall be designed to insure liquid releases are continuously monitored as specified in 10 CFR Part 50, Appendix A, Criterion No. 64.

4. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless: (a) the Applicant submits to the Commission the complete final safety analysis report, portions of which may be submitted and evaluated from time to time; (b) the Commission finds that the final design provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; (c) the Commission finds that operation of the facility will be in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes an indemnity agreement as required by Section 170 of the Act.

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5. This permit is effective as of its date of issuance and shall expire on the latest completion date indicated in paragraph 3.A above.

FOR THE NUCLEAR REGULATORY COMMISSION

Roger S. Boyd, Acting Director
Division of Reactor Licensing
Office of Nuclear Reactor Regulation

Date of Issuance:

OFFICE	LWR 1-1 AD/EP	ELD	LWR 1-1	AD/LWR1	A/DIR:DRL
SURNAME	ADerrick:cls D Muller	STRIDIER	DBVassallo	RCDeYoung	RSBoyd
DATE	12/18/75	12/19/75	12/22/75	12/ /75	12/ /75

HOUSTON LIGHTING & POWER COMPANY
CITY PUBLIC SERVICE BOARD OF SAN ANTONIO, TEXAS
CENTRAL POWER AND LIGHT COMPANY
CITY OF AUSTIN, TEXAS

DOCKET NO. STN 50-499

SOUTH TEXAS PROJECT, UNIT NO. 2

CONSTRUCTION PERMIT

Construction Permit No. CPPR-129

1. The Nuclear Regulatory Commission (the Commission) having found that:
 - A. The application for construction permit complies with the requirements of the Atomic Energy Act of 1954, as amended, and the rules and regulations of the Commission, there is reasonable assurance that the activities authorized by the permit will be conducted in compliance with the rules and regulations of the Commission, and all required notifications to other agencies or bodies have been duly made;
 - B. Houston Lighting & Power Company on behalf of itself, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas (the Applicant) has described the proposed design of the South Texas Project, Unit No. 2 (the facility), including, but not limited to, the principal architectural and engineering criteria for the design and has identified the major features or components incorporated therein for the protection of the health and safety of the public;
 - C. Such further technical or design information as may be required to complete the safety analysis, and which can reasonably be left for later consideration, will be supplied in the final safety analysis report;
 - D. Safety features or components, if any, which require research and development have been described by the Applicant and the Applicant has identified, and there will be conducted, a research and development program reasonably designed to resolve any safety questions associated with such features or components;

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- E. On the basis of the foregoing, there is reasonable assurance that (i) such safety questions will be satisfactorily resolved at or before the latest date stated in the application for completion of construction of the proposed facility and (ii) taking into consideration the site criteria contained in 10 CFR Part 100, the proposed facility can be constructed and operated at the proposed location without undue risk to the health and safety of the public;
 - F. The Applicant is technically qualified to design and construct the proposed facility;
 - G. Houston Lighting & Power Company, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas are financially qualified to design and construct the proposed facility;
 - H. The issuance of a permit for the construction of the facility will not be inimical to the common defense and security or to the health and safety of the public; and
 - I. After weighing the environmental, economic, technical and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of a construction permit subject to the conditions for protection of the environment set forth herein is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Pursuant to Section 103 of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter I, Code of Federal Regulations, Part 50, "Licensing and Production and Utilization Facilities", and pursuant to the Initial Decisions of the Atomic Safety and Licensing Board, dated August 8, 1975 and December 17, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to Houston Lighting & Power Company, on behalf of itself, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas for a utilization facility designed to operate at a core power level of 3800 megawatts thermal as described in the application and amendments thereto (the application) filed in this matter by the Applicant and as more fully described in the evidence received at the public hearing upon that application. The facility, known as the South Texas Project, Unit No. 2, will be located on the site in Matagorda County, Texas, owned by Houston Lighting & Power Company, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas.

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3. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
- A. The earliest date for the completion of the facility is October 1, 1981, and the latest date for completion is October 31, 1983.
 - B. The facility shall be constructed and located at the site as described in the application, in Matagorda County, Texas, to the west of the Colorado River.
 - C. This construction permit authorizes the Applicant to construct the facility described in the application and the hearing record, in accordance with the principal architectural and engineering criteria and environmental protection commitments set forth therein.
 - D. In view of the fact that the Attorney General has not recommended an antitrust hearing in this matter, that no antitrust issues have been raised by another in a manner according with the Commission's Rules of Practice, and that no finding has been made that an antitrust hearing is otherwise required (10 CFR, Part 2 §2.104(d)), antitrust review of the application for this construction permit under Section 105c of the Atomic Energy Act of 1954, as amended, has been completed and a hearing thereon determined to be unnecessary.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating actions, including those summarized in Section 4.5 of the Final Environmental Statement, during construction of the facility and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities as clarified on page 1 of Staff Exhibit 3 (Final Environmental Statement Summary and Conclusion Changes) and further clarified by testimony of the Nuclear Regulatory Commission Staff. (See Transcript of Hearing, pages 223-225.)
 - (2) The Applicant shall establish a control program which shall include written procedures and instructions to control all construction activities as prescribed herein and shall provide for periodic management audits to determine the adequacy of implementation of environmental conditions. The Applicant shall maintain sufficient records to furnish evidence of compliance with all the environmental conditions herein.

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- (3) Before engaging in a construction activity not evaluated by the Commission, the Applicant will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than that evaluated in the Final Environmental Statement, the Applicant shall provide a written evaluation of such activities and obtain prior approval of the Director of Reactor Licensing for the activities.
- (4) If unexpected harmful effects or evidence of irreversible damage is detected during facility construction, the Applicant shall provide to the Staff an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce the harmful effects or damage; and
- (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the recommendations included in Section 6.1 of the Final Environmental Statement shall be followed. These monitoring programs shall include the following special studies:
 - (a) A study program, as outlined in Sections 5.5.2.1.1 and 6.1.3.2 of the Final Environmental Statement, will be implemented to obtain data necessary to assess the potential significance of the loss of ichthyoplankton and crustacean larvae through entrainment.
 - (b) A study program, as outlined in Section 6.1.3.2 of the Final Environmental Statement shall be implemented to obtain the data necessary to assess the value of Little Robbins Slough as a nursery. Construction activities shall be limited so as not to reduce the watershed area by more than approximately 1% (about 80 acres) to maintain the freshwater inflow to the slough until after December 1, 1975. After December 1, 1975, construction activities shall be performed so as to minimize watershed removal until completion of the study program.
- (6) The turbine building shall be designed to insure liquid releases are continuously monitored as specified in 10 CFR Part 50, Appendix A, Criterion No. 64.

4. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless:

- (a) the Applicant submits to the Commission the complete final safety analysis report, portions of which may be submitted and evaluated from time to time;
- (b) the Commission finds that the final design

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provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; (c) the Commission finds that operation of the facility will be in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes an indemnity agreement as required by Section 170 of the Act.

- 5. This permit is effective as of its date of issuance and shall expire on the latest completion date indicated in paragraph 3.A above.

FOR THE NUCLEAR REGULATORY COMMISSION

Roger S. Boyd, Acting Director
Division of Reactor Licensing
Office of Nuclear Reactor Regulation

Date of Issuance: December 22, 1975

(See previous concurrences. Retyped to add paragraph 3.D)

OFFICE >	LWR 1-1	LWR 1-1	AD/LWR 1	A/DIR:DRL		
SURNAME >	Jleg	DBVassallo	RCYoung	RSBoyd		
DATE >	12/28/75	12/22/75	12/22/75	12/22/75		

3. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:

A. The earliest date for the completion of the facility is October 1, 1981, and the latest date for completion is October 31, 1983.

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B. The facility shall be constructed and located at the site as described in the application, in Matagorda County, Texas, to the west of the Colorado River.

C. This construction permit authorizes the Applicant to construct the facility described in the application and the hearing record, in accordance with the principal architectural and engineering criteria and environmental protection commitments set forth therein.

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D. This facility is subject to the following conditions for the protection of the environment:

(1) The Applicant shall take the necessary mitigating actions, including those summarized in Section 4.5 of the Final Environmental Statement, during construction of the facility and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities as clarified on page 1 of Staff Exhibit 3 (Final Environmental Statement Summary and Conclusion Changes) and further clarified by testimony of the Nuclear Regulatory Commission Staff. (See Transcript of Hearing, pages 223-225.)

(2) The Applicant shall establish a control program which shall include written procedures and instructions to control all construction activities as prescribed herein and shall provide for periodic management audits to determine the adequacy of implementation of environmental conditions. The Applicant shall maintain sufficient records to furnish evidence of compliance with all the environmental conditions herein.

(3) Before engaging in a construction activity not evaluated by the Commission, the Applicant will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than that evaluated in the Final Environmental Statement, the Applicant shall provide a written evaluation of such activities and obtain prior approval of the Director of Reactor Licensing for the activities.

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DATE ➤					

- (4) If unexpected harmful effects or evidence of irreversible damage is detected during facility construction, the Applicant shall provide to the Staff an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce the harmful effects or damage; and
 - (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the recommendations included in Section 6.1 of the Final Environmental Statement shall be followed. These monitoring programs shall include the following special studies:
 - (a) A study program, as outlined in Sections 5.5.2.1.1 and 6.1.3.2 of the Final Environmental Statement, will be implemented to obtain data necessary to assess the potential significance of the loss of ichthyoplankton and crustacean larvae through entrainment.
 - (b) A study program, as outlined in Section 6.1.3.2 of the Final Environmental Statement shall be implemented to obtain the data necessary to assess the value of Little Robbins Slough as a nursery. Construction activities shall be limited so as not to reduce the watershed area by more than approximately 1% (about 80 acres) to maintain the freshwater inflow to the slough until after December 1, 1975. After December 1, 1975, construction activities shall be performed so as to minimize watershed removal until completion of the study program.
 - (6) The turbine building shall be designed to insure liquid releases are continuously monitored as specified in 10 CFR Part 50, Appendix A, Criterion No. 64.
4. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless:
- (a) the Applicant submits to the Commission the complete final safety analysis report, portions of which may be submitted and evaluated from time to time;
 - (b) the Commission finds that the final design provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license;
 - (c) the Commission finds that operation of the facility will be in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements were satisfied; and
 - (d) the Applicant submits proof of financial protection and executes an indemnity agreement as required by Section 170 of the Act.

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5. This permit is effective as of its date of issuance and shall expire on the latest completion date indicated in paragraph 3.A above.

FOR THE NUCLEAR REGULATORY COMMISSION

Roger S. Boyd, Acting Director
Division of Reactor Licensing
Office of Nuclear Reactor Regulation

Date of Issuance:

OFFICE	LWR 1-1	AD/EP	ELD	LWR 1-1	AD/LWR1	A/DIR: DRL
SURNAME	J Lee ADromerick:cls	DR Miller	STRICKER	DBVassallo	RCDeYoung	RSBoyd
DATE	12/18/75	12/19/75	12/19/75	12/24/75	12/ /75	12/ /75

UNITED STATES NUCLEAR REGULATORY COMMISSION

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

HOUSTON LIGHTING & POWER COMPANY, ET AL

SOUTH TEXAS PROJECT, UNITS 1 AND 2

NOTICE OF ISSUANCE OF CONSTRUCTION PERMITS

Notice is hereby given that, pursuant to the Initial Decisions of the Atomic Safety and Licensing Board, dated August 8, 1975, and December 17, 1975, the Nuclear Regulatory Commission (the Commission) has issued Construction Permits Nos. CPPR-128 and CPPR-129 to the Houston Lighting & Power Company, the City Public Service Board of San Antonio, Central Power and Light Company, and the City of Austin for construction of two pressurized water nuclear reactors at the applicant's site in Matagorda County, Texas. The proposed reactors, known as the South Texas Project, Units 1 and 2 are each designed for a rated core power level of 3800 megawatts thermal with a net electrical output of 1250 megawatts.

The Initial Decisions are subject to review by an Atomic Safety and Licensing Appeal Board prior to their becoming final. Any decision or action taken by an Atomic Safety and Licensing Appeal Board in connection with the Initial Decision may be reviewed by the Commission.

The Commission has made appropriate findings as required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the construction permits. The application for the construction permits complies with the standards and requirements of the Act and the Commission's rules and regulations.

The construction permits are effective as of their date of issuance. The earliest date for the completion of Unit No. 1 is May 1, 1980, and the latest date for completion is May 31, 1982. The earliest date for completion of Unit No. 2 is October 1, 1981, and the latest date for completion is October 31, 1983. Each permit shall expire on the latest date for completion of the facility for which it is issued.

A copy of (1) the Initial Decisions, dated August 8, 1975 and December 17, 1975; (2) Construction Permits Nos. CPPR-128 and CPPR-129; (3) the report of the Advisory Committee on Reactor Safeguards, dated September 19, 1975, (4) the Office of Nuclear Reactor Regulation's Safety Evaluation Report dated August 1, 1975, and Supplement No. 1 thereto dated October 29, 1975; (5) the Preliminary Safety Analysis Report and amendments thereto; (6) the applicant's Environmental Report dated July 1, 1974, and supplements thereto; (7) the Draft Environmental Statement dated November 1974; and (8) the Final Environmental Statement dated March 1975 are available for public inspection at the Commission's Public Document Room at 1717 H Street, N. W., Washington, D. C., and the Matagorda County Courthouse, 1700 Seventh Street, Bay City, Texas. A copy of the construction permits may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Reactor Licensing.

Copies of the Safety Evaluation Report and Supplement No. 1 thereto (Document Nos. NUREG-75/075 and NUREG-75/075, Supplement No. 1)

and the Final Environmental Statement (Document No. NUREG-75/019) may be purchased, at current rates, from the National Technical Information Service, Springfield, Virginia 22161.

Dated at Bethesda, Maryland, this 22nd day of December, 1975.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "D. B. Vassallo".

D. B. Vassallo, Chief
Light Water Reactors
Project Branch 1-1
Division of Reactor Licensing

HOUSTON LIGHTING & POWER COMPANY
CITY PUBLIC SERVICE BOARD OF SAN ANTONIO, TEXAS
CENTRAL POWER AND LIGHT COMPANY
CITY OF AUSTIN, TEXAS

DOCKET NO. STN 50-498

SOUTH TEXAS PROJECT, UNIT NO. 1

CONSTRUCTION PERMIT

Construction Permit No. CPPR-128

1. The Nuclear Regulatory Commission (the Commission) having found that:
 - A. The application for construction permit complies with the requirements of the Atomic Energy Act of 1954, as amended, and the rules and regulations of the Commission, there is reasonable assurance that the activities authorized by the permit will be conducted in compliance with the rules and regulations of the Commission, and all required notifications to other agencies or bodies have been duly made;
 - B. Houston Lighting & Power Company on behalf of itself, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas (the Applicant) has described the proposed design of the South Texas Project, Unit No. 1 (the facility), including, but not limited to, the principal architectural and engineering criteria for the design and has identified the major features or components incorporated therein for the protection of the health and safety of the public;
 - C. Such further technical or design information as may be required to complete the safety analysis, and which can reasonably be left for later consideration, will be supplied in the final safety analysis report;
 - D. Safety features or components, if any, which require research and development have been described by the Applicant and the Applicant has identified, and there will be conducted, a research and development program reasonably designed to resolve any safety questions associated with such features or components;

- E. On the basis of the foregoing, there is reasonable assurance that (i) such safety questions will be satisfactorily resolved at or before the latest date stated in the application for completion of construction of the proposed facility and (ii) taking into consideration the site criteria contained in 10 CFR Part 100, the proposed facility can be constructed and operated at the proposed location without undue risk to the health and safety of the public;
 - F. The Applicant is technically qualified to design and construct the proposed facility;
 - G. Houston Lighting & Power Company, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas are financially qualified to design and construct the proposed facility;
 - H. The issuance of a permit for the construction of the facility will not be inimical to the common defense and security or to the health and safety of the public; and
 - I. After weighing the environmental, economic, technical and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of a construction permit subject to the conditions for protection of the environment set forth herein is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Pursuant to Section 103 of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter I, Code of Federal Regulations, Part 50, "Licensing and Production and Utilization Facilities", and pursuant to the Initial Decisions of the Atomic Safety and Licensing Board, dated August 8, 1975 and December 17, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to Houston Lighting & Power Company, on behalf of itself, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas for a utilization facility designed to operate at a core power level of 3800 megawatts thermal as described in the application and amendments thereto (the application) filed in this matter by the Applicant and as more fully described in the evidence received at the public hearing upon that application. The facility, known as the South Texas Project, Unit No. 1, will be located on the site in Matagorda County, Texas, owned by Houston Lighting & Power Company, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas.

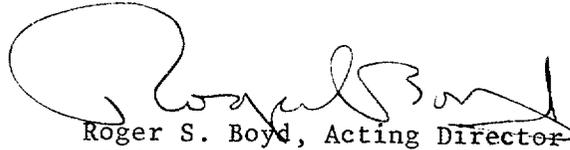
3. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
 - A. The earliest date for the completion of the facility is May 1, 1980, and the latest date for completion is May 31, 1982.
 - B. The facility shall be constructed and located at the site as described in the application, in Matagorda County, Texas, to the west of the Colorado River.
 - C. This construction permit authorizes the Applicant to construct the facility described in the application and the hearing record, in accordance with the principal architectural and engineering criteria and environmental protection commitments set forth therein.
 - D. In view of the fact that the Attorney General has not recommended an antitrust hearing in this matter, that no antitrust issues have been raised by another in a manner according with the Commission's Rules of Practice, and that no finding has been made that an antitrust hearing is otherwise required (10 CFR, Part 2 §2.104(d)), antitrust review of the application for this construction permit under Section 105c of the Atomic Energy Act of 1954, as amended, has been completed and a hearing thereon determined to be unnecessary.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating actions, including those summarized in Section 4.5 of the Final Environmental Statement, during construction of the facility and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities as clarified on page 1 of Staff Exhibit 3 (Final Environmental Statement Summary and Conclusion Changes) and further clarified by testimony of the Nuclear Regulatory Commission Staff. (See Transcript of Hearing, pages 223-225.)
 - (2) The Applicant shall establish a control program which shall include written procedures and instructions to control all construction activities as prescribed herein and shall provide for periodic management audits to determine the adequacy of implementation of environmental conditions. The Applicant shall maintain sufficient records to furnish evidence of compliance with all the environmental conditions herein.

- (3) Before engaging in a construction activity not evaluated by the Commission, the Applicant will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than that evaluated in the Final Environmental Statement, the Applicant shall provide a written evaluation of such activities and obtain prior approval of the Director of Reactor Licensing for the activities.
 - (4) If unexpected harmful effects or evidence of irreversible damage is detected during facility construction, the Applicant shall provide to the Staff an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce the harmful effects or damage; and
 - (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the recommendations included in Section 6.1 of the Final Environmental Statement shall be followed. These monitoring programs shall include the following special studies:
 - (a) A study program, as outlined in Sections 5.5.2.1.1 and 6.1.3.2 of the Final Environmental Statement, will be implemented to obtain data necessary to assess the potential significance of the loss of ichthyoplankton and crustacean larvae through entrainment.
 - (b) A study program, as outlined in Section 6.1.3.2 of the Final Environmental Statement shall be implemented to obtain the data necessary to assess the value of Little Robbins Slough as a nursery. Construction activities shall be limited so as not to reduce the watershed area by more than approximately 1% (about 80 acres) to maintain the freshwater inflow to the slough until after December 1, 1975. After December 1, 1975, construction activities shall be performed so as to minimize watershed removal until completion of the study program.
 - (6) The turbine building shall be designed to insure liquid releases are continuously monitored as specified in 10 CFR Part 50, Appendix A, Criterion No. 64.
4. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless:
- (a) the Applicant submits to the Commission the complete final safety analysis report, portions of which may be submitted and evaluated from time to time;
 - (b) the Commission finds that the final design

provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; (c) the Commission finds that operation of the facility will be in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes an indemnity agreement as required by Section 170 of the Act.

5. This permit is effective as of its date of issuance and shall expire on the latest completion date indicated in paragraph 3.A above.

FOR THE NUCLEAR REGULATORY COMMISSION



Roger S. Boyd, Acting Director
Division of Reactor Licensing
Office of Nuclear Reactor Regulation

Date of Issuance: December 22, 1975

HOUSTON LIGHTING & POWER COMPANY
CITY PUBLIC SERVICE BOARD OF SAN ANTONIO, TEXAS
CENTRAL POWER AND LIGHT COMPANY
CITY OF AUSTIN, TEXAS

DOCKET NO. STN 50-499

SOUTH TEXAS PROJECT, UNIT NO. 2

CONSTRUCTION PERMIT

Construction Permit No. CPPR-129

1. The Nuclear Regulatory Commission (the Commission) having found that:
 - A. The application for construction permit complies with the requirements of the Atomic Energy Act of 1954, as amended, and the rules and regulations of the Commission, there is reasonable assurance that the activities authorized by the permit will be conducted in compliance with the rules and regulations of the Commission, and all required notifications to other agencies or bodies have been duly made;
 - B. Houston Lighting & Power Company on behalf of itself, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas (the Applicant) has described the proposed design of the South Texas Project, Unit No. 2 (the facility), including, but not limited to, the principal architectural and engineering criteria for the design and has identified the major features or components incorporated therein for the protection of the health and safety of the public;
 - C. Such further technical or design information as may be required to complete the safety analysis, and which can reasonably be left for later consideration; will be supplied in the final safety analysis report;
 - D. Safety features or components, if any, which require research and development have been described by the Applicant and the Applicant has identified, and there will be conducted, a research and development program reasonably designed to resolve any safety questions associated with such features or components;

- E. On the basis of the foregoing, there is reasonable assurance that (i) such safety questions will be satisfactorily resolved at or before the latest date stated in the application for completion of construction of the proposed facility and (ii) taking into consideration the site criteria contained in 10 CFR Part 100, the proposed facility can be constructed and operated at the proposed location without undue risk to the health and safety of the public;
 - F. The Applicant is technically qualified to design and construct the proposed facility;
 - G. Houston Lighting & Power Company, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas are financially qualified to design and construct the proposed facility;
 - H. The issuance of a permit for the construction of the facility will not be inimical to the common defense and security or to the health and safety of the public; and
 - I. After weighing the environmental, economic, technical and other benefits of the facility against environmental and other costs and considering available alternatives, the issuance of a construction permit subject to the conditions for protection of the environment set forth herein is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Pursuant to Section 103 of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter I, Code of Federal Regulations, Part 50, "Licensing and Production and Utilization Facilities", and pursuant to the Initial Decisions of the Atomic Safety and Licensing Board, dated August 8, 1975 and December 17, 1975, the Nuclear Regulatory Commission (the Commission) hereby issues a construction permit to Houston Lighting & Power Company, on behalf of itself, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas for a utilization facility designed to operate at a core power level of 3800 megawatts thermal as described in the application and amendments thereto (the application) filed in this matter by the Applicant and as more fully described in the evidence received at the public hearing upon that application. The facility, known as the South Texas Project, Unit No. 2, will be located on the site in Matagorda County, Texas, owned by Houston Lighting & Power Company, the City Public Service Board of San Antonio, Texas, Central Power and Light Company, and the City of Austin, Texas.

3. This permit shall be deemed to contain and be subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations, and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
 - A. The earliest date for the completion of the facility is October 1, 1981, and the latest date for completion is October 31, 1983.
 - B. The facility shall be constructed and located at the site as described in the application, in Matagorda County, Texas, to the west of the Colorado River.
 - C. This construction permit authorizes the Applicant to construct the facility described in the application and the hearing record, in accordance with the principal architectural and engineering criteria and environmental protection commitments set forth therein.
 - D. In view of the fact that the Attorney General has not recommended an antitrust hearing in this matter, that no antitrust issues have been raised by another in a manner according with the Commission's Rules of Practice, and that no finding has been made that an antitrust hearing is otherwise required (10 CFR, Part 2 §2.104(d)), antitrust review of the application for this construction permit under Section 105c of the Atomic Energy Act of 1954, as amended, has been completed and a hearing thereon determined to be unnecessary.
 - E. This facility is subject to the following conditions for the protection of the environment:
 - (1) The Applicant shall take the necessary mitigating actions, including those summarized in Section 4.5 of the Final Environmental Statement, during construction of the facility and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities as clarified on page 1 of Staff Exhibit 3 (Final Environmental Statement Summary and Conclusion Changes) and further clarified by testimony of the Nuclear Regulatory Commission Staff. (See Transcript of Hearing, pages 223-225.)
 - (2) The Applicant shall establish a control program which shall include written procedures and instructions to control all construction activities as prescribed herein and shall provide for periodic management audits to determine the adequacy of implementation of environmental conditions. The Applicant shall maintain sufficient records to furnish evidence of compliance with all the environmental conditions herein.

- (3) Before engaging in a construction activity not evaluated by the Commission, the Applicant will prepare and record an environmental evaluation of such activity. When the evaluation indicates that such activity may result in a significant adverse environmental impact that was not evaluated, or that is significantly greater than that evaluated in the Final Environmental Statement, the Applicant shall provide a written evaluation of such activities and obtain prior approval of the Director of Reactor Licensing for the activities.
 - (4) If unexpected harmful effects or evidence of irreversible damage is detected during facility construction, the Applicant shall provide to the Staff an acceptable analysis of the problem and a plan of action to eliminate or significantly reduce the harmful effects or damage; and
 - (5) In addition to the preoperational monitoring program described in Section 6.1 of the Environmental Report, with amendments, the recommendations included in Section 6.1 of the Final Environmental Statement shall be followed. These monitoring programs shall include the following special studies:
 - (a) A study program, as outlined in Sections 5.5.2.1.1 and 6.1.3.2 of the Final Environmental Statement, will be implemented to obtain data necessary to assess the potential significance of the loss of ichthyoplankton and crustacean larvae through entrainment.
 - (b) A study program, as outlined in Section 6.1.3.2 of the Final Environmental Statement shall be implemented to obtain the data necessary to assess the value of Little Robbins Slough as a nursery. Construction activities shall be limited so as not to reduce the watershed area by more than approximately 1% (about 80 acres) to maintain the freshwater inflow to the slough until after December 1, 1975. After December 1, 1975, construction activities shall be performed so as to minimize watershed removal until completion of the study program.
 - (6) The turbine building shall be designed to insure liquid releases are continuously monitored as specified in 10 CFR Part 50, Appendix A, Criterion No. 64.
4. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless:
- (a) the Applicant submits to the Commission the complete final safety analysis report, portions of which may be submitted and evaluated from time to time;
 - (b) the Commission finds that the final design

provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; (c) the Commission finds that operation of the facility will be in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements were satisfied; and (d) the Applicant submits proof of financial protection and executes an indemnity agreement as required by Section 170 of the Act.

5. This permit is effective as of its date of issuance and shall expire on the latest completion date indicated in paragraph 3.A above.

FOR THE NUCLEAR REGULATORY COMMISSION



Roger S. Boyd, Acting Director
Division of Reactor Licensing
Office of Nuclear Reactor Regulation

Date of Issuance: December 22, 1975