



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

MAR 16 1985

Docket No.: 50-382

Mr. R. S. Leddick  
Senior Vice President - Nuclear Operations  
Louisiana Power and Light Company  
142 Delaronde Street  
New Orleans, Louisiana 70174

Dear Mr. Leddick:

Subject: Waterford Steam Electric Station, Unit 3 - Issuance of Facility  
Operating License

The U. S. Nuclear Regulatory Commission has issued the enclosed Facility Operating License No. NPF-38 together with Technical Specifications and Environmental Protection Plan to Louisiana Power and Light Company for the Waterford Steam Electric Station, Unit 3 located in St. Charles Parish, Louisiana. Based upon findings of the Commission as reflected in the enclosed license and the favorable vote by the Commission on full power operation, License No. NPF-38 authorizes operation of the Waterford Steam Electric Station, Unit 3, at core power levels not to exceed 3390 megawatts thermal (100% power), and supersedes License No. NPF-26, issued on December 18, 1984.

A copy of a related Federal Register notice, the original of which has been forwarded to the Office of the Federal Register for publication, is enclosed.

For your information, enclosed are copies of Notice of Environmental Assessment and Finding of No Significant Impact. This notice relates to an exemption authorized by Facility Operating License No. NPF-38.

Two signed copies of Amendment No. 3 to Indemnity Agreement No. B-92, which covers the activities authorized under License No. NPF-38, are also enclosed. Please sign both copies and return one copy to this office.

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The Commission has issued Supplement No. 10 to the Safety Evaluation Report for Waterford. This supplement supports issuance of the full power license. Two copies of Supplement No. 10 are enclosed. Additional copies will be forwarded to you under separate cover.

Sincerely,

Original signed by:

Hugh L. Thompson, Jr., Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Enclosures:

1. Facility Operating License No. NPF-38
2. Federal Register Notice
3. Notice of Environmental Assessment
4. Amendment No. 3 to Indemnity Agreement B-92
5. Supplement 10 to SER (NUREG-0787)

cc w/encls.: See next page

\*Previous concurred on by:

DL:LB#3 JWilson 3/15/85	DL:LB#3*DE* JLee 3/4/85	AToalston 2/27/85	DSP* JSaltzman 3/6/85	OELD* Rutberg 3/11/85	OELD* 3/1/85	DL:LB#3* GWKnighton 3/13/85
DL:AD/L* TMNovak 3/14/85	DL:AD/L* FMiraglia 3/14/85	DL:DIR* HLThompson 3/15/85	NRR DGEisenhut 1/85	NRR HRDenton 3/16/85		

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Center (ADL)  
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President, Police Jury  
St. Charles Parrish  
Hahnville, Louisiana 70057

March 16, 1985

WATERFORD STEAM ELECTRIC STATION, UNIT 3 ISSUANCE OF FACILITY OPERATING LICENSE

DISTRIBUTION

Docket File 50-382

NRC PDR

Local PDR

PRC System

NSIC

LB#3 Reading

JLee (25)

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TMNovak

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JRutberg

LDewey

CMiles

HDenton

WMiller, LFMB

JPartlow

BGrimes

EJordan

LHarmon

DBrinkman

TBarnhart (4)

IBailey

HLThompson

FMiraglia

LLazo

DCrutchfield



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

LOUISIANA POWER AND LIGHT COMPANY

DOCKET NO. 50-382

WATERFORD STEAM ELECTRIC STATION, UNIT 3

FACILITY OPERATING LICENSE

License No. NPF-38

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for license filed by the Louisiana Power and Light Company (licensee) 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 Waterford Steam Electric Station, Unit 3 (facility), has been substantially completed in conformity with Construction Permit No. CPPR-103 and the application as amended, the provisions of the Act, and 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 Sections 1.I. and 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 Sections 1.I. and 2.D. below);
  - E. The Louisiana Power & Light Company is technically qualified to engage in the activities authorized by this operating license in accordance with the Commission's regulations set forth in 10 CFR Chapter I;
  - F. The licensee has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements", of the Commission's regulations;

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- 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 after considering available alternatives, the issuance of the Facility Operating License No. NPF-38, 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, except that an exemption to the provisions of 10 CFR 70.24 is granted as described in Supplement No. 8 to the Safety Evaluation Report. This exemption is authorized under 10 CFR 70.24(d) and will not endanger life or property or the common defense and security and is otherwise in the public interest.
2. Pursuant to approval by the Nuclear Regulatory Commission at a meeting on March 15, 1985, the license for fuel loading and low power testing, License No. NPF-26, issued on December 18, 1984, is superseded by Facility Operating License No. NPF-38 hereby issued to the Louisiana Power and Light Company (the licensee) to read as follows:
- A. This license applies to the Waterford Steam Electric Station, Unit 3, a pressurized water reactor and associated equipment (the facility), owned by Louisiana Power and Light Company (the licensee). The facility is located on the licensee's site in St. Charles Parish, Louisiana and is described in the Louisiana Power and Light Company Final Safety Analysis Report as amended, and the Environmental Report as amended.
  - B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Louisiana Power and Light Company (LP&L):
    - 1. Pursuant to Section 103 of the Act and 10 CFR Part 50, to possess, use and operate the facility at the designated location in St. Charles Parish, Louisiana in accordance with the procedures and limitations set forth in this license;
    - 2. 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 through Amendment 36;

3. 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;
  4. 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
  5. 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

The licensee is authorized to operate the facility at reactor core power levels not in excess of 3390 megawatts thermal (100% power) in accordance with the conditions specified herein and in Attachment 1 to this license. The items identified in Attachment 1 to this license shall be completed as specified. Attachment 1 is hereby incorporated into this license.
  2. Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in the attached Appendix A and the Environmental Protection Plan contained in the attached Appendix B, are hereby incorporated in this license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.
  3. Antitrust Conditions

The licensee shall comply with the antitrust conditions in Appendix C to this license.

4. Broad Range Toxic Gas Detectors (Section 2.2.1, SSER 6\*)

Prior to startup following the first refueling outage, the licensee shall propose technical specifications for the Broad Range Toxic Gas Detection System for inclusion in Appendix A to this license.

5. Initial Inservice Inspection Program (Section 6.6, SSER 5)

By June 1, 1985, the licensee must submit an initial inservice inspection program for staff review and approval.

6. Environmental Qualification (Section 3.11, SSER 8)

Prior to November 30, 1985, the licensee shall environmentally qualify all electrical equipment according to the provisions of 10 CFR 50.49.

7. Axial Fuel Growth (Section 4.2, SSER 5)

Prior to entering Startup (Mode 2) after each refueling, the licensee shall either provide a report that demonstrates that the existing fuel element assemblies (FEA) have sufficient available shoulder gap clearance for at least the next cycle of operation, or identify to the NRC and implement a modified FEA design that has adequate shoulder gap clearance for at least the next cycle of operation. This requirement will apply until the NRC concurs that the shoulder gap clearance provided is adequate for the design life of the fuel.

8. Emergency Preparedness (Section 13.3, SSER 8)

In the event that the NRC finds that the lack of progress in completion of the procedures in the Federal Emergency Management Agency's final rule, 44 CFR Part 350, is an indication that a major substantive problem exists in achieving or maintaining an adequate state of emergency preparedness, the provisions of 10 CFR Section 50.54(s)(2) will apply.

\*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.

9. Fire Protection (Section 9.5.1, SSER 8)

- a. The licensee shall maintain in effect all provisions of the approved fire protection program as described in the Final Safety Analysis Report for the facility through Amendment 36 and as approved in the SER through Supplement 9, subject to provisions b & c below.
- b. The licensee may make no change to features of the approved fire protection program which would decrease the level of fire protection in the plant without prior approval of the Commission. To make such a change the licensee must submit an application for license amendment pursuant to 10 CFR 50.90.
- c. The licensee may make changes to features of the approved fire protection program which do not decrease the level of fire protection without prior Commission approval, provided:
  - (1) such changes do not otherwise involve a change in a license condition or technical specification or result in an unreviewed safety question (see 10 CFR 50.59).
  - (2) such changes do not result in failure to complete the fire protection program approved by the Commission prior to license issuance.

The licensee shall maintain, in an auditable form, a current record of all such changes including an analysis of the effects of the change on the fire protection program and shall make such records available to NRC inspectors upon request. All changes to the approved program made without prior Commission approval shall be reported annually to the Director of the Office of Nuclear Reactor Regulation, together with supporting analyses.

- d. The licensee shall provide smoke detectors in the Control Room main control panels, which are installed in accordance with NFPA 72E, prior to startup following the first refueling outage.
- e. The licensee shall complete modifications resulting from its spurious signal analysis prior to startup following the first refueling outage, but in any case not later than June 1, 1987.

- f. The licensee shall provide neutron flux indication at LCP-43 which is electrically independent of the control room and cable vault prior to start-up following the first refueling outage, but in any case not later than June 1, 1987.
- g. The licensee shall provide a continuous fire watch in the relay room at the isolation panel from initial criticality until acceptable resolution of adverse effects, if any, of the loss of this panel on safe shutdown.

10. Post-Fuel-Loading Initial Test Program (Section 14, SSER 10)

Any changes to the Initial Test Program described in Section 14 of the FSAR 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.

11. Emergency Response Capabilities (Section 22, SSER 8)

The licensee shall comply with the requirements of Supplement 1 to NUREG-0737 for the conduct of a Detailed Control Room Design Review (DCRDR). Prior to May 1, 1985, the licensee shall submit for staff review and approval the DCRDR Summary Report, including a description of the process used in carrying out the function and task analysis performed as a part of both the DCRDR and the Procedures Generation Package efforts.

12. Reactor Coolant System (RCS) Depressurization Capability (Section 5.4.3, SSER 8)

By June 18, 1985, the licensee shall submit the results of confirmatory tests regarding the depressurization capability of the auxiliary pressurizer spray (APS) system. This information must demonstrate that the APS system can perform the necessary depressurization to meet the steam generator single-tube rupture accident acceptance criteria (SRP 15.6.3) with loop charging isolation valve failed open. Should the test results fail to demonstrate that the acceptance criteria are met, the licensee must provide for staff review and approval, justification for interim operation, and a schedule for corrective actions.

13. Response to Salem ATWS Event (Section 7.2.9, SSER 8)

The licensee shall submit responses and implement the requirements of Generic Letter 83-28 on a schedule which is consistent with that given in the licensee's letter of May 30, 1984.

14. Spent Fuel Storage Racks (Section 9.1.2 SSER 8)

The licensee shall confirm the presence of the Boraflex at all specified design locations in the spent fuel pool rack array prior to startup following the first refueling outage. The spent fuel storage racks may be used prior to satisfactory completion of the confirmatory tests, provided fuel assemblies are stored only in alternate rows and columns in the racks with center-to-center spacing between fuel assemblies of at least 20.5 inches. No more than one fuel assembly shall be outside an approved shipping container, storage rack or fuel transfer tube in the fuel handling building at any time.

15. Qualification of Personnel (Section 13.1.3, SSER 8)

The licensee shall have on each shift operators who meet the requirements described in Attachment 2. Attachment 2 is hereby incorporated into this license.

16. Operational QA Enhancement Program (SSER 9)

The items listed below shall be completed on the schedule indicated.

- a. Prior to completion of Phase III of the Waterford 3 startup test program, the licensee shall conduct a comprehensive audit of the Operational QA Program that will include a summary QA document of the Operational QA Program, the definition of responsibilities and interfaces, and guidance on the location of information on QA matters at all levels of concern.
- b. Prior to completion of Phase III of the Waterford 3 startup test program, the licensee shall supplement its existing QA training program to incorporate specific discussion of QA problems experienced during construction and how this experience applies to operational activities.
- c. Prior to completion of Phase III of the Waterford 3 startup test program, the licensee shall address each of the recommendations in the Task Force Support Group (TFSG) Limited Scope Audit Report of LP&L Operational Quality Assurance Program, dated December 4, 1984.
- d. Prior to completion of Phase III of the Waterford 3 startup test program, the licensee shall complete corrective actions related to the 23 NRC issues as identified in the LP&L responses.

17. Basemat

The licensee shall comply with its commitments to perform a basemat cracking surveillance program and additional confirmatory analyses of basemat structural strength as described in its letter of February 25, 1985. Any significant change to this program shall be reviewed and approved by the NRC staff prior to its implementation.

- D. The facility requires an exemption from certain requirements of Appendices E and J to 10 CFR Part 50. These exemptions are described in the Office of Nuclear Reactor Regulation's Safety Evaluation Report, Supplement No. 10 (Section 6.1.2) and Supplement No. 8 (Section 6.2.6), respectively. These exemptions are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest. These exemptions are, therefore, hereby granted pursuant to 10 CFR 50.12. 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.
- E. The licensee shall fully implement and maintain in effect all the provisions of the Commission-approved physical security, guard training and qualification and safeguards contingency plans, including amendments made pursuant to the authority of 10 CFR Section 50.54(p). The approved plans, which contain Safeguards Information as described in 10 CFR Section 73.21, are entitled "Physical Security Plan, Waterford Steam Electric Station Unit No. 3", Revision 6, dated July 6, 1981, Revision 7 dated February 23, 1983, Revision 8 dated April 10, 1984 (transmittal letter dated April 11, 1984); "Waterford 3 Steam Electric Station Safeguards Contingency Plan," dated February 1, 1980 as revised July 1, 1980, Revision 2 dated March 14, 1983 and Revision 3, dated January 16, 1984; transmittal letter dated January 12, 1984; "Waterford Steam Electric Station Unit No. 3 Security Training & Qualification Plan" dated February 1, 1980, as revised by pages submitted by letter dated April 23, 1981, Revision 2 dated December 19, 1983, transmittal letter dated December 16, 1983.
- F. Except as otherwise provided in the Technical Specifications or the Environmental Protection Plan, the licensee 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 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).
- G. The licensee 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.

- H. This license is effective as the date of issuance and shall expire at midnight on December 18, 2024.

FOR THE NUCLEAR REGULATORY COMMISSION



Harold R. Denton, Director  
Office of Nuclear Reactor Regulation

Enclosures:

1. Attachment 1
2. Attachment 2
3. Appendix A (Technical Specifications) (NUREG-1117)
4. Appendix B (Environmental Protection Plan)
5. Appendix C (Antitrust Conditions)

Date of Issuance: March 16, 1985

MAR 16 1985

ATTACHMENT 1

WATERFORD STEAM ELECTRIC STATION  
OPERATING LICENSE NPF-38

This attachment identifies items which must be completed to the Commission's satisfaction prior to startup following the first refueling outage.

- ° Continuous, direct position indication in the control room for the containment isolation valves for instrument line penetrations 53 and 65.

MAR 16 1985

ATTACHMENT 2

Waterford Steam Electric Station  
Operating License NPF-38

Operating Staff Experience Requirements

LP&L shall have a licensed senior operator on each shift who has had at least six months of hot operating experience on a pressurized water reactor, including at least six weeks at power levels greater than 20% of full power, and who has had startup and shutdown experience. For those shifts where such an individual is not available on the plant staff, an advisor shall be provided who has had at least four years of power plant experience, including two years of nuclear plant experience, and who has had at least one year of experience on shift as a licensed senior operator at a similar type facility. Use of advisors who were licensed only at the RO level will be evaluated on a case-by-case basis. Advisors shall be trained on plant procedures, technical specifications and plant systems, and shall be examined on these topics at a level sufficient to assure familiarity with the plant. For each shift, the remainder of the shift crew shall be trained in the role of the advisors. Advisors, or fully trained and qualified replacements, shall be retained until the experience levels identified in the first sentence above have been achieved. The names of any replacement advisors shall be certified by LP&L prior to these individuals being placed on shift. The NRC shall be notified at least 30 days prior to the date LP&L proposes to release the advisors from further service.

APPENDIX B  
TO FACILITY OPERATING LICENSE NO. NPF-38  
WATERFORD STEAM ELECTRIC STATION - UNIT NO. 3

LOUISIANA POWER & LIGHT COMPANY  
DOCKET NO. 50-382

*TEETS*

ENVIRONMENTAL PROTECTION PLAN  
(NONRADIOLOGICAL)

MARCH 1985

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WATERFORD STEAM ELECTRIC STATION - UNIT NO. 3

ENVIRONMENTAL PROTECTION PLAN

(NON-RADIOLOGICAL)

TABLE OF CONTENTS

Section	Page
1.0 Objectives of the Environmental Protection Plan. . . . .	1-1
2.0 Environmental Protection Issues. . . . .	2-1
2.1 Aquatic Resources Issues. . . . .	2-1
2.2 Terrestrial Resources Issues. . . . .	2-1
2.3 Cultural Resources Issues . . . . .	2-1
3.0 Consistency Requirements. . . . .	3-1
3.1 Plant Design and Operation. . . . .	3-1
3.2 Reporting Related to the NPDS Permit and State Certification . . . . .	3-2
3.3 Changes Required for Compliance with other Environmental Regulations . . . . .	3-3
4.0 Environmental Conditions. . . . .	4-1
4.1 Unusual or Important Environmental Events. . . . .	4-1
4.2 Environmental Monitoring. . . . .	4-1
5.0 Administrative Procedures . . . . .	5-1
5.1 Review and Audit. . . . .	5-1
5.2 Records Retention . . . . .	5-1
5.3 Changes in Environmental Protection Plan. . . . .	5-1
5.4 Plant Reporting Requirements. . . . .	5-2

## 1.0 Objectives of the Environmental Protection Plan

The Environmental Protection Plan (EPP) is to provide for protection of environmental values during construction and operation of the nuclear facility. The principal objectives of the EPP are as follows:

- (1) Verify that the plant is operated in an environmentally acceptable manner, as established by the FES-OL and other NRC environmental impact assessments.
- (2) Coordinate NRC requirements and maintain consistency with other Federal, State, and local requirements for environmental protection.
- (3) Keep NRC informed of the environmental effects of facility construction and operation and of actions taken to control those effects.

Environmental concerns identified in the FES-OL which relate to water quality matters and regulated by way of the licensee's NPDES permit.

## 2.0 Environmental Protection Issues

In the FES-OL dated September 1981, the staff considered the environmental impacts associated with the operation of Waterford Steam Electric Station Unit No. 3. The environmental resources which were evaluated, and the corresponding NRC staff decisions regarding the protection of each resource are as follows:

### 2.1 Aquatic Resources Issues

Effluent limitations and monitoring requirements are contained in the NPDES Permit (No. LA 0007374) issued by the U.S. Environmental Protection Agency, Region VI. The NRC will rely on EPA for regulation of matters involving the protection of water quality and aquatic biota.

### 2.2 Terrestrial Resources Issues

No terrestrial resources issues were raised by the staff in the FES-OL.

### 2.3 Cultural Resources Issues

There are two archaeological sites on the licensee's property which have been determined to be eligible for the National Register of Historic Places. Protection for these two sites will be provided through a Cultural Resources Protection Plan. NRC requirements with regard to the cultural resources issue are specified in Subsection 4.2.1 of this EPP.

### 3.0 Consistency Requirements

#### 3.1 Plant Design and Operation

The licensee may make changes in station design or operation or perform tests or experiments affecting the environment, provided such activities do not involve an unreviewed environmental question and do not involve a change in the EPP. Changes in plant design or operation or performance of tests or experiments which do not affect the environment are not subject to the requirements of this EPP. Activities governed by Section 3.3 are not subject to the requirements of this Section.

Before engaging in construction or operation activities which may significantly affect the environment, the licensee shall prepare and record an environmental evaluation of such activity. Activities are excluded from this requirement if all measurable nonradiological effects are confined to the on-site areas previously disturbed during site preparation and plant construction. When the evaluation indicates that such activity involves an unreviewed environmental question, the licensee shall provide a written evaluation of such activity and obtain prior NRC approval. When such activity involves a change in the EPP, such activity and change to the EPP may be implemented only in accordance with an appropriate license amendment as set forth in Section 5.3 of this EPP.

A proposed change, test or experiment shall be deemed to involve an unreviewed environmental question if it concerns: (1) a matter which may result in a significant increase in any adverse environmental impact previously evaluated

in the FES-OL, environmental impact appraisals, or in any decisions of the Atomic Safety and Licensing Board; or (2) a significant change in effluents or power level [in accordance with 10 CFR Part 51.5(b)(2)] or (3) a matter, not previously reviewed and evaluated in the documents specified in (1) of this Subsection, which may have a significant adverse environmental impact.

The licensee shall maintain records of changes in facility design or operation and of tests and experiments carried out pursuant to this Subsection. These records shall include written evaluations which provide bases for the determination that the change, test, or experiment does not involve an unreviewed environmental question or constitute a decrease in the effectiveness of this EPP to meet the objectives specified in Section 1.0. The licensee shall include as part of its Annual Environmental Operating Report (per Subsection 5.4.1) brief descriptions, analyses, interpretations, and evaluations of such changes, tests and experiments.

### 3.2 Reporting Related to the NPDES Permit and State Certification

Violations of the NPDES Permit or the State certification (pursuant to Section 401 of the Clean Water Act) shall be reported to the NRC by providing copies of the reports required by the NPDES Permit or State Certification. The licensee shall also provide the NRC with copies of the results of studies, other than routine monitoring, conducted in accordance with the NPDES Permit at the same time they are submitted to the permitting agency.

Changes to, or renewals of, the NPDES Permit or the State certification shall be reported to the NRC within 30 days following the date the change or renewal is approved. If a permit or certification, in part or in its entirety, is appealed and stayed, the NRC shall be notified within 30 days following the date the stay is granted.

The NRC shall be notified of changes to the effective NPDES Permit proposed by the licensee by providing NRC with a copy of the proposed change at the same time it is submitted to the permitting agency. The licensee shall provide the NRC a copy of the application for renewal of the NPDES Permit at the same time the application is submitted to the permitting agency.

### 3.3 Changes Required for Compliance with Other Environmental Regulations

Changes in plant design or operation and performance of tests or experiments which are required to achieve compliance with other Federal, State, and local environmental regulations are not subject to the requirements of Section 3.1.

## 4.0 Environmental Conditions

### 4.1 Unusual or Important Environmental Events

Any occurrence of an unusual or important event that indicates or could result in significant environmental impact causally related to plant operation shall be recorded and reported to the NRC within 24 hours, followed by a written report per Subsection 5.4.2. The following are examples: excessive bird impaction events, onsite plant or animal disease outbreaks, mortality or unusual occurrence of any species protected by the Endangered Species Act of 1973, fish kills, increase in nuisance organisms or conditions, and unanticipated or emergency discharge of waste water or chemical substances.

No routine monitoring programs are required to implement this condition.

### 4.2 Environmental Monitoring

#### 4.2.1 Cultural Resources Protection Plan

The licensee, the NRC and the State Historic Preservation Officer (SHPO) concur that the appropriate action to be taken to negate any possible adverse effects to the Waterford 3 cultural resources by the operation and maintenance activities of the licensee will be through a Cultural Resources Protection Plan that provides documentation of a "no adverse effect" determination.

This Cultural Resources Protection Plan was transmitted to the NRC and the SHPO by a letter from L. V. Maurin to G. W. Knighton, dated April 15, 1983 for

final review and concurrence, after which the NRC submitted the plan to the Advisory Council on Historic Preservation (ACHP) for comment on September 28, 1983. ACHP concurrence was received by the NRC, on October 18, 1983 without change.

The Cultural Resources Protection Plan, as referenced above, is the binding document to which the licensee will adhere and this Section of the EPP is considered fully satisfied with no further action required.

## 5.0 Administrative Procedures

### 5.1 Review and Audit

The licensee shall provide for review and audit of compliance with the Environmental Protection Plan. The audits shall be conducted independently of the individual or groups responsible for performing the specific activity. A description of the organizational structure utilized to achieve the independent review and audit function and results of the audit activities shall be maintained and made available for inspection.

### 5.2 Records Retention

Records and logs relative to the environmental aspects of station operation shall be made and retained in a manner convenient for review and inspection. These records and logs shall be made available to the NRC on request.

Records of modifications to plant structures, systems and components determined to potentially affect the continued protection of the environment shall be retained for the life of the plant. All other records, data and logs relating to this EPP shall be retained for five years or, where applicable, in accordance with the requirements of other agencies.

### 5.3 Changes in Environmental Protection Plan

Request for a change in the Environmental Protection plan shall include an assessment of the environmental impact of the proposed change and a supporting

justification. Implementation of such changes in the EPP shall not commence prior to NRC approval of the proposed changes in the form of a license amendment incorporating the appropriate revision to the Environmental Protection Plan.

## 5.4 Plant Reporting Requirements

### 5.4.1 Routine Reports

An Annual Environmental Operating Report describing implementation of this EPP for the previous year shall be submitted to the NRC prior to May 1 of each year. The initial report shall be submitted prior to May of the year following issuance of the operating license. The period of the first report shall begin with the date of issuance of the operating license.

The report shall include summaries and analyses of the results of the environmental protection activities required by Subsection 4.2 of this Environmental Protection Plan for the report period, including a comparison with any related preoperational studies, operational controls (as appropriate), and previous non-radiological environmental monitoring reports, and an assessment of the observed impacts of the plant operation on the environment. If harmful effects or evidence of trends toward irreversible damage to the environmental are observed, the licensee shall provide a detailed analysis of the data and a proposed course of mitigating actions.

The Annual Environmental Operating Report shall also include:

- (a) A list of EPP noncompliances and the corrective actions taken to remedy them.
- (b) A list of all changes in station design or operation, tests, experiments made in accordance with Subsection 3.1 which involved a potentially significant unreviewed environmental question.
- (c) A list of nonroutine reports submitted in accordance with Subsection 5.4.2.

In the event that some results are not available by the report due date, the report shall be submitted noting and explaining the missing results. The missing results shall be submitted as soon as possible in a supplementary report.

#### 5.4.2 Nonroutine Reports

A written report shall be submitted to the NRC within 30 days of occurrence of any event described in Section 4.1 of this Plan. The reports shall (a) describe, analyze, and evaluate the event, including extent and magnitude of the impact and plant operating characteristics, (b) describe the probable cause of the event, (c) indicate the action taken to correct the reported event, (d) indicate the corrective action taken to preclude repetition of the event and to prevent similar occurrences involving similar components or systems, and (e) indicate the agencies notified and their preliminary responses.

Events reportable under this subsection which also require reports to other Federal, State or local agencies shall be reported in accordance with those reporting requirements in lieu of the requirements of this subsection. The NRC shall be provided a copy of such report at the same time it is submitted to the other agency.

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

APPENDIX C

ANTITRUST CONDITIONS  
FACILITY OPERATING LICENSE NO. NPF-38

- (1) (a) As used herein, "entity" shall mean any municipality, rural electric cooperative, public or private corporation, governmental agency such as TVA and Southwest Power Administration, or lawful association of any of the foregoing (a) which lawfully exists and owns and operates or proposes in good faith to own or operate facilities for generation of electric power and energy; (b) which, with exception of municipalities, rural electric cooperatives and governmental agencies, is or will upon commencement of operations be a public utility (or in the case of an association each member thereof, excepting municipalities, rural electric cooperatives and governmental agencies, is a public utility) under the law of Louisiana and the Federal Power Act and provides or upon commencement of operations will provide electric service under contracts or rate schedules on file with and subject to regulation of the Louisiana Public Service Commission and the FPC; and (c) with which applicant has or may feasibly have a physical interconnection within the State of Louisiana.

For the purposes of paragraphs 5 and 6 hereof, any person who would otherwise qualify as an "entity" herein above except for not meeting the requirements of 1(a) shall be considered an "entity" if that person owns or operates or proposes in good faith to own or operate facilities for generation, transmission and/or distribution of electric power and energy.

- (b) "Cost" means any operating and maintenance expenses involved together with any ownership costs which are reasonably allocable to the transaction consistent with power pooling practices (where applicable). No value shall be included for loss of revenues from sale of power at wholesale or retail by one party to a customer which another party might otherwise serve. Cost shall include a reasonable return on the applicant's investment. The sale of a portion of the capacity of a generating unit shall be upon the basis of a rate that will recover to the seller the pro rata part of the fixed costs and operating and maintenance expenses of the unit, provided that, in circumstances in which the applicant and one or more entities in Louisiana take an undivided interest in a unit in fee, construction costs and operation and maintenance expenses shall be paid pro rata.

- (2) (a) The applicant shall interconnect and share reserves on an equalized percentage reserve basis with any entity in Louisiana which engages in or proposes to engage in electric generation and/or bulk power purchases on terms that will provide for the applicant's costs, and allow the other participant(s) full access to the benefits of reserve sharing coordination, and in addition, shall include but not be limited to emergency service, scheduled maintenance service, and establishing reserves. Such interconnection shall be at a voltage and capacity requested by such entity whenever it is economically feasible for the parties.
- (b) Emergency service and/or scheduled maintenance service to be provided by each party shall be furnished to the fullest extent available from the supplying party and desired by the party in need. The applicant and each party(ies) shall provide to the other emergency service and/or scheduled maintenance service if and when available from its own generation and from generation of others to the extent it can do so without impairing service to its customers including other electric systems to whom it has firm commitments.
- (c) The applicant and the other party(ies) to a reserve sharing arrangement shall from time to time jointly establish the minimum reserves to be installed and/or provided under contractual arrangements as necessary to maintain in total a reserve margin sufficient to provide adequate reliability of power supply to the interconnected systems of the parties. If the applicant plans its reserve margin on a pooled basis with other Middle South System companies, the reserves jointly established hereunder shall be on the same basis. Unless otherwise agreed upon, minimum reserves shall be calculated as a percentage of estimated peak load responsibility. No party to the arrangement shall be required to maintain greater reserves than the percentage of its estimated peak load responsibility which results from the aforesaid calculation, provided that, if the reserve requirements of the applicant are increased over the amount the applicant would be required to maintain without such interconnection, then the other party(ies) shall be required to carry or provide for as its (their) reserves the full amount in kilowatts of such increase.

- (d) The parties to such a reserve sharing arrangement shall provide such amounts of ready reserve capacity as may be adequate to avoid the imposition of unreasonable demands on the other in meeting the normal contingencies of operating its system. However, in no circumstances shall the ready reserve requirement exceed the installed reserve requirement.
  - (e) Interconnections will not be limited to low voltages when higher voltages are available from the applicant's installed facilities in the area where interconnection is desired, when the proposed arrangement is found to be technically and economically feasible. Control and telemetering facilities shall be provided as required for safety and prudent operation of the interconnected systems.
  - (f) Interconnection and coordination agreements shall not embody any restrictive provisions pertaining to intersystem coordination. Good industry practice as developed in the area from time to time (if non-restrictive) will satisfy this provision.
- (3) The applicant will purchase (when needed) or sell (when available) "unit power" or "deficiency power" at mutually agreed upon delivery points on or adjacent to its transmission system from or to any entity engaging in or proposing to engage in electric generation and/or bulk power purchases at the cost - (including a reasonable return) of new power supply, as distinguished from average system cost, when such transaction would serve to reduce the overall cost of new bulk power supply for itself and the other participant to the transaction.
- (4) With respect to Waterford Unit No. 3 and any future nuclear generating plant or unit of the applicant, or any plant or unit in which the applicant may acquire an interest in Louisiana, any entity that expresses an interest in participation will be offered (1) for Waterford Unit No. 3 and for any future nuclear generating plant or unit of the applicant, the opportunity to have access\* to a portion of the plant or unit capacity, or (2) with respect to any plant or unit in which the applicant may acquire an interest, the opportunity to have access\* to a portion of the plant or unit capacity to the extent the applicant is able; in either event, upon the basis of a rate that will recover to the applicant the average fixed costs (including a reasonable return) of the

\*"The opportunity to have access" shall be for a period of one year after the applicant has provided to each enquiring entity financial data, which in the opinion of the Regulatory staff of the Commission is sufficient to enable such entity to make a feasibility study as to participation. The applicant shall provide such financial data as soon as reasonably feasible after receiving an inquiry. As to any entity or some or all entities in Louisiana the applicant can start the running of the aforesaid one year period by supplying to it or them, without waiting for an inquiry, the aforesaid financial data.

plant or unit or the applicant's interest in any plant or unit.\*\* The entity receiving such power will pay the associated energy, maintenance, and operating costs incurred for the power it receives. In connection with this access, the applicant will also offer transmission service to the geographic extent of its then existing transmission system for delivery of such power to such purchasing entity on a basis that will fully compensate the applicant for its transmission costs (including a reasonable return).

In the event that the law of Louisiana should be changed to the extent that property owned jointly is not susceptible to partition and that such joint ownership is not otherwise an impediment to financing, the Company must, in accordance with the provisions of its Commitment 4, offer joint ownership in any future nuclear generating plant or unit owned by it (or in which it may acquire an interest in Louisiana) to any entity requesting such access.

In the event that during the term of the instant license, or any extension or renewal thereof, the applicant participates in the ownership of or obtains rights to, and obligations in, a portion of the output of one or more nuclear generating units constructed, owned or operated by an affiliate or subsidiary of the Middle South Utilities System other than the applicant or by any successor in title to the Waterford Nuclear Unit, the applicant shall exert its best efforts to obtain participation in such nuclear unit by an entity(ies) in the State of Louisiana requesting such participation on terms equivalent to the terms of the applicant's participation therein. In connection with such participation, the applicant will also offer transmission service to the geographic extent of its then existing transmission system for delivery of such power to such purchasing entity on a basis that will fully compensate the applicant for its transmission cost (including a reasonable return).

For the purposes of this paragraph, any person who would otherwise qualify as an "entity" except for the lack of a physical interconnection with the applicant shall be considered an "entity" if that person is or will be interconnected with an "entity" or member of the Southwest Power Pool which is interconnected with the applicant.

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\*\*Nothing herein shall be deemed to exclude the participation of an entity through a prepaid unit power basis should such participation be economically, technically and legally feasible. Moreover, nothing herein shall be deemed to exclude participation of an entity on a joint venture basis in Waterford Unit 3 if the Company shall in its sole discretion decide to enter into such a joint venture.

- (5) The applicant shall transmit power and energy over its transmission facilities among entities in the State of Louisiana with which it is interconnected and has or will have a transmission schedule in effect. For each coordinating group of entities there shall be a single transmission charge. In addition, for any entity with whom applicant is interconnected, the applicant will transmit to or from that entity's then existing interconnection with the applicant, power delivered to the applicant by another entity (or from the applicant to another entity) whose transmission facilities adjoin those of the applicant, provided (1) there is or will be a transmission schedule in effect, and (2) the arrangements reasonably can be accommodated from a functional and technical standpoint. The transmission of such power and energy shall be at a rate that will fully compensate the applicant for its costs (including a reasonable return) for the use of its system. Any entity or group of entities requesting such transmission arrangements shall give reasonable advance notice of its schedule and requirements. (The foregoing applies to any entities to which the applicant may be interconnected in the future as well as those to which it is now interconnected.)

The applicant shall include in its planning and construction program sufficient transmission capacity as required for the transactions referred to in the above paragraph, and in those instances where such transactions are consummated, a transmission schedule(s) shall be placed in effect; provided that any entity in the State of Louisiana give the applicant sufficient advance notice as may be necessary to accommodate its requirements from a functional and technical standpoint and that such entity fully compensates the applicant for its cost (including a reasonable return). The applicant shall not be required to construct transmission facilities which will be of no demonstrable present or future benefit to the applicant.

For the purposes of this paragraph, (1) any person in the State of Louisiana who would otherwise qualify as an "entity" except for the lack of a physical interconnection with the applicant shall be considered an "entity" if that person is or will be interconnected with an "entity" or member of the Southwest Power Pool which is interconnected with the applicant; and (2) Arkansas Power and Light Company, Mississippi Power and Light Company, and Mississippi Power Company, or any successor thereof, shall also be considered "entities."

- (6) The applicant will enter into arrangements mutually agreed upon for the sale of power and energy under its effective [rate schedule] tariffs to any entity that owns an electric distribution system and has or may feasibly have a physical interconnection within the State of Louisiana. In connection with such arrangements, the applicant shall not be required to construct facilities which will be of no demonstrable present or future benefit to the applicant.
- (7) It is recognized that the foregoing conditions are to be implemented in a manner consistent with the provisions of the Federal Power Act to the extent applicable, and all rates, charges or practices in connection therewith are to be subject to the approval of regulatory agencies having jurisdiction over them.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-382

WATERFORD STEAM ELECTRIC STATION, UNIT 3

LOUISIANA POWER & LIGHT COMPANY

NOTICE OF ISSUANCE OF FACILITY OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission), has issued Facility Operating License No. NPF-38, (the license) to Louisiana Power & Light Company (the licensee). This license authorizes operation of the Waterford Steam Electric Station, Unit 3 (the facility), by the licensee at reactor core power levels not in excess of 3390 megawatts thermal in accordance with the provisions of the license, the technical specifications and the environmental protection plan. On December 18, 1984, the Commission issued Facility Operating License No. NPF-26, which authorized operation of Waterford Steam Electric Station. Facility Operating License No. NPF-38 supersedes Facility Operating License No. NPF-26.

Waterford Steam Electric Station, Unit 3 is a pressurized water nuclear reactor located at the licensee's site in St. Charles Parrish, Louisiana approximately 24 miles west of the City of New Orleans.

The application for the license, as amended, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations. Issuance of this license has been authorized by the Atomic Safety and Licensing Board by its Partial Initial Decisions dated November 3, 1982 and May 26, 1983. The Commission has made appropriate findings as required by the Act and the Commission's regulations in 10 CFR Chapter I,

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which are set forth in the license. Prior public notice of the overall action involving the proposed issuance of an operating license authorizing full power operation was published in the FEDERAL REGISTER on January 2, 1979 (44 F.R. 125).

The Commission has determined that the issuance of this license will not result in any environmental impacts other than those evaluated in the Final Environmental Statement since the activity authorized by the license is encompassed by the overall action evaluated in the Final Environmental Statement.

For further details with respect to this action, see (1) Facility Operating License No. NPF-38, with technical specifications (NUREG-1117) and Environmental Protection Plan; (2) the reports of the Advisory Committee on Reactor Safeguards dated August 11, 1981, and March 9, 1982; (3) the Commission's Safety Evaluation Report (NUREG-0787) dated July, 1981; Supplement No. 1 dated October 1981; Supplement No. 2 dated January 1982; Supplement No. 3 dated April 1982; Supplement No. 4 dated October 1982; Supplement No. 5 dated June 1983; Supplement No. 6 dated June 1984; Supplement No. 7 dated September 1984, Supplement No. 8 dated December 1984; Supplement No. 9 dated December 1984; and Supplement No. 10 dated March 1985; (4) The Final Safety Analysis Report and amendments thereto; (5) the Environmental Report and amendments thereto; (6) the Final Environmental Statement dated September 1981; and (7) the Partial Initial Decisions issued by the Atomic Safety and Licensing Board dated November 3, 1982 and May 26, 1983.

These items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and the University of New Orleans Library, Louisiana Collection, Lakefront, New Orleans, Louisiana. A copy of Facility Operating License No. NPF-38 may be obtained upon request

addressed to the U. S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing. Copies of the Safety Evaluation Report and its Supplements 1 through 10 (NUREG-0787) and the Technical Specifications (NUREG-1117) may be purchased by calling 301-492-9530 or by writing to the Publication Services Section, Division of Technical Information and Document Control, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555 or may be purchased from the National Technical Information Service, Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161.

Dated at Bethesda, Maryland, the 16th day of March, 1985.

FOR THE NUCLEAR REGULATORY COMMISSION

  
George W. Knighton, Chief  
Licensing Branch No. 3  
Division of Licensing

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UNITED STATES NUCLEAR REGULATORY COMMISSION

LOUISIANA POWER AND LIGHT COMPANY

WATERFORD STEAM ELECTRIC STATION, UNIT 3

DOCKET NO. 50-382

NOTICE OF ENVIRONMENTAL ASSESSMENT

AND FINDING OF NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering granting of relief from a portion of the requirements of 10 CFR Part 50, Appendix E to Louisiana Power and Light Company (the licensee) for the Waterford Steam Electric Station, Unit 3, located at the licensee's site in St. Charles Parish, Louisiana approximately 24 miles west of the City of New Orleans.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action: The exemption from Section IV.F of Appendix E to 10 CFR Part 50 would allow the licensee to proceed above 5% of rated power without conducting another offsite emergency preparedness exercise before February 8, 1985. Section IV.F of Appendix E requires that an offsite exercise be conducted within one year before issuance of the first operating license for full power and prior to operation above 5% of rated power. The first and most recent full participation emergency preparedness exercise for Waterford 3 was conducted on February 8, 1984. The licensee projects that Waterford 3 will be ready for full power operation by mid-March 1985.

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Need for Proposed Action: The proposed exemption is required because Section IV.F of Appendix E would require that an offsite emergency preparedness exercise be conducted within one year prior to exceeding 5% power. In its letter dated January 25, 1985 the licensee provided justification for permitting operation beyond 5% power without conducting another offsite emergency preparedness exercise until the next scheduled exercise is held in September 1985. The NRC staff has reviewed the licensee's technical justification and agrees that an exemption from Appendix E is appropriate.

Environmental Impacts of Proposed Action: The proposed exemption would not affect the environmental impact of the facility because the level of emergency preparedness is not being degraded. The February 8, 1984 exercise demonstrated that offsite emergency preparedness at Waterford 3 is adequate. The state of offsite emergency preparedness is not expected to decrease because the State of Louisiana participates in exercises with two other nuclear plants during the year and Waterford 3 holds communications drills with State and local agencies monthly. The probability of an accident will not be increased and the post-accident radiological releases will not be greater than previously determined due to the proposed exemption, nor does the proposed exemption otherwise affect radiological plant effluents, nor result in any significant occupational exposure. Likewise the proposed exemption does not affect non-radiological plant effluents and has no other environmental impact. Therefore, the Commission concludes that there are no significant radiological or non-radiological environmental impacts associated with this proposed exemption.

Alternative to the Proposed Action: The staff has concluded that there is no measurable environmental impact associated with the proposed exemption. Thus, any alternatives to the relief will have either no environmental impact or greater environmental impact.

The principal alternative would be to deny the requested exemption. Such action would not reduce environmental impacts of Waterford 3 operations and would result in an unwarranted burden to the licensee and the State and local governments.

Alternative Use of Resources: This action does not involve the use of resources not previously considered in connection with the "Final Environmental Statement Related to Operation of Waterford Steam Electric Station, Unit 3," dated September 1981.

Agencies and Persons Consulted: The NRC staff has contacted FEMA and, after review of the licensee's technical justification, both agencies are in agreement that it is appropriate to grant the requested exemption.

#### FINDING OF NO SIGNIFICANT IMPACT

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the Commission has determined not to prepare an environmental impact statement for the proposed relief.

For further details with respect to the actions, see the licensee's request for the exemption dated January 25, 1985 which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the University of New Orleans Library, Louisiana Collection, Lakefront, New Orleans, Louisiana.

Dated at Bethesda, Maryland, this 5th day of March 1985.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas M. Novak, Assistant Director  
for Licensing  
Division of Licensing



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

Docket No. 50-382

AMENDMENT TO INDEMNITY AGREEMENT NO. B-92  
AMENDMENT NO. 3

Effective March 16, 1985, Indemnity Agreement No. B-92, between Louisiana Power and Light Company and the Nuclear Regulatory Commission, dated February 9, 1983, as amended, is hereby further amended as follows:

Item 3 of the Attachment to the indemnity agreement is deleted in its entirety and the following substituted therefor:

Item 3 - License number or numbers

SNM-1913	(From 12:01 a.m., February 9, 1983 to 12 midnight, December 17, 1984 inclusive)
NPF-26	(From 12:01 a.m., December 18, 1984 to 12 midnight inclusive)
NPF-38	(From 12:01 a.m., March 16, 1985 )

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

  
Jerome Saltzman, Assistant Director  
State and Licensee Relations  
Office of State Programs

Accepted \_\_\_\_\_

By \_\_\_\_\_  
LOUISIANA POWER AND LIGHT COMPANY