

JAN 27 1986

Docket No.: 50-382

Mr. R. S. Leddick
Louisiana Power and Light Company
317 Baronne Street, Mail Unit 17
New Orleans, Louisiana 70160

Dear Mr. Leddick:

Subject: Issuance of Amendment No. 3 to Facility Operating License No. NPF-38
for Waterford 3

The Commission has issued the enclosed Amendment No. 3 to Facility Operating License No. NPF-38 for the Waterford Steam Electric Station, Unit 3. The amendment consists of changes to the Technical Specifications in response to your application transmitted by letter dated June 6, 1985.

The amendment revises the Appendix A Technical Specifications by adding four smoke detectors in the Reactor Auxiliary Building and by correcting the identifying numbers of three containment isolation valves.

A copy of the Safety Evaluation supporting the amendment is also enclosed.

Sincerely,

ORIGINAL SIGNED BY

George W. Knighton, Director
PWR Project Directorate No. 7
Division of PWR Licensing-B

Enclosures:

- 1. Amendment No. 3 to NPF-38
- 2. Safety Evaluation

cc: See next page

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JWilson/yt
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Mr. R. S. Leddick
Louisiana Power & Light Company

Waterford 3

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

LOUISIANA POWER AND LIGHT COMPANY
DOCKET NO. 50-382
WATERFORD STEAM ELECTRIC STATION, UNIT 3
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 3
License No. NPF-38

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment, dated June 6, 1985, by Louisiana Power and Light Company (licensee), complies with standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C(2) of Facility Operating License No. NPF-38 is hereby amended to read as follows:

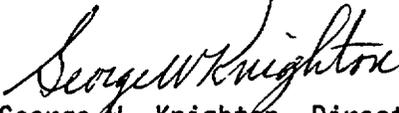
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(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 3, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in this license. LP&L shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION


George W. Knighton, Director
PWR Project Directorate No. 7
Division of PWR Licensing-B

Attachment:
Changes to the Technical
Specifications

Date of Issuance: **JAN 27 1986**

JAN 27 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 3
TO FACILITY OPERATING LICENSE NO. NPF-38
DOCKET NO. 50-382

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change. Also to be replaced are the following overleaf pages to the amended pages.

<u>Amendment Pages</u>	<u>Overleaf Pages</u>
3/4 3-52	3/4 3-51
3/4 6-29	-
3/4 6-30	-

TABLE 3.3-11
FIRE DETECTION INSTRUMENTS

<u>ZONE</u>	<u>ROOM NAME/NUMBER</u>	<u>ELEVATION</u> <u>(ft)</u>	<u>TOTAL NUMBER OF</u> <u>INSTRUMENTS*</u>		
			<u>HEAT</u> <u>(x/y)</u>	<u>FLAME</u> <u>(x/y)</u>	<u>SMOKE</u> <u>(x/y)</u>
1. REACTOR AUXILIARY BUILDING					
RAB 1A	Control Room Proper/304	+46			20/0
RAB 1B	Emergency Equip. H&V Room/314	+46			0/12
RAB 1D	Computer Room (above raised floor)/306	+46			5/0
	Computer Room (below raised floor)/306	+46			0/7
RAB 2	Ventilation Equip. Room/299	+46			0/36
RAB 3	RAB Corridor to Relay Room/261	+35	0/1(3)		4/0
	RAB HVAC Switchgear Equip. Room/323	+46			0/10
RAB 3A	RAB Battery Exhaust Fan Room/406	+69			0/2
RAB 4	Cable Vault/260	+35			0/27
RAB 5	Electrical Penetration Area "A"/263	+35			0/13
RAB 6	Electrical Penetration Area "B"/263A	+35			0/14
RAB 7	Relay Room/262	+35	(3)		12/0
	Isolation Panels (9 Compartments - 2 per comp.)	+35			2/0
RAB 8A	High Voltage Switchgear Room "A"/212A	+21	0/1(1)		18/0
RAB 8B	Electrical Equip. Room/225B and High Voltage Switchgear Room "B"/212	+21	0/1(2)		28/0
	480V Switchgear 3A32 Room	+21	(2)		2/0
RAB 8C	High Voltage Switchgear Room "A-B"/212B	+21	(1)		8/0
RAB 8E	CEA M/G Set Room/216	+21			2/0
RAB 9	Remote Shutdown Panel Room/217	+21			1/0
RAB 11	Battery Room "B"/213	+21			2/0
RAB 12	Battery Room "AB"/214A	+21			2/0
RAB 13	Battery Room "A"/214	+21			2/0
RAB 15	Emergency Diesel Gen. "B" Room/222	+21	0/1		
RAB 15A	Emergency Diesel Gen. "B" Feed TK Room/328A	+46	0/1		
RAB 16	Emergency Diesel Gen. "A" Room/221	+21	0/1		
RAB 16A	Emergency Diesel Gen. "A" Feed Tk. Room 328A	+46	0/1		
RAB 17	CCW Heat Exchanger "B"/236	+21			0/4
RAB 18	CCW Heat Exchanger "A"/220	+21			0/4
RAB 19	CCW Pump "A"/235	+21			2/0
RAB 20	CCW Pump "AB"/234	+21			0/2
RAB 21	CCW Pump "B"/233	+21			1/0
RAB 23	Corridor to CCW Pumps/218, Corridor to CCW Heat Exchangers/219 and Corridor to Emergency Diesel Gen./225A	+21			0/39

(1)Common Resistor Wire
(2)Common Resistor Wire
(3)Common Resistor Wire

TABLE 3.3-11 (Continued)
FIRE DETECTION INSTRUMENTS

<u>ZONE</u>	<u>ROOM NAME/NUMBER</u>	<u>ELEVATION</u> <u>(ft)</u>	<u>TOTAL NUMBER OF INSTRUMENTS*</u>		
			<u>HEAT</u> <u>(x/y)</u>	<u>FLAME</u> <u>(x/y)</u>	<u>SMOKE</u> <u>(x/y)</u>
1. REACTOR AUXILIARY BUILDING (Continued)					
RAB 25	Equip. Access Area/226 (wing area)	+21			15/0
RAB 27A	H&V Room/124	+ 7			0/6
RAB 27B	Electrical Area and Health Physics Offices/122	+ 7			0/35
RAB 27C	I&C Room/120	+ 7			0/6
RAB 27D	Communications Equip. Room/123	+ 7			1/0
RAB 31	Corridors and Passageways	- 4			0/24
	Corridors on eastside	- 4			0/21
RAB 32	Wing Area westside - Auxiliary Com- ponent Cooling Water Pump "A"/B53 & and Pipe Penetration Area/B100	-35 & - 4			32/0
	Wing Area Center/B53 and B100	-35 & - 4			28/0
	Wing Area eastside-Component Cooling Water Pump "B"/B53 and Pipe Penetration Area/B100	-35 - 4			31/0
RAB 33	S/D Cooling Heat Exchangers A&B/B20 & B48	-35			0/18
RAB 34	Valve Operating Enclosure Bay Room "A"/B54	-15.5			2/0
	Valve Operating Enclosure Bay Room "B" B55A	-15.5			4/0
RAB 35	Safety Injection Pump Room B/B16	-35			10/0
RAB 36	Safety Injection Pump Room A/B15	-35			10/0
RAB 37	Motor-Driven Emergency Feedpump "A"/B49A	-35			0/1
RAB 38	Motor-Driven Emergency Feedpump "B"/B49B	-35			1/0
RAB 39	General Equipment Area/B5, 12, 13, & 49	-35			0/10
	Corridors & General Equip. Areas/B5, 1, 2, 3, 4, 39, 40, 41, 42, 44 & 46	-35			0/28
	East Corridor & General Equip. Areas/ B17, 23 & 25	-35			0/15
	BA Make-up Tank "A"/B38	-35			4/0
	BA Make-up Tank "B"/B53A	-35			4/0
RAB 40	Diesel Storage Tank "A"/B50	-35			3/0
RAB 41	Diesel Storage Tank "B"/B52	-35			3/0

TABLE 3.6-2 (Continued)
CONTAINMENT ISOLATION VALVES**

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>
6.	Manual/Remote Manual (Continued)		
48	2HV-B190A (CAR202A)*	CARS Exhaust	N.A.
51	2FS-V145A/B (FS405)*	Refueling Cavity Purification Inlet	N.A.
51	2FS-V144A/B (FS406)*	Refueling Cavity Purification Inlet	N.A.
53	2CA-V600 (CVR 301A)*	Instrument H&V	N.A.
55	2SI-V1550A1 (SI 225A)*	SIS from HPSI Loop 1A	N.A.
55	2SI-V1545B1 (SI 225B)*	SIS from HPSI Loop 1A	N.A.
56	2SI-V1546A2 (SI 226A)*	SIS from HPSI Loop 1B	N.A.
56	2SI-V1540B2 (SI 226B)*	SIS from HPSI Loop 1B	N.A.
57	2SI-V1542A3 (SI 227A)*	SIS from HPSI Loop 2A	N.A.
57	2SI-V1547B3 (SI 227B)*	SIS from HPSI Loop 2A	N.A.
58	2SI-V1548A4 (SI 228A)*	SIS from HPSI Loop 2B	N.A.
58	2SI-V1544B4 (SI 228B)*	SIS from HPSI Loop 2B	N.A.
59	2SI-V1570 (SI344)*	SIT Drain to RWSP	N.A.
62	2FS-V165A/B (FS416)	Refueling Cavity Drain	N.A.

TABLE 3.6-2 (Continued)

CONTAINMENT ISOLATION VALVES**

<u>PENETRATION NUMBER</u>	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (Seconds)</u>
6.	Manual/Remote Manual (Continued)		
62	2FS-V164A/B (FS415)	Refueling Cavity Drain	N.A.
63	2SA-V114 (LRT109)	ILRT Connection	N.A.
63	2SA-V604 (LRT110)	ILRT Connection	N.A.
65	2SA-V609 (LRT202)	ILRT Test Connection	N.A.
65	2SA-V611 (LRT204)	ILRT Test Connection	N.A.
65	2SA-V610 (LRT201)	ILRT Test Connection	N.A.
65	2SA-V612 (LRT203)	ILRT Test Connection	N.A.
65	2SA-V620 (LRT2011)	ILRT Test Connection	N.A.
65	2SA-V621 (LRT 2031)	ILRT Test Connection	N.A.
65	2CA-V601 (CVR 301B)*	Instrument H&V	N.A.
69	2SI-V1556 (SI 506A)*	SI Hot Leg Injection	N.A.
70	2SI-V1559 (SI 506B)*	SI Hot Leg Injection	N.A.
71	2DW-V642 (CMU244)*	Demineralized Water	N.A.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 3 TO FACILITY OPERATING LICENSE NO. NPF-38
LOUISIANA POWER AND LIGHT COMPANY
WATERFORD STEAM ELECTRIC STATION, UNIT 3
DOCKET NO. 50-382

1.0 INTRODUCTION

By letter dated June 6, 1985, Louisiana Power and Light Company (licensee), requested changes to the Technical Specifications (Appendix A to Facility Operating Licensee NPF-38) for the Waterford Steam Electric Station, Unit 3. The proposed changes would revise (1) Technical Specification 3.3.3.8 by adding four smoke detectors in the RAB and (2) Technical Specification 3.6.3 by correcting the identifying numbers of three containment isolation valves.

2.0 DISCUSSION

Technical Specification 3.3.3.8 addresses the operability requirements for fire detection instrumentation provided to ensure adequate warning and prompt fire detection. Table 3.3-11 lists the instrumentation necessary to ensure this function. Of that list, Function B instruments provide actuation of fire suppression systems as well as early warning and notification. The proposed change will revise the number of Function B smoke detectors in the Reactor Auxiliary Building Zone 27C of Technical Specification Table 3.3-11. The number of detectors will be increased from 2 to 6 as the result of recent station modifications.

Table 3.6.-2 lists those containment isolation valves required operable by Technical Specification 3.6.3. In listing the valves, two unique valve numbers are supplied for each. The first number is the unique identifier assigned by the Architect-Engineer while the second number in parentheses is the unique identifier assigned by LP&L.

The proposed change involves correcting typographical errors in the three LP&L identifiers for manual/remote manual valves in Table 3.6-2. These changes are:

<u>Penetration Number</u>	<u>Existing Valve Number</u>	<u>Proposed Change</u>
53	2CA-V600 (CVR 301B)	2CA-V600 (CVR 301A)
63	2SA-V114 (LRT 101)	2SA-V114 (LRT 109)
63	2SA-V604 (LRT 102)	2SA-V604 (LRT 110)

3.0 EVALUATION

In order to implement the results of the Fire Protection Program's fire hazards analysis for fire zone RAB 27C it is necessary to increase the Function B detection, which constitutes an additional control not presently included in the Technical Specifications. Because this change provides for a more reliable Fire Protection System by including additional smoke detectors, the staff finds it acceptable.

The purpose of the proposed change to Table 3.6.2 is to correct the identifying numbers for three containment isolation valves. Because this change is purely administrative and brings the Technical Specifications into conformance with other plant documents, the staff finds it acceptable.

4.0 CONTACT WITH STATE OFFICIAL

The NRC staff has advised the Administrator, Nuclear Energy Division, Department of Environmental Quality, State of Louisiana of the proposed determination of no significant hazards consideration. No comments were received.

5.0 ENVIRONMENTAL CONSIDERATION

This amendment involves changes in the installation or use of facility components located within the restricted area. The staff has determined that the amendment involves no significant increase in the amounts of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupation radiation exposure. The Commission has previously issued proposed findings that the amendment involves no significant hazards consideration, and there has been no public comment on such findings. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

6.0 CONCLUSION

Based upon our evaluation of the proposed changes to the Waterford 3 Technical Specifications, we have concluded that: there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public. We, therefore, conclude that the proposed changes are acceptable, and are hereby incorporated into the Waterford 3 Technical Specification.

Dated: **JAN 27 1986**

JAN 27 1986

ISSUANCE OF AMENDMENT NO. 2 TO FACILITY OPERATING
LICENSE NP. NPF-38 FOR WATERFORD 3

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