



**LOUISIANA**  
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November 27, 1984

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3-A1.01.04  
A4.05

Mr. Edson G. Case  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUBJECT: Waterford Steam Electric Station - Unit Number 3  
Docket No. 50-382  
"In Furtherance" Certificate for Pollution Control Facilities

Dear Mr. Case:

In June of this year, at the request of Louisiana Power & Light Company (LP&L), your office issued a Certification of Pollution Control Facilities for certain facilities at Waterford Steam Electric Station - Unit Number 3. This certificate was necessary for the issuance of Industrial Development Bonds for these facilities. LP&L is requesting execution of a similar certificate for additional facilities (described in Exhibit A to the Certificate) which were not included in the first offering. This Certificate and Facilities Description are attached for NRC review and execution.

Your efforts and those of your staff are greatly appreciated in this matter. It is hoped that this certificate could be completed and returned by December 17, 1984. If this is not possible, or if you have any questions regarding this matter, please contact Ms. Chadi D. Groome of our Nuclear Licensing Office at (504) 595-2846.

Very truly yours,

K. W. Cook  
Nuclear Support & Licensing Manager

KWC/CDG/ch  
Attachment

cc: R.S. Leddick, J.H. Erwin, F.J. Drummond, Project Files, Admin. Support,  
Licensing Library, J. Wilson

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CERTIFICATE

UNIT 3 (NUCLEAR) WATERFORD STEAM ELECTRIC GENERATING STATION

POLLUTION CONTROL FACILITIES

The Nuclear Regulatory Commission (the NRC) hereby certifies as follows:

(a) that it has examined Exhibit A attached hereto which is entitled "General Description of the Facilities" and which describes certain facilities which have been constructed, are under construction or are to be constructed at the Unit 3 (Nuclear) Waterford Steam Electric Generating Station, a nuclear electric power generating plant located in St. Charles Parish at Taft, Louisiana, which plant is owned by Louisiana Power & Light Company; and

(b) that such facilities, as designed, are in furtherance of the purpose of abating or controlling atmosphere pollutants or contaminants or water pollutants resulting from the generation of electricity at the Unit 3 (Nuclear) Waterford Steam Electric Generating Station.

For the Nuclear Regulatory Commission

Edson G. Case, Deputy Director  
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland  
this \_\_\_\_\_ day of \_\_\_\_\_, 1984

## EXHIBIT "A"

### GENERAL DESCRIPTION OF THE FACILITIES

#### SPENT FUEL HANDLING FACILITIES

The spent fuel handling system and building in which the system is located provides for long-term storage of spent fuel which has been removed from the reactor. This facility is designed for storage of spent fuel from twelve years of full power operation, plus additional space for an entire core offload, and for removal and shipment of spent fuel offsite when disposal sites become available. The major components of this facility include the spent fuel pool, storage racks and liner; leak detection system; purification loop (pump, ion exchanger, filter, strainers and surface skimmer); cooling loop (2 pumps, 2 heat exchangers); spent fuel handling machine; cask handling crane; railroad bay; associated piping, electrical, instrumentation, monitors; and substantially all of the Fuel Handling Building (a four story steel reinforced concrete building designed as a Seismic Category I structure).

#### DEMINERALIZED WATER WASTE TREATMENT SYSTEM

This system consists of a portion of the Demineralized Water System which is used for cleanup of the resin regeneration wastes, and includes an acid storage tank, a caustic storage tank, a hot water tank, mixing tee assemblies, and associated pumps, piping, wiring and instrumentation.

#### ADDITION TO THE LIQUID RADIOACTIVE WASTE TREATMENT SYSTEM

Additional storage capacity is required for the Low Level Liquid Waste Subsystem. This facility includes a 40,000 gallon stainless steel tank enclosed with concrete walls, a concrete pipe chase, and associated pumps, piping, instrumentation, electrical and HVAC service.

#### RADIOACTIVE WASTE ENCLOSURE

The southwest quadrant of the Reactor Auxiliary Building which houses solid, liquid and gaseous radioactive treatment facilities. This radioactive waste enclosure contains a concentration of radioactive waste treatment equipment from the Boron Management, Liquid Waste Management and Solid Waste Systems.

#### ADDITIONAL RADIOACTIVE WASTE TREATMENT FACILITIES

Equipment foundations, special grouting and surface treatments and shield walls located in the Reactor Auxiliary Building which are functionally related and subordinate to qualified facilities (Gaseous Waste Management and Liquid Radioactive Waste Treatment Systems) included in the previous offering, but which were not financed in that offering have been identified and included in this phase of the Project.