

Docket Nos. 50-313
and 50-368

Mr. John M. Griffin
Senior Vice President
Energy Supply
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Distribution: Docket File
NRC & L PDRs Branch 3 Files
OELD HThompson
ORB#4 Files RIngram
PKreutzer GVising
RLee EJordan
JPartlow BGrimes
ACRS 10

Dear Mr. Griffin:

SUBJECT: CERTIFICATION OF POLLUTION CONTROL FACILITIES FOR
ARKANSAS NUCLEAR ONE - UNITS 1 & 2

By letter dated July 31, 1985, Arkansas Power & Light Company (AP&L) requested that our office issue a Certification of Pollution Control Facilities for certain facilities at Arkansas Nuclear One, Units No. 1 & 2 (ANO-1&2) described in Exhibit A to the enclosed Certificate.

The NRC staff has reviewed the request of July 31, 1985. Based on that review, we are satisfied that the portions of ANO-1&2 for which AP&L has requested certification are in furtherance of the purpose of abating or controlling atmospheric pollutants or contaminants or water pollutants resulting from the generation of electricity at ANO-1&2. Accordingly, the enclosed certificate has been executed.

A copy of your request and this response will be available for inspection at the local public document room located at the Tomlinson Library, Arkansas Tech University, Russellville, Arkansas 72801, and at the Commission's Public Document Room at 1717 H Street, N.W., Washington, D.C. 20555.

Sincerely,

Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Enclosure:
Certificate

8509260178 850918
PDR ADOCK 05000313
P PDR

cc w/enclosure:
See next page

ORB#3:DL	ORB#3:DL	ORB#3:DL	ORB#3:DL	ORB#4:DL	EHEB/DE	ADTOR:DL
PKreutzer	RLee;ef	EButcher	GVising	JStolz		GGrainas
8/13/85	8/13/85	8/13/85	8/13/85	8/13/85	8/13/85	9/14/85
D:DL	DD:NRR	D:NRR	OELD			
HThompson	DEisenhut	HDenton	9/4/85			
9/14/85	1/85	1/85				

OK except for
star 11. H. 9/6/85

Discussion with S. Black on 9/13/85 indicates that this package does not require a concurrence from H. Thompson as his comment was incorporated. S. Black discussed this matter with H. Thompson on 9/13/85.

Bob Lee

September 18, 1985

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and 50-368

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Senior Vice President
Energy Supply
Arkansas Power & Light Company
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Little Rock, Arkansas 72203

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Dear Mr. Griffin:

SUBJECT: CERTIFICATION OF POLLUTION CONTROL FACILITIES FOR
ARKANSAS NUCLEAR ONE - UNITS 1 & 2

By letter dated July 31 and September 12, 1985, Arkansas Power & Light Company (AP&L) requested that our office issue a Certification of Pollution Control Facilities for certain facilities at Arkansas Nuclear One, Units No. 1 & 2 (ANO-1&2) described in Exhibit A to the enclosed Certificate.

The NRC staff has reviewed the request of July 31, 1985. Based on that review, we are satisfied that the portions of ANO-1&2 for which AP&L has requested certification are in furtherance of the purpose of abating or controlling atmospheric pollutants or contaminants or water pollutants resulting from the generation of electricity at ANO-1&2. Accordingly, the enclosed certificate has been executed.

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Harold R. Denton, Director
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Enclosure:
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See next page

ORB#3:DL*	ORB#3:DL*	ORB#3:DL*	ORB#4:DL*	ORB#4:DL*	EHEB/DE*	AD:OR:DL*
PKreutzer	RLee;ef	EButcher	GVissing	JStolz		GLainas
8/30/85	8/30/85	8/30/85	8/30/85	8/30/85	8/30/85	9/4/85
OELD*	D:DL*	DD NRR	D: NRR			
EJaki	HThompson	DEisenhut	H Denton			
9/4/85	9/4/85	9/18/85	9/18/85			

old still deleted HT

*See previous white for concurrences

Mr. John M. Griffin
Arkansas Power & Light Company

Arkansas Nuclear One
Unit Nos. 1 & 2

cc:
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Arkansas Nuclear One
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Honorable Ermil Grant
Acting County Judge of Pope County
Pope County Courthouse
Russellville, Arkansas 72801

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Bethesda, Maryland 20814



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

CERTIFICATE

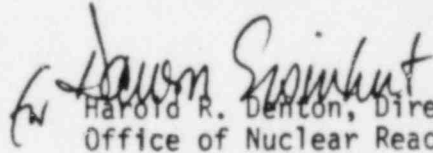
POLLUTION CONTROL FACILITIES
ARKANSAS NUCLEAR ONE - UNITS 1 & 2

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

(a) that it has examined Exhibit A, attached hereto, which is entitled "Description of Facilities" and which describes certain facilities which have been constructed, are under construction, or are to be constructed at Arkansas Nuclear One - Units 1 & 2, a nuclear electric power generating plant located in Pope County, Arkansas, which plant is owned by Arkansas Power & Light Company (the "Plant"); and

(b) that such facilities, as designed, are in furtherance of the purpose of abating or controlling atmospheric pollutants or contaminants or water pollutants resulting from the generation of electricity at the Plant.

FOR THE NUCLEAR REGULATORY COMMISSION


Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland
this 18th day of September, 1985

EXHIBIT A

DESCRIPTION OF FACILITIES

1. Liquid Radwaste Systems (Units 1 and 2). The liquid radwaste systems collect, store, process, treat, and dispose of low level radioactive liquid wastes resulting from normal operation. Both Units 1 and 2 have a liquid radwaste system. The liquid radwaste system for Unit 1 includes the following subsystems: clean liquid radwaste and dirty liquid radwaste. The liquid radwaste system for Unit 2 includes the following subsystems: boron management, waste management, and regenerative waste processing. Major components of each liquid radwaste system include tanks, demineralizers, filters, and evaporators. These systems also include related radiation protection and monitoring equipment.

2. Steam Generator Blowdown System (Unit 2). The steam generator blowdown system collects, stores, processes, recycles, treats and disposes of steam generator blowdown during normal operation. Only Unit 2 has a steam generator blowdown system. Major components of the steam generator blowdown system include tanks and demineralizers.

3. Gaseous Radwaste Systems (Units 1 and 2). The gaseous radwaste systems collect, store, process, treat and discharge low level radioactive gaseous waste resulting from normal operation. Both Units 1 and 2 have a gaseous radwaste system. The gaseous waste is collected from the reactor coolant system components, and is compressed and stored in tanks to allow decay. Major components of each gaseous radwaste system include tanks, compressors and filters. These systems also include related radiation protection and monitoring equipment.

4. Filtered Building Exhaust Systems (Units 1 and 2). The filtered building exhaust systems collect, filter and discharge exhaust air from the Auxiliary Building and Reactor Containment Building. Both Units 1 and 2 have a filtered building exhaust system. Each filtered building exhaust system includes the following subsystems: Reactor Containment Building purge exhaust system, Auxiliary Building exhaust system, and fuel handling area exhaust system. Major components of each filtered building exhaust system include filters, ducts, and fans.

5. Solid Radwaste Systems (Units 1 and 2). The solid radwaste systems collect, store, process and prepare low level radioactive solid waste for offsite disposal. Solid radioactive wastes include the following: spent resin, evaporator concentrates, sludge, filter cartridges, and dry active waste. Both Units 1 and 2 have a solid radwaste system. Major components of each solid radwaste system include tanks, compactors, waste transfer vehicles, decontamination equipment, spent resin processing facilities and solid waste storage facilities. These systems also include related radiation protection and monitoring equipment.

6. Spent Fuel Storage Facilities (Units 1 and 2). The spent fuel storage facilities store and handle spent nuclear fuel assemblies. Both Units 1 and 2 have a spent fuel storage facility. Major components of each facility include a spent fuel pool, cask loading pit, cooling system, fuel handling crane, and spent fuel cask crane.

7. Sanitary Waste System. The sanitary waste system collects, stores, and processes sanitary waste. Major components of the sanitary waste system include sanitary drains, sumps, piping, and a septic tank.

8. Oily and Chemical Waste Systems. The oily and chemical waste systems collect, store, process and discharge wastes containing waste oil and chemicals. Major components of these systems include tanks, drains, sumps, waste ponds, curbs, and treatment equipment.

9. Circulating Water System (Unit 2). The circulating water system for Unit 2 dissipates waste heat to the atmosphere. The system is a closed loop system installed in lieu of an open loop river-to-river cooling pumps and piping (used on Unit 1). Major components of the circulating water system include a cooling tower, circulating water pumps and piping, and chemical treatment system.

10. Radwaste Storage Buildings. There are two Radwaste Storage Buildings, one existing and one under construction, which provide for onsite storage of solid radwaste prior to offsite disposal. The existing Radwaste Storage Building is a prefabricated metal building, and the Radwaste Storage Building under construction is a reinforced concrete structure.

11. Portions of Auxiliary Buildings (Units 1 and 2). Both Units 1 and 2 have an Auxiliary Building. The portions of the buildings being included are those which are provided for the spent fuel storage facilities, the gaseous, liquid and solid radwaste facilities and the filtered building exhaust systems. Each Auxiliary Building is a reinforced concrete structure located adjacent to the Reactor Containment Building