

DCS MS-016

JUN 14 1984

Docket Nos. 50-313
and 50-368

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

DISTRIBUTION:

✓ Docket File
NRC PDR
L PDR
NSIC
ORB#3 Rdg
DEisenhut
ORAB
SECY
Gray File
GVissing
ORB#4 Rdg
JStolz

OELD, Cyr
EJordan
TBarnhart-4
ACRS-10
OPA, CMiles
JTaylor
RDiggs
PMKreutzer-3
RSLee
RIngram
ORB#4 Gray File

Dear Mr. Griffin:

SUBJECT: ORDER CONFIRMING LICENSEE COMMITMENTS ON EMERGENCY RESPONSE
CAPABILITY SCHEDULES (GENERIC LETTER 82-33)

ARKANSAS NUCLEAR ONE, UNIT NOS. 1 AND 2

The Commission has issued the enclosed Orders confirming your commitments on emergency response capability. These Orders are based on your letter dated April 15, 1983, committing to the actions specified in the Orders.

Copies of these Orders are being filed with the Office of the Federal Register for publication.

Sincerely,

Original signed by

George Rivenbark

for John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Original Signed by J. R. Miller

James R. Miller, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosures:
Orders

cc w/enclosures:
See next page

*See previous page for concurrences.

8406280362 840614
PDR ADDOCK 05000313
F PDR

AD:OR:DL*
GCLainas
8/15/83

OELD*
8/18/83

D:DA
DEisenhut
8/12/83

OFFICE	ORB#3:DL*	ORB#3:DL*	ORB#4:DL*	ORB#4:DL*	ORB#5:DL	ORB#3:DL*	ORB#4:DL*
SURNAME	PMKreutzer	RSLee/pn	RIngram	GVissing	DCrutchfield	RAClark	JStolz
DATE	7/25/83	7/25/83	7/27/83	7/29/83	8/12/83	8/15/83	8/15/83

Mr. John M. Griffin

- 2 -

Copies of these Orders are being filed with the Office of the Federal Register for publication.

Sincerely,

John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Enclosures:
Orders

cc w/enclosures:
See next page

AD:OR:DL
GCLainas
8/15/83

no legal
OELD *dis*
Lieberman
L. Cuab
8/16/83

D:DL
DGEisenhut
7/ /83

OFFICE▶	ORB#3:DL	ORB#3:DL	ORB#4:DL	ORB#4:DL	ORB#5:DL	ORB#3:Db	ORB#4:DL
SURNAME▶	RMKreutzer	RLee/pn	RIgram	AKissing	DCuttsfield	RAClark	JSolz
DATE▶	7/25/83	7/25/83	7/27/83	7/29/83	8/12/83	8/15/83	8/15/83



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

DISTRIBUTION:
Docket File
ORB#3 Rdg
PMKreutzer

JUN 14 1984

DOCKET No. 50-313

MEMORANDUM FOR: Docketing and Service Branch
Office of the Secretary of the Commission

FROM: Office of Nuclear Reactor Regulation

SUBJECT: ARKANSAS POWER AND LIGHT COMPANY, Arkansas Nuclear One, Unit 1

One signed original of the *Federal Register* Notice identified below is enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (6) of the Notice are enclosed for your use.

- ☐ Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- ☐ Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- ☐ Notice of Consideration of Issuance of Amendment to Facility Operating License.
- ☐ Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- ☐ Notice of Availability of NRC Draft/Final Environmental Statement.
- ☐ Notice of Limited Work Authorization.
- ☐ Notice of Availability of Safety Evaluation Report.
- ☐ Notice of Issuance of Construction Permit(s).
- ☐ Notice of Issuance of Facility Operating License(s) or Amendment(s).
- ☒ Order.
- ☐ Exemption.
- ☐ Notice of Granting of Relief.
- ☐ Other: _____

Division of Licensing, ORB#3
Office of Nuclear Reactor Regulation

Enclosure:
As stated

OFFICE	▶ ORB#3:DL						
SURNAME	▶ PMKreutzer/pn						
DATE	▶ 6/14/84						

OFFICIAL RECORD COPY



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

DISTRIBUTION:
Docket File
ORB#3 Rdg
PMKreutzer

JUN 14 1984

DOCKET No. 50-368

MEMORANDUM FOR: Docketing and Service Branch
Office of the Secretary of the Commission

FROM: Office of Nuclear Reactor Regulation

SUBJECT: ARKANSAS POWER & LIGHT COMPANY, Arkansas Nuclear One, Unit 2

One signed original of the *Federal Register* Notice identified below is enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (6) of the Notice are enclosed for your use.

- ☐ Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- ☐ Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- ☐ Notice of Consideration of Issuance of Amendment to Facility Operating License.
- ☐ Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- ☐ Notice of Availability of NRC Draft/Final Environmental Statement.
- ☐ Notice of Limited Work Authorization.
- ☐ Notice of Availability of Safety Evaluation Report.
- ☐ Notice of Issuance of Construction Permit(s).
- ☐ Notice of Issuance of Facility Operating License(s) or Amendment(s).
- ☒ Order.
- ☐ Exemption.
- ☐ Notice of Granting of Relief.
- ☐ Other: _____

Division of Licensing, ORB#3
Office of Nuclear Reactor Regulation

Enclosure:
As stated

OFFICE	ORB#3: DV					
SURNAME	PMKreutzer/pn					
DATE	6/14/84					

OFFICIAL RECORD COPY

Arkansas Power & Light Company

cc:

Mr. John Marshall
Manager, Licensing
Arkansas Power & Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Mr. James M. Levine
General Manager
Arkansas Nuclear One
P. O. Box 608
Russellville, Arkansas 72801

Mr. Robert B. Borsum
Babcock & Wilcox
Nuclear Power Generation Division
Suite 220
7910 Woodmont Avenue
Bethesda, Maryland 20814

Nicholas S. Reynolds, Esq.
c/o DeBevoise & Liberman
1200 Seventeenth Street, N.W.
Washington, D. C. 20036

Mr. Charles B. Brinkman
Manager - Washington Nuclear
Operations
C-E Power Systems
7910 Woodmont Avenue
Bethesda, Maryland 20814

Regional Administrator (2)
Nuclear Regulatory Commission, Region IV
Office of Executive Director for Operations
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Mr. J. Callan
U.S. NRC
P. O. Box 2090
Russellville, Arkansas 72801

U.S. Environmental Protection Agency
Region VI Office
ATTN: Regional Radiation
Representative
1201 Elm Street
Dallas, Texas 75270

Mr. Frank Wilson
Director, Division of Environmental
Health Protection
Arkansas Department of Health
4815 West Markman Street
Little Rock, Arkansas 72201

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

ARKANSAS POWER AND LIGHT COMPANY

(Arkansas Nuclear One, Unit 1)

}
}
}
}
}
}
}
Docket No. 50-313

ORDER CONFIRMING LICENSEE COMMITMENTS
ON EMERGENCY RESPONSE CAPABILITY

I.

Arkansas Power and Light Company (AP&L or the licensee) is the holder of Facility Operating License No. DPR-51 which authorizes the operation of the Arkansas Nuclear One, Unit 1 (the facility) at steady-state power levels not in excess of 2568 megawatts thermal. The facility is a pressurized water reactor (PWR) located at the licensee's site in Pope County, Arkansas.

II.

Following the accident at Three Mile Island Unit No. 2 (TMI-2) on March 28, 1979, the Nuclear Regulatory Commission (NRC) staff developed a number of proposed requirements to be implemented on operating reactors and on plants under construction. These requirements include Operational Safety, Siting and Design, and Emergency Preparedness and are intended to provide substantial additional protection in the operation of nuclear facilities and significant upgrading of emergency response capability based on the experience from the accident at TMI-2 and the official studies and investigations of the

accident. The requirements are set forth in NUREG-0737, "Clarification of TMI Action Plan Requirements," and in Supplement 1 to NUREG-0737, "Requirements for Emergency Response Capability." Among these requirements are a number of items consisting of emergency response facility operability, emergency procedure implementation, addition of instrumentation, possible control room design modifications, and specific information to be submitted.

On December 17, 1982, a letter (Generic Letter 82-33) was sent to all licensees of operating reactors, applicants for operating licenses, and holders of construction permits enclosing Supplement 1 to NUREG-0737. In this letter, operating reactor licensees and holders of construction permits were requested to furnish the following information, pursuant to 10 CFR 50.54(f), no later than April 15, 1983:

- (1) A proposed schedule for completing each of the basic requirements for the items identified in Supplement 1 to NUREG-0737, and
- (2) A description of plans for phased implementation and integration of emergency response activities including training.

III.

AP&L responded to Generic Letter 82-33 by letter dated April 15, 1983. In this submittal, AP&L made commitments to complete the basic requirements. The attached Table summarizing AP&L's schedular commitments or status was developed by the NRC staff from the Generic Letter and the information provided by AP&L.

AP&L's commitments include (1) dates for providing required submittals to the NRC, (2) dates for providing schedules for providing required submittals to the NRC, (3) dates for implementing certain requirements, and (4) a schedule for providing implementation dates for other requirements. These latter implementation dates will be reviewed, negotiated and confirmed by a subsequent order.

The NRC staff reviewed AP&L's April 15, 1983 letter and entered into discussions with the licensee regarding schedules for meeting the requirements of Supplement 1 to NUREG-0737. As a result of these discussions, the NRC staff finds that the dates are reasonable, achievable dates for meeting the NRC requirements. The NRC staff concludes that the schedule proposed by the licensee will provide timely upgrading of the licensee's emergency response capability.

In view of the foregoing, I have determined that the implementation of AP&L's commitments is required in the interest of the public health and safety and should, therefore, be confirmed by an immediately effective Order.

IV.

Accordingly, pursuant to Sections 103, 161i, 161o and 182 of the Atomic Energy Act of 1954, as amended, and the Commission's regulations in 10 CFR Parts 2 and 50, IT IS HEREBY ORDERED, EFFECTIVE IMMEDIATELY, THAT the licensee shall:

Implement the specific items described in the Attachment to this ORDER in the manner described in AP&L's submittal noted in Section III herein no later than the dates in the Attachment.

Extensions of time for completing these items may be granted by the Director, Division of Licensing, for good cause shown.

V.

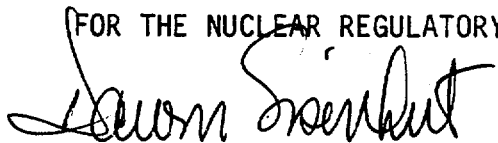
The licensee may request a hearing on this Order within 20 days of the date of publication of this Order in the Federal Register. Any request for a hearing should be addressed to the Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. A copy should also be sent to the Executive Legal Director at the same address. A REQUEST FOR HEARING SHALL NOT STAY THE IMMEDIATE EFFECTIVENESS OF THIS ORDER.

If a hearing is to be held, the Commission will issue an Order designating the time and place of any such hearing.

If a hearing is held concerning this Order, the issue to be considered at the hearing shall be whether the licensee should comply with the requirements set forth in Section IV of this Order.

This Order is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland,
this 14th day of June, 1984.

Attachment:
Licensee's Commitments on
Requirements Specified in
Supplement 1 to NUREG-0737

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEE'S COMPLETION SCHEDULE (OR STATUS)
1. Safety Parameter Display System (SPDS)	1a. Submit a safety analysis and an implementation plan to the NRC.	June 29, 1984 (1)
	1b. SPDS fully operational and operators trained.	Complete (2)
2. Detailed Control Room Design Review (DCRDR)	2a. Submit a program plan to the NRC.	Complete
	2b. Submit a summary report to the NRC including a proposed schedule for implementation.	August 14, 1985
3. Regulatory Guide 1.97 - Application to Emergency Response Facilities	3a. Submit a report to the NRC describing how the requirements of Supplement 1 to NUREG-0737 have been or will be met.	June 29, 1984
	3b. Implement (installation or upgrade) requirements.	The implementation schedule will be provided in the report which will be submitted by June 29, 1984

(1) Will incorporate results of other Supplement 1 initiatives to determine needs for SPDS upgrade.

(2) Operational with existing parameters.

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEE'S COMPLETION SCHEDULE (OR STATUS)
4. Upgrade Emergency Operating Procedures (EOPs)	4a. Submit a Procedures Generation Package to the NRC.	Complete
	4b. Implement the upgraded EOPs.	Complete
5. Emergency Response Facilities	5a. Technical Support Center fully functional.	June 30, 1984 (1)
	5b. Operational Support Center fully functional.	Complete
	5c. Emergency Operations Facility fully functional.	June 30, 1984 (2)

- (1) SPDS within the TSC will be operational with existing parameters.
- (2) The licensee has requested exemption from locating the backup EOF 10 to 20 miles from ANO in favor of using the Russellville Local Office which is 7 miles from ANO. The acceptability of this request will be the subject of a separate licensing action.

Enclosure

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)	
)	
ARKANSAS POWER & LIGHT)	Docket No. 50-368
COMPANY)	
)	
(Arkansas Nuclear One,)	
Unit 2))	

ORDER CONFIRMING LICENSEE COMMITMENTS
ON EMERGENCY RESPONSE CAPABILITY

I.

Arkansas Power & Light Company (the licensee) is the holder of Facility Operating License No. NPF-6 which authorizes the operation of Arkansas Nuclear One, Unit 2 (the facility) at steady-state power levels not in excess of 2815 megawatts thermal. The facility is a pressurized water reactor (PWR) located at the licensee's site in Pope County, Arkansas.

II.

Following the accident at Three Mile Island Unit No. 2 (TMI-2) on March 28, 1979, the Nuclear Regulatory Commission (NRC) staff developed a number of proposed requirements to be implemented on operating reactors and on plants under construction. These requirements include Operational Safety, Siting and Design, and Emergency Preparedness and are intended to provide substantial additional protection in the operation of nuclear facilities and significant upgrading of emergency response capability based on the experience from the accident at TMI-2 and the official studies and investigations of the

accident. The requirements are set forth in NUREG-0737, "Clarification of TMI Action Plan Requirements," and in Supplement 1 to NUREG-0737, "Requirements for Emergency Response Capability." Among these requirements are a number of items consisting of emergency response facility operability, emergency procedure implementation, addition of instrumentation, possible control room design modifications, and specific information to be submitted.

On December 17, 1982, a letter (Generic Letter 82-33) was sent to all licensees of operating reactors, applicants for operating licenses, and holders of construction permits enclosing Supplement 1 to NUREG-0737. In this letter operating reactor licensees and holders of construction permits were requested to furnish the following information, pursuant to 10 CFR 50.54(f), no later than April 15, 1983:

- (1) A proposed schedule for completing each of the basic requirements for the items identified in Supplement 1 to NUREG-0737, and
- (2) A description of plans for phased implementation and integration of emergency response activities including training.

III.

Arkansas Power & Light Company (AP&L) responded to Generic Letter 82-33 by letter dated April 15, 1983. In this submittal, AP&L made commitments to complete the basic requirements. The attached Table summarizing AP&L's schedular commitments or status was developed by the NRC staff from the Generic Letter and the information provided by AP&L.

AP&L's commitments include (1) dates for providing required submittals to the NRC, (2) dates for implementing certain requirements, and (3) a schedule for providing implementation dates for other requirements. These latter implementation dates will be reviewed, negotiated and confirmed by a subsequent order.

The NRC staff reviewed AP&L's April 15, 1983 letter and entered into discussions with the licensee regarding schedules for meeting the requirements of Supplement 1 to NUREG-0737. As a result of these discussions, the NRC staff finds that the proposed dates are reasonable, achievable dates for meeting the Commission requirements. The NRC staff concludes that the schedule proposed by the licensee will provide timely upgrading of the licensee's emergency response capability.

In view of the foregoing, I have determined that the implementation of AP&L's commitments is required in the interest of the public health and safety and should, therefore, be confirmed by an immediately effective Order.

IV.

Accordingly, pursuant to Sections 103, 161i, 161o and 182 of the Atomic Energy Act of 1954, as amended, and the Commission's regulations in 10 CFR Parts 2 and 50, IT IS HEREBY ORDERED, EFFECTIVE IMMEDIATELY, THAT the licensees shall:

Implement the specific items described in the Attachment to this ORDER in the manner described in AP&L's submittals noted in Section III herein no later than the dates in the Attachment.

Extensions of time for completing these items may be granted by the Director, Division of Licensing, for good cause shown.

V.


The licensee may request a hearing on this Order within 20 days of the date of publication of this Order in the Federal Register. Any request for a hearing should be addressed to the Director, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. A copy should also be sent to the Executive Legal Director at the same address. A REQUEST FOR HEARING SHALL NOT STAY THE IMMEDIATE EFFECTIVENESS OF THIS ORDER.

If a hearing is to be held, the Commission will issue an Order designating the time and place of any such hearing.

If a hearing is held concerning this Order, the issue to be considered at the hearing shall be whether the licensee should comply with the requirements set forth in Section IV of this Order.

This Order is effective upon issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Dated at Bethesda, Maryland,
this 14th day of June, 1984.

Attachment:
Licensee's Commitments on
Requirements Specified in
Supplement 1 to NUREG-0737

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEE'S COMPLETION SCHEDULE (OR STATUS)
1. Safety Parameter Display System (SPDS)	1a. Submit a safety analysis and an implementation plan to the NRC.	April 15, 1984 C
	1b. SPDS fully operational and operators trained.	December 15, 1985
2. Detailed Control Room Design Review (DCRDR)	2a. Submit a program plan to the NRC.	Complete
	2b. Submit a summary report to the NRC including a proposed schedule for implementation.	May 5, 1986
3. Regulatory Guide 1.97 - Application to Emergency Response Facilities	3a. Submit a report to the NRC describing how the requirements of Supplement 1 to NUREG-0737 have been or will be met.	April 15, 1984 C
	3b. Implement (installation or upgrade) requirements.	To be provided with the April 15, 1984 report. C

LICENSEE'S COMMITMENTS ON SUPPLEMENT 1 TO NUREG-0737

TITLE	REQUIREMENT	LICENSEE'S COMPLETION SCHEDULE (OR STATUS)
4. Upgrade Emergency Operating Procedures (EOPs)	4a. Submit a Procedures Generation Package to the NRC.	Three months prior to the fourth refueling outage (estimated to commence on September 15, 1985).
	4b. Implement the upgraded EOPs.	During the fourth refueling outage (estimated to commence on September 1985).
5. Emergency Response Facilities	5a. Technical Support Center fully functional.	June 30, 1984 (1)
	5b. Operational Support Center fully functional.	Complete
	5c. Emergency Operations Facility fully functional.	June 30, 1984 (2)
<p>(1) SPDS within the TSC will be operational with existing parameters.</p> <p>(2) The licensee has requested exemption from locating the backup EOF 10 to 20 miles from ANO in favor of using the Russellville Local Office which is 7 miles from ANO. The acceptability of this request will be the subject of a separate licensing action.</p>		