



ENTERGY

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May 24, 1995

1CAN059503

U. S. Nuclear Regulatory Commission
Document Control Desk
Mail Station P1-137
Washington, DC 20555

Subject: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Licensee Event Report 50-313/95-006-00

Gentlemen:

In accordance with 10CFR50.73(a)(2)(i)(B), enclosed is the subject report concerning station battery surveillance testing.

Very truly yours,

fa 
Dwight C. Mims
Director, Licensing

DCM/kjm

enclosure

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U. S. NRC
May 24, 1995
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cc: Mr. Leonard J. Callan
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Institute of Nuclear Power Operations
700 Galleria Parkway
Atlanta, GA 30339-5957

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

Arkansas Nuclear One - Unit 1

DOCKET NUMBER (2)

05000313

PAGE (3)

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TITLE (4) Daily Station Battery Surveillance Test Not Performed Within the Required Interval Due to a Personnel Error

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
04	23	95	95	006	00	05	24	95	FACILITY NAME	DOCKET NUMBER
OPERATING MODE (9)		N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR: (Check one or more) (11)							
POWER LEVEL (10)		100	20.402(b)			20.405(c)			50.73(a)(2)(iv)	70.71(b)
			20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)	70.71(c)
			20.405(a)(1)(ii)			50.36(c)(2)			50.73(a)(2)(vii)	OTHER
			20.405(a)(1)(iii)		X	50.73(a)(2)(i)			50.73(a)(2)(viii)(A)	Specify in
			20.405(a)(1)(iv)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(B)	Abstract Below
			20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(x)	and in Text

LICENSEE CONTACT FOR THIS LER (12)

NAME

Kimberly J. Miller, Nuclear Safety and Licensing Specialist

TELEPHONE NUMBER (Include Area Code)

501-858-5000

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES		NO		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
(If yes, complete EXPECTED SUBMISSION DATE)		X					

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

At 0630 on April 24, 1995, it was discovered that the Sunday, April 23, 1995, Technical Specification (T.S.) required daily battery surveillance test had not been performed due to a personnel error. This surveillance is unique since it is performed by a technician who is scheduled to work on Sundays and holidays for the sole purpose of performing the surveillance. The technician who was scheduled to perform the surveillance on April 23, 1995, failed to report to work. The failure to perform the surveillance was not identified until Monday on dayshift. The Control Room was notified at 0647 hours of the missed surveillance and the actions required by T.S. 4.0.3 were entered until the operability of the batteries could be verified. The daily battery surveillance test was completed at 0746 on April 24, and T.S. 4.0.3 was exited at that time. Corrective actions included direction to ANO-1 Electrical Maintenance supervision to ensure completion of the daily battery surveillance each normal day off, the addition of a daily surveillance status check by the Operations crew as an additional method of assuring completion, and disciplinary action against the technician who failed to perform the surveillance.

NRC FORM 366A (5-92)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95	
LICENSEE EVENT REPORT (LER) TEXT CONTINUATION				ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.	
FACILITY NAME (1)		DOCKET NUMBER (2)		LER NUMBER (6)	
Arkansas Nuclear One - Unit 1		005000313		YEAR	SEQUENTIAL NUMBER
				95	006
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				PAGE (3)	
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TEXT (If more space is required, use additional copies of NRC Form 366A) (17)

A. Plant Status

At the time that this condition was discovered, Arkansas Nuclear One, Unit One (ANO-1), was operating at 100 percent power. Reactor Coolant System (RCS) [AB] temperature was 579 degrees Fahrenheit and RCS pressure was approximately 2155 psig.

B. Event Description

At 0630 on April 24, 1995, it was discovered by Electrical Maintenance Supervision that the Sunday, April 23, 1995, daily battery surveillance test of the ANO-1 batteries [EJ] required by Technical Specification (T.S.) 3.7.1.E had not been performed. The Control Room was notified at 0647 hours, and the actions required by T.S. 4.0.3 were implemented. The daily battery surveillance test was completed at 0746 on April 24, and T.S. 4.0.3 was exited at that time.

The daily battery surveillance test is a check of the voltage readings for each cell to verify that they are within specifications. Corrective actions are specified when any cell is found to be out of the established range. The surveillance test for Sunday and holidays is unique in that it is the only identified surveillance performed by a technician who is scheduled to report to work for the sole purpose of performing the surveillance. Typically, there are no other Electrical Maintenance technicians or supervisors on site when this surveillance is performed. Because of this, it had become a common practice for the technician to call the Surveillance Test Coordinator's voice mail and leave a message indicating that the surveillance had been completed. This call was for information only; however, it had come to be relied on as the method of tracking completion of the surveillance due to a misunderstanding of the required duties of the coordinator.

An evening-shift technician volunteered on Thursday, April 19, to perform the Sunday daily surveillance. At approximately 1430 on Saturday, April 22, the first line supervisor contacted the technician assigned to do the surveillance and reminded him to perform the surveillance on Sunday. The technician understood that he was required to perform the surveillance; however, due to a lapse of memory, he did not report to work on Sunday. Since there was no requirement for the Surveillance Test Coordinator to check for the "information only" voice mail message on Sunday, the failure to perform the surveillance was not identified until Monday at the beginning of dayshift. The Electrical Maintenance supervisor reviewed the status of all scheduled work on Monday, April 24, and identified the condition at approximately 0630. All battery parameters were within specified values when the daily surveillance was performed on Saturday, April 22, and on Monday, April 24.

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C. Root Cause

The immediate cause of this condition was a personnel error on the part of the technician who failed to remember to report to work on Sunday to perform the required surveillance. The need to complete the surveillance was clearly communicated to the technician, and he indicated that he understood this responsibility on the day before the surveillance was due.

A contributing cause to this event was a reliance on the informal method that had been developed for tracking completion of this unique surveillance. A misunderstanding of the surveillance Coordinator's responsibilities led Electrical Maintenance supervision to believe that the voice mail message was an adequate method to compensate for the unique circumstances under which the daily surveillance was performed on normal days off.

D. Corrective Actions

Corrective Actions Taken Immediately:

- The operability of the station batteries was verified 76 minutes after the missed surveillance was discovered.
- Administrative provisions were implemented that direct Electrical Maintenance supervision for ANO-1 to confirm the status of the daily battery surveillance within the required time frame on scheduled days off.
- Operations Logs have been adjusted to provide an additional method of tracking the completion of the daily battery surveillance test required by the ANO-1 Technical Specifications.
- Disciplinary action was taken against the electrical technician who failed to report to work and perform the surveillance.

Future Corrective Actions:

- The importance of the daily battery surveillance and the consequences of missing a test will be emphasized to the Unit 1 Electrical shop personnel during their training cycle. These discussions will be completed July 1, 1995.

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E. Safety Significance

The two banks of ANO-1 batteries, are designed to provide a source of reliable, continuous power for instrumentation, Reactor Protective System [JC], Engineered Safeguards Actuation System [JE] and other safety-related DC loads during emergency conditions. Both batteries were verified to be operable with parameters within specification on Saturday, April 22, 1995. The daily test was satisfactorily completed 76 minutes after the discovery of the missed surveillance on April 24, 1995, which verified that the batteries were operable. Therefore, the batteries would have been able to perform their safety function for the period of time when the surveillance was not performed. For this reason, this event is judged to be of no safety significance.

F. Basis for Reportability

Failure to complete a surveillance test within the allowable interval represents an operation prohibited by Technical Specifications reportable pursuant to 10CFR50.73(a)(2)(i)(B).

G. Additional Information

This event is considered to be an isolated condition arising from circumstances associated with the unique situation under which the ANO-1 daily battery surveillance is performed on scheduled days off. No other record has been found of a daily battery surveillance being missed at ANO. ANO-2 T.S. battery surveillances are performed weekly during the normal Electrical Maintenance shift rotation.

Energy Industry Identification System (EIIS) codes are identified in the text as [XX].