

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Catawba Nuclear Station, Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 4 1 1 3	PAGE (3) 1 OF 0 1 4
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TITLE (4)  
Failure to Verify Alternate Power Source Availability

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 NAMES	DOCKET NUMBER(S)
0	6	05	85	04	0	0	7	05		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)				
POWER LEVEL (10) 0 1 0 1 0	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)	
	20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)	
	20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
	20.406(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)		
	20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)		
	20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)		

LICENSEE CONTACT FOR THIS LER (12)

NAME Roger W. Ouellette, Associate Engineer - Licensing	TELEPHONE NUMBER 7 0 4 3 7 1 3 1 - 7 1 5 1 3 1 0
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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)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On June 5, 1985, at 0305 hours, the operability of the remaining A.C. power sources were not demonstrated within one hour of declaring Diesel Generator (D/G) 1A inoperable, thus violating Action Statement a of Technical Specification 3.8.1.1. Unit 1 was in Mode 4 (Hot Shutdown) at the time of the incident.

This incident is classified as a Personnel Error. The Unit Supervisor should have ensured the performance of the operability verification of D/G 1B and offsite power sources within one hour of declaring D/G 1A inoperable.

This incident is reportable pursuant to 10 CFR 50.73, Section (a)(2)(i)(B).

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Catawba Nuclear Station, Unit 1	DOCKET NUMBER (2)  0 5   0   0   0   4   1   3 8 5	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		- 0	4 0	- 0 0	0 2	OF 0 4

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Technical Specification 3.8.1.1 requires, as a minimum, that the following AC electrical power sources shall be operable:

- 1) Two physically independent circuits between the offsite transmission network and the Onsite Essential Auxiliary Power System.
- 2) Two separate and independent Diesel Generators (D/G).

This requirement is applicable in Modes 1, 2, 3, and 4. If either an offsite circuit or D/G is inoperable, the operability of the remaining power sources must be demonstrated by performing Surveillance Requirements 4.8.1.1.1a and 4.8.1.1.2a.4 within one hour and at least once per every eight hours thereafter. These Surveillance Requirements are performed per procedure PT/1/A/4350/02C (Available Power Source Operability Check). In the procedure, Surveillance Requirement 4.8.1.1.1a is met by verifying correct operable offsite power source breaker alignment and indicated power availability. Surveillance Requirement 4.8.1.1.2a.4 is met by verifying the operable D/G starts from ambient condition and accelerates to at least 441 RPM in < 11 seconds. Also, the operable D/G voltage and frequency is verified to be at least 4160 +/- 420 volts and 60 +/- 1.2 HZ within 11 seconds after a start signal.

On June 4, 1985, at 1710 hours, Nuclear Equipment Operator (NEO) A began the performance of PT/1/A/4350/02C (Available Power Source Operability Check) so that D/G 1A could be removed from service for prelube oil filter replacement. After NEO A completed the section of the procedure that verified the operability of offsite power sources, he attempted to verify the operability of D/G 1B. However, after beginning that section of PT/1/A/4350/02C, he could not continue with the procedure since the visicorder was found to be out of paper. Unit Supervisor A was notified shortly after 1748 hours. At approximately 1800 hours, Unit Supervisor A requested that Instrumentation and Electrical (IAE) Supervisor A obtain paper for D/G B visicorder. IAE Supervisor A agreed to obtain and install the paper.

Between 1830 and 1910 hours, shift turnover meetings were held. During Operations turnover, Unit Supervisor A informed Unit Supervisor B that they had started PT/1/A/4350/02C when they found D/G 1B visicorder out of paper. Unit Supervisor A also told Unit Supervisor B that IAE would be obtaining and installing the paper. During IAE turnover, IAE Supervisor A informed IAE Supervisor B that Operations needed paper for D/G 1B visicorder.

By approximately 2200 hours, IAE still had not contacted the Unit Supervisor as to the status of the visicorder paper replacement. Unit Supervisor B then contacted IAE Supervisor B. IAE Supervisor B informed him that they had not performed the job due to other priority work in process. However, IAE Supervisor B told Unit Supervisor B that he would have the technician, who normally performs maintenance on the D/G's, to replace the paper.

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FACILITY NAME (1)  Catawba Nuclear Station, Unit 1	DOCKET NUMBER (2)  0 5 0 0 0 4 1 3	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 5	- 0 4 0	- 0 0 0	3	OF 0 4

TEXT (If more space is required, use additional NRC Form 366A's) (17)

When IAE Supervisor B asked the IAE Technician to perform the job, the technician informed him that replacing D/G visicorder paper was not IAE's responsibility. Per Station Directive 3.1.16 (Chart Recorders), IAE is responsible for maintaining visicorder inventories, whereas, Operations is responsible for paper replacement. The IAE Technician believed that Operations got the impression that IAE changed visicorder paper because IAE had done so during initial testing of the D/G's. At approximately 2230 hours, IAE Supervisor B informed Unit Supervisor B of Operations' responsibility to change chart recorder paper.

After Unit Supervisor B obtained the visicorder paper from the warehouse, and NEO B installed the paper, NEO B was instructed to complete PT/1/A/4350/02C. Therefore, between 2235 hours on June 4, 1985, and 0045 hours on June 5, 1985, the section of the periodic test that demonstrates the operability of D/G 1B was performed. D/G 1A was declared inoperable by Unit Supervisor B at 0305 hours after the necessary safety tags were placed.

When the Shift Assistant Operating Engineer arrived that morning at approximately 0700 hours, upon reviewing the Unit Supervisor's Logbook and the Unit 1 Test Logbook, he noticed that Unit Supervisor B did not perform PT/1/A/4350/02C within one hour of declaring D/G 1A inoperable as required by Action Statement a of Technical Specification 3.8.1.1.

This incident is classified as a Personnel Error. The operability of offsite power sources and D/G 1B should have been verified by Unit Supervisor B within one hour of declaring D/G 1A inoperable at 0305 hours on June 5, 1985. Unit Supervisor B overlooked this requirement and, therefore, did not take time into consideration.

Another factor to consider in this incident was that it was not known by some of the Operations and IAE personnel involved which group was responsible for replacing D/G visicorder paper.

CORRECTIVE ACTION

- 1) The incident was discussed with the personnel involved to ensure that Technical Specification 3.8.1.1 will be complied with in the future.
- 2) An Operator Update will be issued to ensure that appropriate personnel are aware of their responsibilities regarding changing of D/G chart recorder paper.

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FACILITY NAME (1)  Catawba Nuclear Station, Unit 1	DOCKET NUMBER (2)  0   5   0   0   0   4   1   3   8   5	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
					0   4	0   4 OF 0   4

TEXT (If more space is required, use additional NRC Form 366A's) (17)

SAFETY ANALYSIS

Although not verified within one hour, offsite power and D/G 1B were verified operable prior to and after D/G 1A was declared inoperable. Therefore, it is apparent that redundant A.C. power sources were available when D/G 1A was inoperable, even though Action Statement a of Technical Specification 3.8.1.1 was not met.

The health and safety of the public were not affected by this incident.

**DUKE POWER COMPANY**  
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HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

TELEPHONE  
(704) 373-4531

July 5, 1985

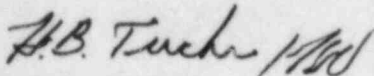
Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Subject: Catawba Nuclear Station, Unit 1  
Docket No. 50-413

Gentlemen:

Pursuant to 10 CFR 50.73 Section (a) (1) and (d), attached is Licensee Event Report 413/85-40 concerning a failure to verify alternate power source availability. This event was considered to be of no significance with respect to the health and safety of the public.

Very truly yours,



Hal B. Tucker

RWO:slb

Attachment

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