

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)

McGuire Nuclear Station, Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 3 6 9 1 OF 0 2

PAGE (3)

TITLE (4)

Diesel generator 1A started due to a Train A blackout

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	3	3	0	8	4	8	4	0	1	2	0	5	0	0	0		
0	3	3	0	8	4	8	4	0	1	2	0	5	0	0	0		

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

OPERATING MODE (9)	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)
6			X	
POWER LEVEL (10)	20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
01010				
	20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vi)	
	20.406(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(vii)(A)	
	20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(vii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	

OTHER (Specify in Abstract below and in Text, NRC Form 366A)

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Phillip B. Nardoci, Licensing Engineer	7 0 4 3 7 3 1 - 7 4 3 2

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

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

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

On March 30, 1984 at 1934, during performance of the "Engineered Safety Features Actuation Periodic Test" Diesel Generator (D/G) 1A experienced an automatic start signal due to a 4160 volt emergency bus# ETA blackout. D/G was operating on standby when Unit 1 Train A essential switchgear (1ETA), normal feeder breaker was mistakenly opened. 1ETA breaker 1A (D/G 1A breaker) closed and loaded, restoring power to Train A emergency equipment.

Unit 1 was in a refueling outage with all fuel removed from the reactor at the time of this occurrence. This event is attributed to Personnel Error, due to normal feeder breaker for 1ETA being mistakenly opened.

The D/G was successfully shutdown at 2056. D/G 1A performed as designed during this incident and would have continued to supply emergency loads as necessary. This report will be covered with appropriate personnel. The health and safety of the public were unaffected.

8405080069 840430
PDR ADOCK 05000369
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
McGuire Nuclear Station, Unit 1	0 5 0 0 0 3 6 9	8 4	— 0 1 2	— 0 0	0 2	OF	0 2

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

On March 30, 1984 at 1934, during performance of the "Engineered Safety Features Actuation Periodic Test" Diesel Generator (D/G) [EIIS:GEN] 1A experienced an automatic start signal due to a 4160 volt emergency bus# ETA [EIIS:EF] blackout. D/G 1A was operating on standby when Unit 1 Train A essential switchgear (1ETA), normal feeder breaker [EIIS:BRK] was mistakenly opened. 1ETA breaker 1A (D/G 1A breaker) closed and loaded, restoring power to Train A emergency equipment.

Unit 1 was in a refueling outage with all fuel removed from the reactor at the time of this occurrence. This event is attributed to Personnel Error, due to normal feeder breaker for 1ETA being mistakenly opened.

The D/Gs ensure that sufficient power will be available to supply the safety-related equipment for the safe shutdown of the facility. The D/Gs also supply power for the mitigation and control of accident conditions within the facility. Therefore, in the event of a loss of coolant accident or a blackout, the D/Gs will automatically start and subsequently load.

The "Engineered Safety Features Actuation Periodic Test" was being performed to comply with the requirements of Technical Specification 4.8.1.1.2. The section of the Engineered Safety Features (ESF) test which required a safety injection signal to return D/G 1A, connected to 1ETA and loaded, to standby status had been completed. A Nuclear Equipment Operator (NEO) was aligning D/G 1A to perform the section of the test which demonstrates D/G starting, load shedding, and emergency load sequencing in response to a blackout. The procedural step stated, "If the normal incoming feeder breaker is open proceed as follows". The NEO misread it as, open 1ETA normal incoming feeder breaker. The NEO then opened 1ETA normal incoming feeder breaker, causing a blackout on 1ETA and initiating Train A blackout logic. The NEO had performed the procedure numerous times without incident. After realizing the error, the NEO then turned on the synchroscope and attempted to match 1ETA with line voltage, to enable the reclosure of 1ETA normal incoming feeder breaker. The eight second undervoltage test, which confirms the validity of the blackout, had completed and commenced 1ETA load shed and emergency load sequencing on D/G 1A. D/G 1A was then successfully shutdown at 2056.

This report will be covered with appropriate personnel. D/G 1A performed as designed during this incident and would have continued to supply emergency loads as necessary. The health and safety of the public were not affected by this incident.

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

April 30, 1984

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

Subject: McGuire Nuclear Station, Unit 1
Docket No. 50-369
LER 369/84-12

Gentlemen:

Pursuant to 10 CFR 50.73 Sections (a)(1) and (d), attached is Licensee Event Report 369/84-12 concerning a diesel generator 1A start due to an inadvertent Train A blackout which is submitted in accordance with §50.73 (a)(2)(iv). Initial notification of this event was made (pursuant to §50.72 Section (b)(2)(ii)) with the NRC Operations Center via the ENS on March 30, 1984. This event was considered to be of no significance with respect to the health and safety of the public.

Very truly yours,

H.B. Tucker
Hal B. Tucker

PBN:glb
Attachment

cc: Mr. James P. O'Reilly
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Records Center
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

Mr. W. T. Orders
NRC Resident Inspector
McGuire Nuclear Station

IE22
1/1