

NRC FORM 388  
(12-81)U.S. NUCLEAR REGULATORY COMMISSION  
LICENSEE EVENT REPORTAPPROVED BY OMS  
3150-0011  
EXPIRES 4-30-82

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01	N	C	M	G	S	1	2	0	0	-	0	0	0	0	-	0	0	3	4	1	1	1	1	4	5				
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32				
LICENSEE CODE												LICENSE NUMBER												LICENSE TYPE				CAT 18	

CONT

01	L	6	0	5	0	0	0	3	6	9	7	0	7	0	7	8	3	8	1	2	3	0	8	3	9				
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32				
REPORT SOURCE												DOCKET NUMBER												EVENT DATE				REPORT DATE	

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

012 While in Mode 1, fire detection zones (EFA) 150 (on 7/7/83 and again on 7/10/83),

013 90 (on 7/15/83), and 101 (on 7/16/83) were declared inoperable due to invalid

014 alarms. These constitute degradation of fire detection instrumentation (T.S.3.3.

015 3.7) which is reportable per T.S.6.9.1.11(b) and similar to RO's 369/83-25, 83-

016 33, 83-40, and 370/83-13, 83-24, 83-30. Fire watches and containment temperature

017 monitoring were established as necessary during the times the zones were inoper-

018 able, restoring early warning capability. Health and safety of the public were

019 unaffected.

09	A	B	11	X	12	Z	13	I	N	S	T	R	U	14	E	15	Z	16	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP SUBCODE		VALVE SUBCODE							
17		18		19		20		21		22		23		24		25		26	
LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.									
17		18		19		20		21		22		23		24		25		26	
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER			
17		18		19		20		21		22		23		24		25		26	
17		18		19		20		21		22		23		24		25		26	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

110 EFA 150 (7/7/83) inoperability due to a bent contact on one of the detectors. The

111 detector (Honeywell TC 100A) was replaced and the zone declared operable. EFA 90

112 due to dirt accumulation in the detector (Firemark 9620). The detector was re-

113 placed. EFA 101's alarm was apparently spurious. The alarm was reset. EFA 150

114 alarm of 7/10/83 cause is corrosion on detector base resulting from moisture

115 accumulation from leakage of valve INC-18 (ref. RO-369/83-62). The detector base was replaced.

15	E	28	1	0	0	29	NA	A	31	Control Room Alarms	
7	8	9	10	11	12	13	14	15	16	17	
FACILITY STATUS		POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION			
15		16		17		18		19		20	

16	Z	33	Z	34	NA	35	NA	36	
7	8	9	10	11	12	13	14	15	
ACTIVITY CONTENT RELEASED OF RELEASE		AMOUNT OF ACTIVITY				LOCATION OF RELEASE			
16		17		18		19		20	

17	0	0	0	37	Z	38	NA
7	8	9	10	11	12	13	14
PERSONNEL EXPOSURES NUMBER		TYPE		DESCRIPTION			
17		18		19		20	

18	0	0	0	40	NA
7	8	9	10	11	12
PERSONNEL INJURIES NUMBER		DESCRIPTION			
18		19		20	

19	Z	42	NA
7	8	9	10
LOSS OF OR DAMAGE TO FACILITY TYPE		DESCRIPTION	
19		20	

20	N	44	NA
7	8	9	10
PUBLICITY ISSUED DESCRIPTION			
20		21	

NAME OF PREPARER Phillip B. Nardoci

PHONE (704) 373-7432

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PDR ADOCK 05000369  
S PDR

NRC USE ONLY

**DUKE POWER COMPANY**

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**HAL B. TUCKER**  
VICE PRESIDENT  
NUCLEAR PRODUCTION

December 30, 1984

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(704) 373-4531

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

Subject: McGuire Nuclear Station Unit 1  
Docket No. 50-369  
LER/RO-369/83-52

Dear Mr. O'Reilly:

Please find attached Revision 1 to Reportable Occurrence Report RO-369/83-52. The original report was submitted by my letter dated August 5, 1983. This revision reflects determination of the cause of fire detection zone 150's inoperability of July 10, 1983, and provides the corrective actions taken. This report concerns T.S. 3.3.3.7, "As a minimum, the fire detection instrumentation for each fire detection zone shown in Table 3.3-11 shall be operable". This incident 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:jfw  
Attachment

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

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

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