

Update Report

LICENSEE EVENT REPORT

Previous Report Date

/02/77

R.O.-77-2-24(A)

(PLEASE PRINT ALL REQUIRED INFORMATION)

CONTROL BLOCK:

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LICENSEE NAME						LICENSE NUMBER						LICENSE TYPE				EVENT TYPE								
01	N	Y	I	P	S	2	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	1
7	8	9	14	15	25	26	30	31	32															

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER				EVENT DATE			REPORT DATE												
01	CONT	T	L	0	5	0	-	0	2	4	7	1	0	1	9	7	7	0	3	1	0	8	0
7	8	57	58	59	60	61	68	69	74	75	80												

EVENT DESCRIPTION

02																									80
03																									80
04	SEE ATTACHED SHEET																								80
05																									80
06																									80

SYSTEM CODE		CAUSE CODE	COMPONENT CODE				PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER			VIOLATION				
07	S	D	B	Z	Z	Z	Z	Z	Z	Z	9	9	9	N	
7	8	9	10	11	12	13	14	17	43	44	46	47	48		

CAUSE DESCRIPTION

08																									80
09	SEE ATTACHED SHEET																								80
10																									80

FACILITY STATUS		% POWER	OTHER STATUS			METHOD OF DISCOVERY		DISCOVERY DESCRIPTION					
11	E	1	0	0	NA			C	Engineering Analysis				
7	8	9	10	12	13	44	45	46	80				
FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE	AMOUNT OF ACTIVITY				LOCATION OF RELEASE						
12	Z	Z	NA				NA						
7	8	9	10	11	44	45	80						

PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION						
13	0	0	0	Z	NA			
7	8	9	11	12	13	80		

PERSONNEL INJURIES

NUMBER	DESCRIPTION						
14	0	0	0	NA			
7	8	9	11	12	80		

PROBABLE CONSEQUENCES

15	NA																								80
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LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION					
16	Z	NA				
7	8	9	10	80		

PUBLICITY

17	NA																								80
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ADDITIONAL FACTORS

18	NA																								80
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19																									80
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8008170297

Event Description

During a continuing review of the electrical circuitry, associated with the containment isolation valves, it was discovered that although the air ejector diversion line containment isolation valve circuitry meets the single failure criterion for most postulated conditions, the single failure criterion cannot be satisfied for a postulated short circuit or foreign voltage imposition in the control circuitry for these valves.

When the discrepancy in the wiring was determined, immediate action was taken to assure that these valves would remain closed. The control air to the valve operators was isolated and the valve operators were bled of any remaining control air. Additionally, the control switch for these valves in the Central Control Room was put in the "closed" position. Redundant protection against maloperation of these valves was thus assured should containment isolation be required.

In the event that radioactive contaminants leaked into the secondary steam system, an early warning of this situation would have been provided by the radiation alarms on the air ejector discharge and/or the steam generator blowdown. The exhaust flow from the air ejectors would not have been redirected to containment and these valves would have remained closed during any period when containment isolation was required.

The electrical circuitry associated with these valves was modified during the 1980 Turbine Inspection Outage to insure the single failure criterion is satisfied for all postulated conditions. These valves have now been returned to their normal operating mode.

Cause Description

This event was the result of a condition caused by control circuitry design which provided for only one source of power to the air ejector diversion line containment isolation valves.

