

OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Licensee Event Report
Reportable Occurrence No. 50-219/76-23-3L

Report Date

October 15, 1976

Occurrence Date

September 17, 1976

Identification of Occurrence

Violation of the Technical Specifications, Table 3.1.1.M.1, when the diesel generator load sequence timer (TK3) for containment spray pump 51C was found to be outside the specified tolerances. This event is considered to be a 30-day reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.n.(1).

Conditions Prior to Occurrence

The major plant parameters at the time of the event were as follows:

Power: Reactor, 1906 Mwt
Generator, 633 MWe (g)
Flow: Recirculation, 16.0×10^4 gpm
Feedwater, 7.1×10^6 lb/hr
Stack Gas: 14,700 μ ci/sec

Description of Occurrence

On Friday, September 17, 1976, at approximately 1930 hours, while performing surveillance of the containment spray system, the load sequencing timer for containment spray pump 51C was found not to be within the tolerances specified in the Technical Specifications. Instead of providing a pump start delay time of 40 ± 6.0 seconds, a start of 51C pump was initiated in 30 seconds.

Apparent Cause of Occurrence

The manufacturer's specifications for the relay state a nominal $\pm 5\%$ drift due to switch repeatability and a $\pm 10\%$ drift due to temperature changes. The sum of these two are the bases for the Technical Specification's limit of $\pm 15\%$. The observed relay drift was outside this limit.

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8103020039

LICENSEE EVENT REPORT

CONTROL BLOCK:

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[PLEASE PRINT ALL REQUIRED INFORMATION.]

LICENSEE NAME														LICENSE NUMBER										LICENSE TYPE					EVENT TYPE		
01	N	J	O	C	P	1	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	3							
7	8	9	14	15	25	26	30	31	32																						
01		CONT		CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER						EVENT DATE				REPORT DATE											
01	7	8	57	58	L	59	L	60	0	5	0	-	0	2	1	9	0	9	1	7	7	6	1	0	1	5	7	6			
7	8	57	58	59	60	61	68	69	74	75	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96				

EVENT DESCRIPTION

02 | While performing surveillance of the containment spray system, the load sequencing
 03 | timer for containment spray pump 51C was found not to be within the tolerances
 04 | specified in the Technical Specifications. The time was immediately reset to a
 05 | value within the limits. (50-219/76-23-3L)
 06 |

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER			VIOLATION		
07	S	B	E	C	K	T	B	R	K	N	E	0	9	8	Y
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

CAUSE DESCRIPTION

08 | An Agastat time delay relay, Model 2414PD, provided a time delay of 30 seconds
 09 | instead of 40 +6.0 seconds in starting pump 51C. This time was not within the
 10 | Technical Specification limit of 15%. PORC has directed that the relay be changed out

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION					
11	F	0	9	9	N/A				B	N/A					
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY				LOCATION OF RELEASE							
12	Z	0	N/A				N/A								
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION		
13	0	0	0	Z	N/A	
7	8	9	10	11	12	13

PERSONNEL INJURIES

NUMBER		DESCRIPTION			
14	0	0	0	N/A	
7	8	9	10	11	12

Probable Consequences

15	N/A	
7	8	9

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION	
16	Z	N/A	
7	8	9	10

PUBLICITY

17	N/A	
7	8	9

ADDITIONAL FACTORS

18	N/A	
7	8	9

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Analysis of Occurrence

Load sequencing timers are provided for sequencing loads onto the emergency bus to prevent overloading the diesel generators after a loss of power event. The loads before and after the containment spray pump are sequenced to the bus at times of 20 seconds for the secondary core spray booster pump and 60 seconds for the CRD pump after the diesel generator breaker closes to energize the bus. The time of 30 seconds for the start of the containment spray pump recorded during the surveillance test did not fall with the band provided for these other loads; therefore, it would not have endangered the safe loading of the diesel generator.

Corrective Action

Action taken was to reset the timer to within the Technical Specification limits. The Plant Operations Review Committee directed that the relay be changed out.

Failure Data

Manufacturer: Elastic Stop Nut Corporation of America
Type: Agastat Time Delay Relay
Model: 2414 PD
Serial Number: No. 1281636

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