



AUG 20 1985

L-85-325

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

Gentlemen:

Re: Reportable Event 85-019
Turkey Point Unit 3
Date of Event: July 21, 1985
Reactor Protection System
Actuation - Reactor Trip and
Auxillary Feedwater Initiation

The attached Licensee Event Report is being submitted pursuant to the requirements of 10 CFR to provide notification of the subject event.

Very truly yours,

A handwritten signature in cursive script, appearing to read "J. W. Williams, Jr.", is written over a horizontal line.

J. W. Williams, Jr.
Group Vice President
Nuclear Energy Department

JWW/SAV:dkw

Attachment

cc: Dr. J. Nelson Grace, Region II, USNRC

PNS-LI-85-293/1

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PDR ADOCK 05000250
S PDR

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Turkey Point Unit 3										DOCKET NUMBER (2) 0 5 0 0 0 2 5 0 1										PAGE (3) OF 0 1																																	
TITLE (4) Reactor Protection System Actuation - Reactor Trip and Auxiliary Feedwater Initiation																																																					
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 7			2 1			8 5			8 5			0 1			9			0 0			0 8			2 0			8 5			N/A												0 5 0 0 0											
OPERATING MODE (9) 1									THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																																												
POWER LEVEL (10) 1 0 1 0									20.402(b)									20.406(e)									<input checked="" type="checkbox"/> 50.73(a)(2)(iv)									73.71(b)																	
									20.406(a)(1)(i)									50.38(a)(1)									50.73(a)(2)(v)									73.71(c)																	
									20.406(a)(1)(ii)									50.38(a)(2)									50.73(a)(2)(vi)									OTHER (Specify in Abstract below and in Text NRC Form 365A)																	
									20.406(a)(1)(iii)									50.73(a)(2)(i)									50.73(a)(2)(vii)(A)																										
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LICENSEE CONTACT FOR THIS LER (12)																																																					
NAME R. L. Teuteberg, Regulation and Compliance Engineer																				TELEPHONE NUMBER 310 15 214 15 - 1219 110																																	
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																																					
CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPROS		CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPROS																																			
SUPPLEMENTAL REPORT EXPECTED (14)																																																					
<input type="checkbox"/> YES (If yes complete EXPECTED SUBMISSION DATE)																				<input checked="" type="checkbox"/> NO										EXPECTED SUBMISSION DATE (15)																							
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ABSTRACT (Limit to 1400 spaces - i.e. approximately fifteen single space typewritten lines) (16)																																																					
<u>Event:</u> On July 21, 1985 at 11:41 p.m., Unit 3 experienced a reactor trip from 100% power due to a spurious low pressurizer pressure signal generated in the reactor protection system (RPS). The reactor trip logic in the RPS initiated a subsequent turbine trip. The reactor trip resulted in steam generator levels decreasing below the low-low setpoints, 15% of the narrow range span, due to steam generator shrink. This initiated an automatic start of auxiliary feedwater pumps. Plant procedures were used to stabilize the unit in a hot standby condition.																																																					
<u>Cause of Event:</u> A heavy electrical and rain storm was in progress at the time of the event. The findings from a post-trip review indicated that the most probable cause was a lightning strike, which affected pressurizer pressure protection comparators generating a spurious pressurizer low pressure reactor trip.																																																					
<u>Corrective Actions:</u> The following corrective measures were taken: 1) To ensure that the pressurizer pressure and level protection channels were not damaged by the lightning strike, a periodic operability test was performed using Operating Procedure 14004.4. These protection channels performed satisfactorily. 2) A review was conducted of the printouts of the Unit 3 480 VAC Load Center Voltage Analyzers and the Undervoltage Circuits Sequence of Events Recorder. No abnormal indications were evident on these printouts. 3) A post-trip review was performed and no abnormal operating conditions associated with the trip were identified. The health and safety of the public were not affected. Similar occurrences: None. IE22 1/1																																																					