

LICENSEE EVENT REPORT (LER)

Form Rev 2.0

Facility Name (1) LaSalle County Station Unit 1	Docket Number (2) 0 5 0 0 0 3 7 3	Page (3) 1 of 0 3
Title (4) Suppression Chamber High Level Alarm Exceeded Due to Procedural Inadequacy		

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 1	8 9	8 9	0 1 3	0 0	0 5	0 1	8 9	LaSalle Unit 2	0 5 0 0 0 3 7 4		

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)		
POWER LEVEL (10) 0 9 9	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)
	<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)
	<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)
	<input type="checkbox"/> 20.405(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)
	<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)
	<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)
			<input type="checkbox"/> 73.71(b)
			<input type="checkbox"/> 73.71(c)
			<input type="checkbox"/> Other (Specify in Abstract below and in Text)

LICENSEE CONTACT FOR THIS LER (12)	
Name P. Andrew Upshaw, Technical Staff Engineer, extension 2701	TELEPHONE NUMBER AREA CODE: 8 1 5 3 5 7 - 6 7 6 1

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
D	I	K		Y					

SUPPLEMENTAL REPORT EXPECTED (14) <input type="checkbox"/> Yes (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	Expected Submission Date (15) Month Day Year
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On March 31, 1989 at 2230 hours with Unit 1 in Operational Condition 1 (Run) at 99.0% power, the Suppression Chamber High Level Switch 1E22-N002A was found to have exceeded the Technical Specifications (4.6.2.1.c.3.a and 3.3.3, Table 3.3.3-2) desired alarm setpoint of +2.0 inches (elevation 700' 1").

The function of 1(2)E22-N002A/B is to alarm at panel 1(2)H13-P601 when Suppression Pool level exceeds +2.0 inches (elevation 700' 1"). These switches formerly functioned to swap the High Pressure Core Cooling pump suction path from the cycled condensate storage tank to the Suppression Pool. The feature is no longer required as discussed in Licensee Event Report 374/85-027-01.

The root cause of this event was due to procedural inadequacy. LIS-CM-105(205), "Unit 1(2) Suppression Chamber High Level Calibration," allowed the setpoint to be +1.5 to +2.5 inches. The Technical Specification Limiting Condition for Operation is +3.0 inches. LIS-CM-105(205) has been revised to reflect the desired alarm setpoint of \leq +2.0 inches as specified in Technical Specification 4.6.2.1.c.3.a and Table 3.3.3-2 of Technical Specification 3.3.3.

This event is being reported to the Nuclear Regulatory Commission as a Licensee Event Report per 10CFR50.73(a)(2)(i) as a condition prohibited by the Technical Specifications.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Form Rev 2.0

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)						Page (3)		
		Year	///	Sequential Number	///	Revision Number				
LaSalle County Station Unit 1	0 5 0 0 0 3 7 3	8 9	-	0 1 3	-	0 0	0 2	OF	0 3	

TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [XX]

PLANT AND SYSTEM IDENTIFICATION

General Electric - Boiling Water Reactor

Energy Industry Identification System (EIIS) codes are identified in the text as [XX].

A. CONDITION PRIOR TO EVENT

Unit(s): 1/2 Event Date: 03/31/89 Event Time: 2230 Hours
 Reactor Mode(s): 1/1 Mode(s) Name: Run/Run Power Level(s): 99.0%

B. DESCRIPTION OF EVENT

On March 31, 1989 at 2230 hours with Unit 1 in Operational Condition 1 (Run) at 99.0% power, the Suppression Chamber (CM) [IK] High Level Switch 1E22-N002A was found to have exceeded the Technical Specifications (4.6.2.1.c.3.a and 3.3.3, Table 3.3.3-2) desired alarm setpoint of +2.0 inches (elevation 700' 1"). LaSalle Instrument Surveillance LIS-CM-105, "Suppression Chamber High Level Calibration," annunciator is actuated by the tripping of either level switch 1E22-N002A or 1E22-N002B. The level switch was discovered at an "as found" value of 2.5 inches on 1E22-N002A and at +1.75 inches on 1E22-N002B. Unit 2 Suppression Chamber High Level Switches 2E22-N002A and 2E22-N002B were also checked. The "as found" value for 2E22-N002A and 2E22-N002B were +2.0 and +2.25 inches, respectively.

The function of 1(2)E22-N002A/B is to alarm at panel 1(2)H13-P601 when Suppression Pool level exceeds +2.0 inches (elevation 700" 1"). These switches formerly functioned to swap the High Pressure Core Spray (HP) [BG] pump suction path from the cycled condensate storage tank (CY) [KA] to the Suppression Pool. The feature is no longer required as discussed in Licensee Event Report 374/85-027-01.

No manual or automatic safety functions occurred or were required to occur. No inoperable or out-of-service equipment contributed to this occurrence. This event is being reported to the Nuclear Regulatory Commission as a Licensee Event Report per 10CFR50.73(a) (2) (i) as a condition prohibited by the Technical Specification.

C. APPARENT CAUSE OF EVENT

The root cause of this event was procedural inadequacy. LIS-CM-105(205), "Unit 1(2) Suppression Chamber High Level Calibration," allowed the setpoint to be +1.5 to +2.5 inches. While performing LIS-CM-105, 1E22-N002A was set to alarm at +2.125 inches instead of +2.0 inches. During the performance of LIS-CM-205, 2E22-N002B was set at +2.25 inches. This was allowed by both procedures.

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D. SAFETY ANALYSIS OF EVENT

This event did not adversely affect plant safety. The switch setting did not exceed the Technical Specification Limiting Condition for Operation (LCO) of +3 inches (elevation 700' 2") with a reference at instrument zero level (elevation 699' 11"). LaSalle Operating Surveillance LOS-AA-D1, "Unit 1(2) Daily Surveillance Week March 27, 1989 to April 2, 1989" is performed on both units. Before this event occurred, the surveillance shows that the alarm setpoint was not exceeded on either unit.

E. CORRECTIVE ACTIONS

1E22-N002A was calibrated satisfactorily and returned to service on April 1, 1989. LaSalle Instrument Surveillance LIS-CM-105(205), "Unit 1(2) Suppression Chamber High Level Calibration," has been revised to reflect the desired alarm setpoint of ≤ 2 inches as specified in Technical Specification 4.6.2.1.c.3.a and Table 3.3.3-2 of Technical Specification 3.3.3. LaSalle Instrument Surveillance LIS-CM-305(405), "Unit 1(2) Suppression Chamber High Level Functional Test," will include a reference to Technical Specification 4.6.2.1.c.3.a. Action Item Record (AIR) 373-200-89-03201 will track these procedure revisions.

Originally, the lowest achievable setpoint for 1E22-N002A was +2.125". Before calibrating this level switch on April 1, 1989, the housing for the switch was lowered by 3/8ths of an inch. Having done this alteration, the level switch was recalibrated at the correct alarm setpoint of +2.0 inches and returned to service on April 1, 1989.

Only one high level alarm switch is required (either level switch will provide alarm). 2E22-N002B remains at +2.25 inches. AIR 373-200-89-03202 tracks long term resolution of this problem.

Immediately after 1E22-N002A was found exceeding the desired alarm setpoint, LaSalle Administrative Procedure LAP-1600-9, "Special Log" was performed to measure suppression pool water level at a frequency of once every twenty-four hours on both units. The procedure ran from March 31, 1989 to April 4, 1989. During this time, suppression pool level did not exceed 3/4 inch (elevation 699' 11 3/4").

F. PREVIOUS EVENTS

LER Number	Title
374/86-016-00	Missed Suppression Pool High Level Alarm Surveillance

G. COMPONENT FAILURE DATA

None.



Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 200
Marseilles, Illinois 61741
Telephone 815/357-1761

May 1, 1989

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 20555

Dear Sir:

Licensee Event Report #89-013-00, Docket #050-373 is being submitted to your office in accordance with 10CFR50.73(a)(2)(i).

W R Diederich
for G. J. Diederich
Station Manager
LaSalle County Station

GJD/PAU/kg

Enclosure

xc: Nuclear Licensing Administrator
NRC Resident Inspector
NRC Region III Administrator
INPO - Records Center

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11