

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
LaSalle County Station Unit 1	0 5 0 0 0 3 7 3	1 OF 0 3

TITLE (4)

Discharge of Radwaste Discharge Tank 2WF05T with Incorrect Setpoint

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	1 1	8 5	8 5	0 3 1	0 0 0	4 2	2 8	5	LaSalle Co. Sta. U-2	0 5 0 0 0 3 7 4	
									NA	0 5 0 0 0	

OPERATING MODE (9)	1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)									
POWER LEVEL (10)	9 9 7	20.402(b)	20.405(e)	50.73(a)(2)(iv)	73.71(b)						
		20.405(a)(1)(i)	50.38(a)(1)	50.73(a)(2)(v)	73.71(a)						
		20.405(a)(1)(ii)	50.38(a)(2)	50.73(a)(2)(vi)							
		20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(vii)(A)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(vii)(B)							
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Daniel Ray Smythe, extension 292	AREA CODE
Sandra Kay Schiller, extension 761	8 1 5 3 1 5 7 1 6 1 7 1 6 1

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
A	W/D	Z/Z Z/Z	Z/Z Z/Z	N					
X	I/L	Z/Z Z/Z	G O 8 0	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On March 11, 1985, at 2025, the Radwaste Discharge System (WH) isolated while discharging tank 2WF05T (WD) due to high rad (IL). On April 17, 1985, during a subsequent review of the discharge package, it was observed that the actual process rad monitor High-High trip point exceeded the maximum allowable High-High trip point, as calculated in accordance with LCP-140-7. This is in violation of Technical Specification 3.3.7.10. Tank 2WF05T (Batch 05-85) was discharged without realizing that the actual rad monitoring High-High trip setpoint exceeded the maximum allowable High-High trip setpoint because the actual value was misread from the chart recorder by the Operator. AIR #373-200-85-00059 has been written to track additional training on the procedures for liquid radwaste discharges in the Equipment Attendant Continuing Training Program.

It is believed that crud build up on the inside surfaces of the radwaste discharge line may have loosened and mixed with the discharge, causing the system to isolate on high rad.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

I. EVENT DESCRIPTION

At approximately 1810 hours on March 11, 1985, the 2WFO5T Radwaste Discharge (WD) Tank (Batch #5-85) was discharged to the Illinois River (WH). At 2025 hours, the system isolated on a high rad signal (IL). On April 17, 1985, it was observed that the actual process radiation monitor (PRM) High-High Alarm/Trip Setpoint (3.2E05cpm) exceeded the Maximum Allowable High-High Alarm Trip Setpoint (1.8E05cpm) calculated in accordance with LCP-140-7 and specified on Attachment C of the Radwaste Discharge Package. This setpoint was less conservative than required and is therefore contrary to Technical Specification 3.3.7.10. Unit 1 was operating at 97% power in Mode 1 and Unit 2 was shut down at the time of the event.

II. CAUSE

Batch #5-85 was discharged without realizing that the actual PRM High-High Alarm/Trip Setpoint exceeded the calculated Maximum Allowable High-High Alarm/Trip Setpoint because the actual value was misread from the chart recorder by the Operator. The value misread from the chart recorder was conservative with respect to the calculated Maximum Allowable High-High Alarm/Trip Setpoint, 1.8E05cpm. The actual existing setpoint should have been read as 3.2E05cpm and was not conservative with respect to the calculated setpoint. This was determined during a subsequent review of the discharge package.

The reason that the process activity level went above the High-High trip setpoint is unknown. It is believed that crud build-up on the inside surfaces of the radwaste discharge line may have loosened and mixed with the discharge, momentarily increasing the discharge activity.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

This event did not adversely affect the health and safety of the public. The quantity of radioactive material released to the environment was within the limits specified by 10CFR20 and the ODCM. The system isolated as designed.

IV. CORRECTIVE ACTION

Additional training on the procedures for liquid radwaste discharges is being included in the Equipment Attendant Continuing Training Program and will be tracked by AIR #373-200-85-00059.

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V. PREVIOUS EVENTS

One reportable event (LER 84-086-00) has occurred where a radwaste discharge was performed with a non-conservative High-High Alarm/Trip Setpoint.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Sandra K. Schiller, 815/357-6761, extension 761.
Daniel R. Smythe, 815/357-6761, extension 292.



Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

April 22, 1985

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

Dear Sir:

Reportable Occurrence Report #85-031-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73. This report is being submitted in excess of the 30 day requirement due to a delay in identifying this to be a reportable event.

R. D. Bishop
for G. J. Diederich
Station Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

xc: NRC, Regional Director
INPO-Records Center
File/NRC

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