

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LASALLE COUNTY STATION UNIT 1										DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 1 OF 0 4										PAGE (3) 1 OF 0 4	
TITLE (4) RADWASTE DISCHARGE WITH NO SAMPLE FLOW																					
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)							
01	23	84	84	001	00	01	25	84	LaSalle County Unit 2					0 5 0 0 0 3 7 4							
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) 0.70			20.402(b)			20.405(c)			80.73(a)(2)(iv)					73.71(b)							
			20.406(a)(1)(i)			80.73(a)(1)			80.73(a)(2)(v)					73.71(c)							
			20.406(a)(1)(ii)			80.73(a)(2)			X 80.73(a)(2)(vii)					OTHER (Specify in Abstract below and in Text, NRC Form 366A)							
			20.406(a)(1)(iii)			80.73(a)(2)(i)			80.73(a)(2)(viii)(A)												
			20.406(a)(1)(iv)			80.73(a)(2)(ii)			80.73(a)(2)(viii)(B)												
			20.406(a)(1)(v)			80.73(a)(2)(iii)			80.73(a)(2)(ix)												
LICENSEE CONTACT FOR THIS LER (12)																					
NAME John C. Klika, SCRE, x209										TELEPHONE NUMBER											
										AREA CODE 815											
										357-6761											
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											
C	IL	ZIZIZIZI	ZI999	N																	
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
YES (If yes, complete EXPECTED SUBMISSION DATE) XX NO																					

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

ABSTRACT:

On the morning of 1-25-84 a discharge of a Radwaste Tank to the Illinois River was conducted with no known sample flow to the Process Rad Monitor (IL) due to sample return lines freezing. This resulted in a discharge without continuous monitoring required by Technical Specification 3.3.7.10. Prior to the discharge, a batch sample was taken and analyzed to determine proper blowdown flow for dilution. Proper blowdown flow was verified throughout the discharge. It is therefore felt that no release limits were exceeded.

On several nights just prior to the discharge, extremely cold conditions existed causing the return line for the sample skid which is in unheated surroundings to become frozen.

Erratic flow oscillations were noted during the discharge of 1-22-84 causing sample flow alarms in the Control Room. The discharge was not secured but flow was checked with a determination that the High Flow Signal gave the alarm. The alarm was noted as invalid and the discharge continued to completion.

At the start of the discharge on 1-23-84, source checks were conducted. Sample flow was not checked and was not required by procedure. The Control Room NSO did not note the Sample Flow Alarm and started the discharge which continued until detected by the oncoming NSO who secured the discharge. He had the Outside Rounds

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) LASALLE COUNTY STATION	DOCKET NUMBER (2) 05000373	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		84	001	00	02	OF 04

TEXT (If more space is required, use additional NRC Form 365A's) (17)

Equipment Attendant investigate the SAMPLE FLOW Alarm and found the return line frozen.

The return line was thawed out and proper flow was verified. Applicable procedures are being revised to verify proper flow at the time of the source check and to verify operability of the flow alarm.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

FACILITY NAME (1) LASALLE COUNTY STATION	DOCKET NUMBER (2) 0 5 0 0 0 3 7 3	LER NUMBER (6)			PAGE (3)		
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TEXT IF more space is required, use additional NRC Form 366A's (17)

I. EVENT DESCRIPTION:

At 2115 on 1-21-84 a Radwaste discharge was started. Prior to starting, a source check of the Radwaste Process Rad Monitor (IL) was conducted satisfactorily by the Outside Rounds Operator (EA). A check of sample flow was not conducted and the SAMPLE FLOW alarm condition was not noted by the Control Room NSO. At about 0100 on 1-22-84 a SAMPLE FLOW alarm was intermittent. The NSO sent the Outside Rounds operator to check sample flow. Discharge was not secured per Alarm Procedure LOA-OPM08J-CP2-204. The Outside Rounds operator found the flow indication bouncing erratically and suspected that it was causing spurious high flow signals. Discharge was continued and the alarm problem was noted in the turnover. The Shift Control Room Engineer had no recollection of the alarm. The oncoming NSO noted that the alarm was up solid but figured that the alarm was invalid due to the information provided in the turnover. Discharge was completed at 0930.

At 0130 on 1-23-84 another discharge was started after a source check was completed. The Shift 1 NSO did not note any SAMPLE FLOW alarms and did not acknowledge any such alarms during the shift. While conducting the source check, Shift 1 Outside Rounds operator did not note sample flow "but the pump was running."

At 0710 on 1-23-84, the Shift 2 NSO noted that the Radwaste "SAMPLE FLOW" alarm was annunciated at Telemetry panel OPM08J. The NSO directed that discharge be stopped per LOA-OPM08J-CP2-204. He contacted the Outside Rounds Operator to go to the Lake Blowdown Valve House to check sample flow. The Rounds person noted no flow at the PRM skid and checked the valve line up finding that the OVL049, Sample Return Line Stop, had an Out Of Service (OOS) 0-390-83 on it calling for the valve to be closed. The Shift Supervisor checked the OOS Log and found that this OOS was cleared July 2, 1983. The tag was removed and the Outside Rounds Operator tried to open the valve but could only get approximately 1/4 turn. Going in the closed direction he only got 1/4 turn on the valve.

II. CAUSE:

After getting effectively no movement on the valve, line freezing became suspect. The Mechanical Maintenance Dept. was requested to attempt to thaw out the return line which was located in an unheated instrument pit. During the line thaw, it was noted by the Center Desk NSO that the "SAMPLE FLOW" alarm had cleared. The Outside Rounds operator then checked sample flow which now showed approximately 5 gpm. The valve was then cycled to verify valve position. It was determined that the valve was always open during the event in question. Temperatures the 3 days previous to the event had been as low as -13°F.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

With no sample flow, discharge continued with inadequate Rad Monitoring required by Technical Specification Section 3.3.7.10. The Rad/Chem Department conducted a batch analysis of the tank being discharged to determine proper dilution prior to reaching the river.

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

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE (Cont'd):

Because the Blowdown Flow recorder was not operational, proper Blowdown Flow was verified by checking Blowdown Valve position and, thereby, Blowdown Flow once per 4 hours as required by Technical Specification 3.3.7.10. Based on the calculations and Blowdown Flow checks, it is believed that release limits were not exceeded.

IV. CORRECTIVE ACTION:

To prevent further occurrences of this type, the following actions will be taken.

1. LaSalle Chemistry Procedure LCP-140-7 Att. C will be revised to include a check of sample flow prior to doing a discharge. (AIR 1-1-84-67006).
2. LaSalle Operating Procedure LOP-WF-20 will be revised to include a check of sample flow at the time of the source check which is required prior to discharge. (AIR 1-1-84-67010).
3. LaSalle Administrative Procedure LAP 900-4, Out Of Service Procedure, will be revised to conduct double verifications on systems which have direct release potential (notably RQ, RHR-WS, & WS PRM's). This is already being covered under AIR 01-83-52201.
4. LaSalle Instrument Procedures LIS-PR-051, RH-305, RH-405, WS-301, and WS-401 will be revised to include functionals on PRM sample flow switches. (AIR 1-1-84-67009).
5. Operating Engineer will conduct tail gate sessions with personnel involved in related activities. (AIR 1-1-84-67007).
6. Modification is being studied to have the sample system moved to the basement of the turbine building which would prevent line freezing.
7. OPM08J LOA Procedures Telemetry Panel Alarms, will be provided in a rack at OPM08J. (AIR 1-1-84-67008).

V. PREVIOUS OCCURRENCES:

None.

VI. NAME AND PHONE NUMBER OF PREPARER:

John C. Klika, extension 209.



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

January 25, 1984

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

Dear Sir:

Reportable Occurrence Report #84-001-00, Docket #050-373 is being submitted to your office in accordance with 10 CFR 50.73(d).

G. J. Diederich
Superintendent
LaSalle County Station

GJD/GW/rg

Enclosure

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

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