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US NUCLEAR REGULATORY COMMISSION ----LICENSEE EVENT REPORT (LER) TEXT CONTINUATION APPROVED CHIR NO 3150-0104 EXPIRES 8/31/85 DOCKET NUMBER (2) FACILITY MAME (1) -----SEQUENTIAL NUMBER -NUMBER 0 6 0 0 0 0 3 7 3 815 0 ú 0 12 012 OF 0 H LaSalle County Station Unit 1 TEXT IN more apace is required, use additional MRC Form SHLA's/ (17)

I. EVENT DESCRIPTION

On 2/8/85 at 1630 hours, the Unit 1 Reactor Water Cleanup System (CE, nWCU) isolated on high differential flow (JM). At the time of the occurrence, the unit was in Hot Shutdown (mode No. 3), with vessel water temperature at approximately 480 degrees F. The RWCU System was blowing down to the main condenser in order to maintain proper vessel level.

Prior to the isolation, no abnormal conditions associated with the RWCU System flow were noted. Upon actuation, the isolation value 1G33-F004 closed as required (off of differential flow switch 1E31-N605A). Following isolation, the RWCU System was inspected for leakage, with none being found. Upon confirmation of satisfactory system status, the high differential flow isolation signal was reset. At 1720 hours the same day the Unit 1 RWCU System satisfactorily restarted with the B filter demineralizer being placed on line. No further system abnormalities were noted.

II. CAUSE

Due to difficulties associated with the computer point history file for the date of 2/8/85 (the time of the isolation), none of the parameters associated with the Unit 1 RWCU System (at or before the trip) were available for analysis.

However during unit startup and/or shutdown conditions, the majority (if not all) of the RWCU outlet water is blown down to the main condenser in order to control vessel level. Under this RWCU mode of operation, the return flow is much cooler (approximately 300 to 400 degrees F cooler) than the inlet flow, since the blowdown water does not return through the Regenerative Heat Exchangers. This results in a differential flow based on volumetric changes (only) of approximately 40 to 50 GPM.

Due to the system conditions present during the aforementioned shutdown (or any other reactor startup and/or shutdown), differential flow isolations can be expected without any actual leakage being present.

III. PROBABLE CONSEQUENCES OF THE OCCURENCE

The isolation occurred in accordance with system design. Safe plant conditions were maintained at all times. With the Reactor Water Cleanup System isolated, plant operations may continue (in either the Run, Startup/Hot Standby or Hot Shutdown Modes) as long as chemistry specifications are not exceeded.

Prior to resetting the isolations and restarting a pump, the RWCU System was checked for leaks, with none being found.

As previously noted, 50 minutes after the high differential flow isolation signal was received, the Unit 1 RWCU System was back in operation.

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US NUCLEAR REGULATORY COMMISSION

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NRC Form 364A		U.S NUCLEAR REGULATORY COMMISSIO
(9-63)	LICENSEE EVENT REPORT (LER) TEXT CONTINUATION	APPROVED OMB NO 3150-0104 EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)		LER NUMBER (6)	PAGE (3)		
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V. PREVIOUS OCCURRENCES

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Previous events of this type have occurred on Unit 1 and Unit 2 as described in the following LER's:

373/84-030	374/84-029	374/84-073
373/84-033	374/84-041	374/84-079
373/84-040	374/84-044	374/84-089
373/84-055	374/84-054	374/84-093
373/84-082	374/84-057	
373/85-003	374/84-064	

VI. NAME AND TELEPHONE NUMBER OF PREPARER

John B. Reis, 815/357-6761, Extension 463.



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

February 25, 1985

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

Dear Sir:

Reportable Occurrence Report #85-012-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

R. D. Buskys

Jong. J. Diederich Superintendent LaSalle County Station

GJD/MLD/cw

Enclosure

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

TELL