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) Continuous Conductivity Indication Inoperable Due to Vessel Draindown for Chemical Decontamination

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)
									N/A	0 5 0 0 0 3 7
0 3	3 0	8 8	8 8	0 0 6	0 0	0 5	1 9	8 8		0 5 0 0 0 3 7

OPERATING MODE (9)	5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)			
POWER LEVEL (10)	0 0 0	___ 20.402(b)	___ 20.405(c)	___ 50.73(a)(2)(iv)	___ 73.71(b)
		___ 20.405(a)(1)(i)	___ 50.36(c)(1)	___ 50.73(a)(2)(v)	___ 73.71(c)
		___ 20.405(a)(1)(ii)	___ 50.36(c)(2)	___ 50.73(a)(2)(vii)	X Other (Specify in Abstract below and in Text) Voluntary
		___ 20.405(a)(1)(iii)	___ 50.73(a)(2)(i)	___ 50.73(a)(2)(viii)(A)	
		___ 20.405(a)(1)(iv)	___ 50.73(a)(2)(ii)	___ 50.73(a)(2)(viii)(B)	
		___ 20.405(a)(1)(v)	___ 50.73(a)(2)(iii)	___ 50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

Name	TELEPHONE NUMBER
	AREA CODE
JoAnn Shields, Technical Staff Engineer, extension 772	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
X	K N			N					

SUPPLEMENTAL REPORT EXPECTED (14)

		Expected Submission Date (15)	Month	Day	Year
___ Yes (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

On March 30, 1988, at 1015 hours with Unit 1 defueled, the continuous conductivity monitor for reactor water samples was declared inoperable. At that time, the Unit 1 reactor vessel was drained down below the continuous conductivity monitor sample tap to allow for chemical decontamination of the Reactor Recirculation piping. For the duration of the decontamination and other outage work which required reduced reactor vessel level, March 31 through April 17, 1988, a reduced sampling frequency was used where vessel conductivity was assumed to be outside the limits of Technical Specification Table 3.4.4-1, and would be verified to be within specifications once every 72 hours to satisfy Technical Specification 3.4.4.c.1. During the decontamination, vessel conductivity, pH, and chlorides were within the specifications of Table 3.4.4-1. After the decontamination, when vessel level was raised, on April 18, 1988, normal sampling was resumed. This report is submitted voluntarily due to the unusual method of meeting the reactor coolant chemistry requirements.

IE22 1/1

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 Event Date: 3/30/88 Event Time: 1015 Hours

Reactor Mode(s): Defueled Mode(s) Name: Defueled Power Level(s): 0%

B. DESCRIPTION OF EVENT

On March 30, 1988, at 1015 hours with Unit 1 defueled, the continuous conductivity monitor, (PS) [KN], for reactor water samples was declared inoperable. At that time, the Unit 1 reactor vessel was drained down below the continuous conductivity monitor sample tap to allow the Reactor Recirculation (RR) [AD] loops to be filled with chemicals for a chemical decontamination of the recirculation piping.

Technical Specification 4.4.4.c.2 requires that when the monitor is inoperable for up to 31 days, a dip conductivity sample be obtained at least once every 24 hours. The normal dip samples for the vessel conductivity are obtained from the local sample panels, or from off the jet pumps. But to accommodate the vessel piping decontamination, the vessel level was too low to allow the samples to be obtained from either of these points. The only feasible point at which to obtain a sample was the bottom head drain. To obtain the sample, a drywell entry was made, and a temporary hook-up off of a double block valve was made, with the flow being routed to a drywell to suppression pool downcomer. For the duration of the decontamination and post decontamination outage work, a reduced sampling frequency was used where the vessel conductivity was assumed to be outside the limits of Technical Specification Table 3.4.4-1, and would be verified to be within specifications once every 72 hours to satisfy Technical Specification 3.4.4 action c.1.

On April 18, 1988, the vessel was flooded up, and normal sampling per Technical Specification 4.4.4.c.2 was resumed.

During the time of the reduced sampling frequency, reactor water conductivity, chlorides, and pH samples were within the specifications of Table 3.4.4-1.

This report is submitted voluntarily due to the unusual method of meeting the reactor coolant chemistry requirements.

C. APPARENT CAUSE OF EVENT

The reactor conductivity samples could not be obtained through normal means due to the chemical decontamination of the recirculation piping and other outage work which required the reactor vessel level be maintained low. Samples were obtained at a reduced frequency through a temporary connection to verify the vessel chemistry was within specifications. The reduced frequency was necessitated due to the radiation doses and physical constraints of the location of the temporary sample valve. Once the decontamination and other outage work was completed, the samples were again obtained at the normal frequency, and the conductivity monitor was again declared operable.

There were no personnel errors or component failures involved in this event.

D. SAFETY ANALYSIS OF EVENT

The safety significance of this event was minimal because the event was conducted as a planned plant evolution per approved procedures. Reactor water samples were obtained once every 72 hours from a temporary connection. All samples were within the specifications of Technical Specification Table 3.4.4-1.

E. CORRECTIVE ACTIONS

The vessel was flooded up on April 18, 1988, after the decontamination work was completed. The continuous conductivity recorder was placed back in service and declared operable on April 18, 1988 at 1100 hours. During the time the reactor vessel level was low, samples were taken at a reduced frequency from a temporary sample point. All samples were within Technical Specification limits.

F. PREVIOUS EVENTS

None.

G. COMPONENT FAILURE DATA

None.

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

May 19, 1988

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

Dear Sir:

Licensee Event Report #88-006-00, Docket #050-373 is being submitted to your office as a Voluntary Report due to the unusual method of meeting reactor coolant chemistry requirements.

for W. R. Hamm

G. J. Diederich
Station Manager
LaSalle County Station

GJD/JMS/kg

Enclosure

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

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