



Commonwealth Edison
LaSalle County Nuclear Station
2601 N. 21st Road
Marseilles, Illinois 61341
Telephone 815/357-6761

August 31, 1994

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

Licensee Event Report #91-014-02, Docket #050-373 is being submitted to your office in accordance with 10CFR50.73(a)(2)(i).

D. J. Ray
Station Manager
LaSalle County Station

DJR/lja

Enclosure

cc: NRC Region III Administrator
NRC Senior Resident Inspector
INPO - Records Center
IDNS Resident Inspector
IDNS Senior Reactor Analyst
Nuclear Licensing Administrator

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LICENSEE EVENT REPORT (LER)

Form Rev 3.0

Facility Name (1) LaSalle County Station Unit 1										Docket Number (2) 0 5 0 0 0 3 7 3 1 of 0 4																				
Title (4) Lost Station Vent Stack Particulate Composite Sample (July 1991) by Offsite Vendor																														
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)														
1	0	1	5	9	1	9	1	---	0	1	4	---	0	2	0	8	3	1	9	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 8					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)					Other (Specify in Abstract below and in Text)										
					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 Bill Duttlinger, Chemist, Extension 2676										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	MANUFAC-TURER			REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER			REPORTABLE TO NPRDS																	
D						N																								
E						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 October 15, 1991, the Chemistry Services Department at LaSalle County Station received a telephone call from a representative of TMA/Norcal, (a vendor that provides radioanalytical analyses service to the station) informing the station that they could not find the monthly Station Vent Stack particulate composite sample for July, 1991. Due to the loss of this sample, the surveillance requirements in Technical Specification Table 4.11.2-1, for a monthly gross alpha analysis and a quarterly Strontium 89/90 analysis on composite particulate samples could not be performed.

The exact cause of the lost sample is not known. The Chemistry Services Department believes that the sample was in the shipping container when it left the site. The vendor cannot determine if the sample was lost before receipt, or whether it was lost at their facility.

Gamma isotopic and tritium analyses of the samples obtained from the Station Vent Stack were reviewed for the months of June, July and August 1991 and showed a normal release trend. Therefore, it is believed that the lost data would also be normal.

A revision to Chemistry Procedure, LCP-410-9, has been made requiring the Station Quality Control Department to review the shipment of monthly Technical Specification composites prior to leaving the station to ensure all the samples are in the shipment when it leaves the site.

Continued on Attached Page

ABSTRACT CONTINUED

A Chemistry Surveillance has been generated to ensure that the Chemistry Department contacts the vendor 10 days after shipment if the vendor has not acknowledged receipt of the shipment.

TMA/Norcal has enhanced their sample receipt process to include additional resources and applicable procedural changes.

This event is being reported pursuant to 10CFR50.73(a)(2)(i)(B) any operation or condition prohibited by the Plant's Technical Specification.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION															Form Rev 3.0							
FACILITY NAME (1)	DOCKET NUMBER (2)									LER NUMBER (6)												
										Year		///	Sequential Number		///				Revision Number			
LaSalle County Station Unit 1	0	5	0	0	0	3	7	3	9	1	-	0	1	4	-	0	2	0	2	OF	0	4
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 Event Date: 10/15/91 Event Time: 1335 Hours
 Reactor Mode(s): 1 Modes(s) Name: Run Power Level(s): 98%

B. DESCRIPTION OF EVENT

On October 15, 1991, the Chemistry Services Department at LaSalle County Station received a verbal notification from a representative of TMA Norcal, a vendor that performs radioanalytical analyses service to the station, that they could not find the monthly Station Vent Stack particulate composite samples for July, 1991. Due to the loss of this sample, the surveillance in Technical Specification Table 4.11.2-1 which required a monthly gross alpha analysis and a quarterly Strontium 89/90 analysis on composite particulate samples quarterly was not performed.

This event is being reported pursuant to 10CFR50.73(a)(2)(i)(B) any operation prohibited by the plant's Technical Specification.

C. APPARENT CAUSE OF EVENT

The exact cause of the event is not known. A review of the paperwork associated with this shipment indicated that the station Chemistry Services Department sent the sample.

The vendor received the July monthly composite samples on August 30, 1991 (shipment LS-38). This shipment was logged into their Sample Control Database on September 3, 1991. The shipment was not inspected until sometime the following week, due to shortages in manpower, and a sudden, large increase in sample load. At the time of the inspection the station vent stack particulate composite was found to be missing. A preliminary search was made and it was discovered that the plastic bag which contained both the Station Vent Stack and the Standby Gas Treatment particulate composite samples had a cut in it and contained only the Standby Gas Treatment sample. Because of the unusually long delay in opening the sample, the vendor could not determine if the sample was lost before or after receipt.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Form Rev 3.0

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)									
		Year	///		Sequential Number	///		Revision Number			
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LaSalle County Station Unit 1	0 5 0 0 0 3 7 3	9 1	-		0 1 4	-		0 2	0 3	OF	0 4

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

C. APPARENT CAUSE OF EVENT (Continued)

A more thorough search for the missing sample was conducted at TMA Norcal site on October 15, 1991, the delay was due to a lack of manpower, the sample was not found and LaSalle was notified.

TMA/Norcal stated that a shortage of personnel and procedural problems involving receipt and tracking of samples contributed to this event.

D. SAFETY ANALYSIS OF EVENT

The Station Vent Stack Noble Gas iodine, particulate, and Tritium analyses were reviewed for the months of June, July and August, 1991. No abnormal trends were observed in these analyses. Both Unit 1 and Unit 2 operated with no fuel defects during July 1991, which minimizes the potential for significant fission product and gross alpha releases to the unrestricted areas via the Station Vent Stack. Therefore, there were not adverse effects to the health and safety of the public from the missed surveillance.

E. CORRECTIVE ACTIONS

Upon notification of the missing sample, the vendor reviewed its program for receipt of samples. As a result of a meeting of the vendor's QA Supervisor, Manager of Sample Control, Nuclear Operations Manager, and others directly involved in the incident, the following changes were made:

The status of the LaSalle County Station corrective actions is as follows:

1. LaSalle County Station Chemistry Services Department has revised LCP-410-9, "Preparation and Shipment of Technical Specification Required Samples for Offsite Release". Included in the revision is the requirement to notify the QC Department prior to sealing the container for shipment. The QC Department has hold points in the procedure to verify the correct number of samples shipped to the vendor.
2. A review of the June and August 1991 particulate composite Strontium 89/90 and gross alpha analysis results was performed and no abnormalities were found.
3. A team of Commonwealth Edison Corporate personnel visited TMA/Norcal in early December 1991 to review the vendor's laboratory and procedures. The vendor's laboratory and procedures were found to be adequate and TMA/Norcal remains a qualified laboratory for Safety Related Analyses.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)													
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LaSalle County Station Unit 1	0 5 0 0 0 3 7 3	9	1	-	0	1	4	-	0	2	0	4	OF	0	4

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

E. CORRECTIVE ACTIONS (Continued)

- LaSalle County Station Chemistry Services Department and Stores Department agree to ship the composite samples by using a cost effective and efficient means.
- LaSalle County Station Chemistry Services Department generated Surveillances #L00ZZ-CH00092M01-01, "Cooling Pond Blowdown Composite Samples", #L00ZZ-CH00092M01-03, "Standby Gas Treatment Composite Samples", and #L00ZZ-CH00092M01-02, "Station Vent Stack Composite Samples", requiring the Chemistry Services Department to call the vendor ten days after shipment if the vendor has not notified the Station of the receipt of the samples.

TMA/Norcal has performed the following corrective actions as a result of the missed sample:

- TMA/Norcal is using a combination chain of custody/log-in form to track location of the samples. The additional mechanisms in place for tracking samples after receipt is expected to prevent recurrence of missed samples by the vendor.
- Sample Control Procedures were changed at TMA/Norcal to require absolute verification of samples, consisting of a physical counting of the samples compared with the shippers documents when the package is logged in as being received. The log-in form along with computer programs to track sample location will ensure that the samples are recorded as being received within two weeks of arrival at the vendor.
- Program Managers have been reminded of their responsibility to notify clients if any discrepancy in the sample shipment is discovered.

There have been no problems with TMA/Norcal regarding receipt any analysis of any LaSalle County Station composite samples since the 10/15/91 event.

F. PREVIOUS EVENTS

None.

G. COMPONENT FAILURE DATA

None.