



Commonwealth Edison
Dresden Nuclear Power Station
6500 North Dresden Road
Morris, Illinois 60450
Telephone 815/942-2920

July 27, 1994

GFSLTR 94-0247

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

Licensee Event Report 94-019, Docket 50-237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10CFR50.73(a)(2)(i)(B).

Sincerely,

Gary F. Sped
Station Manager
Dresden Station

GFS/cfq

Enclosure

cc: J. Martin, Regional Administrator, Region III
NRC Resident Inspector's Office
File/NRC
File/Numerical

gfs94\0247.94

9408020086 940727
PDR ADOCK 05000237
S PDR

JE22

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)
Dresden Nuclear Power Station, Unit 2

DOCKET NUMBER (2)
05000237

PAGE (3)
1 OF 4

TITLE (4)
2/3 Chimney Grab Sample not obtained within required time frame.

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 NAME	DOCKET NUMBER
06	30	94	94	-- 019 --	00	07	29	94	None	
									FACILITY NAME	DOCKET NUMBER

OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)				
		20.2201(b)		20.2203(a)(3)(i)	50.73(a)(2)(iii)	73.71(b)
		20.2203(a)(1)		20.2203(a)(3)(ii)	50.73(a)(2)(iv)	73.71(c)
POWER LEVEL (10)	100	20.2203(a)(2)(i)		20.2203(a)(4)	50.73(a)(2)(v)	OTHER
		20.2203(a)(2)(ii)		50.36(c)(1)	50.73(a)(2)(vii)	(Specify in Abstract below and in Text, NRC Form 366A)
		20.2203(a)(2)(iii)		50.36(c)(2)	50.73(a)(2)(viii)(A)	
		20.2203(a)(2)(iv)	X	50.73(a)(2)(i)	50.73(a)(2)(viii)(B)	
		20.2203(a)(2)(v)		50.73(a)(2)(ii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME
Paul DiSalvo, Chemistry Department

TELEPHONE NUMBER (Include Area Code)
Ext. 2729 (815) 942-2920

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

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 15 single-spaced typewritten lines) (16)

When the 2/3 Chimney Noble Gas Monitor (SPING) is inoperable, a grab sample must be pulled every 8 hours using the backup General Electric sample system. Failure to pull this sample is a violation of Tech Spec Table 3.2.5. On 6/30/94, the Chemistry Technician failed to obtain a required sample from the 2/3 Chimney. The sample was obtained and analyzed by a Chemistry Technician on the following shift. The sample results were within the specified limits for radioactivity.

NRC FORM 366A (5-92)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95			
<p align="center">LICENSEE EVENT REPORT (LER) TEXT CONTINUATION</p>				ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.			
FACILITY NAME (1)		DOCKET NUMBER (2)		LER NUMBER (6)		PAGE (3)	
Dresden Nuclear Power Station, Unit 2		05000237		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 OF 4
				94	-- 019 --	00	

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

EVENT IDENTIFICATION:

2/3 Chimney Grab Sample not obtained within required time frame.

A. PLANT CONDITIONS PRIOR TO EVENT:

Unit: 2/3 Event Date: 6/30/94 Event Time: 0900
 Reactor Mode: 100% (0%) Mode Name: Run (Refuel) Power Level:
 Reactor Coolant System Pressure: 1000 psig (0 psig)

B. DESCRIPTION OF EVENT:

On 6/30/94 the 2/3 Chimney Noble Gas Monitor (SPING) was inoperable. In this situation, a grab sample must be pulled from the 2/3 Chimney using the General Electric sample system which is a backup to the SPING. This sample must be pulled once per 8 hour shift. Failure to pull this sample is a violation of Tech Spec Table 3.2.5, "Radioactive Gaseous Effluent Monitoring Instrumentation".

A 2/3 Chimney grab sample was required to be pulled before 0530 on 6/30/94. The Chemistry Technician on Shift 1 of 6/30/94 was informed of the sample requirement through a written turnover which he received from the technician on the previous shift.

Prior to beginning his sample collection rounds, the Chemistry Technician contacted the Shift Control Room Engineer (SCRE) to confirm what equipment was out of service that would require special sampling. The 2/3 Chimney Noble Gas Monitor (SPING) was not mentioned during this conversation.

Later in the shift, the Chemistry Technician called the SCRE to report the sample results that he had analyzed on his shift. The 2/3 Chimney Gas sample was not mentioned during the conversation.

The Shift 1 Chemistry Technician did not pull the 2/3 Chimney grab sample on 6/30/94 as he was required to.

At 0900 on 6/30/94, the Chemistry Supervisor could not find the sample results from the 2/3 Chimney. The Chemistry Supervisor telephoned the Shift 1 Chemistry Technician at home and asked him if he had pulled the sample. When it was confirmed that the sample had not been pulled, the Chemistry Supervisor directed a Chemistry Technician to pull the 2/3 Chimney sample.

The 2/3 Chimney gas sample was obtained at 0937 on 6/30/94. The sample was analyzed at 0945 on 6/30/94. The sample results were within specification.

C. CAUSE OF EVENT:

This report is being submitted in accordance with 10CFR50.73(a)(2)(i)(B) which requires the reporting of any operation or condition prohibited by the plant's Technical Specifications within 30 days of the event.

**LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION**

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)		PAGE (3)	
Dresden Nuclear Power Station, Unit 2	05000237	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	3 OF 4
		94	-- 019 --	00	

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

The root cause of the missed sample was inattention to detail by the Chemistry Technician. The technician missed an instruction on his shift turnover sheet which directed him to pull a grab sample from the 2/3 Chimney because the SPING was out of service.

A contributing factor to the missed sample was the fact that the SCRE did not mention the SPING was out of service when the Chemistry Technician spoke to him on the telephone regarding Tech Spec related chemistry samples.

The previous corrective action for a missed chemistry sample was a computerized tracking program for surveillances generated by Technical Specification LCO conditions. A personal computer was installed in the Control Room that generated an alarm when required samples were to be taken to meet Tech Spec requirements as a back up to the Chemistry Department. The computer became inoperative and was not repaired. At the time, it was not recognized by on-shift personnel that this was a corrective action to an LER 2 years previous, and thus A commitment to the NRC.

In place of the computer program it was decided to utilize the LCO Log as implemented by DAP 07-05, Operating Logs and Records. In conjunction with DAP 07-02, Conduct of Shift Operations, the LCO Log would be reviewed each shift as part of their shift turnovers by the Shift Engineer and the Shift Supervisors - Licensed. Also, Appendix A, Unit 2(3) Operator's Daily Surveillance Log, contains a Shift Supervisor sign off each shift for a review of the LCO Log. The Station believes that this constitutes an adequate tracking program for TECH SPEC LCO generated surveillances. (The last required sample due to a TECH SPEC LCO that was missed and not recognized by Operations Personnel was August 6, 1992.)

D. SAFETY ANALYSIS:

The failure to pull the 2/3 Chimney grab sample was a violation of Tech Spec Table 3.2.5, "Radioactive Gaseous Effluent Monitoring Instrumentation". The activity measured in the sample taken previous to the missed sample was less than the lower limit of detection of the laboratory instrumentation. The activity measured in the sample taken subsequent to the missed sample was also less than the lower limit of detection of the laboratory instrumentation. Based on these two samples, it is believed that there was no increase in the radioactivity of the 2/3 Chimney gas during the period of the missed sample.

E. CORRECTIVE ACTIONS:

After determining the 2/3 Chimney sample had not been pulled as required, the Chemistry Foreman immediately directed a Chemistry Technician to pull the sample.

Chemistry Management met with the technician and reviewed the event. The importance of good communication, complete turnover between shifts, and attention to detail were emphasized to the technician. The event was discussed with all of the chemistry technicians in a department meeting. Chemistry technicians are encouraged to make special indication on their turnover sheets when extra or out of normal sampling is required.

NRC FORM 366A (5-92)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95			
LICENSEE EVENT REPORT (LER) TEXT CONTINUATION				ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.			
FACILITY NAME (1)		DOCKET NUMBER (2)		LER NUMBER (6)		PAGE (3)	
Dresden Nuclear Power Station, Unit 2		05000237		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	4 OF 4
				94	-- 019 --	00	

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

The previous corrective action involving a computer program and alarm system was not effective in resolving the issue. The computer program and alarm system proved to be ineffective and was removed from the control room. We did not properly notify the NRC when the decision was made to remove the computer program and alarm system. The last occurrence of a missed chemistry sample was over two years ago. We believe this to be an isolated incident. Operations Personnel will be counseled as to their responsibilities in accordance with commitment tracking and Tech Spec LCO generated surveillances.

F. PREVIOUS OCCURRENCES:

<u>LER/Docket Numbers</u>	<u>Title</u>
2/3-91-22 91-3	River discharge composite sample for 9/2/91 to 10/3/91 not sent to vendor for analysis of Gross alpha, Fe-55, Sr-89, and Sr-90.
2/3-92-46 92-9	Reactor Bldg Vent SPING missed iodine sample, surveillance with SPING inoperable, due to procedure deficiency
3-92-99 92-18	Service Water Grab Sample not analyzed within required time frame.
2-92-27 92-151	Failure to Sample Reactor Water Due to Tech Spec Misinterpretation

G. COMPONENT FAILURE DATA:

N/A