

LICENSEE EVENT REPORT

**CONTROL BLOCK:**

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | 1 | L | L | S | C | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 0 | 4 | 5  
7 8 9 14 15 25 26 30 37 48 58  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T

0 1 | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 7 | 3 | 7 | 1 | 1 | 0 | 2 | 8 | 3 | 2 | 1 | 2 | 0 | 2 | 8 | 3 | 9  
2 3 60 61 68 69 74 75 80  
REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On 11/2/83 the Off Gas "A" hydrogen analyzer was observed to remain in the calibrate mode, failing proper automatic sampling sequence. The "B" analyzer was also inoperative. Tech. Spec. 3.3.7.11 Action Statement was entered and Rad/Chem was notified to collect grab samples for analysis. The reactor was in the RUN mode producing 1556 MWth, 484 MWE. The OG catalytic hydrogen recombiner operated as designed throughout the event.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE				
M	C	E		D		I	N	S	T	R	U	X	Z			
EVENT YEAR				SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE				REVISIONS NO.				
8	3			1	4	1	/	0	3	L		0				
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		PRIME COMP. SUPPLIER				
X	P	Z		Z		0	0	0	0	Y	N	N	G	O	8	0
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS																

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 During automatic sampling sequence of the Analyzers, low sample flow trips the high

1 1 vacuum switch which resets the calibration and purge timers. The analyzers then

1 2 start the automatic sequence again and trip on low sample flow again. The low flow

1 3 is caused by foreign debris entering the fine mesh inlet filters. Investigation is

1 4 underway to place a moisture/cyclone separator in the inlet line of the Analyzers.

8 9  
FACILITY STATUS (28) % POWER (29) OTHER STATUS (30) METHOD OF DISCOVERY (31) DISCOVERY DESCRIPTION (32)

1 5 B 0 4 7 NA A Observation

7 8 9 10 11 12 13 14 15 16 17 18 19 20

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 Z Z NA NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)

1 7 0 0 0 Z NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20

PERSONNEL INJURIES NUMBER DESCRIPTION (41)

1 8 0 0 0 NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)

1 9 Z NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20

PUBLICITY ISSUED DESCRIPTION (45)

2 0 N NA

7 8 9 10 11 12 13 14 15 16 17 18 19 20

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PDR ADDCK 05000373  
S PDR

NRC USE ONLY

58 59 60

NAME OF PREPARER R. W. Houston

PHONE: 815-357-6761

NRC USE ONLY

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PDR ADOCK 05000373  
S PDR

- I. LER NUMBER: 83-141/03L-0
- II. LASALLE COUNTY STATION: Unit 1
- III. DOCKET NUMBER: 050-373
- IV. EVENT DESCRIPTION:

On November 2, 1983, at 2330 hours the Off Gas "A" Hydrogen Analyzer was observed to remain in the calibrate mode, failing proper automatic sampling sequence. The Off Gas "B" Analyzer was also inoperable. Technical Specification 3.3.7.11 Action Statement 111 was entered and Rad/Chem was notified to collect grab samples for analysis. The Analyzers were entered into the Degraded Equipment Log, LAP 200-3, Attachment D.

V. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

At the time of the occurrence the Unit 1 reactor was in the RUN mode producing 1556 MWTh, 484 MWE. The Off Gas Catalytic Hydrogen Recombiner operated as designed throughout the event. Safe plant operation was maintained.

Previous reports written on the Analyzers were LER #82-104, 82-120, 82-147, 3-025, 83-035, and 83-062.

VI. CAUSE:

During the automatic sampling sequence of the Analyzers, low sample flow trips the high vacuum switch which resets the calibration and purge timers. The Analyzer then starts the automatic sequence again and trips on low sample flow again.

The low sample flow is caused by rust particulate and foreign debris entering and plugging the fine mesh inlet filters on the Analyzers.

The Analyzers are G.E. Model OGA 200AB.

VII. CORRECTIVE ACTION:

Nuclear Work Request #L29275 was written to repair the "A" Off Gas Analyzer. Work Requests #L28597 and L29178 were written on the "B" Analyzer.

The inlet sample lines have been air purged to remove foreign debris. The inlet filters have been cleaned also. Proper operation of the Analyzers will be verified (part of OG system startup procedure, LOP-OG-07) when the Off Gas System is started up, since proper analyzer flow can be obtained then.

Investigation is under way to add a moisture/cyclone separator to the inlet line of the Analyzers to eliminate the foreign debris entering the inlet filters. AIR #01-83-67113 will track this investigation.

Prepared by: R. W. Houston



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

DMB

December 2, 1983

James aG. Keppler  
Regional Administrator  
Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Sir:

Reportable Occurrence Report #83-141/03L-0 Docket #050-373 is being submitted to your office in accordance with LaSalle County Nuclear Power Station Technical Specification 6.6.B.2.(b), conditions leading to operation in a degraded mode permitted by a limiting condition for operation or plant shutdown required by a limiting condition for operation.

*G. J. Diederich*  
G. J. Diederich  
Superintendent  
LaSalle County Station

GJD/GW/rg

Enclosure

cc: Director of Inspection & Enforcement  
Director of Management Information & Program Control  
U.S. NRC Document Management Branch  
INPO-Records Center  
File/NRC

DEC -5 1983

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