

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | 1 | L | L | S | C | 1 | 2 | 0 | 1 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 0 | 0 | 0 | 4 | 5

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CONT
0 1 | REPORT SOURCE | L | 6 | 0 | 5 | 1 | 0 | 0 | 0 | 3 | 7 | 1 | 3 | 7 | 0 | 7 | 1 | 0 | 1 | 7 | 8 | 3 | 2 | 0 | 1 | 8 | 0 | 4 | 1 | 8 | 1 | 3 | 9

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | At 0650 on July 7, 1983, an auto trip of Div. 1 LPCS Water Leg Pump and LPCS Discharge

0 3 | Pressure Low Alarm were received. The associated breaker was reset and an attempt to

0 4 | restart the pump was initiated. It was noticed that the pump was "Trying to start"

0 5 | and the motor started smoking and the breaker tripped. The pump was declared inop.

0 6 | while EPCI "A" was kept filled and vented with CY water. Since the 3 LPCI loops of

0 7 | RHR and HPCS were operable, The ECCS systems were not compromised for safety.

0 8 |

0 9 |

SYSTEM CODE: S F 11
CAUSE CODE: E 12
CAUSE SUBCODE: B 13
COMPONENT CODE: P U M P X X 14
OCCURRENCE CODE: X 15
VALVE SUBCODE: Z 16
REVISION NO.: 0
SEQUENTIAL REPORT NO.: 0 8 0
EVENT YEAR: 8 3
LER/RO REPORT NUMBER: 17
ACTION TAKEN: A 18
FUTURE ACTION: Z 19
EFFECT ON PLANT: Z 20
SHUTDOWN METHOD: Z 21
HOURS: 0 0 0 0
ATTACHMENT SUBMITTED: Y 23
NPRD-4 FORM SUB: N 24
PRIME COMP. SUPPLIER: N 25
COMPONENT MANUFACTURER: X 9 9 9 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Investigation showed the pump to be frozen with the outboard bearing locked on the

1 1 | pump. The shaft, bearings, oil seals, and mechanical seal were replaced. The

1 2 | impeller clearance was set, coupling alignment performed, and the pump filled with oil.

1 3 | The motor was verified to be working properly by Electrical Maintenance.

1 4 |

1 5 | FACILITY STATUS: B 28, % POWER: 0 4 1 29, OTHER STATUS: NA 30, METHOD OF DISCOVERY: A 31, DISCOVERY DESCRIPTION: Observation 32

1 6 | ACTIVITY CONTENT RELEASED OF RELEASE: Z 33, AMOUNT OF ACTIVITY: NA 35, LOCATION OF RELEASE: NA 36

1 7 | PERSONNEL EXPOSURES NUMBER: 0 0 0 37, TYPE: Z 38, DESCRIPTION: NA 39

1 8 | PERSONNEL INJURIES NUMBER: 0 0 0 40, DESCRIPTION: NA 41

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z 42, DESCRIPTION: NA 43

2 0 | PUBLICITY ISSUED DESCRIPTION: N 44, DESCRIPTION: NA 45

NAME OF PREPARER Paul S. Watford

PHONE: 815-357/6761

NRC USE ONLY

- I. LER NUMBER: 83-080/03L-0
- II. LASALLE COUNTY STATION: Unit 1
- III. DOCKET NUMBER: 050-373
- IV. EVENT DESCRIPTION:

At 0650 on July 7, 1983, an auto trip of Division 1 LPCS Water Leg Pump and LPCS Discharge Pressure Low Alarm were received. This signal indicated failure of the water leg pump or improper valve lineup. Valve lineup was in the proper position. A G.E. Startup Test Engineer was at the water leg pump to verify pump startup. The associated breaker was reset and an attempt to restart the pump was initiated. It was noticed that the pump was "trying to start" and the motor started smoking, and the breaker tripped. This verified that there was a failure of the water leg pump. At 0750, the water leg pump was entered in the degraded equipment log while LPCI "A" was kept filled and vented with CY water.

V. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

At the time of the event, LaSalle Unit 1 was at 445 MWE with the Mode Switch in RUN. The water leg pump maintains discharge piping of both the Low Pressure Core Spray System and the RHR "A" system filled and pressurized. Technical Specification 3.5 states that in the Run, Start-up/Hot Standby, or Hot Shutdown modes of operation with the LPCS system inoperable and provided that ECCS Divisions 2 and 3 are operable, the LPCS system must be restored to operable status within seven days.

VI. CAUSE:

Investigation showed the pump to be frozen with the outboard bearing locked on the pump. The motor was found to be not damaged. This was the first occurrence of a LPCS Water Leg Pump failure. The manufacturer is Crane-Deming of Salem, Ohio.

VII. CORRECTIVE ACTION:

Work Request L25837 was written to investigate and repair the problem. The shaft, bearings, oil seals, and mechanical seal were replaced. The impeller clearance was set, coupling alignment performed, and the pump filled with oil. The motor was verified to be working properly by Electrical Maintenance. Work Request was completed on July 9, 1983. LOS-LP-Q1 was performed to verify proper pump operation; this was completed satisfactorily at 0338 on July 10, 1983.

Prepared by: Paul S. Watford



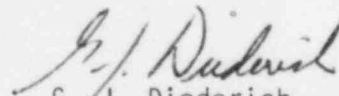
Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

August 4, 1983

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

Dear Sir:

Reportable Occurrence Report #83-08003L-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
Superintendent
LaSalle County Station

RHH/GW/bej

Enclosure

xc: Director of Inspection & Enforcement
Director of Management Information & Program Control
U. S. NRC Document Management Branch
Inpo-Records Center
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