

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
LaSalle County Station Unit 1

DOCKET NUMBER (2)
0 5 0 0 0 3 1 7 1 3

PAGE (3)
1 OF 0 1 3

TITLE (4)
RCIC Inoperable and Steam Line Isolation

| EVENT DATE (5) | | | LER NUMBER (6) | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | |
|----------------|-----|------|----------------|-------------------|---------------|-----------------|-----|------|-------------------------------|--|------------------|
| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | VISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | | DOCKET NUMBER(S) |
| 09 | 21 | 84 | 84 | 054 | 00 | 10 | 15 | 84 | None | | 0 5 0 0 0 0 |
| | | | | | | | | | | | 0 5 0 0 0 0 |

OPERATING MODE (8)
1

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50. (Check one or more of the following) (11)

| | | | | |
|-------------------|------------------|-------------------------------------|---------------------|--|
| 20.402(a) | 20.406(a) | <input checked="" type="checkbox"/> | 80.73(a)(2)(iv) | 73.71(b) |
| 20.405(a)(1)(i) | 80.36(a)(1) | <input checked="" type="checkbox"/> | 80.73(a)(2)(v) | 73.71(a) |
| 20.405(a)(1)(ii) | 80.36(a)(2) | | 80.73(a)(2)(vi) | OTHER (Specify in Abstract below and in Text, NRC Form 388A) |
| 20.405(a)(1)(iii) | 80.73(a)(2)(i) | | 80.73(a)(2)(vii)(A) | |
| 20.405(a)(1)(iv) | 80.73(a)(2)(ii) | | 80.73(a)(2)(vii)(B) | |
| 20.405(a)(1)(v) | 80.73(a)(2)(iii) | | 80.73(a)(2)(viii) | |

NAME
Dale Winterhoff, extension 575

LICENSEE CONTACT FOR THIS LER (12)

TELEPHONE NUMBER
AREA CODE: **811 5** NUMBER: **315 171 4617 611**

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NRC |
|-------|--------|-----------|--------------|-------------------|-------|--------|-----------|--------------|-------------------|
| X | BN | SIC IV | T11417 | Y | | | | | |

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)
MONTH: **02** DAY: **15** YEAR: **85**

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

On 9/21/84 at 1130 hours, during LOS-RI-Q3, the RCIC turbine tripped on mechanical overspeed condition.

Also, on 9/21/84 at 2005 hours, during IM troubleshooting, a RCIC Channel "A" steam line high flow isolation was received.

It was determined that the erratic governor movement and overspeed condition was caused by dirty and/or contaminated lubrication oil.

At the time of the event, LaSalle Unit 1 was in Operational Condition 1, Run Mode, at 25% power. Consequences were minimal due to the design of the RCIC system in accordance to Technical Specification 3.7.3 which requires HPCS to be operable and take corrective actions to restore RCIC within 14 days. Also, LPCS, RHR and ADS systems were operable.

Work Request L41160 was generated to initiate repairs. The RCIC oil system was drained, flushed and new duplex oil filters were installed and refilled with Mobil Vaprotex light. A sample was taken and sent to Station Materials Analysis Dept. (SMAD) for analysis. Action Item Record 1-84-67153 was generated to report the results and make future recommendations on RCIC oil replacement and/or samples. Surveillance LOS-RI-Q3 was resumed and completed satisfactorily.

8410290245 841015
PDR ADOCK 05000373
S PDR

JE22
111

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

| | | | | | | | |
|--|--|----------------|-------------------|-----------------|----------|----|-----|
| FACILITY NAME (1) LaSalle County Station Unit 1 | DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 | LER NUMBER (6) | | | PAGE (3) | | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
| | | 8 4 | - 0 5 4 | - 0 0 0 | 2 | OF | 9 3 |

TEXT (If more space is required, use additional NRC Form 306A's) (17)

I. EVENT DESCRIPTION

On September 21, 1984, at 1130 hours, during the performance of Operating Surveillance LOS-RI-Q3, Reactor Core Isolation Cooling (RCIC, BN) Pump Operability and Valve Inservice Inspection, the RCIC turbine tripped on a mechanical overspeed condition.

Also, on September 21, 1984, at 2005 hours, during another start of the RCIC pump while the Instrument Maintenance Department was attempting to observe the RCIC turbine governor operation by a manual movement of the Servo valve, a RCIC Channel "A" steam line high flow isolation was received. When holding the Servo valve closed, the RCIC turbine ran correctly and did not go to an overspeed condition. But as soon as the Servo valve was released, the governor failed open, causing the high steam flow isolation. Operations reset the RCIC isolation and work was continued.

II. CAUSE

It was determined by the Instrument Maintenance Department that the RCIC turbine overspeed condition and erratic governor movement was caused by dirty and/or contaminated lubrication oil.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the event, LaSalle Unit 1 was in Operational Condition 1, Run Mode, generating at 24% power. Consequences of this event were minimized by adherence to Technical Specification 3.7.3, which requires the High Pressure Core Spray System (BG, HPCS) to be operable and to initiate corrective actions to restore RCIC within 14 days. Also, during this event, LPCS (BM), RHR (BO) and ADS (SB) systems were operable. Safe operation of the Plant was maintained at all times.

IV. CORRECTIVE ACTIONS

When the RCIC turbine tripped on an overspeed condition, operations generated Work Request L41160 which was assigned to the Instrument Maintenance Department. They conducted their investigation by examining the RCIC turbine governor. During this troubleshooting they discovered that the prefilter which supplies oil to the governor actuator was "clogged" with a foreign particulate. The Mechanical Maintenance Department was requested to flush the RCIC oil system, install two new Duplex oil filters and refill the oil system with Mobile Vaprotec light (i.e., original oil specified). A sample of oil was taken from the replaced Duplex filters and sent to Station Materials Analysis Department (SMAD) for analysis. Action Item Record #1-84-67153 was initiated and a supplemental report will be issued to report the conclusions of the SMAD analysis and to make recommendations from that report as to the type of oil used, and replacement period and/or sample period of the RCIC oil. RCIC was declared OPERABLE on September 23, 1984, at 1445 hours. Operating Surveillance LOS-RI-Q3 was resumed and completed satisfactorily.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

| | | | | | | | |
|--|--|----------------|-------------------|-----------------|----------|----|-------|
| FACILITY NAME (1) LaSalle County Station Unit 1 | DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 | LER NUMBER (8) | | | PAGE (3) | | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
| | | 8 4 | - 0 5 4 | - 0 1 0 | 0 3 | OF | 0 3 |

TEXT (If more space is required, use additional NRC Form 305A's) (17)

V. PREVIOUS OCCURRENCES

None have been reported to date.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Dale Winterhoff, 815/357-6761, extension 575.



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

October 15, 1984

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

Dear Sir:

Reportable Occurrence Report #84-054-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

G. J. Diederich 10/17/84
G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

xc: NRC, Regional Director
INPO-Records Center
File/NRC

LE22
11