NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

# LICENSEE EVENT REPORT (LER)

| FACILITY NAME (1) | DOCKET NUMBER (2) | PAGE (3) |
|---|---|---|
| Quad-Cities Nuclear Power Station, Unit 2 | 0 5 0 0 0 2 6 5 | 1 OF 0 3 |

TITLE (4)

Unit 2 Reactor Scram and Late Notification of Scram

| 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) |
| | | | | | | | | | NA | 0 5 0 0 0 |
| 0 3 | 2 8 | 8 5 | 8 5 | 0 1 0 | 0 0 | 0 4 | 2 4 | 8 5 | | 0 5 0 0 0 |

| OPERATING MODE (9) | 1 | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11) | | | |
|---|---|---|---|---|---|
| POWER LEVEL (10) | 0 0 0 | 20.402(b) | 20.405(c) | X 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, NRC Form 366A) |
| | | 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 | TELEPHONE NUMBER |
|---|---|
| | AREA CODE |
| Erich B. Weinfurter, Technical Staff Engineer | 3 0 9 6 5 4 - 2 2 4 1 |

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 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| D | I L | M O N | G 0 8 0 | 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 March 28, 1985, Unit Two was in the SHUTDOWN mode for the End of Cycle Seven Refueling and Maintenance Outage. At 1515 hours, and at 1520 hours, a Reactor scram signal was initiated by a Main Steam Line High Radiation (IL) signal. The scrams were immediately reset.

The Main Steam Line High Radiation signal was caused by radiography that was being performed near the Main Steam Line Radiation Monitors. The Shift Engineer believed these scrams were part of a "pre-planned" sequence of events because he had received prior notification that the radiography was about to take place. The four hour notification to the Nuclear Regulatory Commission was, therefore, not made until 18 hours, 6 minutes, after the first scram. This report is being submitted pursuant to the requirements of 10 CFR 50.73(a)(2)(iv).




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

Event Description

On March 28, 1985, Unit Two was in the SHUTDOWN mode for the End of Cycle Seven Refueling and Maintenance Outage. At 1515 hours a Reactor scram signal was initiated by Main Steam Line High Radiation (IL), which trips when radiation levels in the Main Steam Isolation Valve (MSIV) room reaches 7 times normal levels. The Nuclear Station Operator was able to immediately reset the scram signal. At 1520 hours a second Reactor scram signal was initiated by a Main Steam Line High Radiation signal. This signal also immediately reset. An investigation by the Operating Department determined the scrams to be caused by radiographs being performed in the vicinity of the Main Steam Line Radiation detectors. These scrams were considered "pre-planned", as the Shift Engineer had been given prior notification of radiographs that were about to be performed in the MSIV room.

On March 29, 1985, the two scrams of the previous day were discussed with the NRC Resident Inspector. At this time the Resident Inspector informed the Station that a formal procedure was necessary for the scrams to be considered as a "pre-planned sequence". The NRC is required to be notified within 4 hours of any scram which is not a "pre-planned sequence". At 0921 hours the NRC was notified via the ENS System of the two scrams of the previous day. This notification exceeded the 4 hour time period of 10 CFR 50.72(b)(2)(ii).

This report is submitted because of the unplanned actuation of the Reactor Protection System and failure to notify the NRC within the allotted time period, pursuant to the requirements of 10 CFR 50.73(a)-(2)(iv).

Cause

The cause of this occurrence was procedural inadequacy. Prior to this, there was no formal procedure written to delineate the notification by the radiographer of his intention to perform x-ray operations in the plant. The notification made to the Shift Engineer, without a formal procedure, was considered by the Operating personnel as constituting a "pre-planned sequence", and therefore did not require the 4 hour notification. As a result, notification was not made until 18 hours, 6 minutes after the first scram.

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

Corrective Action

Since the Reactor Protection System had operated as designed when a valid high radiation level was present in the MSIV room, no immediate corrective action was required. To prevent future occurrences of this type, a procedure was written to document the steps taken by the radiographer, Shift Engineer, and Radiation Protection Foreman prior to radiograph operations in the plant. This will make any future occurrences of this type a "pre-planned sequence" which will not require NRC notification per 10 CFR 50.72(b)(2)(ii).

**Commonwealth Edison**
Quad Cities Nuclear Power Station
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NJK-85-119

April 24, 1985

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

Reference: Quad-Cities Nuclear Power Station
Docket Number 50-265, DPR-30, Unit Two

Enclosed please find Licensee Event Report (LER) 85-10, Revision 00, for Quad-Cities Nuclear Power Station.

This report is submitted to you in accordance with the requirements of the Code of Federal Regulations, Title 10, Part 50.73(a)(2)-(iv), which requires the reporting of any event or condition that resulted in manual or automatic actuation of any Engineered Safety Feature.

Respectfully,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
Station Manager

NJK:BRS/bb

Enclosure

cc B. Rybak
A. Madison
INPO Records Center
NRC Region III

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