



Commonwealth Edison
Quad-Cities Nuclear Power Station
Post Office Box 216
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Telephone 309/654-2241

NJK-75-277

May 15, 1975

Director of Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

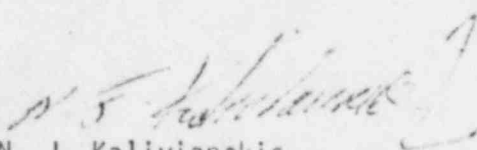
Reference: Quad-Cities Nuclear Power Station
Docket No. 50-254, DPR 29
Appendix A, Sections 3.5.E.1, 6.6.B.1.a

Enclosed please find Abnormal Occurrence Report No. AO 50-254/75-12 for Quad-Cities Nuclear Power Station. This occurrence was previously reported to Region III, Directorate of Regulatory Operations by telephone on May 8, 1975 and to you and Region III, Directorate of Regulatory Operations by telecopy on May 8, 1975.

This report is submitted to you in accordance with the requirements of Technical Specification 6.6.B.1.a.

Very truly yours,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION


N. J. Kalivianakis
Station Superintendent

NJK/LM/lk

cc: Region III, Directorate of Regulatory Operations
J. S. Abel

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REPORT NUMBER: AO 50-254/75-12

REPORT DATE: May 15, 1975

OCCURRENCE DATE: May 5, 1975

FACILITY: Quad-Cities Nuclear Power Station
Cordova, Illinois 61242

IDENTIFICATION OF OCCURRENCE:

Unit 1 RCIC system inoperable.

CONDITIONS PRIOR TO OCCURRENCE:

Unit 1 was in the run mode at a core thermal power of 1291 MW and an electrical output of 393 MW.

DESCRIPTION OF OCCURRENCE:

During the monthly surveillance test of the RCIC system, on May 5, 1975 at 5:37 p.m., the RCIC condensate pump was observed to have a high amp reading. The pump was taken out of service to be inspected and repaired, thus rendering the RCIC system inoperable.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Equipment Failure

The apparent cause of this occurrence is designated as equipment failure. The equipment failure was caused by defective motor windings that malfunctioned causing a high pump amp reading and in turn rendering the RCIC condensate pump motor inoperable.

ANALYSIS OF OCCURRENCE:

The RCIC system was inoperable when the RCIC condensate pump motor failed. During the period of the RCIC system inoperability, the HPCI system was tested daily to insure its operability. This testing insured the ability to safely shutdown and cooldown the reactor. Thus the health and safety of the public were not jeopardized by this occurrence.

May 15, 1975

CORRECTIVE ACTION:

The RCIC condensate pump motor was tagged out of service and a work request (1625-75) was initiated to inspect and repair the malfunctioning motor. The motor was sent to the General Electric maintenance shop in Bettendorf, Iowa for repairs. There the motor windings were rewound. The rewinding included using a higher grade of insulated wire than that required to be in the motor. The motor was re-installed and returned to service on May 8, 1975 at 7:00 p.m. The RCIC system was subsequently tested satisfactorily.

FAILURE DATA:

No similar occurrences have occurred in the past. There are thus no safety implications based on cumulative experience related to this occurrence.