



Commonwealth Edison
Quad-Cities Generating Station
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NJK-75-299

May 30, 1975



Directorate of Office of Nuclear Reactor Regulation
U. S. NUCLEAR REGULATORY COMMISSION
Washington, D. C. 20555

REFERENCE: Quad-Cities Nuclear Power Station
Docket No. 50-265, DPR-30, Unit 2
Appendix A, Sections 1.0.A.5, 3.7.A.2, 6.6.B.1.a

Enclosed please find Abnormal Occurrence Report No. A0-50-265/75-19 for Quad-Cities Nuclear Power Station. This occurrence was previously reported to Region III, Directorate of Regulatory Operations by telephone on May 24, 1975 and to you and Region III, Directorate of Regulatory Operations by telecopy on May 24, 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:TLS/dkp

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

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REPORT NUMBER: AO-50-265/75-19

REPORT DATE: May 30, 1975

OCCURRENCE DATE: May 23, 1975

FACILITY: Quad Cities Nuclear Power Station
Cordova, Illinois 62142

IDENTIFICATION OF OCCURRENCE:

Clean up system pipe weld break Unit Two.

CONDITIONS PRIOR TO OCCURRENCE:

Run mode at 712 MWe.

DESCRIPTION OF OCCURRENCE:

On May 22, 1975 the reactor building vent system air activity increased significantly. This led the rad-chem department to suspect a system leak somewhere within the reactor building. On May 23, at 8:30PM, an operator making rounds in search of a steam leak found steam issuing from a pipe in the clean up heat exchange room. At 9:30PM, the leak was isolated and identified as a 3/4" test connection (PX) weld from the 3/4" line to the weld-o-let on the 4" line (2-1205-4"A) between the 2-1201-80 and 2-1201-82 valves.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Equipment Failure: A vibration stressed weld is designated the apparent cause of the occurrence. The weld failure occurred as a crack in the heat effected zone.

ANALYSIS OF OCCURRENCE:

Since the leak was isolated upon its discovery, a minimum amount of radioactive contamination was released from the clean up heat exchange room. The reactor building vent stack technical specification limits were not exceeded. Therefore the health and safety of the public were not affected by this occurrence.

CORRECTIVE ACTION:

The test (PX) connection was removed to the affected weld at the weld-o-let and a weld plug was installed. The line will be replaced in the future as necessary to facilitate leak rate testing.

FAILURE DATA:

Test connection (PX) line weld failures have not occurred previously in this system. Therefore, there are no safety implications from cumulative experience related to this occurrence.