



Commonwealth Edison
Quad-Cities Nuclear Power Station
Post Office Box 216
Cordova, Illinois 61242
Telephone 309/654-2241

NJK-76-139

April 13, 1976

J. Keppler, Regional Director
Office of Inspection and Enforcement
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137



Reference: Quad-Cities Nuclear Power Station
Docket No. 50-254, DPR-29, Unit 1
Appendix A, Sections 3.7.D.4, 6.6.B.2.b

Enclosed please find Reportable Occurrence Report No. RO 50-254/76-11 for Quad-Cities Nuclear Power Station.

This report is submitted to you in accordance with the requirements of Technical Specification 6.6.B.2.

Very truly yours,

COMMONWEALTH EDISON COMPANY
QUAD-CITIES NUCLEAR POWER STATION

N. J. Kalivianakis
Station Superintendent

NJK/JWS/1k

cc: G. A. Abrell

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8306130217 760413
PDR ADOCK 05000254
S PDR

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EVENT TYPE	DATE	TIME	LOCATION	STATUS
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2	10/10/2010	10:00	101	OK
3	10/10/2010	10:00	101	OK
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70	10/10/2010	10:00	10	

GPO 881-667

REPORT NUMBER: RO 50-254/76-11

REPORT DATE: April 13, 1976

OCCURRENCE DATE: March 14, 1976

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

IDENTIFICATION OF OCCURRENCE:

Main Steam Isolation Valve, A0-1-203-2D, had a high pilot valve temperature.

CONDITIONS PRIOR TO OCCURRENCE:

Unit One was in the RUN mode at 672 MWt and 200 MWe.

DESCRIPTION OF OCCURRENCE:

On March 14, 1976, at 9:30 a.m. the pilot valve of A0-1-203-2D reached a temperature of 153°F. Upon investigation it was found that the MSIV room cooler fans had been shut off.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Procedural Deficiency

The coolers were started during the pre-startup preparation of the Unit. Sometime later the coolers were turned off without the Shift Engineer being informed. The pre-startup check-off list should include a step which would require verification that a Caution Card is on the MSIV room cooler control switches. This Caution Card should require contacting the Shift Engineer before shutting off the MSIV room coolers.

ANALYSIS OF OCCURRENCE:

The Technical Specifications allow operation of the reactor for seven days with an MSIV temperature greater than 150°F. Also, the pilot valves that were in use at the time the Technical Specifications were written have been replaced with pilot valves designed to operate at temperatures up to 300°F. Taking these two facts into consideration and considering the pilot valve only exceeded the 150°F limit for a few hours, the safety implications are minimal. There was no effect on the health and safety of the public or plant personnel as a result of this occurrence.

CORRECTIVE ACTION:

When the pilot valve high temperature was detected, an operator was sent to the MSIV room to investigate. He found the coolers off and immediately started them. As soon as the coolers were started, the temperatures began to decrease. By 1:30 p.m. the average temperature of the MSIV pilot solenoids was 112°F.

To avoid reoccurrence the above mentioned Caution Cards have been placed on the MSIV room cooler control switches and a procedural change has been submitted to add the verification to the checklist. Additionally, a plant modification is being processed which will move these control switches to a location where they can be more readily observed. Also, a Technical Specification Change request is being processed which will raise the limiting temperature based on the new design equipment that has been installed.

FAILURE DATA:

The MSIV pilot solenoid temperatures have exceeded 150°F in the past, however, this is the first time due to the inadvertent shutting off of the MSIV room coolers. Pilot solenoids have been installed which are designed to be operable at temperatures to 300°F; therefore, based on the new design and the Technical Specification change being requested, further occurrences of this type should be minimized.