



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



NJK-75-21

January 9, 1975

Mr. John F. O'Leary, Director
Directorate of Licensing Regulation
U. S. ATOMIC ENERGY COMMISSION
Washington, D. C. 20545

REFERENCE: QUAD-CITIES NUCLEAR POWER STATION
Docket No. 50-265, DPR-30
Appendix A, Sections 1.0.A.2, 3.2.A, and 6.6.B.1.a.

Dear Mr. O'Leary:

Enclosed please find Abnormal Occurrence Report No. 50-265/74-31 for Quad-Cities Nuclear Power Station. This occurrence was previously reported to Region III, Directorate of Regulatory Operations by telephone on December 30, 1974 and to you and Region III, Directorate of Regulatory Operations by telecopy on December 30, 1974.

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:RAR/dkp

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

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PDR ADCK 05C00265
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REPORT NUMBER: AO-50-265/74-31

REPORT DATE: January 9, 1975

OCCURRENCE DATE: December 30, 1974

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

IDENTIFICATION OF OCCURRENCE:

The setpoint of TS-2-261-17C, in the Primary Containment Isolation System, was found to exceed its Technical Specification limit.

CONDITIONS PRIOR TO THE OCCURRENCE:

The unit was in cold shutdown for a refueling outage.

DESCRIPTION OF OCCURRENCE:

On December 30, 1974 at 1100 hours, while doing routine REFUELING OUTAGE surveillance, TS-2-261-17C was found to trip at 222°F. This was in violation of Technical Specification 3.2.A. No operator actions were needed to bring the situation under control.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Other - Instrument Drift

The apparent cause of this occurrence is instrument drift. The switch was replaced in June of 1974, along with the other fifteen switches, because of moisture problems in the conduits. These problems have since been corrected. The "as-left" value at that time was 182°F.

ANALYSIS OF OCCURRENCE:

Each Primary Containment Isolation sub-channel has four of the temperature switches wired in series. Since all setpoints of the other switches were within limits the system would have functioned as designed if needed. Therefore, there are no safety implications resulting from this occurrence.

CORRECTIVE ACTION:

The switch was recalibrated and installed back into the system. All switches were functionally tested satisfactorily. The use of alternate suppliers for these temperature switches is being evaluated.

FAILURE DATA:

Equipment Piece Number	TS-2-261-17C
Manufacturer	Fennal
Model	17002-40
Range	-100°F to +200°F
	Open on increasing temperature

Failures of the similar switches for Unit 1 were discovered during its refueling outage and are listed below for reference.

<u>DATE</u>	<u>EPN</u>	<u>"AS FOUND" SETPOINT</u>
4-15-74	1-261-15A	216
	-16A	204
	-17A	215
	-18A	214
	-15B	212
	-16B	211
	-17B	213
	-18B	208
	-15C	211
	-18C	216
	-15D	213
	-16D	206
	-17D	212
	-18D	212