

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME														LICENSE NUMBER												LICENSE TYPE						EVENT TYPE											
01 I L Q A D Z														00-000000-00												411111						01											
7 8 9 14														15 25												26 30						31 32											
01 CONT														CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER												EVENT DATE						REPORT DATE					
01														01		T		L		050-0265												0813075						0909175					
7 8 9 57 58														59		60		61 68 69												74 75						80							

EVENT DESCRIPTION

02 THE HPCI SYSTEM WAS FOUND INOPERABLE DURING SURVEILLANCE																																																																																80
03 TESTING AS REQUIRED BY TECHNICAL SPECIFICATIONS WHEN RPIC IS																																																																																80
04 INOPERABLE. THE AUTO BLOWDOWN SYSTEM, CORE SPRAY, AND LPCI																																																																																80
05 SYSTEMS WERE STILL AVAILABLE FOR CORE COOLING.																																																																																80
06																																																																																80

SYSTEM CODE										CAUSE CODE		COMPONENT CODE										PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER										VIOLATION	
07 SIF										E		PII PLEX										N		Z19191										N	
7 8 9 10										11		12 17										43		44 47										48	

CAUSE DESCRIPTION

08 THE HPCI SYSTEM WAS INOPERABLE DUE TO A BREAK IN THE HIGH																																																																																80
09 PRESSURE OIL DISCHARGE LINE. THE LINE WAS REPLACED AND																																																																																80
10 THE HPCI SYSTEM RETESTED AND ^{PROVEN} FOUND OPERABLE.																																																																																80

FACILITY STATUS										% POWER										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION									
11 E										062										N.A.										B										LNA									
7 8 9										10 12 13										44 45 46										80																			

FORM OF ACTIVITY RELEASED										CONTENT OF RELEASE										AMOUNT OF ACTIVITY										LOCATION OF RELEASE									
12 Z										Z										LNA										LNA									
7 8 9										10 11										44 45										80									

PERSONNEL EXPOSURES

NUMBER										TYPE										DESCRIPTION									
13 000										Z										LNA									
7 8 9 11										12 13										80									

PERSONNEL INJURIES

NUMBER										DESCRIPTION									
14 000										LNA									
7 8 9 11										12 80									

OFFSITE CONSEQUENCES

15 LNA																																																																																80
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LOSS OR DAMAGE TO FACILITY

TYPE										DESCRIPTION									
16 Z										LNA									
7 8 9 10										80									

PUBLICITY

17 LNA																																																																																80
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PDR ADOCK 05000265
S PDR

ADDITIONAL FACTORS

18 REVENT DESCRIPTION CONT'D) LETTER SUGGESTING THE FLEXIBLE PIPE																																																																																80
19 BE REPAIRED WITH RIGID PIPING. (AO-50-265/75-35)																																																																																80

NAME: Thomas P. Joyce

PHONE: 309-654-2241

REPORT NUMBER: AO 50-265/75-35

REPORT DATE: September 9, 1975

OCCURRENCE DATE: August 30, 1975

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

IDENTIFICATION OF OCCURRENCE:

Unit two high pressure coolant injection (HPCI) system inoperable.

CONDITIONS PRIOR TO OCCURRENCE:

Unit two was in the run mode at a steady state power of 1560 MW_T and a load of 506 MWe.

DESCRIPTION OF OCCURRENCE:

At 9:30PM on August 30, 1975, while testing the HPCI system due to a failure of the Reactor Core Isolation Cooling (RCIC) System, it was discovered that the HPCI system was also inoperable. The auxiliary oil pump kept tripping and the HPCI turbine would not start.

Since the RCIC system was also inoperable, an orderly shutdown of the unit was initiated at 10:30PM on August 30, 1975, in accordance with Technical Specification 3.5.C.3.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Equipment Failure - The flexible oil line inside the oil storage tank for the high pressure oil discharge is enclosed in a wire mesh to increase its strength. Both the wire mesh and the flexible line broke, causing the Auxiliary Lube Oil Pump to trip.

ANALYSIS OF OCCURRENCE:

The HPCI system is one of four Emergency Core Cooling Systems (ECCS). These systems are designed to provide emergency cooling water to the core over a complete spectrum of line breaks. For large line breaks the HPCI system is not required due to the fact that the reactor vessel will depressurize in approximately 30 seconds and allow the Low Pressure Coolant Injection (LPCI) system to inject water into the vessel. For intermediate and small breaks a combination of the Auto-Blowdown and Core Spray or LPCI will provide emergency cooling water to the core. Since the low pressure systems were operable, and since a unit shutdown was initiated because the RCIC system was also inoperable, the safety implications of this occurrence are minimal.

There was no immediate danger to plant personnel and no release of radiation to the environs as a result of this occurrence, therefore there was no effect on the health and safety of the public.

CORRECTIVE ACTION:

The broken oil line was replaced with the same type of line. The HPCI system was returned to service and successfully tested on September 5, 1975.

The General Electric Company was notified of the failure and have indicated they will investigate the problem and recommend any future repairs needed to preclude recurrence of this failure.

FAILURE DATA:

Since this is the first failure of this type there are no safety implications based on cumulative experience.



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

NJK-75-456

September 9, 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. 50-265, DPR-30, Unit 2
Appendix A, Sections 1.0.A.4, 3.5.C.1, 3.5.C.3, 6.6.B.1.a

Enclosed please find Abnormal Occurrence Report No. 50-265/75-35 for Quad-Cities Nuclear Power Station. This occurrence was previously reported to Region III, Office of Inspection and Enforcement by telephone on August 30, 1975 and to you and Region III, Office of Inspection and Enforcement by telecopy on August 31, 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/TPJ/vmb

cc: Region III, Office of Inspection and Enforcement
G. A. Abrell

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COPY SENT REGION III