



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

NJK-76-122

April 2, 1976

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



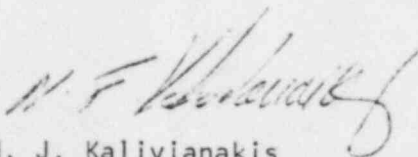
Reference: Quad-Cities Nuclear Power Station
Docket No. 50-254, DPR-29, Unit 1
Appendix A, Section 3.7.C.1, 6.6.B.2.d

Enclosed please find Reportable Occurrence Report No. RO 50-254/76-10 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/GES/1k

cc: G. A. Abrell

4:90

8306130234 760402
PDR ADOCK 05000254
S PDR

CONTROL BLOCK:

1 6

LICENSEE
NAME

LICENSE NUMBER

LICENSE
TYPE

EVENT
TYPE

NAME					LICENSE NUMBER								TYPE					TYPE						
01	I	L	Q	A	D	I	0	0	-	0	0	0	0	-	0	0	4	1	1	1	1	0	3	
7	8	9			14	15										25	26					30	31	32

01		CON'T		CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER				EVENT DATE				REPORT DATE							
7	8	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
				L	L	0	5	0	-	0	2	5	4	0	3	0	5	7	6	0	4	0	2	7	6

02 WHEN PERSONNEL ENTERED THE UNIT ONE INTERLOCK FROM THE REACTOR
03 BUILDING, THE INTERLOCK DOOR AT THE TURBINE BUILDING END OF THE
04 INTERLOCK OPENED, BREAKING THE INTERLOCK. A MODIFICATION
05 IS BEING PROCESSED, WHICH UPON COMPLETION, SHOULD
06 ALLEVIATE THE PROBLEM.

SYSTEM CODE		CAUSE CODE	COMPONENT CODE						PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER				VIOLATION		
07	S A	E	X	X	X	X	X	X	A	X	9	9	9	N		
7	8	9	10	11	12	13	14	15	16	17	43	44	45	46	47	48

08	EQUIPMENT FAILURE: DEFECTIVE LATCH AND FRAME.	80
09	IMMEDIATE REPAIR WAS INITIATED UNDER WORK	80
10	REQUEST # 902-76.	80

11	FACILITY STATUS		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80	
11	H		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80	
12	Z		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80	
12	Z		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80	

NUMBER				TYPE	DESCRIPTION
13	000			2	NA

NUMBER				DESCRIPTION
1	4	0	0	0 NA

15	NA
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TYPE	DESCRIPTION
16	NA

17	NA
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89 EVENT DESCRIPTION CONTINUED: THE INTERLOCK MEANWHILE

19 HAS BEEN REPAIRED. (3050-254/76.10)

NAME: GEORGE STARK PHONE: 319-654-2241

REPORT NUMBER: R.O. 50-254/76-10

REPORT DATE: April 2, 1976

OCCURRENCE DATE: March 5, 1976

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

IDENTIFICATION OF OCCURRENCE:

Unit 1 Turbine Building to Reactor Building door interlock system failed and thus allowed both doors to be open simultaneously.

CONDITIONS PRIOR TO OCCURRENCE:

Unit 1 was in the SHUTDOWN mode for refueling.

DESCRIPTION OF OCCURRENCE:

At 11:10 p.m. on March 5, 1976, while exiting the Unit 1 Reactor Building through the interlock system to reach the Unit 1 Turbine Building, upon opening the interlock door at the Reactor Building end of the interlock, the interlock door at the Turbine Building end opened indicating a failure of the door interlock system.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Equipment Failure

The cause of the interlock door failure was determined to be a defective latch and frame.

ANALYSIS OF OCCURRENCE:

Although the interlock was inoperable, secondary containment was maintained except for the brief period both doors were open when the failure was detected. Prompt notification of the failure and prompt corrective action resulted in timely repair. Thus, there was no effect on the health and safety of the public.

CORRECTIVE ACTION:

Immediate corrective action was taken to correct the problem in the form of repairs to the latch and frame of the failed door. This work is documented by Work Request Number 902-76.

A revision to the design of these interlock doors has been in progress by the Station Nuclear Engineering Department. This new design door should provide more durability and serve to minimize this problem in the future.

FAILURE DATA:

Interlock door failures of this type have occurred previously at Quad-Cities Station. Periodic maintenance is expected due to the high usage of these Reactor Building access doors. The above described modification should alleviate these failures in the future.