

1	2	3	4	5	6	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	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	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	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	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	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	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	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	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	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	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	81	82	83	84	85
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

REPORT SOURCE L 6 0 5 0 0 0 3 7 1 3 7 0 6 0 6 8 3 2 0 7 0 5 8 1 3 9

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On June 6, 1983 Unit One was operating at 1435 MWt (44% power) when an indication of high vibration on the main turbine caused a turbine trip and scram. After the scram, reactor recirculation breaker 4B was in the closed position though it should have opened on the EOC-RPT.

0	6
---	---

07

0	8
---	---

[illegible]

0 9 10 11 12 13 14 15 16

(17) **REP/RO**  
**NUMBER**

**EVENT YEAR**  
 8 3  
 21 22

**REPORT NO.**  
 0 6 0  
 24 25 26

**CODE**  
 0 3  
 28 29

**TYPE**  
 L  
 30

**NO.**  
 0  
 32

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS					ATTACHMENT SUBMITTED		NPRD-4 FORM SUBL.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER				
X			Z	Z		Z		0	0	0	0	Y		N		N		1	0	0	5		
23	18	34	19	35	20	36	21	37			40	41	22	42	24	43	25	44			47		

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 RR Pump B breaker 3B opened but redundant breaker 4B did not. The cause of the

11 | failure to open could not be determined. The breaker was tested satisfactorily

1 2 4 times and the logic was also tested satisfactorily. On 14 June 1983, the Main

13 | turbine tripped at High Power and the 4B breaker functioned correctly.

\_\_\_\_\_

1	4	
---	---	--

FACILITY STATUS (28) 1 5 B 0 12 13 44  
% POWER (29) 0 4 1 NA  
OTHER STATUS (30)  
METHOD OF DISCOVERY (31) A 45 46  
DISCOVERY DESCRIPTION (32) Observation

ACTIVITY CONTENT RELEASED OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)

1 6 Z 33 Z 34 NA NA

PERSONNEL EXPOSURES		
NUMBER	TYPE	DESCRIPTION (39)
10	7	NA

7 8 9 11 12 13

PERSONNEL INJURIES

TI 22

PERSONNEL INJURED		DESCRIPTION (41)	NA
NUMBER			
1	1		
2	2		
3	3		
4	4		
5	5		
6	6		
7	7		
8	8		
9	9		
10	10		
11	11		
12	12		
13	13		
14	14		
15	15		
16	16		
17	17		
18	18		
19	19		
20	20		
21	21		
22	22		
23	23		
24	24		
25	25		
26	26		
27	27		
28	28		
29	29		
30	30		
31	31		
32	32		
33	33		
34	34		
35	35		
36	36		
37	37		
38	38		
39	39		
40	40		
41	41		
42	42		
43	43		
44	44		
45	45		
46	46		
47	47		
48	48		
49	49		
50	50		
51	51		
52	52		
53	53		
54	54		
55	55		
56	56		
57	57		
58	58		
59	59		
60	60		
61	61		
62	62		
63	63		
64	64		
65	65		
66	66		
67	67		
68	68		
69	69		
70	70		
71	71		
72	72		
73	73		
74	74		
75	75		
76	76		
77	77		
78	78		
79	79		
80	80		
81	81		
82	82		
83	83		
84	84		
85	85		
86	86		
87	87		
88	88		
89	89		
90	90		
91	91		
92	92		
93	93		
94	94		
95	95		
96	96		
97	97		
98	98		
99	99		
100	100		

1	8	0	0	0	40	NA	
7	8	9		11	12		8

LOSS OF OR DAMAGE TO FACILITY		(43)
TYPE	DESCRIPTION	

1	9	Z	42	NA
7	8	9	10	

PUBLICITY (45) 8307110488 830705 NRC USE ONLY  
ISSUED DESCRIPTION PDR ADPOCK 05000373

2 0 N 44 S PDR 68 69 8

NAME OF PREPARER J. C. Renwick PHONE: (815) 357-6761 x 243

NAME OF PREPARER J. C. Renwick

PHONE: (815) 357-6761 x 243

I. LER NUMBER: 83-060/03L-0

II. LASALLE COUNTY STATION: Unit 1

III. DOCKET NUMBER: 050-373

IV. EVENT DESCRIPTION:

On 6 June 1983 with Unit 1 at 1435 MW thermal and 443 MW electric, the main turbine tripped due to a spurious electrical spike on the number 8 bearing. The reactor scrammed promptly on Turbine Stop Valve Closure Signal EOC-RPT functioned to shift the RR pumps to slow speed. The 4B breaker to RR Pump B did not open as did the 3B breaker. RR Pump A breakers 3A and 4A did open promptly.

V. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

Reactor Power and Pressure followed expected trends on a turbine trip at high power. EOC-RPT did go to completion by means of the 3A, 4A and 3B opening. Breaker 4B which is redundant to the 3B breaker was tripped from the control room. The plant was maintained in a safe condition at all times and the health and safety of the public was not affected.

VI. CAUSE:

The exact cause of the failure of the 4B breaker to open could not be determined. The EOC-RPT logic did function properly because the 3A breaker opened at the EOC-RPT signal. The redundant logic for the 3B and 4A breakers functioned properly. The 4B breaker was manufactured by ITE Model Number 7.5 HK 1200A

VII. CORRECTIVE ACTION

Prior to restart of Unit 1 an On Site Review of this event was conducted (83-36). The following items were conducted as a result of the On Site Review in order to determine the cause of Breaker 4B failure to open.

1. Response time test for EOC-RPT conducted on 13 May 83 was reviewed and found to be satisfactory (LIS-RP-04)
2. Circuit Breaker 4B was tested 4 times and tripped successfully each time a simulated EOC-RPT signal. Twice in Test Position and twice Fully racked in.
3. Auxillary contacts were cleaned.
4. Turbine stop valve EOC-RPT logic was tested satisfactorily.

The cause of the 4B breaker failure to open could not be determined and based on the above actions, the breaker was declared operable.

On 14 June 1983, the Unit one turbine tripped at high power and EOC-RPT functioned properly.

Prepared by J. C. Renwick



**Commonwealth Edison**  
LaSalle County Nuclear Station  
Rural Route #1, Box 220  
Marseilles, Illinois 61341  
Telephone 815/357-6761

DMB

July 5, 1983

James G. Keppler  
Regional Administrator  
Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Sir:

Reportable Occurrence Report #83-060/03L-0 Docket #050-373 is being submitted to your office in accordance with LaSalle County Nuclear Power Station Technical Specification 6.6.B.2.(b), conditions leading to operation in a degraded mode permitted by a limiting condition for operation or plant shutdown required by a limiting condition for operation.

G. J. Diederich  
Superintendent  
LaSalle County Station

GJD/GW/sjc

Enclosure

cc: Director of Inspection & Enforcement  
Director of Management Information & Program Control  
U. S. NRC Document Management Branch  
Inpo-Records Center  
File/NRC

JUL 7 1983  
JUL 7 1983

111 IE22