

LICENSEE EVENT REPORT

CONTROL BLOCK: ①

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 L L S I C 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 0 0 0 4 5
7 3 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 28 LICENSE TYPE 30 37 CAT 38 58

CONT

REPORT SOURCE: 01, DOCKET NUMBER: 0500037137, EVENT DATE: 071188, REPORT DATE: 081583

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With LaSalle Unit 1 in start up, all five turbine bypass valves went open due to work being done on the EHC system. The MDRFP tripped on high level due to swell. Reactor level dropped to -40". The bypass valve that had gone closed because power was restored to EHC went open due to EHC card movement. Reactor level dropped to -50". PCIS isolations, HPCS and RCIC initiated. Through proper performance of RPS, ECCS, and PCIS sytems, safe plant operation was maintained at all times.

SYSTEM CODE C C 11		CAUSE CODE A 12		CAUSE SUBCODE C 13		COMP. SUBCODE Z 15				VALVE SUBCODE Z 16					
SEQUENTIAL REPORT NO. 0 8 7 24 26		OCCURRENCE CODE 0 3 28 29		REPORT TYPE L 30		REVISION NO. 0 32									
ACTION TAKEN H 18 34		EFFECT ON PLANT Z 19 20		SHUTDOWN METHOD Z 21 22		HOURS 0 0 0 0 37 40		ATTACHMENT SUBMITTED Y 23 41		NPRO-4 FORM SUBL. N 24 42		PRIME COMP. SUPPLIER Z 25 43		COMPONENT MANUFACTURER Z 9 9 9 44	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)	
1 0	The turbine bypass valves failed open due to loss of the -22VDC power supply when
1 1	instrument mechanics were troubleshooting on the EHC system. This was a personnel
1 2	error on the part of the Instrument Maintenance personnel. IM personnel will receive
1 3	additional training on the EHC system.

8 9
FACILITY STATUS (1) (3) (8) (28) % POWER (0) (1) (0) (29) OTHER STATUS (30) METHOD OF DISCOVERY (B) (31) WORK REQUEST (32) DISCOVERY DESCRIPTION
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 99 100
ACTIVITY CONTENT RELEASED OF RELEASE (1) (5) (Z) (33) (Z) (34) AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)
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 99 100
PERSONNEL EXPOSURES NUMBER (1) (7) (0) (0) (0) (37) (Z) (38) DESCRIPTION (39) NA
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 99 100
PERSONNEL INJURIES NUMBER (1) (3) (Z) (Z) (Z) (40) DESCRIPTION (41) NA
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 99 100
LOSS OF OR DAMAGE TO FACILITY TYPE (1) (3) (Z) (42) DESCRIPTION (43) NA
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 99 100
PUBLICITY ISSUED (2) (0) (N) (44) DESCRIPTION (45) NA
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 99 100
8308260197 830815 PDR ADOCK 05000373 S PDR
NRC USE ONLY
58 59

NAME OF PREPARER, K. Kalmon

PHONE: 815-357/6761

- I. LER NUMBER: 83-087/03L-0
- II. LASALLE COUNTY STATION: Unit 1
- III. DOCKET NUMBER: 050-373
- IV. EVENT DESCRIPTION:

On July 18, 1983 at 1137 hours with LaSalle Unit 1 in Start-up at a power level of 332 MWT, all five turbine bypass valves went open due to work being done on the EHC system. The Motor Driven Reactor Feed Pump tripped on high level due to swell. Power was restored to the EHC system, bypass valves closed, and reactor level stabilized at approximately -40". Bypass valves once again opened due to EHC card movement. Reactor level dropped to -50". PCIS isolations, HPCS, and RCIC were initiated and reactor water level recovered. A cooldown rate of 113°F/hr occurred.

V. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The Reactor Protector System performed properly and control rods scrammed at low reactor water level, +12.5". At -50" the HPCS diesel generator, HPCS pump and RCIC system initiated as required. The HPCS and RCIC pumps restored RPV level. The PCIS groups initiated at -50" reactor water level with the exception of ICM027. Operators saw that ICM027 did not auto-close with the initiation signal and manually closed the valve successfully. Primary containment integrity was maintained. The ICM027 valve failure to close is covered more extensively in LER 83-084/03L-0.

It was found through G.E. evaluation that the cooldown rate in slight excess of the 100°F/hr limit did not compromise the structural integrity of The Reactor Pressure Vessel. The cooldown rate is more extensively covered in LER 83-084/03L/0.

Through the proper performance of the Reactor Protection System, Emergency Core Cooling Systems, and Primary Containment Isolation Systems, safe plant operation was maintained at all times.

- VI. Due to loss of the -22 VDC power supply, when an instrument mechanic removed the -22 VDC power supply card while troubleshooting on the EHC system, the bypass valves failed open. Loss of the -22 VDC supply caused feedback to the operational amplifier in the Bypass Valve Position Unit to be lost. Loss of feedback causes the bypass valve fast acting solenoids to be energized, and the bypass valves go open. The bypass valve opening subsequently caused alterations in reactor water level.

The cause of this occurrence was due to personnel error in interpretation of the effects of removal of the -22 VDC supply.

VII. CORRECTIVE ACTION:

While troubleshooting on the EHC system, supervisory personnel from the Instrument Maintenance Department were on location. These people are the plant personnel most knowledgeable of the EHC system on site. These supervisory personnel were immediately aware of their oversight. This is an

LER NUMBER: 83-087/03L-0

VII: CORRECTIVE ACTION (Cont'd):

isolated incident. Instrument Maintenance personnel will be given additional indepth training on the EHC system and training on knowing the consequences of troubleshooting on the EHC system. Reference will be made to this occurrence and the effects of removal of the -22VDC power supply.

Prepared by: Kenneth J. Kalmon



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

August 15, 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 #83-087/03L-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.

R. D. Bishop
for G. J. Diederich
Superintendent
LaSalle County Station

GJD/GW/rg

Enclosure

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

AUG 19 1983

IE22
11