

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 M A P P S 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T
0 1 REPORT SOURCE L 6 0 5 0 - 0 2 9 3 0 1 2 3 8 0 8 0 2 0 1 8 0 9
7 8 9 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 2 Fire hazards analysis has determined that a fire in electrical raceways in several
0 3 areas of the plant would jeopardizes redundant division of ECCS systems. Refer
0 4 to attachment for additional information.
0 5
0 6
0 7
0 8
7 8 9

0 9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
S F 11 X 12 Z 13 Z Z Z Z Z Z 14 Z 15 Z 16
9 10 11 12 13 18 19 20

17 LER/RO REPORT NUMBER 8 0 21 22
18 X 19 X 20 C 21 Z 22 0 0 1 23 24 25 26 27 28 29 30 31 32
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NRPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
X 18 X 19 C 20 Z 21 0 0 0 0 22 Y 23 N 24 N 25 Z 9 9 9 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
1 0 Refer to Attachment
1 1
1 2
1 3
1 4
7 8 9

1 5 FACILITY STATUS H 28 0 0 0 29 N.A. 30 METHOD OF DISCOVERY C 31 Fire Protection Evaluation 32
7 8 9 10 11 12 13 44 45 46 80

1 6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
Z 33 Z 34 N.A.
7 8 9 10 11 44 45 80

1 7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39
0 0 0 37 Z 38 N.A. 1866 015
7 8 9 11 12 13 80

1 8 PERSONNEL INJURIES NUMBER DESCRIPTION 41
0 0 0 40 N.A.
7 8 9 11 12 80

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43
0 42 N.A. 8002040 450
7 8 9 11 12 80

2 0 PUBLICITY ISSUED DESCRIPTION 45
0 44 N.A.
7 8 9 11 12 80

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Description

A Safe Shutdown Analysis entitled, "Analysis of Effects of a Postulated Fire Involving Both Redundant Divisions of Shutdown Systems" has been completed by the BECo Nuclear Engineering Department. The report indicates that a fire in raceways in the areas of the plant listed below cannot be tolerated because a safe shutdown of the reactor would be jeopardized.

<u>Fire Zone No.</u>	<u>Area</u>
1.9	Control Rod Drive Module Area - East
1.10	Control Rod Drive Module Area - West
1.11	Open Area - East Half of Reactor Building
1.22	Reactor Building - Closed Cooling Water Pump Room 'B'
2.1	Switchgear Room B
2.10	Feedwater Heater B
3.2	Cable Spreading Room
3.5	Vital Motor Generator Set Room

The purpose of the report was to submit the safe shutdown analysis for the above areas and the 4KV Switchgear Room A although the report includes zone No. 3.2, its analysis was previously submitted. Additionally, the report provides specific information required by the NRC staff. The report was issued January 21, 1980 with BECo Cover Letter No. 80-12.

Modification Schedule

Modifications planned as a result of this analysis will be completed as indicated in the "Schedule for Completion of Modifications", section of the aforementioned report. Certain corrective measures require technical acceptability from the NRC before they can be implemented. Most modifications will be completed by October 1980.

Corrective Action

The safe shutdown analyses indicates that the most serious areas of concern are Fire Zones 1.9, 1.10 and 3.2. To ensure that a postulated fire in these areas does not adversely affect the safe shutdown capability, the following measures have been instituted in addition to the defense-in-depth fire protection measures described in the referenced report.

- a. Plant personnel have been educated and trained on the criticality and location of raceways in the fire zone.
- b. The procedure for the control of combustibles is being rigidly enforced
- c. Additional fire extinguishers have been provided in the fire zones.
- d. Tours and surveillance of the fire zones are made daily.
- e. Continuous fire watches are provided while any work is being performed in fire zones which require a cutting and welding permit.
- f. If a fire, in Fire Zones 1.9, 1.10, or 3.2 is judged not to be immediately extinguishable, the unit will be shut down as rapidly as practicable.

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