

LICENSEE EVENT REPORT

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

01 0 H J B 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 37 CAT 58

01 01 1 6 0 5 0 0 0 3 4 6 7 0 5 1 2 8 1 8 0 7 1 3 8 1 9
 7 8 REPORT SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 (NP-33-81-37) On May 12, 1981 at 1457 hours following a reactor trip, a Reactor
 03 Coolant System (RCS) sample was collected in accordance with Technical Specification
 04 3.4.8, Table 4.4-4. The analysis of the sample showed that the radio-iodine content
 05 was approaching the limit. At 2037 hours, the level peaked at 1.52 uCi/gm dose equi-
 06 valent iodine I-131 with the limit being 1.0 uCi/gm. There was no danger to the
 07 health and safety of the public or station personnel. There was no venting of con-
 08 tainment gases until limits dropped below the 1.0 uCi/gm limit. 80

09 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
 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
 R C 11 E 12 C 13 F U E L X X 14 Z 15 Z 16
 1 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
 LER NO. REPORT NUMBER EVENT YEAR SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
 8 1 0 3 1 0 3 0 0 0 0 Y N N B 0 1 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause was a slight leakage of gas through the fuel cladding. Some leakage is
 11 normal following a reactor trip when the gases in the fuel rods are further compressed
 12 by the contracting cladding. The levels were monitored to ensure it decayed off to
 13 below limits. A technical specification revision to change the limit is being evalu-
 14 ated per Facility Change Request 81-163. 80

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
 FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION LOCATION OF RELEASE
 X 28 0 0 0 29 NA A 31 Per Table 4.4-4 of Tech Spec 3.4.8
 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY
 Z 33 Z 34 NA
 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION
 0 0 0 37 Z 38 NA
 PERSONNEL INJURIES NUMBER DESCRIPTION
 0 0 0 40 NA
 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION
 Z 42 NA
 PUBLICITY ISSUED DESCRIPTION
 N 44 NA
 8107240255 810713
 PDR ADOCK 05000346
 S PDR
 NRC USE ONLY
 69 69
 (419) 259-5000, Ext. 24322
 PHONE: 80 81

The dose equivalent I-131 exceeded 1.0 uCi/gm at 2037 hours on May 12, 1981, and was below that limit at 0350 hours on May 13, 1981. The total time duration was approximately 9 hours. The maximum level was 1.52 uCi/gm.

Specific Activity Analysis:

<u>Date</u>	<u>Time</u>	<u>Activity (uCi/gm) Dose Equivalent I-131</u>
5/12/81	0500	0.132
	1845	0.94
	2037	1.52
5/13/81	0013	1.14
	0350	0.99
	0555	0.74
	0815	0.16

Designation of Apparent Cause of Occurrence: A reactor trip typically causes an iodine spike in the RCS. This is caused by a slight amount of gas leakage through the fuel rod cladding due to transient conditions. The gas leak is a result of increased compression of gas by the contracting cladding. Any small defects would allow some gas to escape.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. There was no venting of containment gases until the levels had decayed. The highest levels found in any sample were still well below the allowable limit of 60 uCi/gm per Figure 3.4-1 of Technical Specification 3.4.8.

Corrective Action: A corrective action is not applicable. Iodine spikes are typical following a reactor trip. No damage is indicated to the fuel. Monitoring of I-131 level was continued until it dropped below Technical Specification limit of 1 uCi/gm. At 0555 hours on May 13, 1981, the level dropped to .74 uCi/gm. A Technical Specification revision to change the limit is being evaluated per Facility Change Request 81-163.

Failure Data: There have been two previous reports of high iodine levels - see Licensee Event Reports NP-33-80-114 (80-088) and NP 33-81-15 (81-016).

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LER #81-031