

LICENSEE EVENT REPORT

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

V A S P S 1 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
 9 LICENSE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 37 CAT 38

REPORT SOURCE L 6 0 5 0 0 0 2 8 0 7 0 6 0 3 8 1 8 0 7 0 3 8 1 9
 50 51 DOCKET NUMBER 56 59 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

With the unit at cold shutdown, the spent fuel pit overflowed into the New Fuel handling area and then outside to a storm drain. This is contrary to T.S.-3.11.A.5 and is reportable per T.S.-6.6.2.b(2). The activity of the small quantity of water that was released was within T.S. limits (.0056% of T.S.). Therefore, the health and safety of the public were not affected.

SYSTEM CODE F B 11 CAUSE CODE E 12 CAUSE SUBCODE F 13 COMPONENT CODE V A L V E X 14 COMP. SUBCODE D 15 VALVE SUBCODE D 16
 9 10 11 12 13 18 19 20
 EVENT YEAR 8 1 0 1 5 0 3 L 0
 21 22 23 24 25 26 27 28 29 30 31
 ACTION TAKEN B 18 FUTURE ACTION Z 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NPRO-4 FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER G 2 5 5 5 25
 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

A leaking diaphragm valve and a defeated high level alarm annunciator resulted in unplanned release of spent fuel pit water. The valve was repaired and the annunciator returned to service.

FACILITY STATUS G 29 % POWER 0 0 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY B 31 Routine Inspection. 32
 7 8 9 10 11 12 13 44 45 46 80
 ACTIVITY RELEASED OF RELEASE L 33 M 34 AMOUNT OF ACTIVITY 0.0077 Ci 35 LOCATION OF RELEASE Storm drain 36
 7 8 9 10 11 12 13 44 45 80
 PERSONNEL EXPOSURES 0 0 0 37 Z 38 N/A 39
 7 8 9 10 11 12 13 44 45 80
 PERSONNEL INJURIES 0 0 0 40 N/A 41
 7 8 9 10 11 12 13 44 45 80
 LOSS OF OR DAMAGE TO FACILITY Z 42 N/A 43
 7 8 9 10 11 12 13 44 45 80
 PUBLICITY N 44
 7 8 9 10 11 12 13 44 45 80

ISSUED DESCRIPTION N 44 8107310446 810703 PDR ADOCK 05000280 PDR S J. L. Wilson
 7 8 9 10 11 12 13 44 45 80
 NRC USE ONLY
 58 59 80
 PHONE (804) 357-3184

ATTACHMENT 1
SURRY POWER STATION, UNIT 1
DOCKET NO: 50-280
REPORT NO: 81-015/03L-0
EVENT DATE: 06-03-81

UNPLANNED RELEASE OF RADIOACTIVE WATER

1. DESCRIPTION OF EVENT:

On June 3, 1981, with the unit at cold shutdown, the spent fuel pit overflowed to the new fuel handling area. The spent fuel pit water flowed out the handling area and into a storm drain located outside of the fuel building. This event is contrary to Tech. Spec. 3.11.A.5 and is reportable per Tech. Spec. 6.6.2.b.(2). The inleakage of primary grade water increased the water level in the spent fuel pit.

2. PROBABLE CONSEQUENCES:

The inleakage of primary grade water will reduce the boron concentration in the spent fuel pit. However, spent fuel pit boron concentration did not decrease below the Administrative Limit of 2000 ppm. A very small quantity of water reached the storm drains (\approx 105 gals.) and the activity release was within Tech. Spec. limits (.0056% of Tech. Spec.). Therefore, the health and safety of the public were not affected.

3. CAUSE:

The cause for the unplanned release was due to a combination of component failure and personnel error. A leaking diaphragm valve associated with the fuel pit ion exchanger increase the spent fuel pit level. The spent fuel pit "high level" alarm annunciator was made inoperable without documenting the existence of this condition. The annunciator was made inoperable to silence frequent, spurious alarms that had been occurring due to activity in the spent fuel pit.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to locate and isolate the source of inleakage.

5. SUBSEQUENT CORRECTIVE ACTION:

The leaking valve was repaired and the annunciator was returned to service.

6. ACTION TAKEN TO PREVENT RECURRENCE:

The fuel building will be modified to direct water entering the new fuel area to an existing sump. This sump discharges to the liquid waste system.

7. GENERIC IMPLICATIONS:

None.