

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

CONT	
0	1

REPORT
SOURCE

60 L 61 0 5 0 0 0 2 8 0 68 7 69 0 2 0 2 8 3 74 8 75 0 2 2 5 8 3 80 9

DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

012 | With Unit 1 and 2 at 88% and 100% respectively, #3 EDG was declared inoperable. This
013 | event is contrary to T.S. 3.16.A.1. Prior to this event, Unit 2 "C" waterbox had been
014 | stoplogged for maintenance which resulted in the loss of one train of recir spray.
015 | With #3 EDG inoperable, "B" IRS pump, on the other R.S. train, was declared inoperable
016 | by T.S. definition. These events are reportable per T.S.6.6.2.b(2). Since #1 and #2
017 | EDG's remained operable and the S.W. Header to the RSHE's X-tie valves remained open,
018 | the health and safety of the public was not affected.

SYSTEM CODE E E 11		CAUSE CODE E 12		CAUSE SUBCODE B 13		COMPONENT CODE X X X X X X X 14						COMP. SUBCODE Z 15		VALVE SUBCODE Z 16			
EVENT YEAR 8 3 21 22		SEQUENTIAL REPORT NO. 0 0 4 23 24 25 26		OCCURRENCE CODE 0 3 27 28 29		REPORT TYPE L 30 31		REVISION NO. 0 32									
ACTION TAKEN A 18		FUTURE ACTION Z 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22 37 40		ATTACHMENT SUBMITTED Y 23 41		NPRD-4 FORM SUB. Y 24 42		PRIME COMP. SUPPLIER A 25 43		COMPONENT MANUFACTURER G 1 0 0 26 44 47	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The leaking cooling water pump was due to a worn shaft seal. The waterbox stop logs
1 1 were removed within the time limit specified by T.S. 3.0.1, thus restoring
1 2 operability status to the "A"-IRS and "B" ORS pumps. Also, the #1 and #2 EDG's
1 3 were verified operational. The shaft seal on the cooling water pump was replaced and
1 4 the #3 EDG was tested satisfactorily.

8 9
FACILITY STATUS 1 5 E 28 0 8 8 29 N/A 30 OTHER STATUS 31 B 32 Periodic Test 33
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 1 6 Z 33 Z 34 N/A 35 AMOUNT OF ACTIVITY 36 LOCATION OF RELEASE 37
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 1 7 d d o 37 z 38 N/A 39 DESCRIPTION 39
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 1 3 o o o 40 N/A 41 DESCRIPTION 41
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 1 9 Z 42 N/A 43 DESCRIPTION 43
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 1 0 N 44 N/A 45 DESCRIPTION 45
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

ISSUED 2 0 N 44 N/A 45 DESCRIPTION 45
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

8303140551 830225
PDR ADOCK 05000280
S PDR

NRC USE ONLY

68 69

NRC USE ONLY

8303140551 830225
PDR ADCK 05000280
S PDR

68 69 70

(804) 357-3184

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 83-004/03L-0

EVENT DATE: 02-02-83

TITLE OF THE EVENT: #3 EMERGENCY DIESEL GENERATOR DECLARED INOPERABLE

1. Description of the Event

On February 2, with Unit 1 steady at 88% power and Unit 2 at 100%, while operating the #3 Emergency Diesel Generator for PT-22.3C (#3 EDG Month Test), a leak was detected from its right side cooling water pump and the #3 EDG was declared inoperable. This event is contrary to T. S. 3.16.A.1.

Also prior to the EDG being declared inoperable, Unit 2 "C" waterbox had been stop logged for maintenance reasons. This resulted in the loss of one train of recirculation spray, specifically "A" inside recirc. spray and "B" outside recirc. spray. With the #3 EDG inoperable, emergency power to the "B" inside recirc. spray pump was not available. Therefore, by Tech Spec definition, the pump was declared inoperable. These events are reportable per T.S. 6.6.2.b(2).

2. Probable Consequences and Status of Redundant Equipment

The emergency diesels supply power to the emergency buses in the event of loss of offsite power. The #3 EDG is a backup to the #1 and #2 EDG's, which supply emergency power to Unit 1 and Unit 2 respectively. Both these diesels remained operable during the event.

Also, one of the two parallel valves on the redundant service water flow path to the heat exchangers was unaffected during the event and the heat exchanger service water header cross tie valves remained open to supply water to both trains of RSHE. For these reasons the health and safety of the public was not affected.

3. Cause

The leaking cooling water pump was due to a worn shaft seal.

4. Immediate Corrective Action

The "C" waterbox stoplogs were removed within the time limit specified in T.S. 3.0.1, thus restoring operability of "A" IRS and "B" ORS. Also, the #1 and #2 EDG's were verified operational.

5. Subsequent Corrective Action

The shaft seal on the cooling water pump was replaced and the #3 EDG was tested satisfactorily.

6. Action Taken to Prevent Recurrence

None required.

7. Generic Implications

None.