

LICENSEE EVENT REPORT

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

1 | V | A | S | P | S | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 1 | 5
LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 31 CAT 56 57

REPORT SOURCE: L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 0 | 7 | 0 | 19 | 1 | 4 | 8 | 1 | 8 | 1 | 0 | 0 | 5 | 8 | 1 | 9
50 51 DOCKET NUMBER 56 57 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
While preparing to place "B" charging pump in service with "C" pump in pull-to-lock and "A" pump operating, it was found that the motor coupling for the auxiliary oil pump for "B" pump was sheared. "B" pump was declared inoperable and "C" pump was prepared for service on the alternate feeder. Operation with two inoperable charging pumps is contrary to T.S.3.2.C.1 and reportable per T.S.6.6.2.b(2). Since the "C" pump was placed in service within 24 hours in accordance with T.S.3.3.4B.2, the health and safety of the public were not affected.

SYSTEM CODE: P | C | 11 | CAUSE CODE: E | 12 | CAUSE SUBCODE: B | 13 | COMPONENT CODE: P | U | M | P | X | X | 14 | COMP SUBCODE: D | 15 | VALVE SUBCODE: Z | 16
LER/RO REPORT NUMBER: 17 | EVENT YEAR: 8 | 1 | 21 | 22 | SEQUENTIAL REPORT NO.: 0 | 4 | 9 | 24 | 26 | OCCURRENCE CODE: 0 | 3 | 28 | 29 | REPORT TYPE: L | 30 | REVISION NO.: 0 | 32
ACTION TAKEN: X | 18 | FUTURE ACTION: Z | 19 | EFFECT ON PLANT: Z | 20 | SHUTDOWN METHOD: Z | 21 | HOURS: 0 | 0 | 0 | 0 | 37 | ATTACHMENT SUBMITTED: Y | 23 | NRC-4 FORM SUB.: N | 24 | PRIME COMP. SUPPLIER: A | 25 | COMPONENT MANUFACTURER: B | 4 | 5 | 3 | 25

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
The auxiliary oil pump motor had a sheared coupling which caused charging pump "B" to be inoperable. "B" charging pump was declared inoperable and "C" pump was placed in service on the alternate feeder within 6 minutes.

FACILITY STATUS: F | 28 | % POWER: 0 | 8 | 7 | 29 | OTHER STATUS: N/A | 30 | METHOD OF DISCOVERY: A | 31 | ROUTINE WALKDOWN | 32

ACTIVITY RELEASED OF RELEASE: Z | 33 | Z | 34 | AMOUNT OF ACTIVITY: N/A | 35 | LOCATION OF RELEASE: N/A | 36

PERSONNEL EXPOSURES NUMBER: 0 | 0 | 0 | TYPE: Z | 38 | DESCRIPTION: N/A | 39

PERSONNEL INJURIES NUMBER: 0 | 0 | 0 | DESCRIPTION: N/A | 41

LOSS OF OR DAMAGE TO FACILITY TYPE: Z | 42 | DESCRIPTION: N/A | 43

PUBLICITY ISSUED DESCRIPTION: N/A | 45

ATTACHMENT 1
SURRY POWER STATION, UNIT 1
DOCKET NO: 50-280
REPORT NO: 81-049/03L-0
EVENT DATE: 09-14-81

TITLE OF THE EVENT: TWO CHARGING PUMPS INOPERABLE

1. DESCRIPTION OF EVENT:

While preparing to place "B" charging pump in service with "C" charging pump in pull-to-lock and "A" pump operating, it was found that the motor coupling for the auxiliary oil pump for "B" charging pump was sheared. "B" charging pump was declared inoperable and "C" pump was prepared for service on the alternate electrical feeder. Operation with two inoperable charging pumps is contrary to T.S.3.2.C.1 and reportable per T.S.6.6.2.b(2).

2. PROBABLE CONSEQUENCES:

The charging pumps supply makeup water to the reactor coolant system, RCP seal injection, as well as High Head Safety Injection. One pump, however, is sufficient to supply 100% of the charging and High Head Safety Injection requirements.

During this event, two charging pumps were operable within 6 minutes, which is in accordance with the T.S.3.3.B.2 requirement of two pump operability within 24 hours; therefore, the health and safety of the public were not affected.

3. CAUSE:

The auxiliary oil pump motor for "B" charging pump had a sheared coupling which caused the charging pump lube oil system to be incapable of supplying sufficient lubrication during pump starts. Therefore, charging pump "B" was declared inoperable.

With "A" pump operating and "C" pump on the normal feeder, both operable charging pumps were being supplied from the same emergency bus. In order to provide a diverse power supply for the "C" pump, it was prepared for service on the alternate feeder. During the short time required for this action, "C" pump was inoperable.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to place "C" charging pump in service on the alternate feeder power supply. The pump was operable on the alternate feeder within 6 minutes.

5. SUBSEQUENT CORRECTIVE ACTION:

A new auxiliary oil pump for "B" charging pump was installed. "B" pump was returned to service within 48 hours.

REPORT NO: 81-049/03L-0

6. ACTION TO PREVENT RECURRENCE:

None deemed necessary.

7. GENERIC IMPLICATIONS:

None.