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|---|---|---------------|---|---|---|---|---|----|----------------|---|---|---|---|---|---|---|---|---|----|--------------|---|---|---|--|----|-----|----|
| 0 | 1 | V | A | S | P | S | 1 | 2 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | | 5 | | |
| 7 | 8 | 14 | | | | | | 15 | 25 | | | | | | | | | | 26 | 30 | | | | | 57 | CAT | 58 |
| | | LICENSEE CODE | | | | | | | LICENSE NUMBER | | | | | | | | | | | LICENSE TYPE | | | | | | | |

CON'T

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | Pipe stress reanalysis by A.E. indicated baseplate Anchor Bolts on hanger H-2 on line
0 3 | 12"-CC-27-121 (Supplies Boron evaporator distillate coolers and overboard condensor
0 4 | component cooling) and hanger H-9 on line 12"-CC-33-121 (takes discharge from waste
0 5 | disposal evap. dist. cond.) are overstressed. This event is reportable in accordance
0 6 | with -IE Bulletin-79-02. The health and safety of
0 7 | the public were not affected.

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|----------------------|----|--------------------|----|--------------------------------|--------------------|---------------------------------|----|------------------|----|---------------------------|--------------------|-----------------------------------|----|
| Q 9 | | SYSTEM CODE W B | | CAUSE CODE B | CAUSE SUBCODE C | COMPONENT CODE S U P P O R T | | | | COMP. SUBCODE A | VALVE SUBCODE Z | REVISION NO. 0 | |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| LER/RO REPORT NUMBER | | EVENT YEAR 8 0 | | SEQUENTIAL REPORT NO. 0 4 1 | | OCCURRENCE CODE 0 3 | | REPORT TYPE L | | PRIME COMP. SUPPLIER A | | COMPONENT MANUFACTURER D 0 1 4 | |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
| ACTION TAKEN B | | FUTURE ACTION Z | | EFFECT ON PLANT Z | | SHUTDOWN METHOD Z | | HOURS 0 0 0 0 | | ATTACHMENT SUBMITTED Y | | NPRD-4 FORM SUB. N | |
| 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

| | | |
|---|---|-------------------------------------------------------------------------------|
| 1 | 0 | Stress reanalysis calculations indicated Baseplate Anchor Bolts overstressed. |
| 1 | 1 | Baseplates have been modified as required. |
| 1 | 2 | |
| 1 | 3 | |
| 1 | 4 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|------|-------------------------------|------|----|------|---------------------|------|----|--|--------------------|--|--|--|-------------|------|-----------------------------|--|------|--|-----------------------|--|--|--|------|--|----|--|
| 8 | | 9 | | FACILITY STATUS | | | | % POWER | | | | OTHER STATUS | | | | (30) | | METHOD OF DISCOVERY | | | | DISCOVERY DESCRIPTION | | | | (32) | | 80 | |
| 1 | 5 | E | | (28) | | 1 | 0 | 0 | (29) | NA | | | | | | D | (31) | Architect Engineer Analysis | | | | | | | | 80 | | | |
| 8 | | 9 | | ACTIVITY CONTENT | | | | RELEASED OF RELEASE | | | | AMOUNT OF ACTIVITY | | | | (35) | | | | | | LOCATION OF RELEASE | | | | (36) | | 80 | |
| 1 | 6 | Z | | (33) | | Z | (34) | NA | | | | | | | | NA | | | | | | | | | | 80 | | | |
| 8 | | 9 | | PERSONNEL EXPOSURES | | | | NUMBER | | | | TYPE | | | | DESCRIPTION | | | | (39) | | | | | | | | 80 | |
| 1 | 7 | 0 | 0 | 0 | (37) | Z | (38) | NA | | | | | | | | | | | | | | | | | | | | 80 | |
| 8 | | 9 | | PERSONNEL INJURIES | | | | NUMBER | | | | DESCRIPTION | | | | (41) | | | | | | | | | | | | 80 | |
| 1 | 2 | 0 | 0 | 0 | (40) | NA | | | | | | | | | | | | | | | | | | | | 80 | | | |
| 8 | | 9 | | LOSS OF OR DAMAGE TO FACILITY | | | | TYPE | | | | DESCRIPTION | | | | (43) | | | | | | | | | | | | 80 | |
| 1 | 9 | Z | (42) | NA | | | | | | | | | | | | | | | | | | | | | | | | 80 | |
| 8 | | 9 | | PUBLICITY | | | | ISSUED | | | | DESCRIPTION | | | | (45) | | | | | | | | | | | | 80 | |
| 1 | 0 | Z | (44) | NA | | | | | | | | | | | | | | | | | | | | | | | | 80 | |
| 8 | | 9 | | PUBLICITY | | | | ISSUED | | | | DESCRIPTION | | | | (45) | | | | | | | | | | | | 80 | |
| 1 | 0 | Z | (44) | NA | | | | | | | | | | | | | | | | | | | | | | | | 80 | |

NAME OF PREPARER

PHONE: (804) 357-3184

ATTACHMENT 1
SURRY POWER STATION UNIT
DOCKET NO: 50-280
REPORT NO: 80-041/03L-0
EVENT DATE: 6-25-80

TITLE OF REPORT: EXCESSIVE STRESS ON BASEPLATE ANCHOR BOLTS, LINES 12"-CC-27-121
AND 12"-CC-33-121

1. Description of Event:

While continuing the program of reanalysis of pipe stress data it was revealed that two (2) supports were overstressed (exceeding 50% ultimate capacity). H-2 on line 12"-CC-27-121 (Supplies Boron evaporator distillate coolers and overboard condensor component cooling) and H-9 on line 12"-CC-33-121 (takes discharge from waste disposal evap. dist. cond.). This event is reportable in accordance with IE Bulletin 79-02.

2. Probable Consequences and Status of Redundant Systems:

These lines are supplied from the component coolant pumps via the component coolant heat exchanger and discharge back to the header supplying the component coolant pumps. Had a rupture occurred due to overstressed hangers, the possibility for partial loss of the Component Cooling System could have existed. Under the circumstances present, the health and safety of the public were not affected.

3. Cause of Event:

The Architect Engineer encountered this problem while conducting pipe stress reanalysis. The supports did not pass the safety factor of 2 due to inclusion of the flexibility factor. However, since the safety factor analysis without flexibility was not completed, the margin of original design was not determined.

4. Immediate Corrective Action:

The isolation valve to the main component cooling line was isolated; therefore, minimizing the effects.

5. Subsequent Corrective Action:

Since modifications have been made to eliminate the overstressed condition, no subsequent action is required.

6. Future Corrective Action:

Analysis will continue and modifications will be made to relieve any overstress condition encountered.

7. Generic Implications:

Analysis continues to discover and rectify all overstressed conditions.