

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
RANCHO SECO NUCLEAR GENERATING STATION UNIT 1DOCKET NUMBER (2)
0 5 0 0 0 5 1 2PAGE (3)
1 OF 0 2TITLE (4)
CLOSED BORATION PATH DURING FUEL MOVEMENT

| EVENT DATE (5) | | | LER NUMBER (6) | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | | | | |
|----------------|-----|------|----------------|-------------------|-----------------|-----------------|-----|------|-------------------------------|------------------|---|---|---|---|
| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | DOCKET NUMBER(S) | | | | |
| 0 | 4 | 2 | 0 | 8 | 5 | 8 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| 0 | 4 | 2 | 0 | 8 | 5 | 8 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |

| OPERATING MODE (9) | | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11) | | | | | | | | | | | |
|--------------------|-----------|--|--|------------------|--|---------------------|--|----------|--|----------|--|--|--|
| POWER LEVEL (10) | 0 1 0 1 0 | 20.402(b) | | 20.405(c) | | 50.73(a)(2)(iv) | | 73.71(b) | | 73.71(c) | | OTHER (Specify in Abstract below and in Text, NRC Form 366A) | |
| | | 20.405(a)(1)(i) | | 50.36(e)(1) | | 50.73(a)(2)(v) | | | | | | | |
| | | 20.405(a)(1)(ii) | | 50.36(e)(2) | | 50.73(a)(2)(vi) | | | | | | | |
| | | 20.405(a)(1)(iii) | | 50.73(a)(2)(i) | | 50.73(a)(2)(vii)(A) | | | | | | | |
| | | 20.405(a)(1)(iv) | | 50.73(a)(2)(ii) | | 50.73(a)(2)(vii)(B) | | | | | | | |
| | | 20.405(a)(1)(v) | | 50.73(a)(2)(iii) | | 50.73(a)(2)(x) | | | | | | | |

LICENSEE CONTACT FOR THIS LER (12)
NAME
RON W. COLOMBO, REGULATORY COMPLIANCE SUPERVISORTELEPHONE NUMBER
AREA CODE
9 1 6 4 5 2 - 3 2 1 1

| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) | | | | | | | | | | |
|--|--------|-----------|--------------|---------------------|-------|--------|-----------|--------------|---------------------|--|
| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPRDS | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPRDS | |
| D | | | | N | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

SUPPLEMENTAL REPORT EXPECTED (14)
☐ YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NOEXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On April 20, 1985 it was reported via an internal Occurrence Description Report that manual valve BWS-041 was closed while fuel movement was in progress. BWS-041 is located between the Concentrated Boric Acid Storage Tank and the Decay Heat Removal Pumps and must be open to provide a flow path for borating the system in the event of a boron dilution accident. This condition existed for approximately one (1) hour before being detected, and was corrected by opening the valve. During this time, the reactor coolant system was at 72°F with a boron concentration of 2088 ppm, which is significantly greater than the technical specifications boron concentration required for fuel loading.

A subsequent investigation revealed that the improper valve positioning resulted from a procedural error in B.8 (Refueling Equipment Checks and Core Component Handling).

As a corrective measure procedure B.8 is being revised to ensure that BWS-041 is open during fuel movement. To accomplish this, B.8 will require that a clearance tag be placed on BWS-041 after it is opened. The B.8 revisions apply only to refueling operations and will be implemented prior to the next refueling outage.

There were no effects on plant or public safety as a result of this event.

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PDR ADOCK 05000312
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/95

| FACILITY NAME (1) | DOCKET NUMBER (2) | LER NUMBER (6) | | | PAGE (3) | |
|------------------------|-------------------|----------------|-------------------|-----------------|----------|---------|
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | |
| RANCHO SECO UNIT NO. 1 | 0500051285 | — | 005 | — | 00 | 2 OF 02 |

TEXT (If more space is required, use additional NRC Form 388A's) (17)

On April 20, 1985 it was reported via an internal Occurrence Description Report that manual valve BWS-041 was closed while fuel movement was in progress. BWS-041 is located in the flow path between the Concentrated Boric Acid Storage Tank and the Decay Heat Removal Pumps which provides the only method of borating the system in the event of a boron dilution accident during fuel shuffle. Having BWS-041 closed while moving fuel is a violation of refueling procedure B.8. This condition existed for approximately one (1) hour before being detected, and was corrected by opening the valve and placing a CAUTION tag on it as an additional precaution against closing the valve during fuel movement.

During the time this procedure violation existed, the reactor coolant system was at 72°F with a boron concentration of 2088 ppmb, which is significantly greater than the technical specifications boron concentration required for fuel loading conditions.

An investigation revealed that the improper valve positioning resulted from a procedural error in B.8 (Refueling Equipment Checks and Core Component Handling) which opens BWS-041 in Step 4.20.15 and then mistakenly closes the valve while performing the Containment Isolation Valve Line-up in Step 4.21. The procedural error was found during a review of procedure B.8, which was initiated following the reported event. Temporary procedural changes were implemented to correct the condition.

As a corrective measure, procedure B.8 is being revised to ensure that BWS-041 is open during fuel movement. To accomplish this, B.8 will require that a clearance tag be placed on BWS-041 after it is opened in Step 4.20.15. The B.8 revisions apply only to refueling operations and will be implemented prior to the next plant refueling outage.

There were no effects on plant or public safety as a result of this event.



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SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, P.O. Box 15830, Sacramento CA 95852-1830, (916) 452-3211
AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

RJR 85-266

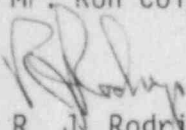
May 20, 1985

J B MARTIN, REGIONAL ADMINISTRATOR
REGION V OFFICE OF INSPECTION AND ENFORCEMENT
ATTN: DOCUMENT CONTROL DESK
U S NUCLEAR REGULATORY COMMISSION
WASHINGTON DC 20555

DOCKET NO. 50-312
LICENSE NO. DPR-54
LICENSEE EVENT REPORT NUMBER 85-05

In accordance with the requirements of 10 CFR 50.73(a)(2)(v), the Sacramento Municipal Utility District hereby submits Licensee Event Report Number 85-05.

If there are any questions concerning this report, please contact Mr. Ron Colombo at the Rancho Seco Nuclear Generating Station.


R. J. Rodriguez
Assistant General Manager,
Nuclear

cc: Region V
INPO

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