

Omaha Public Power District

P.O. Box 399 Hwy. 75 - North of Ft. Calhoun Fort Calhoun, NE 68023-0399
402/636-2000

September 28, 1995
LIC-95-0181

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, D.C. 20555

- References:
1. Docket No. 50-285
 2. NRC Generic Letter (GL) 87-02, Supplement 1 dated May 22, 1992
 3. Letter from OPPD (W. G. Gates) to NRC (Document Control Desk) dated September 21, 1992 (LIC-92-301R)
 4. Letter from OPPD (W. G. Gates) to NRC (Document Control Desk) dated February 11, 1993 (LIC-93-0068)
 5. Letter from OPPD (W. G. Gates) to NRC (Document Control Desk) dated September 24, 1993 (LIC-93-0248)

SUBJECT: Unresolved Safety Issue A-46 Summary Report in Response to Generic Letter 87-02, Supplement 1 that transmits Supplemental Safety Evaluation Report No. 2 on SQUG Generic Implementation Procedure, Revision 2, as corrected on February 14, 1992 (TAC No. 69447)

Fort Calhoun Station is subject to the implementation provisions outlined in NRC Generic Letter (GL) 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors Unresolved Safety Issue (USI) A-46." Supplement 1 to this Generic Letter (Reference 2) asked for a commitment to use both the Seismic Qualification Utility Group (SQUG) commitments and the implementation guidance provided in the Generic Implementation Procedure, Revision 2 (GIP-2) as supplemented by the Supplemental Safety Evaluation Report No. 2 for the resolution of USI A-46. GL 87-02, Supplement 1 also requested a plant-specific schedule for implementation of the GIP and submission of a report that summarizes the results of the USI A-46 review.

Omaha Public Power District (OPPD) provided the requested commitment and schedule in Reference 3; References 4 and 5 clarified this response. Enclosed are the Fort Calhoun Station Seismic Evaluation Report, Safe Shutdown Equipment List (SSEL) Report, and Relay Evaluation Report which summarize the results of the USI A-46 review. OPPD has implemented the SQUG commitments and the implementation guidance set forth in GIP-2 and SSER No. 2. OPPD intends to use the GIP methodology for verifying the seismic adequacy of existing, new, and replacement electrical and mechanical equipment.

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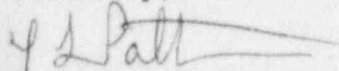
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The outliers to the GIP-2 identified during the implementation phase of the resolution were resolved and/or commitments were made for their resolution. The schedules for completion of the various outstanding outlier resolutions are contained in Enclosure 1. This information is a compilation from the enclosed reports (Table 8 of the Seismic Evaluation Report, Section 4.2.2 of the SSEL Report, and Appendix G of the Relay Evaluation Report). As noted in Reference 2, OPPD will provide a completion letter to the NRC when all outliers are resolved.

Please contact me if you have any questions.

Sincerely,



T. L. Patterson
Division Manager
Nuclear Operations

TLP/tcm

Enclosures

c: Winston & Strawn (w/o reports)
L. J. Callan, NRC Regional Administrator, Region IV (w/o reports)
W. C. Walker, NRC Senior Resident Inspector (w/o reports)
S. D. Bloom, NRC Project Manager

SEISMIC EVALUATION REPORT

SUMMARY AND SCHEDULE FOR OUTLIER RESOLUTION
(OUTSTANDING ITEMS EXERPTED FROM TABLE 8)

| Item No | Outlier Description | Recommended Resolution | Resolution Status/Schedule |
|---------|---|---|---|
| 1 | Generic: Overhead lights are supported by open hooks. | Close the hooks or change the support system appropriately. | ECN 94-090 MWO 943252 4/96 |
| 3 | Sixteen electrical cabinets are not bolted to adjacent cabinets and contain essential relays. | Bolt the cabinets to adjacent cabinets. | MR-FC-94-017 8/96 MR-FC-94-016 12/96 |
| 7 | AI-3 cabinet has three missing screws on the inside panel door. | Replace screws. | MWO 941480 12/96 |
| 11 | HCV-238, AOV: One of the two anchors missing on the accumulator. Also, unistrut frame is very flexible. | Replace the missing anchor. Stiffen the frame. | MR-FC-94-016 12/96 |
| 13 | HCV-2861 AOV is in Service Building, which is not designed for design basis earthquakes. | Delete function of this valve by modification. | MR-FC-94-022 9/96 |
| 15 | MCC-3A2: No bolts in the rear of the cabinet. | Provide sufficient rear anchorage. | MR-FC-94-017 8/96 |
| 16 | MCC-4A1 and MCC-3B1 have anchors which cannot be tightened. | Replace anchors. | MR-FC-94-017 8/96 |
| 17 | MCC-3B3 and MCC-4C4 have insufficient anchorage. | Provide sufficient anchorage. | MR-FC-94-017 8/96 |
| 19 | VA-3A, 3B, fans on vibration isolators. Also, seismic demand exceeds capacity. | Tie the vibration isolators down. Evaluate fan's seismic adequacy. | MR-FC-94-016 12/96 |
| 20 | F0-2-1 and F0-2-2, Day Tanks: Long sight glasses are vulnerable. | Replace sight glass with a plastic, break-resistant glass, or other tough material. | ECN 94-084 6/96 |
| 21 | Eight DC starting air receivers and CCW Surge Tank AC-2: Straps and saddles not welded or pretensioned. | Weld or pretension the straps and weld saddles. | MR-FC-94-017 8/96 |
| 22 | Tank does not fall within the bounding GIP parameters. (Refer to Table 2 for details.) | Modify to eliminate requirement for tank WD-21 | MR-FC-89-017 12/96 |
| 25 | Cable and Conduit Raceways in some areas require minor repairs (Refer to Table 3 for details). | Perform the required repairs. | MR-FC-94-016 12/96 MR-FC-94-017 8/96 |

Note: MR=Modification Request, ECN=Engineering Change Notice, MWO=Maintenance Work Order

SSEL REPORT

SUMMARY AND SCHEDULE FOR OUTLIER RESOLUTION (FROM SECTION 4.2.2)

| EQUIPMENT | RESOLUTION | SCHEDULE |
|---|--|-----------------------|
| Raw Water System cannot be presently used to refill the EFWST. See Section 4.2.2 for details. | Add hose connection to RW header in Room 81 to allow refilling of EFWST. | MR-FC-94-018 12/96 |

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RELAY EVALUATION REPORT

SUMMARY AND SCHEDULE FOR OUTLIER RESOLUTION
(OUTSTANDING ITEMS EXERPTED FROM APPENDIX G)

| RELAY | LOCATION | RESOLUTION | SCHEDULE |
|--------------|----------|---|----------|
| 87/1AD1-1 | AI-24 | Replacement per MR-FC-95-003 | 9/98 |
| 87/1AD1-2 | AI-24 | Replacement per MR-FC-95-003 | 9/98 |
| 87/1AD1-3 | AI-24 | Replacement per MR-FC-95-003 | 9/98 |
| 87/1AD2-1 | AI-25 | Replacement per MR-FC-95-003 | 9/98 |
| 87/1AD2-2 | AI-25 | Replacement per MR-FC-95-003 | 9/98 |
| 87/1AD2-3 | AI-25 | Replacement per MR-FC-95-003 | 9/98 |
| D1-112 | D1 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D1-44-SV1X | D1 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D1-45-SV2X | D1 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D1-66-42BPM1 | D1 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D1-67-42BPM2 | D1 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D1-68-42FP | D1 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D2-112 | D2 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D2-44-SV1X | D2 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D2-45-SV2X | D2 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D2-66-42BPM1 | D2 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D2-67-42BPM2 | D2 | Qualification test/Replacement per ECN 95-347 | 9/97 |
| D2-68-42FP | D2 | Qualification test/Replacement per ECN 95-347 | 9/97 |

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