

APPENDIX A

Washington Public Power Supply System
P. O. Box 968
Richland, Washington 99352

Docket Nos. 50-460
50-513

NOTICE OF VIOLATION

Based on the results of an NRC inspection conducted during the period of April 29 - May 2, 1980, it appears that certain of your activities were not conducted in full compliance with NRC requirements as indicated below:

- A. 10 CFR 50, Appendix B, Criterion V, as implemented by Section 17.1.5 of the quality assurance program documented in the PSAR and the WPPSS QA Program Manual Procedure QAP-2, Paragraph 3.1, states in part that, "Activities affecting quality ... shall be accomplished in accordance with ... instructions, procedures, or drawings."

The hanger inspection checklist of the J. A. Jones Construction Company, the site contractor responsible for installation and inspection of hangers for safety related piping, requires verification that U-bolt connections are tight. Additionally, J. A. Jones Instruction No. JAJ-WI-010.1, Revision 1A, paragraph 8.7 states that "After completion of hanger installation, including the documentation required on Hanger Installation Sketch, the hanger will be tagged with an orange adhesive tag, to prevent any further work without notifying Project Engineering and QA. If additional work is approved, documentation for the work must be provided by J. A. Jones Engineering."

Contrary to the above, on May 1, 1980 at Unit 1, pipe hangers Nos. DHR-15-SG-19 and DHR-15-SG-20 supporting safety related piping had loose U-bolt connections. This nonconforming condition was not identified and the hanger inspection checklists documented that these U-bolt connections had been inspected and found acceptable. Orange adhesive tags were applied to the hangers and no documentation demonstrated that additional work on the hangers subsequent to the inspection and tagging had been approved.

This is an infraction.

- B. 10 CFR 50, Appendix B, Criterion XIII as implemented by Section 17.1.13 of the quality assurance program documented in the PSAR and the WPPSS QA Program Manual Procedure QAP-16, Paragraph 4.1, states in part that "Measures shall be established to control the handling, storage, shipping, cleaning and preservation of material and equipment ... to prevent damage or deterioration".

Paragraph 6.1.2 of procedure POP-N-405W of the J. A. Jones Construction Company, a site contractor responsible for construction activities involving safety related piping and components, states that for piping and components, "Protective covering, end caps and other protective devices will be utilized and maintained." Further, paragraph 6.3 of J. A. Jones procedure JAJ-W1-005, Revision 2E, states that, "Space heaters for equipment set in place shall be energized within two (2) days after equipment is installed."

Contrary to the above, on April 29, 1980:

1. At the J. A. Jones laydown yard for Unit 1 piping, safety related stainless steel pipe spool No. DHR-415-040-55 had one end uncapped and contained a quantity of water, and safety related stainless steel pipe spool No. BRS-C106-84-51 had both ends uncapped.
2. The bowl of Unit 1 reactor coolant pump No. P1A2, a safety related component, was uncovered and the bowl contained debris including food, newspaper and paper products.
3. At the 455' elevation of the Unit 1 General Services Building, several uncovered safety related stainless steel pipe spools and valves for Unit 1 were temporarily stored without protective caps installed and were covered with dirt from concreting work.
4. At the 399' elevation of the Unit 4 General Services Building, space heaters were not energized in the safety related electric motors of three make-up system pump units, two containment spray pump units and two decay heat removal pump units.
5. The flanges of Unit 4 make-up system pump MUS-PMP-1A, a safety related component, were open and no protective covering or protective caps were installed.

This is an infraction.

APPENDIX B

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FINDINGS REGARDING INEFFECTIVE CORRECTIVE ACTIONS

The results of an NRC inspection conducted during the period April 29 - May 2, 1980 included findings wherefrom it appears that certain of your corrective actions taken on identified quality problems were ineffective and failed to meet your commitments to the NRC as indicated below:

- A. In February 1979, the NRC inspector identified that your diesel-generator contractor failed to fulfill a specification requirement to designate the quality class on equipment drawings. In your response of May 9, 1979, to this office, you indicated that the quality class designation assures proper identification of equipment and actions had been taken to correct the omission. During our review of this matter in June 1979 (reference: IE Inspection Report No. 50-460/79-07), we brought to your attention that the omission had not been corrected. As of April 29, 1980 this problem remained uncorrected although your diesel-generator contractor submitted several equipment drawings to you after May 4, 1979 without the quality designation and these drawings were then issued by WPPSS.
- B. In February 1979, the NRC inspector identified that your procurement documents to a contractor did not include or reference those measures delineated in the PSAR which you committed to use for controlling measuring and test equipment. In your response of May 9, 1979, to this office, you stated that the contractor procurement documents would be revised. During our review of this matter in June 1979 (reference: IE Inspection Report No. 50-460/79-07), we brought to your attention that the procurement documents had not yet been revised. As of April 29, 1980, these documents still had not been revised. Your representatives then stated that revisions may not be necessary. However, we understand that a change in your commitment has not yet been authorized nor has a change been submitted to this office for review.
- C. For the past nine months various cleanliness and preservation problems with safety related equipment at the site have been noted by NRC inspectors (reference: IE Inspection Reports. 50-460/79-10, -11, -12, -14 and 80-03). Such problems were similarly identified and documented in numerous surveillance reports by your site QA/QC inspection staff. Despite identification of these continuing problems, the actions taken to correct their cause and preclude recurrence have been ineffective as demonstrated by our findings during our recent site inspection. Their findings included five instances where the cleanliness and preservation of safety related components were compromised by the inactions of your site piping installation contractor.