

Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 377-5000
Docket No. 50-397

November 11, 1982
G02-82-902

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Mr. R. H. Engelken
Regional Administrator
U.S. Nuclear Regulatory Commission
Region V
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Subject: NUCLEAR PROJECT NO. 2
IE BULLETIN 82-01, REVISION 1, ALTERATIONS OF RADIOGRAPHS
OF WELDS IN PIPING SUBASSEMBLIES

Reference: G02-82-554, dated June 22, 1982, R.G. Matlock to R.H.
Engelken, same subject.

The referenced letter transmitted the Supply System's interim response to IE Bulletin 82-01, Revision 1. At that time the WNP-2 Project had completed the review of the AP&E film and identified 96 welds with less than the required 2-4T sensitivity and 15 welds with altered or enhanced film for a total of 111 welds with improper radiographs. However, we had not compared the WNP-2 Site film with the film which had been retained by AP&E for their record purposes. This comparison has been completed with the net result of reducing the 111 welds with rejectable film to 22 welds. Thirteen (13) of these welds have been reradiographed. Four (4) welds had been cut out previously by the mechanical contractor. The remaining 5 welds are scheduled to be reradiographed by November 15, 1982. Details are contained in the attachment. Since this work is essentially complete, but not yet fully completed, this letter serves as an up-date to the interim report. Our final report will be submitted when the work is fully completed.

If you have any questions regarding this item, please contact Roger Johnson at (509) 377-2501, extension 2712.


R.G. Matlock
Program Director, WNP-2

RTJ/kd

Attachment: Interim Report - Update

cc: W.S. Chin, BPA - Site
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WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NUCLEAR PROJECT NO. 2
DOCKET NO. 50-397
LICENSE NO. CPPR-93
IE BULLETIN 82-01, REVISION 1
RADIOGRAPHS OF WELDS IN AP&E PIPING SUBASSEMBLIES
INTERIM REPORT - UPDATE

REFERENCE

Attachment A (Interim Report) to Supply System letter No. G02-82-554, dated June 22, 1982.

BACKGROUND

As discussed in the referenced interim report, the results of the on-site review of the AP&E radiographs as required by IE Bulletin 82-01, Revision 1, were:

1. Total number of welds reviewed	1,682
2. Number of welds with less than 2-4T sensitivity	96
3. Number of welds with altered film	15
4. Number of welds with incomplete signatures on the RT reader sheets	51
5. Number of welds which did not meet ASME Section III weld quality	1

Of the 96 welds rejected with less than 2-4T sensitivity, 93 were for no 4T hold visible, 2 for the wrong size penetrameter, and 1 for no penetrameter outline visible.

For the 15 welds rejected for altered film, 3 were for alterations by scratches, 11 for alterations by pencil, and 1 with a cut hole making a light leak.

There were 51 welds with incomplete signatures on the RT reader sheets, and in every case, only the Authorized Nuclear Inspector's signature was missing. However, it is neither a Code requirement nor a WNP-2 specification requirement that the ANI sign the RT data sheet.

In regard to the one (1) weld which did not meet ASME Section III weld quality, the defect is very small, difficult to interpret, and therefore, is conceivably a legitimate oversight rather than an intentional disregard of Code requirements.

FINAL DISPOSITIONS

The final disposition for each of the above listed discrepancies was as follows:

No.'s 2 & 3

The companion film held by AP&E for the welds with less than the required sensitivity and altered film were subjected to a comparison review with the unacceptable project held film by Bechtel's level II RT technician. If the AP&E film was found acceptable, it was substituted for the unacceptable

FINAL DISPOSITIONS (Cont.)

film and made the radiographs of record for the project, and filed in the jobsite QA records vault. Following this comparison review, No.'s 2 & 3 were reduced to:

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|--|----|
| 2. Number of welds with less than 2-4T sensitivity | 21 |
| 3. Number of welds with altered film | 1 |

The above 22 welds with unsatisfactory radiographs were documented on two nonconformance reports. These two nonconformance reports were both dispositioned "rework", i.e., reradiograph to obtain satisfactory film quality.

As of the date of this report, 17 of these welds have had the dispositions accomplished. Thirteen (13) of 17 have been reradiographed and determined to be acceptable. Four (4) of the 17 could not be reradiographed because the welds had been previously removed by the Mechanical Contractor. The remaining 5 welds are scheduled to be reradiographed by November 15, 1982.

No. 4

The 51 welds without an ANI signature on the RT reader sheet did not require any corrective action as this is neither a Code nor project specification "violation."

No. 5

The one weld with a radiograph interpreted as containing a defect not meeting minimum Code requirements was documented on a nonconformance report. The nonconformance report was dispositioned "repair", i.e., repair the defect and reradiograph the repair weld. The weld has been repaired, radiographed and found acceptable.