

Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

March 22, 1984
G01-84-0077

Responds to: -
Response required by: -

John B. Martin
Regional Administrator
Nuclear Regulatory Commission, Region V
100 Maria Lane, Suite 210
Walnut Creek, CA 94596

Subject: NUCLEAR PROJECTS NO. 1 AND 4
DOCKET NOS. 50-460 AND 50-513
IE BULLETIN 83-07

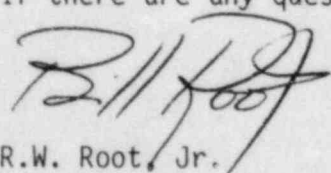
Reference: A) IE Bulletin 83-07, Apparently Fraudulent Products Sold by Ray Miller, Inc., dated July 22, 1984.
B) IE Bulletin 83-07, Supplement 1, same subject, dated October 26, 1983.
C) IE Bulletin 83-07, Supplement 2, same subject, dated December 9, 1983.

In response to IE Bulletin 83-07 and subsequent supplements, the Supply System has researched WNP-1/4 Project records and requested the same of contractors, to determine if materials supplied by Ray Miller, Inc. are used at WNP-1/4. As discussed in the attachment only two contractors supplied items containing material from Ray Miller for safety related systems. The possibility of Ray Miller material being supplied through other material suppliers was included in all the investigations.

A testing program to verify the acceptability of the Ray Miller materials is not warranted at WNP-1/4 because the material has been determined to be acceptable for its specified use even if related material process substitutions had occurred. As the WNP-4 items may be sold for other uses, these items will be tagged to require vendor notification of the potential deficiency.

Two man months of Supply System effort were involved in the response to this Bulletin. In addition, there was considerable effort expended by the construction manager, architect engineer, and contractors in researching material data.

If there are any questions, please advise.


R.W. Root, Jr.
WNP-1 Program Director (821)

RWR/LCO/cmh

Attachment

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PDR ADDCK 05000460
Q PDR

cc: AD Edmondson, UE&C (898)
FDCC (899)
BDCC (828)
ORM (847)

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ATTACHMENT

Evaluation of Ray Miller Materials at WNP-1/4

RSW-TK-12

The Supply System ordered a radwaste solids handling system from Protective Packaging, Inc. Jeffersontown, Kentucky. Based on the required safety class of the system, (quality group D augmented) only part of the 10CFR50 Appendix B quality criteria apply, and as such, the materials were supplied with only certificates of conformance. Specifically, Protective Packaging supplied the Waste Blending Tank which contains material supplied by Modern Welding Co. Inc., Owensboro, Kentucky who purchased the material from Ray Miller. The potential material deficiency applies to RSW tank #12, one from each plant, and is identified in FSAR Figure 11.4-1c.

- Modern Welding has been identified as receiving potentially fraudulent material.
- The material in question consists of 1", 1½", 8", and 20" schedule 40 pipe and 1", 1½", 1½", 3", and 8" pipe fittings (150# rating) all of which were specified and certified to be 304 stainless steel.
- The C of C's are dated from October 6, 1978 through March 13, 1979.
- The Ray Miller branch office supplying the material cannot be determined from the C of C's.
- There is no other material in stock and none has been examined or tested.

SAFETY EVALUATION

The failure consequences of the radioactive solid waste (RSW) measuring tank has been evaluated and is documented by the FSAR, Section 15.7.3 stating that the potential release of the contents of the tank has no significant environmental consequences. The RSW waste blending tank contains solid wastes as well as the contents of the measuring tank just prior to solidification. The radioactive release to the environment due to the potential failure of the RSW blending tank is less severe than the potential failure of the measuring tank. In addition, conditions of alleged fraud, relating to the actual use of the material, do not degrade the tank quality, i.e., both welded and seamless material are acceptable, either standard or low carbon material is acceptable, machining in lieu of forging is acceptable, flanges supplied have a 150# rating and thus a lower rating could not have been substituted (tanks are atmospheric), and the tanks are 304 stainless steel which is acceptable for the application. Based on the analysis already documented in the FSAR and the specific use of the materials supplied by Ray Miller, the tanks will be dispositioned use-as-is.

RLW-FCE-1 and 2

The Supply System ordered two forced circulation evaporators per plant for use in the radioactive liquid waste (RLW) system. The items were supplied by Whiting Corporation, Harvey, Illinois. Based on the required safety class of the system (quality group D augmented), only part of the 10 CFR Appendix B quality criteria apply. The forced circulation evaporators contain material supplied by Damascus Tube, Greenville, Pennsylvania, through the Ray Miller, West Caldwell, New Jersey office.

- Damascus tube, as the original supplier, has not been evaluated as a recipient of potentially fraudulent materials. The only material identified to date is 2" Schedule 40 pipe. Material was specified to be ASTM A312 or ASME SA 312.
- Material originally shipped on 12/11/75 was used in late 1978.
- To date, there has been no other material found in stock coming from Whiting.
- Based on the safety evaluation, additional examination and testing is not warranted.

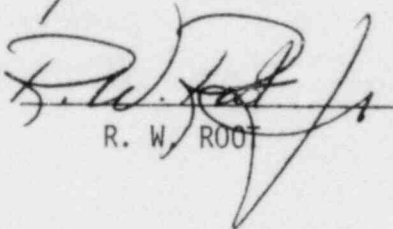
SAFETY EVALUATION

Although the materials supplied may be 304L requiring lower carbon limits, 304 stainless steel material is acceptable. Since the RLW forced circulation evaporator is a pre treatment for wastes supplied to the RSW system, the analysis discussed above (i.e. FSAR Section 15.7.3) for the RSW tanks is directly applicable. Therefore potential failure of the forced circulation evaporator pressure boundary has no significant environmental consequences. Based on the analysis already documented in the FSAR and the specific use of the materials supplied through Ray Miller, the forced circulation evaporator equipment will be accepted use-as-is.

STATE OF WASHINGTON)
COUNTY OF BENTON }

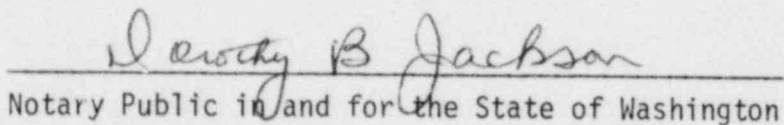
R. W. ROOT, being first duly sworn, deposes and says: That he is the Program Director, WNP-1/4, for the WASHINGTON PUBLIC POWER SUPPLY SYSTEM, the applicant herein; that he is authorized to submit the foregoing on behalf of said applicant; that he has read the foregoing and knows the contents thereof; and believes the same to be true to the best of his knowledge.

DATED March 22, 1984


R. W. ROOT

On this day personally appeared before me R. W. ROOT to me known to be the individual who executed the foregoing instrument and acknowledged that he signed the same as his free act and deed for the uses and purposes therein mentioned.

GIVEN under my hand and seal this 22nd
23rd day of March, 1984


Notary Public in and for the State of Washington

Residing at Richland