

March 12, 2004

Mr. R. T. Ridenoure  
Division Manager - Nuclear Operations  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
Post Office Box 550  
Fort Calhoun, NE 68023-0550

SUBJECT: FORT CALHOUN STATION, UNIT NO. 1 – REQUEST FOR ADDITIONAL  
INFORMATION ON REQUEST FOR RELIEF RELATED TO REACTOR  
PRESSURE VESSEL NOZZLE INSPECTIONS (TAC NO. MC1115)

Dear Mr. Ridenoure:

By letter dated October 24, 2003, Omaha Public Power District (OPPD) submitted Request for Relief (RR) 9 for the third 10-year interval. The request proposed to use Code Case N-615, "Ultrasonic Examination as a Surface Examination Method for Category B-F and B-J Piping Welds." OPPD proposed to perform an alternative examination from the inside surface of the reactor pressure vessel nozzle-to-safe end weld.

The staff has completed its preliminary review of this submittal and has determined it needs additional information to complete the review. Our request for additional information is enclosed. This request was discussed with Richard Jaworski of your staff and it was agreed that a response would be provided within 30 days of receipt of this letter.

Sincerely,

**/RA/**

Alan B. Wang, Project Manager, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-285

Enclosure: Request for Additional Information

cc w/encl: See next page

March 12, 2004

Mr. R. T. Ridenoure  
Division Manager - Nuclear Operations  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
Post Office Box 550  
Fort Calhoun, NE 68023-0550

SUBJECT: FORT CALHOUN STATION, UNIT NO. 1 – REQUEST FOR ADDITIONAL  
INFORMATION ON REQUEST FOR RELIEF RELATED TO REACTOR  
PRESSURE VESSEL NOZZLE INSPECTIONS (TAC NO. MC1115)

Dear Mr. Ridenoure:

By letter dated October 24, 2003, Omaha Public Power District (OPPD) submitted Request for Relief (RR) 9 for the third 10-year interval. The request proposed to use Code Case N-615, "Ultrasonic Examination as a Surface Examination Method for Category B-F and B-J Piping Welds." OPPD proposed to perform an alternative examination from the inside surface of the reactor pressure vessel nozzle-to-safe end weld.

The staff has completed its preliminary review of this submittal and has determined it needs additional information to complete the review. Our request for additional information is enclosed. This request was discussed with Richard Jaworski of your staff and it was agreed that a response would be provided within 30 days of receipt of this letter.

Sincerely,

*/RA/*

Alan B. Wang, Project Manager, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-285

Enclosure: Request for Additional Information

cc w/encl: See next page

DISTRIBUTION:

PUBLIC

PDIV-2 Reading

RidsNrrDlpmPdiv (HBerkow)

RidsNrrLAEPeyton

RidsNrrPMAWang

RidsOgcRp

RidsAcrsAcnwMailCenter

CJohnson (RidsRegion4MailCenter)

SSheng

**ADAMS ACCESSION NO.: ML040760945**

OFFICE	PDIV-2/PM	PDIV-2/LA	PDIV-2/SC
NAME	AWang	EPeyton	JNDonohew for SDembek
DATE	3/11/04	3/10/04	3/11/04

DOCUMENT NAME: C:\ORPCheckout\FileNET\ML040760945.wpd

OFFICIAL RECORD COPY

Ft. Calhoun Station, Unit 1

cc:

Winston & Strawn  
ATTN: James R. Curtiss, Esq.  
1400 L Street, N.W.  
Washington, DC 20005-3502

Chairman  
Washington County Board of Supervisors  
P.O. Box 466  
Blair, NE 68008

Mr. John Kramer, Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 310  
Fort Calhoun, NE 68023

Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-4005

Ms. Sue Semerera, Section Administrator  
Nebraska Health and Human Services  
Systems  
Division of Public Health Assurance  
Consumer Services Section  
301 Centennial Mall, South  
P.O. Box 95007  
Lincoln, NE 68509-5007

Mr. David J. Bannister, Manager  
Fort Calhoun Station  
Omaha Public Power District  
Fort Calhoun Station FC-1-1 Plant  
P.O. Box 550  
Fort Calhoun, NE 68023-0550

Mr. John B. Herman  
Manager - Nuclear Licensing  
Omaha Public Power District  
Fort Calhoun Station FC-2-4 Adm.  
P.O. Box 550  
Fort Calhoun, NE 68023-0550

Mr. Daniel K. McGhee  
Bureau of Radiological Health

Iowa Department of Public Health  
401 SW 7<sup>th</sup> Street, Suite D  
Des Moines, IA 50309

Mr. Richard P. Clemens  
Division Manager - Nuclear Assessments  
Omaha Public Power District  
Fort Calhoun Station  
P.O. Box 550  
Fort Calhoun, NE 68023-0550

## REQUEST FOR ADDITIONAL INFORMATION

### REQUEST FOR RELIEF PERTAINING TO REACTOR VESSEL NOZZLE INSPECTIONS

#### OMAHA PUBLIC POWER DISTRICT

#### FORT CALHOUN STATION, UNIT NO. 1

#### DOCKET NO. 50-285

By letter dated October 24, 2003, Omaha Public Power District (OPPD/the licensee) submitted Request for Relief (RR) 9 for the third 10-year interval. The request proposed to use the ASME Code Case N-615, "Ultrasonic Examination as a Surface Examination Method for Category B-F and B-J Piping Welds," (N-615). OPPD proposed to perform an alternative examination from the inside surface of the reactor pressure vessel nozzle-to-safe end weld. The staff has completed its preliminary review of this relief request and has determined that the following additional information is needed to complete the review.

1. Regulatory Guide 1.147, Revision 13, "Inservice Inspection Code Case Acceptability—ASME Section XI, Division 1," disapproves the use of N-615 because it does not require a performance demonstration according to Appendix VIII. Therefore, N-615 is not applicable for use as an alternative to the Code unless accompanied with an Appendix VIII qualification.

The calibration block indicated that the subject welds are corrosion resistance cladded (CRC). The Code has recognized the difficulty in satisfying the performance demonstration criteria for CRC welds according to Appendix VIII. Therefore, in lieu of an Appendix VIII qualification, the Code imposed a Section V qualification and examination requirement. Because of the inability to reliably demonstrate through-wall examinations of CRC welds, this type of request for relief may be proposed as a hardship.

2. The submittal states that the relief is for six reactor pressure vessel nozzle-to-safe end dissimilar metal welds. Provide the unique identification for these welds.
3. On pages 3 and 4 of the submittal, the tables use the abbreviation "NDD". What is the definition of NDD?
4. The submittal describes the calibration block used for setting up equipment and demonstrating ultrasonic testing procedure. Provide a sketch of the site-specific welds in question showing the cladding (are both surfaces cladded on all six welds), weld/butter/base material (carbon steel, stainless steel, Inconel) restrictions (if any), inside surface irregularities, nominal wall thickness, and surface inspection volume.