

2007-173 _____ BWR Vessel & Internals Project (BWRVIP)

June 22, 2007

Document Control Desk
U. S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Attention: Matthew A. Mitchell

Subject: Information on BWR Dissimilar Metal Weld Examinations

The purpose of this letter is to provide a generic response to the NRC for the U.S. BWR utilities regarding information on BWR dissimilar metal weld examinations.

The BWRVIP obtained pertinent information from the BWRVIP utilities regarding dissimilar metal welds and associated examination data from 1998 to the present. This information is compiled in the enclosed table. Five (5) copies of the proprietary table are enclosed.

The BWRVIP informally reviewed this initial information with the NRC staff and determined it to be sufficient to generically assess the population of dissimilar metal welds in the BWR fleet. This update to the information contains the quantity of dissimilar metal welds, identifies the category of the weld per BWRVIP-75-A, indicates the types of weld stress improvements applied, and summarizes the weld examination history for each weld category.

The BWRVIP acknowledges that future occurrences of indications in dissimilar metal welds are possible as the industry completes the first round of Supplement 10 examinations and moves toward more advanced NDE techniques. However, based on the available information the BWRVIP believes, after review of the survey data, that the BWR fleet has demonstrated their inspection efforts for piping subject to GL 88-01 are in accordance with the guidance of BWRVIP-75-A and no immediate generic safety concern exists within the BWR fleet.

The BWRVIP recognizes that BWR licensees will continue to implement piping examinations consistent with their commitment to GL 88-01 and BWRVIP-75-A as appropriate.

The BWRVIP remains committed to work on this issue and support the member utilities. However, questions regarding plant specific data or planned actions should be directed to the licensee.

Please note that the enclosed table contains proprietary information. A letter requesting that the table be withheld from public disclosure and an affidavit describing the basis for withholding this information are provided as Attachment 1.

Two (2) copies of a non-proprietary version of the enclosed table are also enclosed. This non-proprietary table is identical to the enclosed proprietary table except that the proprietary information has been deleted.

Together . . . Shaping the Future of Electricity

*Add: Matthew A.
Mitchell*

MRO

6004
*EXTRA copies
sent to PM
H. Khana*

If you have any technical questions on this subject please call Bob Geier (Exelon, BWRVIP Assessment Committee Technical Chairman) at 630.657.3830 or Bob Carter (EPRI) at 704.595.2019.

Sincerely,

A handwritten signature in black ink that reads "Rick Libra". The signature is written in a cursive, slightly slanted style.

Richard Libra
DTE Energy
Chairman, BWR Vessel and Internals Project

June 22, 2007

Document Control Desk
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Request for Withholding of the following Proprietary Document:

BWR DM Weld Utility Summary Table

To Whom It May Concern:

This is a request under 10 C.F.R. §2.390(a)(4) that the NRC withhold from public disclosure the information identified in the enclosed Affidavit consisting of the proprietary information owned by Electric Power Research Institute, Inc. ("EPRI") and identified above (the "Report"). Copies of the Report and the Affidavit in support of this request are enclosed.

EPRI desires to disclose, in confidence, the Report for informational purposes to assist the U.S. Nuclear Regulatory Commission (the "NRC"). The Report is not to be divulged to anyone outside of the NRC or to any of its contractors, nor shall any copies be made of the Report provided herein. EPRI welcomes any discussions and/or questions relating to the information enclosed.

If you have any questions about the legal aspects of this request for withholding, please do not hesitate to contact me at (704) 595-2173. Questions on the content of the Report should be directed to Randy Stark of EPRI at (650) 855-2122.

Sincerely,

ELECTRIC POWER RESEARCH INSTITUTE, INC.



David J. Modeen
Vice President & Chief Nuclear Officer

AFFIDAVIT

RE: Request for Withholding of the Following Proprietary Document:

Information on BWR Dissimilar Metal Weld Examinations

I, DAVID J. MODEEN, being duly sworn, depose and state as follows:

I am a Vice President and the Chief Nuclear Officer of Electric Power Research Institute, Inc. whose principal office is located at 3420 Hillview Avenue, Palo Alto, California ("EPRI") and I have been specifically delegated responsibility for the above-listed Report that is sought under this Affidavit to be withheld (the "Report"). I am authorized to apply to the U.S. Nuclear Regulatory Commission ("NRC") for the withholding of the Report on behalf of EPRI.

EPRI requests that the Report be withheld from the public on the following bases:

Withholding Based Upon Privileged And Confidential Trade Secrets Or Commercial Or Financial Information:

a. The Report is owned by EPRI and has been held in confidence by EPRI. All entities accepting copies of the Report do so subject to written agreements imposing an obligation upon the recipient to maintain the confidentiality of the Report. The Report is disclosed only to parties who agree, in writing, to preserve the confidentiality thereof.

b. EPRI considers the Report and the proprietary information contained therein (the "Proprietary Information") to constitute trade secrets of EPRI. As such, EPRI holds the Report in confidence and disclosure thereof is strictly limited to individuals and entities who have agreed, in writing, to maintain the confidentiality of the Report. EPRI made a substantial economic investment to develop the Report, and, by prohibiting public disclosure, EPRI derives an economic benefit in the form of licensing royalties and other additional fees from the confidential nature of the Report. If the Report and the Proprietary Information were publicly available to consultants and/or other businesses providing services in the electric and/or nuclear power industry, they would be able to use the Report for their own commercial benefit and profit and without expending the substantial economic resources required of EPRI to develop the Report.

c. EPRI's classification of the Report and the Proprietary Information as trade secrets is justified by the Uniform Trade Secrets Act which California adopted in 1984 and a version of which has been adopted by over forty states. The California Uniform Trade Secrets Act, California Civil Code §§3426 – 3426.11, defines a "trade secret" as follows:

"Trade secret" means information, including a formula, pattern, compilation, program device, method, technique, or process, that:

(1) Derives independent economic value, actual or potential, from not being generally known to the public or to other persons who can obtain economic value from its disclosure or use; and

(2) Is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."

d. The Report and the Proprietary Information contained therein are not generally known or available to the public. EPRI developed the Report only after making a determination that the Proprietary Information was not available from public sources. EPRI made a substantial investment of both money and employee hours in the development of the Report. EPRI was required to devote these resources and effort over a period of several years to derive the Proprietary Information and the Report. As a result of such effort and cost, both in terms of dollars spent and dedicated employee time, the Report is highly valuable to EPRI.

f. A public disclosure of the Proprietary Information would be highly likely to cause substantial harm to EPRI's competitive position and the ability of EPRI to license the Proprietary Information both domestically and internationally. The Proprietary Information and Report can only be acquired and/or duplicated by others using an equivalent investment of time and effort.

I have read the foregoing and the matters stated herein are true and correct to the best of my knowledge, information and belief. I make this affidavit under penalty of perjury under the laws of the United States of America and under the laws of the State of California.

Executed at 1300 W T Harris Blvd, Charlotte, North Carolina being the premises and place of business of Electric Power Research Institute, Inc.

Date June 22, 2007



David J. Modeen

Subscribed and sworn before me this 22nd day of June 2007

 , Notary Public

My Commission expires 10/12/09

BWRVIP DM Weld Utility Summary Table

| Plant # | Total # Welds | Weld Category per BWRVIP-7E-A | | | | | Stress Improvements by Weld Category | | | | | | | | | | Summary | | | | | | |
|---------|---------------|-------------------------------|-----|-----|-----|----|--------------------------------------|------|------|------|------|------|------|------|------|------|---------|----------------------------|---------------|------------------------|---------------------|------------------------------|--------------------------|
| | | A | B | C | D | E | A | | B | | C | | D | | E | | Overlay | # Welds not Sl or overlaid | Total # welds | Total # Welds Examined | Total # of UT Exams | Total # of non Subp-10 Exams | Total # of Supp-10 Exams |
| | | | | | | | MSIP | IHSI | MSIP | IHSI | MSIP | IHSI | MSIP | IHSI | MSIP | IHSI | | | | | | | |
| 1 | 36 | 27 | 0 | 7 | 2 | 0 | 27 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 36 | 36 | 36 | 2 | 34 |
| 2 | 35 | 20 | 0 | 9 | 5 | 1 | 0 | 14 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 1 | 11 | 35 | 10 | 16 | 9 | 9 |
| 3 | 36 | 20 | 0 | 16 | 0 | 0 | 16 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 36 | 21 | 23 | 19 | 4 |
| 4 | 30 | 14 | 0 | 7 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 23 | 30 | 13 | 13 | 6 | 7 |
| 5 | 22 | 10 | 0 | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 4 | 3 | 0 | 0 | 2 | 0 | 0 | 13 | 22 | 9 | 9 | 1 | 8 |
| 6 | 31 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 31 | 31 | 31 | 5 | 26 |
| 7 | 43 | 13 | 5 | 25 | 0 | 0 | 13 | 0 | 0 | 5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 36 | 53 | 31 | 22 |
| 8 | 22 | 21 | 0 | 0 | 1 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 22 | 14 | 15 | 12 | 3 |
| 9 | 37 | 19 | 0 | 9 | 9 | 0 | 1 | 0 | 0 | 0 | 9 | 0 | 2 | 0 | 0 | 0 | 0 | 25 | 37 | 23 | 32 | 23 | 9 |
| 10 | 27 | 18 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 27 | 14 | 23 | 14 | 9 |
| 11 | 30 | 0 | 0 | 11 | 15 | 4 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 4 | 15 | 30 | 21 | 21 | 5 | 16 |
| 12 | 25 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 20 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 13 | 13 | 6 | 7 |
| 13 | 27 | 5 | 0 | 0 | 21 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 27 | 6 | 37 | 31 | 6 |
| 14 | 34 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 34 | 31 | 24 | 7 |
| 15 | 21 | 0 | 0 | 18 | 0 | 3 | 0 | 0 | 0 | 0 | 7 | 11 | 0 | 0 | 0 | 0 | 3 | 0 | 21 | 18 | 18 | 7 | 11 |
| 16 | 29 | 0 | 0 | 25 | 3 | 1 | 0 | 0 | 0 | 0 | 13 | 12 | 0 | 3 | 0 | 0 | 1 | 0 | 29 | 28 | 31 | 14 | 17 |
| 17 | 27 | 7 | 0 | 18 | 0 | 2 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 27 | 25 | 56 | 56 | 0 |
| 18 | 38 | 0 | 21 | 17 | 0 | 0 | 0 | 0 | 0 | 21 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 18 | 18 | 18 | 0 |
| 19 | 42 | 5 | 34 | 3 | 0 | 0 | 0 | 0 | 33 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 42 | 5 | 5 | 5 | 0 |
| 20 | 29 | 6 | 0 | 22 | 0 | 1 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 29 | 28 | 32 | 25 | 7 |
| 21 | 29 | 11 | 18 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 29 | 20 | 20 | 14 | 6 |
| 22 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 30 | 12 | 13 | 10 | 3 |
| 23 | 15 | 10 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 10 | 21 | 11 | 10 |
| 24 | 30 | 0 | 0 | 0 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 28 | 30 | 30 | 65 | 36 | 29 |
| 25 | 19 | 0 | 0 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 10 | 6 | 0 | 0 | 0 | 0 | 3 | 0 | 19 | 10 | 12 | 2 | 10 |
| 26 | 27 | 21 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 27 | 11 | 14 | 11 | 3 |
| 27 | 27 | 26 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 27 | 13 | 13 | 9 | 4 |
| 28 | 36 | 11 | 0 | 23 | 0 | 2 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 1 | 0 | 1 | 11 | 36 | 26 | 28 | 14 | 14 |
| 29 | 20 | 0 | 0 | 0 | 17 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 17 | 20 | 20 | 20 | 1 | 19 |
| 30 | 24 | 13 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 24 | 8 | 8 | 8 | 0 |
| 31 | 28 | 16 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 28 | 4 | 4 | 3 | 1 |
| 32 | 27 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 10 | 10 | 0 | 10 |
| 33 | 23 | 0 | 0 | 21 | 0 | 2 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 23 | 25 | 25 | 0 | 25 |
| 34 | 22 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 22 | 22 | 19 | 3 |
| 35 | 22 | 20 | 0 | 0 | 0 | 2 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 22 | 0 | 9 | 0 | 9 |
| TOTALS | 1000 | 343 | 103 | 361 | 166 | 27 | 57 | 61 | 71 | 32 | 279 | 82 | 2 | 3 | 5 | 0 | 21 | 387 | 1000 | 624 | 799 | 451 | 348 |

BWRVIP DM Weld Utility Summary Table

| Plant # | Weld Category Inspection Details | | | | | | | | | | | | | | | | | | | | | |
|---------|----------------------------------|---------------------|------------|-------------------------------|---------------------------|--------|--------------------|----------------|------------------|--------------|-------------------|--------|---------------------|------------|-------------------------------|---------------------------|--------|--------------------|----------------|------------------|--------------|-------------------|
| | A | | | | | | | | | | | B | | | | | | | | | | |
| | # of A | # of welds Examined | # of exams | # non-Supp 10 (Manual + Auto) | # Supp 10 (Manual + Auto) | Manual | Manual non-Supp 10 | Manual Supp 10 | Auto non-Supp 10 | Auto Supp 10 | welds Mit. w. HWC | # of B | # of welds Examined | # of exams | # non-Supp 10 (Manual + Auto) | # Supp 10 (Manual + Auto) | Manual | Manual non-Supp 10 | Manual Supp 10 | Auto non-Supp 10 | Auto Supp 10 | welds Mit. w. HWC |
| 1 | 27 | 27 | 27 | 0 | 27 | 13 | 0 | 13 | 14 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 25 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 20 | 5 | 5 | 2 | 3 | 0 | 0 | 0 | 5 | 2 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 14 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 13 | 9 | 12 | 8 | 4 | 4 | 2 | 2 | 8 | 6 | 2 | 2 | 5 | 4 | 4 | 1 | 3 | 4 | 1 | 3 | 0 | 2 |
| 8 | 21 | 13 | 13 | 11 | 2 | 5 | 3 | 2 | 8 | 8 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 19 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 18 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 13 | 13 | 6 | 7 | 4 | 2 | 2 | 9 | 4 |
| 13 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 7 | 5 | 5 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 12 | 12 | 12 | 0 | 3 | 3 | 0 | 9 | 9 | 0 |
| 19 | 5 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 34 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 0 |
| 20 | 6 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 11 | 7 | 7 | 5 | 2 | 4 | 3 | 1 | 3 | 2 | 1 | 3 | 18 | 13 | 13 | 9 | 4 | 2 | 2 | 0 | 11 | 7 |
| 22 | 30 | 12 | 13 | 10 | 3 | 13 | 10 | 3 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| 23 | 10 | 7 | 15 | 7 | 8 | 1 | 0 | 1 | 14 | 7 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 21 | 5 | 5 | 5 | 0 | 3 | 3 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 26 | 12 | 12 | 9 | 3 | 7 | 5 | 2 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 11 | 2 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 13 | 3 | 3 | 3 | 0 | 3 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 16 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 20 | 0 | 8 | 0 | 8 | 5 | 0 | 5 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTALS | 343 | 131 | 151 | 89 | 62 | 67 | 37 | 30 | 84 | 52 | 32 | 94 | 103 | 45 | 45 | 31 | 14 | 13 | 8 | 5 | 32 | 23 |

BWRVIP DM Weld Utility Summary Table

| A | B | AX | AY | AZ | BA | BB | BC | BD | BE | BF | BG | BH | BI | BJ | BK | BL | BM | BN | BO | BP | BQ | BR | BS | BT | BU | BV |
|--------|---|--------|---------------------|------------|-------------------------------|---------------------------|--------------------|----------------|------------------|--------------|-------------------|--------|---------------------|------------|-------------------------------|---------------------------|--------------------|----------------|------------------|--------------|-------------------|-----|----|----|----|--|
| Plant# | | C | | | | | | | | | | | | D | | | | | | | | | | | | Provide Exam Schedule for Cat D Welds that have not been inspected via Supplement 10 method (e.g., Fall 2007 - 3, Spring 2009 - 6, Fall 2010 - remaining 4) |
| | | # of C | # of welds Examined | # of exams | # non-Supp 10 (Manual + Auto) | # Supp 10 (Manual + Auto) | Manual non-Supp 10 | Manual Supp 10 | Auto non-Supp 10 | Auto Supp 10 | welds Mit. w/ HWC | # of D | # of welds Examined | # of exams | # non-Supp 10 (Manual + Auto) | # Supp 10 (Manual + Auto) | Manual non-Supp 10 | Manual Supp 10 | Auto non-Supp 10 | Auto Supp 10 | welds Mit. w/ HWC | | | | | |
| 1 | | 7 | 7 | 7 | 0 | 7 | 7 | 0 | 7 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | Fall 2008 - remaining 2 |
| 2 | | 9 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 3 | 5 | 5 | 13 | 0 | 8 | 0 | 0 | 0 | 13 | 5 | 8 | 5 | |
| 3 | | 16 | 16 | 18 | 17 | 1 | 0 | 0 | 0 | 18 | 17 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 4 | | 7 | 3 | 3 | 2 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 7 | 9 | 9 | 9 | 4 | 5 | 5 | 4 | 1 | 4 | 0 | 4 | 1 | Spring 2008 - remaining 4 |
| 5 | | 7 | 4 | 4 | 1 | 3 | 3 | 1 | 2 | 1 | 0 | 1 | 5 | 3 | 3 | 3 | 0 | 3 | 2 | 0 | 2 | 1 | 0 | 1 | 1 | |
| 6 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 31 | 31 | 5 | 26 | 5 | 1 | 4 | 26 | 4 | 22 | 0 | Jan 2008 - remaining 5 |
| 7 | | 25 | 23 | 37 | 22 | 15 | 0 | 0 | 0 | 37 | 22 | 15 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 8 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | |
| 9 | | 9 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 5 | 5 | 0 | 8 | 9 | 9 | 18 | 9 | 9 | 0 | 0 | 0 | 18 | 9 | 9 | 4 | |
| 10 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 18 | 9 | 9 | 0 | 0 | 0 | 18 | 9 | 9 | 0 | |
| 11 | | 11 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 8 | 15 | 15 | 15 | 0 | 15 | 15 | 0 | 15 | 0 | 0 | 0 | 0 | |
| 12 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 13 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 5 | 36 | 31 | 5 | 33 | 31 | 2 | 3 | 0 | 3 | 16 | Fall 2008 / (5) DM welds are scheduled in Fall 2008 under NMCA Chemistry conditions the remaining (11) welds are not currently scheduled but will be examined in accordance with BWRVIP-75A / NWC and/or NMCA as applicable. The current schedule for Cat D / DM welds under NWC began 2006 and ends 2012. The current schedule for Cat D / DM welds under NMCA/HWC began 2004 and ends 2014 |
| 14 | | 34 | 34 | 31 | 24 | 7 | 31 | 24 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 15 | | 18 | 18 | 18 | 7 | 11 | 3 | 2 | 1 | 15 | 5 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 16 | | 25 | 25 | 28 | 14 | 14 | 9 | 3 | 6 | 19 | 11 | 8 | 12 | 3 | 3 | 3 | 0 | 3 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | |
| 17 | | 18 | 18 | 44 | 44 | 0 | 8 | 8 | 0 | 36 | 36 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 18 | | 17 | 6 | 6 | 6 | 0 | 2 | 2 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 19 | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 20 | | 22 | 22 | 24 | 18 | 6 | 8 | 5 | 3 | 16 | 13 | 3 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 21 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 22 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 23 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 6 | 4 | 2 | 1 | 0 | 1 | 5 | 4 | 1 | 0 | March 2009 - remaining 2 |
| 24 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 28 | 59 | 32 | 27 | 4 | 2 | 2 | 55 | 30 | 25 | 20 | March 2008 - remaining 1 |
| 25 | | 16 | 7 | 9 | 2 | 7 | 2 | 0 | 2 | 7 | 2 | 5 | 10 | 3 | 3 | 3 | 0 | 3 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | |
| 26 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 9 | 6 | 3 | 7 | 4 | 3 | 2 | 2 | 0 | 0 | Fall 2008 - remaining 3 |
| 27 | | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 28 | | 23 | 22 | 22 | 9 | 13 | 2 | 0 | 2 | 20 | 9 | 11 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 29 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 17 | 17 | 0 | 17 | 7 | 0 | 7 | 10 | 0 | 10 | 10 | |
| 30 | | 11 | 5 | 5 | 5 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 31 | | 12 | 3 | 3 | 2 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 32 | | 27 | 10 | 10 | 0 | 10 | 0 | 0 | 0 | 10 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 33 | | 21 | 23 | 23 | 0 | 23 | 0 | 0 | 23 | 0 | 23 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 34 | | 22 | 22 | 22 | 19 | 3 | 0 | 0 | 0 | 22 | 19 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 35 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTALS | | 361 | 279 | 325 | 201 | 124 | 89 | 55 | 34 | 236 | 146 | 90 | 131 | 166 | 149 | 244 | 108 | 136 | 89 | 45 | 44 | 155 | 63 | 92 | 57 | |

BWRVIP DM Weld Utility Summary Table

| Plant # | Weld Category Inspection Details | | | | | | | | | | | | Weld Indications | | | | | Comments |
|---------|----------------------------------|---------------------|------------|-------------------------------|---------------------------|--------|--------------------|----------------|------------------|--------------|-------------------|----|------------------|---|---|---|---|----------|
| | # of E | # of welds Examined | # of exams | # non-Supp 10 (Manual + Auto) | # Supp 10 (Manual + Auto) | E | | | | | welds M.L. w/ HWC | A | B | C | D | E | | |
| | | | | | | Manual | Manual non-Supp 10 | Manual Supp 10 | Auto non-Supp 10 | Auto Supp 10 | | | | | | | | |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 2 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 4 | 4 | 4 | 4 | 0 | 2 | 2 | 0 | 2 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 16 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 |
| 17 | 2 | 2 | 7 | 7 | 0 | 7 | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 20 | 1 | 1 | 3 | 2 | 1 | 0 | 0 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 24 | 2 | 2 | 6 | 4 | 2 | 0 | 0 | 0 | 6 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 2 | 2 | 4 | 3 | 1 | 0 | 0 | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 29 | 3 | 3 | 3 | 1 | 2 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 2 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 |
| TOTALS | 27 | 20 | 34 | 22 | 12 | 13 | 10 | 3 | 21 | 12 | 9 | 14 | 6 | 1 | 9 | 1 | 4 | 4 |