

ATTACHMENT

Consumers Power Company
Big Rock Point Plant
Docket 50-155

1989 INSERVICE INSPECTION REPORT

November 3, 1989

8911140129 891103
PDR ADOCK 05000155
Q PLC

23 Pages

OC1189-0216-NL04

FORM NIS-1 (Back)

8. Examination Dates June 10, 1988 to Aug 6, 1989. Inspection Interval from 1-1-82 to 12-31-91
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.
See ISI Report Table 2
11. Abstract of Conditions Noted
See ISI Report Table 2
12. Abstract of Corrective Measures Recommended and Taken
See ISI Report Table 2

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI, 1977 Edition, Summer of 1978 Addenda Components. (60W80 Addenda for IWD-IWF Class 3 Only)
Certificate of Authorization No. (if applicable) n/a Expiration Date n/a

Date October 10 19 89 Signed Consumers Power Company Michael Cohen
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by Protection Mutual of Norwood, Mass Insurance Company have inspected the components described in this Owner's Report during the period June 10, 1989 to August 6, 1989, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Factory Mutual System

K. Blake Commissions MI, 760 END. "NBS"
Inspector's Signature National Board, State, Province, and Endorsement

Date OCT. 19 19 89

EXHIBIT F

INSERVICE INSPECTION INTERVAL 2 - ISI-6
Inspection Completion Review and Approval Sheet

BIG ROCK POINT NUCLEAR PLANT

Signature/Date

Technical Review

Big Rock Point ISI

BRP Engg Superintendent

Michael O'Connell 11-1-89
Yegorov 11-1-89

Hydrostatic/Leak Test Review*

Big Rock Point ISI

BRP Engg Superintendent

Michael O'Connell 11-1-89
Yegorov 11-1-89

All Equipment Is in a Return-to-Service Status

Operations Supervisor

W. J. Wilbur 11-1-89

Approved by**

Plant Manager

W. J. Wilbur 11-1-89

*Sign-off of the hydrostatic/leak test portion of this form indicates that all hydrostatic/leak tests which the plant has identified as testable only during the outage have been performed.

**Approval of this plan indicates a return-to-service status.

Cover Sheet - Section XI

1. Date October 10, 1989
2. Headquarters Consumers Power Company
212 W Michigan Avenue
Jackson, MI 49720
3. Plant Big Rock Point Nuclear Plant
10269 US 31 North
Charlevoix, MI 49720
4. Unit No. 1
5. Commercial Service Date December 8, 1962
6. Gross Generating Capacity 75 MW Electric
- 7-
10. See Attached NIS-1 forms and
Examination Agencies Final Reports
11. Completion Date for Inspections August 6, 1989
12. Code Inspector(s) K.L. Blake
13. Authorized Inspection Agency Protection Mutual Insurance Company
Factory Mutual Engineering
30150 Telegraph Road, Suite 371
Birmingham, MI 48010
14. Abstract See Abstracts and Summaries in
Examination Agencies Final Report
15. Signature of Inspector(s) *K.L. Blake*

Consumers Power Company

Big Rock Point Plant

1989 INSERVICE INSPECTION NO. 2-6

1989 INSERVICE INSPECTION NO. 2/6
BIG ROCK POINT PLANT

Inservice Inspection No. 2/6 was conducted during the period of June 10, 1989 through August 6, 1989 in accordance with Section 9.0 of the Big Rock Plant Technical Specifications, except as specified by Consumers Power Company letter dated October 15, 1980, which updated the applicable ASME Boiler and Pressure Vessel Code, Section XI to the 1977 Summer 1976 Edition. Hangers, supports will be examined in accordance with 80W80 Addenda for IWD/IWF only.

Areas examined during this inspection included various components of the portions of the nuclear steam system and portions of various support systems piping as itemized in the attached Table 2 - Inservice Inspection No. 2/6 Examination Table.

The examinations were performed using Radiographic (RT) Ultrasonic (UT), Liquid Penetrant (PT) and Visual (VT) techniques. The various examinations were conducted in accordance with Consumers Power Company Laboratory and Field Technical Services Department (L&FTS) or vendor MQS Inspection Inc. using approved procedures. Examinations were performed by personnel qualified in the NDT process utilized in accordance with the requirements of Section XI IWA-2300, 1977 ASME Boiler and Pressure Vessel Code. Instances of reportable indications are itemized in the attached Table 1 - Resolution of Reportable Indications.

All records detailing procedures, personnel and equipment certifications, examination data, and disposition of reportable indications are on file at the Big Rock Point Plant and also in General Office, 1945 West Parnall Road, Jackson, Michigan 49201.

TABLE 1

Resolution of Reportable Indications

TABLE #1
RESOLUTION TO REPORTABLE INDICATIONS

Exam No.	Component	Exam Method	Condition Reported	Reporting Mechanism	Disposition	Re-Exam	Disposition
1-10	1.5-MSS-110-17 Pipe-to-Valve	PT	Rounded Indications	DN#DMZ062989-1 DMZ063089-2 D-BRP-89-39	Removed indication by grinding and/or flapping	PT	Acceptable
1-11	1.5-MSS-110-18 Valve-to-Pipe	PT	Rounded Indications	DN#DMZ062989-2 DMZ063089-1 D-BRP-89-39	Removed indication by grinding and/or flapping	PT	Acceptable
1-14	3-MSS-107-RV-5045 Valve Bolting	VT-1	Damaged Threads	DN#DMZ070389-1 D-BRP-89-38	Replaced bolting	VT-1	Acceptable
1-15	3-MSS-107-RV-5045	VT-1	Wear	DN#DMZ071789-1	Replaced worn parts with new	None	Acceptable
2-9	24-MRS-121-6-PR	VT-3	Bent Rod	D-BRP-89-25	Analyzed acceptable as is	None	Acceptable
3-3	102-N-BT Bolting	VT-1	Insufficient Threads	DN#DMZ061489-1 DMZ072489-1 D-BRP-89-22	Replaced Studs	VT-1	Acceptable
3-5	4-ECS-103-8-PI Welded Pipe Lug	PT	Multiple Indications	DN#DMZ061689-2 D-BRP-89-21	Removed indications by grinding and/or flapping.	PT	Acceptable
3-16	12-RDS-101-9 Elbow-to-Pipe	PT	Multiple Indications	DN#DMZ061689-1 DMZ062489-1 DMZ062789-1 DMZ062889-1 D-BRP-89-24	Removed indications by grinding and/or flapping.	PT	Acceptable
3-18	12-RDS-101-11 Tee-to-Pipe	PT	Linear Indications	DN#DMZ061789-2 DMZ062489-2 DMZ062789-2 D-BRP-89-24	Removed indications by grinding and/or flapping.	PT	Acceptable
3-19	12-RDS-101-13 Tee-to-Pipe	PT	Multiple Indications	DN#DMZ061789-3 D-BRP-89-24	Removed indications by grinding and/or flapping.	PT	Acceptable
3-20	102-S-BT Bolting	VT-1	Insufficient Threads	DN#DMZ061789-1 DMZ072489-2 D-BRP-89-22	Replaced studs	VT-1	Acceptable

TABLE #1

RESOLUTION TO REPORTABLE INDICATIONS

Exam No.	Component	Exam Method	Condition Reported	Reporting Mechanism	Disposition	Re-Exam	Disposition
4-9	3-RCS-102-44-PS Welded Pipe Support	PT	Linear Indications	DN#DMZ062189-1 DMZ062289-2 DMZ062489-3 D-BRP-89-23	Removed one of eight welds - analyzed Acceptable as is	None	Acceptable
6-3	17-MRS-111-5-PR Pipe Restraint	VT-3	Pin Rod	D-BRP-89-25	Replaced rod	VT-3	Acceptable
8-10	2-RCS-107- RCS-CK-3-BT Valve Bolting	VT-1	Insufficient Threads	DN#DMZ062289-1 D-BRP-89-26	Adjusted Studs	VT-1	Acceptable

TABLE 2
Examination Summary

BIG ROCK POINT NUCLEAR PLANT
Inservice Inspection No. 276

Table 2

<u>EXAM NO. ACTY NO</u>	<u>ASME SECT XI ITEM NO.</u>	<u>ASME SECT XI CATEGORY</u>	<u>EXAM METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>1-1</u>	<u>B-D</u>	<u>B3.130</u>	<u>UT</u>	<u>F-1 Nozzle-to Shell</u> <u>(3 in. Safety Relief)</u>	<u>Acceptable</u>
<u>1-2</u>	<u>B-D</u>	<u>B3.130</u>	<u>UT</u>	<u>F-2 Nozzle-to Shell</u> <u>(3 in. Safety Relief)</u>	<u>Acceptable</u>
<u>1-3</u>	<u>B-D</u>	<u>B3.130</u>	<u>UT</u>	<u>J-1 Nozzle-to-Shell</u> <u>(1-1/2 in. Gauge Glass</u> <u>Line)</u>	<u>Deferred</u>
<u>1-4</u>	<u>B-D</u>	<u>B3.130</u>	<u>UT</u>	<u>H Nozzle-to-Shell</u> <u>(2 in. Decontaminating)</u>	<u>Acceptable</u>
<u>1-5</u>	<u>B-D</u>	<u>B3.130</u>	<u>UT</u>	<u>D-1 Nozzle-to-Shell</u> <u>8 in. Steam Outlet</u>	<u>Acceptable</u>
<u>1-6</u>	<u>B-D</u>	<u>B3.130</u>	<u>UT</u>	<u>D-2 Nozzle-to Shell</u> <u>8 in. Steam Outlet</u>	<u>Acceptable</u>
<u>1-7</u>	<u>B-G-1</u>	<u>B6.90</u>	<u>UT</u>	<u>A-1-BT</u> <u>Manway Bolting Nuts</u>	<u>Deferred</u>
<u>1-8</u>	<u>B-G-1</u>	<u>B6.90</u>	<u>UT</u>	<u>A-2-BT</u> <u>Manway Bolting Nuts</u>	<u>Deferred</u>
<u>1-9</u>	<u>B-F</u>	<u>B5.50</u>	<u>PT</u> <u>RT</u>	<u>3-MSS-107-5</u> <u>Nozzle-to-Flange</u> <u>(Dissimilar Metal)</u>	<u>Deferred</u>
<u>1-10</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>1.5-MSS-110-17</u> <u>Pipe-to-Valve MO-N007A</u>	<u>See Table 1</u>
<u>1-11</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>1.5-MSS-110-18</u> <u>Valve-to-Pipe</u>	<u>See Table 1</u>
<u>1-12</u>	<u>B-G-2</u>	<u>B7.70</u>	<u>VT-1</u>	<u>1.5-MSS-110</u> <u>MO-N007A-BT</u> <u>Valve Bolting</u>	<u>See Table</u>

BIG ROCK POINT NUCLEAR PLANT
Inservice Inspection No. 276

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<u>EXAM NO. ACTY NO</u>	<u>ASME SECT XI ITEM NO.</u>	<u>ASME SECT XI CATEGORY</u>	<u>EXAM METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>1-13</u>	<u>B-G-2</u>	<u>B7.70</u>	<u>VT-1</u>	<u>1.5-MSS-110</u> <u>MO-N007B-BT</u> <u>Valve Bolting</u>	<u>Acceptable</u>
<u>1-14</u>	<u>B-G-2</u>	<u>B7.70</u>	<u>VT-1</u>	<u>3-MSS-107</u> <u>RV-5045</u> <u>Valve Bolting</u>	<u>See Table 1</u>
<u>1-15</u>	<u>Aug.</u>		<u>VT-2</u> <u>PT</u>	<u>3-MSS-107-RV-5045</u>	<u>See Table 1</u>
<u>1-16</u>	<u>B-B</u>	<u>B2.51</u>	<u>UT</u>	<u>101-1</u> <u>Head-to Shell (60° Arc</u> <u>at Top of Circ. Weld)</u>	<u>Acceptable</u>
<u>1-17</u>	<u>B-B</u>	<u>B2.51</u>	<u>UT</u>	<u>101-4</u> <u>Shell-to Shell (60° Arc</u> <u>at Top of Circ. Weld)</u>	<u>Acceptable</u>
<u>1-18</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>1.5-MSS-110-19</u> <u>Pipe-to-Elbow</u>	<u>Acceptable</u>
<u>1-19</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>1.5-MSS-110-20</u> <u>Elbow-to-Pipe</u>	<u>Acceptable</u>
<u>2-1</u>	<u>B-J</u>	<u>B9.21</u>	<u>PT</u>	<u>3-LP-102-31</u> <u>Tee-to-Check Valve</u>	<u>Acceptable</u>
<u>2-2</u>	<u>B-7</u>	<u>B9.21</u>	<u>PT</u>	<u>3-LPS-102-32</u> <u>Check Valve-to-Elbow</u>	<u>Acceptable</u>
<u>2-3</u>	<u>B-J</u>	<u>B9.21</u>	<u>PT</u>	<u>3-LPS-103-4</u> <u>Check Valve-to-Pipe</u>	<u>Acceptable</u>

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Inservice Inspection No. 276

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<u>2-4</u>	<u>B-J</u>	<u>B9.21</u>	<u>PT</u>	<u>3-LPS-103-5</u> <u>Pipe-to-Valve CV-4050</u>	<u>Acceptable</u>
<u>2-5</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-MSS-134-5</u> <u>Pipe-to-Valve NS-200</u>	<u>Deleted</u>
<u>2-6</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-MSS-134-6</u> <u>Valve-to-Pipe</u>	<u>Deleted</u>
<u>2-7</u>	<u>B11.10</u>	<u>B-K-2</u>	<u>Remote VT-3</u>	<u>24-MRS-121-3-PR</u> <u>Pipe Restraint</u>	<u>Acceptable</u>
<u>2-8</u>	<u>B-J</u>	<u>B9.31</u>	<u>PT UT</u>	<u>24-MRS-121-5/4-MRS-141</u> <u>Branch Connection</u> <u>(IGSCC Susceptible)</u>	<u>Acceptable</u>
<u>2-9</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>Remote VI-3</u>	<u>24-MRS-121-6-PR</u> <u>Pipe Restraint</u>	<u>See Table 1</u>
<u>2-10</u>	<u>B-J</u>	<u>B9.31</u>	<u>PT</u>	<u>20-MRS-121-17/6-MRS-131</u> <u>Branch Connection</u> <u>(IGSCC Susceptible)</u>	<u>Acceptable</u>
<u>2-11</u>	<u>B-J</u>	<u>B9.31</u>	<u>PT</u>	<u>20-MRS-121-17/6-SCS-102</u> <u>Branch Connection</u> <u>(IGSCC Susceptible)</u>	<u>Acceptable</u>
<u>2-12</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT UT</u>	<u>5-MRS-131-5</u> <u>Valve MO-N002A-to-Elbow</u> <u>(IGSCC Susceptible)</u>	<u>Acceptable</u>
<u>2-13</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT UT</u>	<u>5-MRS-131-6</u> <u>Elbow-to-Pipe</u> <u>(IGSCC Susceptible)</u>	<u>Acceptable</u>

BIG ROCK POINT NUCLEAR PLANT
Inservice Inspection No. 276

Table 2

<u>EXAM NO. ACTY NO</u>	<u>ASME SECT XI ITEM NO.</u>	<u>ASME SECT XI CATEGORY</u>	<u>EXAM METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>2-14</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>5-MRS-131-8</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Elbow-to-Pipe</u> <u>(IGSCC Susceptible)</u>	
<u>2-15</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>5-MRS-131-9</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Pipe-to-Branch Connect.</u> <u>(IGSCC Susceptible)</u>	
<u>2-16</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>4-MRS-141-1</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Branch Connect.-to-Pipe</u> <u>(IGSCC Susceptible)</u>	
<u>2-17</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>4-MRS-141-5</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Elbow-to-Pipe</u> <u>(IGSCC Susceptible)</u>	
<u>2-18</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>Remote</u>	<u>24-MRS-121-8-PR</u>	<u>Acceptable</u>
			<u>VT-3</u>	<u>Pipe Restraint</u>	
<u>3-1</u>	<u>B-D</u>	<u>B3.150</u>	<u>UT</u>	<u>104-N</u>	<u>Acceptable</u>
				<u>Nozzle-to-Vessel</u> <u>(4 in. North Bundle)</u>	
<u>3-2</u>	<u>B-D</u>	<u>B3.150</u>	<u>UT</u>	<u>104-S</u>	<u>Acceptable</u>
				<u>Nozzle-to-Vessel</u> <u>(4 in. South Bundle)</u>	
<u>3-3</u>	<u>B-G-2</u>	<u>B7.40</u>	<u>VT-1</u>	<u>102-N-BT</u>	<u>See Table 1</u>
				<u>Bolting (North Bundle)</u>	
<u>3-4</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>4-ECS-103-5-PR-1</u>	<u>Acceptable</u>
			<u>VT-4</u>	<u>Pipe Restraint</u>	
<u>3-5</u>	<u>B-K-1</u>	<u>B10.10</u>	<u>PT</u>	<u>4-ECS-103-8-PL</u>	<u>See Table 1</u>
				<u>Welded Pipe Lug</u>	

BIG ROCK POINT NUCLEAR PLANT
In-Service Inspection No. 276

Table 2

<u>EXAM NO. ACTY NO</u>	<u>ASME SECT XI ITEM NO.</u>	<u>ASME SECT XI CATEGORY</u>	<u>EXAM METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>3-6</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>4-ECS-103-8-PLR</u>	<u>Acceptable</u>
			<u>VT-4</u>	<u>Pipe Lug Restraint</u>	
<u>3-7</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-LPS-101-10</u>	<u>Acceptable</u>
				<u>Pipe-to-Check Valve</u>	
				<u>LPS-CK-1</u>	
<u>3-8</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-LPS-101-11</u>	<u>Acceptable</u>
				<u>Check Valve-to-Pipe</u>	
<u>3-9</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-RDS-113-2</u>	<u>Acceptable</u>
				<u>Pipe-to-Elbow</u>	
<u>3-10</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>2-RDS-107A-14-PR</u>	<u>Acceptable</u>
			<u>VT-4</u>	<u>Pipe Restraint</u>	
<u>3-11</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>1.5-RDS-114-9</u>	<u>Acceptable</u>
				<u>Pipe-to-Elbow</u>	
<u>3-12</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>1.5-RDS-114-10</u>	<u>Acceptable</u>
				<u>Elbow-to-Pipe</u>	
<u>3-13</u>	<u>B-M-2 Aug.</u>	<u>B12.4C</u>	<u>VI-2</u>	<u>6-RDS-103</u>	<u>Acceptable</u>
				<u>SV-4985</u>	
<u>3-14</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>12-RDS-101-6PR</u>	<u>Acceptable</u>
			<u>VI-4</u>	<u>Pipe Restraint Snubber</u>	
			<u>funct.</u>		
<u>3-15</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>12-RDS-101-7PR</u>	<u>Acceptable</u>
			<u>VT-4</u>	<u>Pipe Restraint Snubber</u>	
			<u>funct.</u>		
<u>3-16</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>12-RDS-101-9</u>	<u>See Table 1</u>
			<u>UT</u>	<u>to-Pipe</u>	
<u>3-17</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>12-RDS-101-10</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Pipe-to-Pipe</u>	

BIG ROCK POINT NUCLEAR PLANT
Inservice Inspection No. 276

Table 2

<u>EXAM NO.</u> <u>ACTY NO</u>	<u>ASME SECT XI</u> <u>ITEM NO.</u>	<u>ASME SECT XI</u> <u>CATEGORY</u>	<u>EXAM</u> <u>METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>3-18</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>12-RDS-101-11</u>	<u>See Table 1</u>
			<u>UT</u>	<u>Tee-to-Pipe</u>	
<u>3-19</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>12-RDS-101-13</u>	<u>See Table 1</u>
			<u>UT</u>	<u>Tee-to-Pipe</u>	
<u>3-20</u>	<u>B-G-2</u>	<u>B7.40</u>	<u>VT-1</u>	<u>102-S-BT</u>	<u>See Table 1</u>
				<u>Bolting (South Bundle)</u>	
<u>3-21</u>	<u>B-K-1</u>	<u>B10.10</u>	<u>PT</u>	<u>6-ECS-102-4PL</u>	<u>Acceptable</u>
				<u>Welded Pipe Lug</u>	
<u>4-1</u>	<u>B-B</u>	<u>B2.51</u>	<u>UT</u>	<u>A-2 Spool-to-Tube Sheet</u>	<u>Deleted</u>
<u>4-2</u>	<u>B-D</u>	<u>B3.150</u>	<u>UT</u>	<u>A-5 Nozzle Weld</u>	<u>Acceptable</u>
				<u>(3 in. Channel Inlet)</u>	
<u>4-3</u>	<u>B-D</u>	<u>B3.150</u>	<u>UT</u>	<u>A-6 Nozzle Weld</u>	<u>Acceptable</u>
				<u>(3 in. Channel Inlet)</u>	
<u>4-4</u>	<u>B-D</u>	<u>B3.150</u>	<u>UT</u>	<u>A-7 Nozzle Weld</u>	<u>Deferred</u>
				<u>(3 in. Shell Inlet)</u>	
<u>4-5</u>	<u>B-D</u>	<u>B3.150</u>	<u>UT</u>	<u>A-8 Nozzle Weld</u>	<u>Deferred</u>
				<u>(3 in. Shell Inlet)</u>	
<u>4-6</u>	<u>B-B</u>	<u>B2.51</u>	<u>UT</u>	<u>A-1 Head-to-Spool</u>	<u>Acceptable</u>
<u>4-7</u>	<u>B-H</u>	<u>B8.40</u>	<u>PT</u>	<u>BS-2 Inner Support -</u>	<u>Deferred</u>
				<u>Outer Edge</u>	
<u>4-8</u>	<u>B-B</u>	<u>B2.51</u>	<u>UT</u>	<u>C-1 Head-to-Spool</u>	<u>Deleted</u>
<u>4-9</u>	<u>B-K-1</u>	<u>B10.10</u>	<u>PT</u>	<u>3-RCS-102-44-PS</u>	<u>See Table 1</u>
				<u>Welded Pipe Support</u>	

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<u>EXAM NO.</u> <u>ACTY NO</u>	<u>ASME SECT XI</u> <u>ITEM NO.</u>	<u>ASME SECT XI</u> <u>CATEGORY</u>	<u>EXAM</u> <u>METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>6-1</u>	<u>B-F</u>	<u>B5.30</u>	<u>PT</u>	<u>17-MRS-113-1</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Nozzle B3-to-Safe End</u> <u>(IGSCC Susceptible)</u>	
<u>6-2</u>	<u>B-F</u>	<u>B5.30</u>	<u>PT</u>	<u>17-MRS-114-1</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Nozzle B4-to-Safe End</u> <u>(IGSCC Susceptible)</u>	
<u>6-3</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>Remote</u>	<u>17-MRS-111-5-PR</u>	<u>See Table 1</u>
			<u>V-3</u>	<u>Pipe Restraint</u>	
<u>6-4</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>17-MRS-113-2</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Safe End-to-Pipe</u> <u>(IGSCC Susceptible)</u>	
<u>6-5</u>	<u>B-J</u>	<u>B9.12</u>	<u>PT</u>	<u>14-MRS-101-5-LU</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Longitudinal Weld</u> <u>(1 Ft. of Weld)</u>	
<u>6-6</u>	<u>B-J</u>	<u>B9.12</u>	<u>PT</u>	<u>14-MRS-101-5-LD</u>	<u>Deleted</u>
			<u>UT</u>	<u>Longitudinal Weld</u> <u>(1 Ft. of Weld)</u>	
<u>6-7</u>	<u>B-J</u>	<u>B9.12</u>	<u>PT</u>	<u>14-MRS-101-6-LU</u>	<u>Deleted</u>
			<u>UT</u>	<u>Longitudinal Weld</u> <u>(1 Ft. of Weld)</u>	
<u>6-8</u>	<u>B-J</u>	<u>B9.12</u>	<u>PT</u>	<u>14-MRS-103-5-LU</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Longitudinal Weld</u> <u>(1 Ft. of Weld)</u>	
<u>6-9</u>	<u>B-J</u>	<u>B9.12</u>	<u>PT</u>	<u>14-MRS-103-5-LD</u>	<u>Deleted</u>
			<u>UT</u>	<u>Longitudinal Weld</u> <u>(1 Ft. of Weld)</u>	

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<u>EXAM NO. ACTY NO</u>	<u>ASME SECT XI ITEM NO.</u>	<u>ASME SECT XI CATEGORY</u>	<u>EXAM METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>6-10</u>	<u>B-J</u>	<u>B9.12</u>	<u>PT</u>	<u>14-MRS-103-6-LU</u>	<u>Deleted</u>
			<u>UT</u>	<u>Longitudinal Weld</u> <u>(1 Ft. of Weld)</u>	
<u>6-11</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>Remote</u>	<u>17-MRS-111-3-PR</u>	<u>Acceptable</u>
			<u>VT-3</u>	<u>Pipe Restraint</u>	
<u>7-1</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>3-RCS-101-47-PLR</u>	<u>Deferred</u>
			<u>VT-4</u>	<u>Pipe Lug Restraint</u>	
<u>7-2</u>	<u>B-G-2</u>	<u>B7.50</u>	<u>VT-1</u>	<u>3-RCS-101-55-BT</u>	<u>Acceptable</u>
				<u>Flange Bolting</u>	
<u>7-3</u>	<u>B-J</u>	<u>B9.21</u>	<u>PT</u>	<u>3-RCS-101-59</u>	<u>Acceptable</u>
				<u>Pipe-to-Reducer</u> <u>(Dissimilar Metal)</u>	
<u>7-4</u>	<u>B-J</u>	<u>B9.21</u>	<u>PT</u>	<u>2-RCS-101-67</u>	<u>Acceptable</u>
				<u>Tee-to-Reducer</u>	
<u>7-5</u>	<u>B-J</u>	<u>B9.21</u>	<u>PT</u>	<u>3-RCS-101-68</u>	<u>Acceptable</u>
				<u>Reducer-to-Pipe</u>	
<u>7-6</u>	<u>B-J</u>	<u>B9.21</u>	<u>PT</u>	<u>3-RCS-101-80</u>	<u>Acceptable</u>
				<u>Pipe-to-Elbow</u>	
<u>7-7</u>	<u>B-J</u>	<u>B9.21</u>	<u>PT</u>	<u>3-RCS-101-81</u>	<u>Acceptable</u>
				<u>Elbow-to-Pipe</u>	
<u>7-8</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>3-RCS-101-85-PR</u>	<u>Acceptable</u>
			<u>VT-4</u>	<u>Pipe Restraint</u>	
<u>7-9</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-RCS-106-2</u>	<u>Acceptable</u>
				<u>Pipe-to-Elbow</u>	
<u>7-10</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-RCS-106-3</u>	<u>Acceptable</u>
				<u>Elbow-to-Pipe</u>	

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<u>EXAM NO. ACTY NO</u>	<u>ASME SECT XI ITEM NO.</u>	<u>ASME SECT XI CATEGORY</u>	<u>EXAM METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>7-11</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>2-RCS-106-3-PR</u>	<u>Acceptable</u>
			<u>VT-4</u>	<u>Pipe Restraint</u>	
<u>8-1</u>	<u>B-B</u>	<u>B2.52</u>	<u>UT</u>	<u>205 - Lower</u>	<u>Acceptable</u>
				<u>Longitudinal Weld</u>	
				<u>(1st 1 Ft. of Weld)</u>	
<u>8-2</u>	<u>B-D</u>	<u>B3.150</u>	<u>UT</u>	<u>212 Influent</u>	<u>Acceptable</u>
				<u>Nozzle-to-Shell</u>	
<u>8-3</u>	<u>B-D</u>	<u>B3.150</u>	<u>UT</u>	<u>215 Resin Outlet</u>	<u>Acceptable</u>
				<u>Nozzle-to-Shell</u>	
<u>8-4</u>	<u>B-G-2</u>	<u>B7.40</u>	<u>VT-1</u>	<u>211-BT</u>	<u>Acceptable</u>
				<u>Blank Head Flange</u>	
				<u>Bolting</u>	
<u>8-5</u>	<u>B-H</u>	<u>B8.40</u>	<u>PT</u>	<u>No. 1 Vessel Support</u>	<u>Acceptable</u>
				<u>(Located at Vessel 90°)</u>	
<u>8-6</u>	<u>B-K-1</u>	<u>B10.10</u>	<u>PT</u>	<u>2-RCS-103-1-PS</u>	<u>Acceptable</u>
				<u>Welded Pipe Support</u>	
<u>8-7</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u>	<u>3-RCS-103-1-PSS</u>	<u>Acceptable</u>
			<u>VT-4</u>	<u>Pipe Support Structure</u>	
<u>8-8</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-RCS-104-3</u>	<u>Acceptable</u>
				<u>Valve-to-Pipe</u>	
<u>8-9</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-RCS-104-3</u>	<u>Acceptable</u>
				<u>Tee-to-Pipe</u>	
<u>8-10</u>	<u>B-G-2</u>	<u>B7.70</u>	<u>VT-1</u>	<u>2-RCS-107-RCS-CK-3-BT</u>	<u>See Table 1</u>
				<u>Valve Bolting</u>	
<u>9-1</u>	<u>B-J</u>	<u>B9.40</u>	<u>PT</u>	<u>2-CRD-101-4</u>	<u>Acceptable</u>
				<u>Tee-to-Pipe</u>	

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Table -

<u>EXAM NO.</u> <u>ACTY NO</u>	<u>ASME SECT XI</u> <u>ITEM NO.</u>	<u>ASME SECT XI</u> <u>CATEGORY</u>	<u>EXAM</u> <u>METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>9-2</u>	<u>B-J</u>	<u>B9.10</u>	<u>PT</u>	<u>2-CRD-101-11</u> <u>Pipe-to-Elbow</u>	<u>Acceptable</u>
<u>9-3</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u> <u>VT-4</u>	<u>2-CRD-111-6-PR-1</u> <u>Pipe Restraint</u>	<u>Acceptable</u>
<u>9-4</u>	<u>B-K-2</u>	<u>B11.10</u>	<u>VT-3</u> <u>VT-4</u>	<u>2-CRD-111-6-PR-2</u> <u>Pipe Restraint</u>	<u>Acceptable</u>
<u>9-5</u>	<u>C-E</u>	<u>C3.50</u>	<u>VT-3</u>	<u>6-CRD-201-7-PR</u> <u>Pipe Restraint</u>	<u>Acceptable</u>
<u>9-6</u>	<u>C-C</u>	<u>C3.10</u>	<u>PT</u>	<u>Support No. 3</u> <u>South Vessel Support</u>	<u>Acceptable</u>
<u>9-7</u>	<u>C-C</u>	<u>C3.10</u>	<u>VT-3</u>	<u>Support No. 3</u> <u>South Vessel Support</u>	<u>Acceptable</u>
<u>11-1</u>	<u>B-G-2</u>	<u>B7.50</u>	<u>VT-1</u>	<u>1.5-MSS-117-11-BT</u> <u>Flange Bolting</u>	<u>Acceptable</u>
<u>11-2</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u> <u>UT</u>	<u>4-RDC-101-3</u> <u>Valve MO-7071-to-Pipe</u> <u>(IGSCC Susceptible)</u>	<u>Acceptable</u>
<u>11-3</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u> <u>UT</u>	<u>4-RDC-101-30</u> <u>Elbow-to-Flange</u> <u>(IGSCC Susceptible)</u>	<u>Acceptable</u>
<u>11-4</u>	<u>B-J</u>	<u>B9.11</u>	<u>PT</u>	<u>4-RDC-101-31</u> <u>Flange-to-Flange</u> <u>(IGSCC Susceptible)</u>	<u>Acceptable</u>
<u>12-1</u>	<u>C-G</u>	<u>C6.20</u>		<u>Welds</u>	<u>Deleted</u>

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Table 2

<u>EXAM NO.</u> <u>ACTY NO</u>	<u>ASME SECT III</u> <u>ITEM NO.</u>	<u>ASME SECT XI</u> <u>CATEGORY</u>	<u>EXAM</u> <u>METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>16-1</u>	<u>C-F</u>	<u>C5.21</u>	<u>PT</u>	<u>10-FWS-201-42</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Pipe-to-Valve VFW-305</u>	
<u>16-2</u>	<u>C-F</u>	<u>C5.21</u>	<u>PT</u>	<u>10-FWS-201-42A</u>	<u>Acceptable</u>
			<u>UT</u>	<u>Valve VFW-305-tr-Pipe</u>	
<u>17-1</u>	<u>C-E</u>	<u>C3.50</u>	<u>VT-3</u>	<u>6-FWS-204-2-PR</u>	<u>Acceptable</u>
				<u>Pipe Restraint</u>	
<u>17-2</u>	<u>C-E</u>	<u>C3.50</u>	<u>VT-3</u>	<u>6-FWS-205-7-PR</u>	<u>Acceptable</u>
				<u>Pipe Restraint</u>	
<u>17-3</u>	<u>C-G</u>	<u>C6.20</u>	<u>PT</u>	<u>6-FWS-204-VFW-300</u>	<u>Deleted</u>
				<u>Valve Body Welds</u>	
<u>17-4</u>	<u>C-F</u>	<u>C5.11 C5.10</u>	<u>VT-1</u>	<u>T-40</u>	<u>Acceptable</u>
			<u>PT</u>	<u>Transfer Line</u>	
<u>19-1</u>	<u>Aug.</u>		<u>UT</u>	<u>CRD F-2</u>	<u>Acceptable</u>
				<u>"J" Weld</u>	
<u>19-2</u>	<u>Aug.</u>		<u>UT</u>	<u>CRD F-2</u>	<u>Acceptable</u>
				<u>Housing</u>	
<u>19-3</u>	<u>Aug.</u>		<u>UT</u>	<u>CRD F-2</u>	<u>Acceptable</u>
				<u>Reactor Vessel Wall</u>	
<u>19-4</u>	<u>Aug.</u>		<u>UT</u>	<u>CRD F-2</u>	<u>Acceptable</u>
				<u>Stub Tube-to-Vessel Wall</u>	
<u>19-5</u>	<u>B-E</u>	<u>B4.13</u>	<u>VT-2</u>	<u>Control Rod Drive</u>	<u>Acceptable</u>
				<u>"J" Weld CRD-8 (E-1)</u>	
<u>19-6</u>	<u>B-E</u>	<u>B4.13</u>	<u>VT-2</u>	<u>Control Rod Drive</u>	<u>Acceptable</u>
				<u>"J" Weld CRD-18 (B-5)</u>	

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<u>EXAM NO.</u> <u>ACTY NO</u>	<u>ASME SECT XI</u> <u>ITEM NO.</u>	<u>ASME SECT XI</u> <u>CATEGORY</u>	<u>EXAM</u> <u>METHOD</u>	<u>COMPONENT IDENTIFICATION</u>	<u>EXAMINATION RESULTS</u>
<u>19-7</u>	<u>B-E</u>	<u>B4.13</u>	<u>VT-2</u>	<u>Control Rod Drive</u> <u>"J" Weld CRD-27 (E-3)</u>	<u>Acceptable</u>

CLASS 2 & 3 HYDROSTATIC PRESSURE TESTS

<u>Asme Section XI Item No.</u>	<u>Asme Section XI Category</u>	<u>Exam Method</u>	<u>System Identification</u>	<u>Examination</u>
C-H	C7.11 C7.21 C7.31 C7.41	VT-2	Control Rod Drive System	<u>Acceptable</u>
C-H	C7.11 C7.21 C7.41	VT-2	Feedwater System	<u>Acceptable</u>
C-H	C7.21 C7.41	VT-2	Condensate System	<u>Acceptable</u>
C-H	C7.21 C7.41	VT-2	Cleanup System Blowdown Piping	<u>Acceptable</u>
D-C	D.3.1	VT-2	Control Rod Drive System	<u>Acceptable</u>
D-C	D.3.1	VT-2	Feedwater System	<u>Acceptable</u>
D-C	D.3.1	VT-2	Condensate System	<u>Acceptable</u>
D-C	D.3.1	VT-2	Cleanup System Blowdown Piping	<u>Acceptable</u>