

Wisconsin Electric Power Co.
231 West Michigan Avenue
Milwaukee, WI 53201
Point Beach Nuclear Plant, Unit 2
6610 Nuclear Road
Two Rivers, WI 54241
Docket 50-301
Commercial Service Date 10/01/72

UNIT 2 REFUELING 18

INSERVICE INSPECTION SUMMARY REPORT

FOR

FORM NIS-1

Written by: James B. Beards Date: 2-10-93

Reviewed by: Jim + P. W. H. Date: 2-10-93

Approved by: Tom Staska Date: 2-10-93

Acronyms

ASME	American Society of Mechanical Engineers
CCW	Component Cooling Water
EBASCO	EBASCO Services Incorporated
IDR	Indication Disposition Report
IN	Information Notice
ISI	Inservice Inspection
LTP	Long Term Plan
MT	Magnetic Particle Examination
MWR	Maintenance Work Request
NDE	Nondestructive Examination
NES	Nuclear Engineering Section
NRC	Nuclear Regulatory Commission
PBNP	Point Beach Nuclear Plant
P-G	Phillips Getschow
PT	Dye Penetrant Examination
PWA	Professional Welding Associates
QTS	Quality Technical Services
RT	Radiographic Examination
UT	Ultrasonic Examination
VT	Visual Examination
WE	Wisconsin Electric Power Company

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UNIT 2 REFUELING 18 INSERVICE INSPECTION SUMMARY

1.0 INTRODUCTION

From November 12, 1991 to November 16, 1992, non-destructive examinations of selected components at PBNP Unit 2 were performed. These examinations constitute the fourth examination of the third period, and the last examination of the second 10-year interval at PBNP Unit 2. The time interval for this examination period included the Unit 2 Refueling 18 outage that ran from September 25, 1992 to November 16, 1992.

2.0 ABSTRACT OF EXAMINATIONS

2.1 Determination of Scope

Components and system areas were selected for examination in accordance with the following:

- 2.1.1 PBNP FSAR, Technical Specification Section 15.4.2.B
- 2.1.2 Long Term Inservice Examination Plan for Class 1, Class 2, and systems at Point Beach Nuclear Plant, Second Interval, Unit 2.
- 2.1.3 NRC IE Bulletin 82-02
- 2.1.4 Requests of PBNP Personnel
- 2.1.5 Condition Report CR 92-004 (SG Feedwater Nozzles)

2.2 Scope of Component Weld Examinations

Representative samples of the following components and system areas were examined with NDE techniques by WE (QTS), EBASCO, Phillips Getschow (P-G) and Professional Welding Associates (PWA) personnel.

Reactor Pressure Vessel

A Steam Generator

B Steam Generator

A Reactor Coolant Pump

B Reactor Coolant Pump

Pressurizer

Class 1 Pressure Retaining Valve Bolting

Regenerative Heat Exchanger

Class 1 Piping and Supports

Class 2 Piping and Pipe Supports

Class 3 Pipe Supports

2.3 Completed Component/Weld Examinations

<u>CODE or HEADING</u>	<u>DESCRIPTION</u>
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Outage	A description of exam. "Y" exam completed during the outage, scheduled EACH interval. "B" exam completed during the outage, scheduled ONCE during plant life.
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Indicate	A description of indications (i.e., N = no indications, R = recordable indications, I = insignificant or non-relevant indications, G = geometry).
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Following are database printouts that summarize the ISI examinations that were performed during the Unit 2 Refueling 18 outage.

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Section XI Examinations

WISCONSIN ELECTRIC POWER COMPANY
231 WEST MICHIGAN AVENUE
MILWAUKEE, WISCONSIN 53201

POINT BEACH NUCLEAR PLANT, UNIT 2
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AREA	ITEM CAT	FIGURE	METHOD CAL BLOCK	OUTAGE 123456789 10	SUM. SHEET INDICATION	REMARKS
COMPONENT: ACS PIPING						
AC-06-RHR-2001-02 ELBOW TO PIPE	C5.11 C-F	B-20	PT	Y----- Y	92U2451P003 N	DATA SHEET NOT FOUND FOR OUT1 - CREDIT TAKEN FOR OUT10.
AC-06-SI-2003-06 PIPE TO ELBOW	C5.11 C-F	B-22	PT	Y----- Y	92U2451P002 N	DATA SHEET NOT FOUND FOR OUT1 - CREDIT TAKEN FOR OUT10.
AC-08-RHR-2006-10 PIPE TO TEE	C5.11 C-F	B-13	PT	-----B- B	92U2451P005 N	DATA SHEET NOT FOUND FOR OUT8 - CREDIT TAKEN FOR OUT10.
AC-10-SI-2001-10 PIPE TO ELBOW	B9.11 B-J	A-23	PT	Y----- Y	92U2451P004 N	DATA SHEET NOT FOUND FOR OUT1 - CREDIT TAKEN FOR OUT10.
AC-10-SI-2001-10 PIPE TO ELBOW	B9.11 B-J	A-23	UT 51-PTB	Y----- Y	92U286P002 N	DATA SHEET NOT FOUND FOR OUT1 - CREDIT TAKEN FOR OUT10.
COMPONENT: ACS SUPPORT COMPONENTS						
AC-06-SI-2003-06-2H18 PIPE HANGER	F-1,2,3 F-C	B-22	VT-3	Y----- Y	92U2750P059 R	IDR 92U2 7P020 CREDIT BEING TAKEN FOR OUT10. LOOSE NUT-MWR925651.
AC-08-RHR-2002-06-2H4 PIPE SUPPORT	F-1-4 F-C	B-16	VT-3	----- Y	92U2750P008 N	
COMPONENT: CVCS SUPPORT COMPONENTS						
CVC-02-AS-2001-(18PRB) PIPE SUPPORT	F-1,2,3 F-B	A-40	VT-3	----- Y	92U2750P056 N	
CVC-02-LD-2001-29PSS-D PIPE SUPPORT	F-1,2,3 F-B	A-46	VT-3	----- Y	92U2750P012 N	

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AREA	ITEM	FIGURE	METHOD	OUTAGE	SUM. SHEET	REMARKS
	CAT		CAL BLOCK	123456789 10	INDICATION	
COMPONENT: MS PIPING						
MS-30-MS-2001-04LDI INSIDE LONG WELD	C5.22	B-30	MT	-----	B 92U2350P013	
	C-F				N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-04LDI INSIDE LONG WELD	C5.22	B-30	UT	-----	B 92U2161P011	
	C-F		45-PTB		N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-04LDO OUTSIDE LONG WELD	C5.22	B-30	MT	-----	B 92U2350P015	
	C-F				N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-04LDO OUTSIDE LONG WELD	C5.22	B-30	UT	-----	B 92U2161P012	
	C-F		45-PTB		N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-04LU LONG WELD	C5.22	B-30	MT	-----	B 92U2350P014	
	C-F				N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-04LU LONG WELD	C5.22	B-30	UT	-----	B 92U2161P010	
	C-F		45-PTB		N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-18 PIPE TO TEE	C5.21	B-32	MT	-----	B 92U2350P011	
	C-F				N	
MS-30-MS-2001-18LDI INSIDE LONG WELD	C5.22	B-32	MT	-----	B 92U2350P007	
	C-F				N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.

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MS-30-MS-2001-18LD1 INSIDE LONG WELD	C5.22 C-F	B-32	UT 47-PTB	-----	B 92U2161P005 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-18LDO OUTSIDE LONG WELD	C5.22 C-F	B-32	MT	-----	B 92U2350P006 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-18LDO OUTSIDE LONG WELD	C5.22 C-F	B-32	UT 47-PTB	-----	B 92U2161P006 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-18LU LONG WELD	C5.22 C-F	B-32	MT	-----	B 92U2350P008 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-18LU LONG WELD	C5.22 C-F	B-32	UT 46-PTB	-----	B 92U2161P002 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-19 TEE TO VALVE	C5.21 C-F	B-32	MT	-----	B 92U2350P012 N	
MS-30-MS-2001-19LUI INSIDE LONG WELD	C5.22 C-F	B-32	MT	-----	B 92U2350P009 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-19LUI INSIDE LONG WELD	C5.22 C-F	B-32	UT 47-PTB	-----	B 92U2161P004 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.

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MS-30-MS-2001-19LUO OUTSIDE LONG WELD	C5.22 C-F	B-32	MT	-----	B 92U2350P010 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2001-19LUO OUTSIDE LONG WELD	C5.22 C-F	B-32	UT 47-PTB	-----	B 92U2161P003 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2002-06L01 INSIDE LONG WELD	C5.22 C-F	B-31	MT	-----	B 92U2350P018 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2002-06L01 INSIDE LONG WELD	C5.22 C-F	B-31	UT 46-PTB	-----	B 92U2161P015 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2002-06L00 OUTSIDE LONG WELD	C5.22 C-F	B-31	MT	-----	B 92U2350P017 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2002-06L00 OUTSIDE LONG WELD	C5.22 C-F	B-31	UT 46-PTB	-----	B 92U2161P014 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2002-06LU LONG WELD	C5.22 C-F	B-31	MT	-----	B 92U2350P016 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2002-06LU LONG WELD	C5.22 C-F	B-31	UT 46-PTB	-----	B 92U2161P013 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.

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	CAT		CAL BLOCK	123456789 10	INDICATION	
MS-30-MS-2002-19LD LONG WELD	C5.22 C-F	B-33	MT	----- B	92U2350P001 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MS-2002-19LD LONG WELD	C5.22 C-F	B-33	UT 46-PTB	----- B	92U2161P001 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MSR-2001-01LD LONG WELD	C5.22 C-F	B-32	MT	----- B	92U2350P003 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MSR-2001-01LD LONG WELD	C5.22 C-F	B-32	UT 47-PTB	----- B	92U2161P009 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MSR-2001-01LUI INSIDE LONG WELD	C5.22 C-F	B-32	MT	----- B	92U2350P005 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MSR-2001-01LUI INSIDE LONG WELD	C5.22 C-F	B-32	UT 47-PTB	----- B	92U2161P008 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MSR-2001-01LUO OUTSIDE LONG WELD	C5.22 C-F	B-32	MT	----- B	92U2350P004 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.
MS-30-MSR-2001-01LUO OUTSIDE LONG WELD	C5.22 C-F	B-32	UT 47-PTB	----- B	92U2161P007 N	SEAM ADDED AND SCHEDULED FOR OUT10 DUE TO LETTER HSB050792 TO MEET SECTION XI REQUIREMENT.

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COMPONENT: RCP B						
#1 SLBLT 01 THRU 18	B7.60 B-G-2	A-10	VT-1	----- Y	92U2750P048 N	COMPONENT ADDED DURING OUT10.
COMPONENT: RCS SUPPORT COMPONENTS						
RC-02-BP-2001-12PSSA-1 PIPE HANGER	F-1,2,3 F-B	A-44	VT-3	----- Y	92U2750P015 R	IDR 92U2 7P008 MISSING SHIMS ACCEPTABLE FOR USE.
RC-02-BP-2001-12PSSB-1 PIPE HANGER	F-1,2,3 F-B	A-44	VT-3	----- Y	92U2750P030 R	IDR 92U2 7P006 MISSING SHIMS ACCEPTABLE FOR USE.
RC-02-BP-2002-12PSSA-2 PIPE HANGER	F-1,2,3 F-B	A-44	VT-3	----- Y	92U2750P014 R	IDR 92U2 7P005 MISSING SHIMS ACCEPTABLE FOR USE.
RC-02-BP-2002-12PSSB-2 PIPE HANGER	F-1,2,3 F-B	A-44	VT-3	----- Y	92U2750P016 R	IDR 92U2 7P007 MISSING SHIMS ACCEPTABLE FOR USE.
RC-02-DR-2001-12PSS PIPE SUPPORT	F-1,2,3 F-B	A-46	VT-3	----- Y	92U2750P019 N	
RC-02-DR-2002-03PH PIPE SUPPORT	F-1,2,3 F-B	A-47	VT-3	----- Y	92U2750P018 N	
RC-02-DR-2002-09PH PIPE SUPPORT	F-1,2,3 F-B	A-47	VT-3	----- Y	92U2750P017 N	
RC-03-PS-2002-R-30/S-38 PIPE SUPPORT	F-1,2,3 F-B	A-34	VT-3	-Y----- Y	92U2750P075 N	

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	CAT		CAL BLOCK	123456789 10	INDICATION	
RC-03-PSF-2002-HS-45 PIPE RESTRAINT	F-1-4 F-C	A-35	VT-3	----- Y	92U2750P028 N	
RC-03-PSF-2003-HS-44 PIPE RESTRAINT	F-1-4 F-C	A-35	VT-3	----- Y	92U2750P029 N	
RC-06-SI-2002-RC-26 PIPE HANGER	F-1-4 F-C	A-32	VT-3	----- Y	92U2750P046 R	IDR 92U2 7P013 MOUNTING PLATE NOT FLUSH WITH WALL ACCEPTABLE FOR USE-MWR925575.
RC-06-SI-2002-RC-26 PIPE HANGER	F-1-4 F-C	A-32	VT-4	----- Y	92U2750P046 R	IDR 92U2 7P013 MOUNTING PLATE NOT FLUSH WITH WALL ACCEPTABLE FOR USE-MWR925575.
COMPONENT: SIS PIPING						
SIS-02-SI-2002-05 PIPE TO ELBOW	B9.40 B-J	A-49	PT	Y----- Y	92U2451P001 N	DATA SHEET NOT FOUND FOR OUT1 - CREDIT TAKEN FOR OUT10.
COMPONENT: SIS SUPPORT COMPONENTS						
SIS-02-SI-2001-08PR PIPE SUPPORT	F-1,2,3 F-B	A-48	VT-3	----- Y	92U2750P055 N	
SIS-02-SI-2001-10PHE PIPE SUPPORT	F-1,2,3 F-B	A-48	VT-3	----- Y	92U2750P045 N	
SIS-02-SI-2001-10PHG PIPE SUPPORT	F-1,2,3 F-B	A-48	VT-3	----- Y	92U2750P044 N	

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SIS-02-SI-2002-12PHC PIPE HANGER	F-1,2,3 F-B	A-49	VT-3	----- Y	92U2750P039 N	
SIS-02-SI-2002-16PHE PIPE HANGER	F-1,2,3 F-B	A-49	VT-3	----- Y	92U2750P041 N	
SIS-02-SI-2002-16PHF PIPE HANGER	F-1,2,3 F-B	A-49	VT-3	----- Y	92U2750P040 N	
SIS-02-SI-2003-10PHF PIPE HANGER	F-1,2,3 F-B	A-50	VT-3	----- Y	92U2750P034 N	
SIS-02-SI-2003-10PHH PIPE HANGER	F-1,2,3 F-B	A-50	VT-3	----- Y	92U2750P033 N	FORMERLY 10PHG
SIS-02-SI-2003-11-PHA PIPE SUPPORT	F-1,2,3 F-B	A-50	VT-3	----- Y	92U2750P022 N	
SIS-02-SI-2003-11-PHB PIPE SUPPORT	F-1,2,3 F-B	A-50	VT-3	----- Y	92U2750P023 N	
SIS-02-SI-2003-11-PHC PIPE SUPPORT	F-1,2,3 F-B	A-50	VT-3	----- Y	92U2750P031 R	IDR 92U2 7P009 SEE CONDITION REPORT 92754 ACCEPTABLE FOR USE.
SIS-02-SI-2003-11-PHD PIPE SUPPORT	F-1,2,3 F-B	A-50	VT-3	----- Y	92U2750P021 N	
SIS-02-SI-2003-11-PHE PIPE SUPPORT	F-1,2,3 F-B	A-50	VT-3	----- Y	92U2750P024 N	

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SIS-02-SI-2004-08-PHD PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P035 N	
SIS-02-SI-2004-10-PH PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P038 N	
SIS-02-SI-2004-12-PH PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P047 N	
SIS-02-SI-2004-12-PHB PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P037 N	
SIS-02-SI-2004-13-PHA PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P010 R	IDR 92U2 7P011 MISSING WASHER AND GAP ACCEPTABLE FOR USE.
SIS-02-SI-2004-13-PHB PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P009 R	IDR 92U2 7P010 MISSING WASHER AND GAP ACCEPTABLE FOR USE.
SIS-02-SI-2004-14-PHA PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P025 N	
SIS-02-SI-2004-14-PHB PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P026 N	
SIS-02-SI-2004-14-PHC PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P027 N	
SIS-02-SI-2004-20-PHC PIPE SUPPORT	F-1,2,3 F-B	A-51	VT-3	----- Y	92U2750P011 R	IDR 92U2 7P012 MISSING WASHER AND GAP ACCEPTABLE FOR USE.

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SIS-06-SI-2005-S250 PIPE SUPPORT	F-1,2,3 F-B	B-25	VT-3	----- Y	92U2750P007 R	IDR 92U2 7P002 LIGHT RUST ACCEPTABLE FOR USE.
SIS-06-SI-2007-2R24 PIPE SUPPORT	F-1,2,3 F-C	B-27	VT-3	----- Y	92U2750P042 N	
SIS-06-SI-2008-H201A PIPE SUPPORT	F-1,2,3 F-B	B-28	VT-3	----- Y	92U2750P004 N	
SIS-06-SI-2008-R96 PIPE SUPPORT	F-1,2,3 F-B	B-29	VT-3	----- Y	92U2750P043 N	
SIS-10-SI-2003-R-53 PIPE SUPPORT	F-1-4 F-C	A-25	VT-3	----- Y	92U2750P013 N	COMPONENT ADDED AS A RESULT OF IEB 79-14.
COMPONENT: SW SYSTEM SUPPORT COMPONENTS						
SW TO 2HX15A-2H92 PIPE SUPPORT	F-1,2,3 F-B	310	VT-3	----- Y	92U2750P005 N	
SW TO 2HX15A-R188 PIPE SUPPORT	F-1,2,3 F-B	310	VT-3	----- Y	92U2750P032 N	FORMERLY R100
SW TO 2HX15B-H50 PIPE SUPPORT	F-1,2,3 F-B	308	VT-3	----- Y	92U2750P006 R	IDR 92U2 7P001 CRACKED GROUT ACCEPTABLE FOR USE.
COMPONENT: VALVES: WELDED BODY						
RH-701 (88904-1)	B12.30 B-M-1	A-22	UT 35-PTB	----- Y	92U286P001 N	THIS VALVE IS TO BE EXAMINED BY WEPCO PERSONNEL DURING THE INTERVAL. 10' VELAN GATE VALVE

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Additional Examinations

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ADDITIONAL EXAMINATIONS

AREA	ITEM	FIGURE	METHOD	OUTAGE	SUM. SHEET	REMARKS
	CAT		CAL BLOCK	123456789 10	INDICATION	
COMPONENT: ACS SUPPORT COMPONENTS						
AC-10-RHR-2006-R-42/16 PIPE SUPPORT	F-1,2,3 F-B	B-14	VT-3	-Y----- Y	92U2750P060 N	OUT10 IS AN ADDITIONAL EXAM AS A RESULT OF IDR 92U2 7P014.
COMPONENT: SW SYSTEM SUPPORT COMPONENTS						
SW TO 2HX15B-HA21/M-82 PIPE RESTRAINT	F-1,2,3 F-B	308	VT-3	-Y----- Y	92U2750P063 N	OUT10 IS AN ADDITIONAL EXAM AS A RESULT OF IDR 92U2 7P001.
SW TO 2HX15C-2H116/2156 PIPE SUPPORT	F-1,2,3 F-B	311	VT-3	-----Y- Y	92U2750P062 N	OUT10 IS AN ADDITIONAL EXAM AS A RESULT OF IDR 92U2 7P001.
SW TO 2HX15D-H118/2158 PIPE SUPPORT	F-1,2,3 F-B	309	VT-3	-----Y--- Y	92U2750P061 N	OUT10 IS AN ADDITIONAL EXAM AS A RESULT OF IDR 92U2 7P001. ORIGINALLY SCHEDULED FOR OUT7

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Preservice/Baseline Examinations

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PRESERVICE/BASELINE EXAMINATIONS

AREA	ITEM	FIGURE	METHOD	OUTAGE	SUM. SHEET	REMARKS
	CAT		CAL BLOCK	123456789 10	INDICATION	
COMPONENT: ACS SUPPORT COMPONENTS						
AC-06-SI-2002-R2315 PIPE SUPPORT	F-1,2,3 F-B	B-21	VT-3	-Y----- Y	92U2750P067 N	PRESERVICE EXAM DUE TO MOD MR-90-052B. SECTION XI EXAM OUT2. PRESERVICE EXAM OUT10.
AC-06-SI-2003-R2315 PIPE SUPPORT	F-1,2,3 F-B	B-22	VT-3	-----Y-- Y	92U2750P066 N	PRESERVICE EXAM DUE TO MOD MR-90-052B. SECTION XI EXAM OUT7. PRESERVICE EXAM OUT10.
AC-08-RHR-2002-R2324 PIPE SUPPORT	F-1-4 F-C		VT-3	----- Y	92U2750P050 N	OUT10 PRESERVICE EXAM. COMPONENT ADDED AS A RESULT OF MOD. MR-90-052B.
AC-10-AC-2001-AC-2/2-7017 PIPE HANGER	F-1-4 F-C	A-22	VT-3	-----Y- Y	92U2750P071 R	IDR 92U2 7P021 LOCK NUT ON EAST SPRING NOT FULLY ENGAGED. ACCEPTABLE FOR USE. PRESERVICE EXAM OUT10.
AC-10-AC-2001-AC-2/2-7017 PIPE HANGER	F-1-4 F-C	A-22	VT-4	-----Y- Y	92U2750P071 R	IDR 92U2 7P021 LOCK NUT ON EAST SPRING NOT FULLY ENGAGED. ACCEPTABLE FOR USE. PRESERVICE EXAM OUT10.
AC-10-RHR-2005-R2347A PIPE SUPPORT	F-1-4 F-C		VT-3	----- Y	92U2750P054 N	OUT10 PRESERVICE EXAM. COMPONENT ADDED AS A RESULT OF MOD. MR-90-052B.
AC-10-RHR-2006-R-40/23 PIPE SUPPORT	F-1,2,3 F-B	B-14	VT-3	---Y----- Y	92U2750P068 N	PRE-SERVICE EXAM DURING OUT10 DUE TO INSTALLATION OF SHIMS.
AC-10-RHR-2006-R-41/523 PIPE SUPPORT	F-1,2,3 F-B	B-14	VT-3	-----Y-- Y	92U2750P049 R	REF. 89PB2-INR-004, CHIPPED CONCRETE. PRE-SERVICE EXAM DURING OUT10 DUE TO INSTALLATION OF SHIMS. OUT10 IDR 92U2 7P014 BROKEN TACK WELDS. OUT10-CR92685 FOR OPERABILITY-MWR 925660 FOR REPAIR-92U2750P069 PRESERVICE.

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PRESERVICE/BASELINE EXAMINATIONS

AREA	ITEM	FIGURE	METHOD	OUTAGE	SUM. SHEET	REMARKS
	CAT		CAL BLOCK	123456789 10	INDICATION	
COMPONENT: CVCS SUPPORT COMPONENTS						
CVC-02-AS-2001-25PR-C PIPE RESTRAINT	F-1,2,3	A-40	VT-3	-----Y Y	92U2750M019	RESCHEDULED FROM OUT3 (U2R11). 1 ANCHOR BOLT IS CUT OFF AT THE WALL. REF. IDR 7-P-007; SEE CONDITION REPORT 91-435 FOR EVALUATION. ACCEPTED FOR USE. OUT10 - 92U2 750M019 (U2R18) FOR VT-3 AFTER REPAIR OF BOLT MWR 914993.
	F-B				N	

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Augmented Examinations

In conjunction with the augmented examinations listed in the attached table, ultrasonic testing was performed on the feedwater nozzles of A and B steam generators in response to Condition Report CR 92-004. Data Sheet 92U286P004 documents this inspection. No recordable indications were noted.

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AUGMENTED EXAMINATIONS

AREA	ITEM	FIGURE	METHOD	OUTAGE	SUM. SHEET	REMARKS
	CAT		CAL BLOCK	123456789 10	INDICATION	
COMPONENT: VALVES: PRESSURE RETAINING BOLTING						
SI-853A	B7.70	A-31	VT-1	-----YY-- Y	92U2750P065	
	B-G-2				N	SURFACE EXAM IN ADDITION TO VT-1 IF VALVE DISASSEMBLED, IAW 1E682-02. EXAM'D IN PLACE, U2R14. ALSO SEE DATA SHEET 92U2353P001. 6' CHECK. ORIGINAL SCHEDULE OUT7. U2R14 DATA SHT 750-P-029 & IDR 7-P-024.

2.4 Pressure Tests

2.4.1 ASME Section XI Pressure Tests

Following are pressure tests that have been conducted as part of the pressure test program at PBNP since the last refueling outage.

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Pressure Tests

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PRESSURE TEST

AREA	ITEM CAT	FIGURE	METHOD CAL BLOCK	OUTAGE 123456789 10	SUM. SHEET INDICATION	REMARKS
COMPONENT: RCP A						
PUMP CASING EXTERIOR	B12.10 B-L-1	A-9	VT-2	-----YYYY Y	N	REQUIRED DURING EACH RCS SYSTEM OR HYDRO TEST.
COMPONENT: RCP B						
PUMP CASING EXTERIOR	B12.10 B-L-1	A-9	VT-2	-----YYYY Y	N	REQUIRED DURING EACH RCS SYSTEM OR HYDRO TEST.
COMPONENT: REGENERATIVE HEAT EXCHANGER						
RHE-N1-IRS INLET NOZZLE INSIDE RADIUS SECTION	B3.160 B-D	A-7	VT-2	-Y-----YYY Y	N	RR-2-11 VT-2 EACH SYST. OR HYDRO TEST IN LIEU OF UT AND VT-1 EACH HYDRO TEST. INSULATION REMOVAL REQUIRED FOR VT-1. RELIEF ALTERNATE EXAM IS VT-2 @ LEAK TEST & VT-1 @ HYDRO TEST
RHE-N12 IRS OUT NOZZLE INSIDE RADIUS SECTION	B3.160 B-D	A-7	VT-2	-----YYY Y	N	RR-2-11 VT-2 EACH SYST OR HYDRO TEST IN LIEU OF UTAND VT-1 EACH HYDRO TEST. INSULATION REMOVAL REQUIRED FOR VT-1. RELIEF ALTERNATE EXAM IS VT-2 @ LEAK TEST & VT-1 @ HYDRO TEST
RHE-N4-IRS OUT NOZZLE INSIDE RADIUS SECTION	B3.160 B-D	A-7	VT-2	-Y-----YYY Y	N	RR-2-11 VT-2 EACH SYST. OR HYDRO TEST IN LIEU OF UT AND VT-1 EACH HYDRO TEST. INSULATION REMOVAL REQUIRED FOR VT-1. RELIEF ALTERNATE EXAM IS VT-2 @ LEAK TEST & VT-1 @ HYDRO TEST
RHE-N5-IRS INLET NOZZLE INSIDE RADIUS SECTION	B3.160 B-D	A-7	VT-2	-----YYY Y	N	RR-2-11 VT-2 EACH SYST. OR HYDRO TEST IN LIEU OF UT & VT-1 EACH HYDRO TEST. INSULATION REMOVAL REQUIRED FOR VT-1. RELIEF ALTERNATE EXAM IS VT-2 @ LEAK TEST & VT-1 @ HYDRO TEST
RHE-N8-IRS OUT NOZZLE INSIDE RADIUS SECTION	B3.160 B-D	A-7	VT-2	----Y-YYY Y	N	RR-2-11 VT-2 EACH SYST. OR HYDRO TEST IN LIEU OF UT & VT-1 EACH HYDRO TEST. INSULATION REMOVAL REQUIRED FOR VT-1. RELIEF ALTERNATE EXAM IS VT-2 @ LEAK TEST & VT-1 @ HYDRO TEST

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PRESSURE TEST

AREA	ITEM	FIGURE	METHOD	OUTAGE	SUM. SHEET	REMARKS
	CAT		CAL BLOCK	123456789 10	INDICATION	
RHE-N9-IRS INLET NOZZLE INSIDE RADIUS SECTION	B3.160 B-D	A-7	VT-2	----Y-YYY Y	N	RR-2-11 VT-2 EACH SYST. OR HYDRO TEST IN LIEU OF UT AND VT-1 EACH HYDRO TEST. INSULATION REMOVAL REQUIRED FOR VT-1. RELIEF ALTERNATE EXAM IS VT-2 @ LEAK TEST & VT-1 @ HYDRO TEST
COMPONENT: SYSTEM PRESSURE TESTS						
PRESSURE RETAINING PIPING COMPONENTS	B15.50 B-P		VT-2/LT	YYYYYY-YY Y	N	TO BE PERFORMED BY WEPKO DURING SYSTEM LEAKAGE TEST. HYDRO IN LIEU OF LEAK TEST IN OUT7 (U2R15) IT-235
PRESSURE RETAINING PRZ COMPONENTS	B15.20 B-P		VT-2/LT	YYYYYY-YY Y	N	TO BE PERFORMED BY WEPKO DURING SYSTEM LEAKAGE TEST. HYDRO IN LIEU OF LEAK TEST IN OUT7 (U2R15) IT-235
PRESSURE RETAINING PUMP COMPONENTS	B15.60 B-P		VT-2/LT	YYYYYY-YY Y	N	TO BE PERFORMED BY WEPKO DURING SYSTEM LEAKAGE TEST. HYDRO IN LIEU OF LEAK TEST IN OUT7 (U2R15) IT-235
PRESSURE RETAINING RHE COMPONENTS	B15.40 B-P		VT-2/LT	YYYYYY-YY Y	N	TO BE PERFORMED BY WEPKO DURING SYSTEM LEAKAGE TEST. HYDRO IN LIEU OF LEAK TEST IN OUT7 (U2R15) IT-235
PRESSURE RETAINING RPV COMPONENTS	B15.10 B-P		VT-2/LT	YYYYYY-YY Y	N	TO BE PERFORMED BY WEPKO DURING SYSTEM LEAKAGE TEST. HYDRO IN LIEU OF LEAK TEST IN OUT7 (U2R15)
PRESSURE RETAINING SG COMPONENTS	B15.30 B-P		VT-2/LT	YYYYYY-YY Y	N	TO BE PERFORMED DURING PRIMARY SYSTEM LEAK TEST. HYDRO IN LIEU OF LEAK TEST IN OUT7 (U2R15) IT-235
PRESSURE RETAINING VALVE COMPONENTS	B15.70 B-P		VT-2/LT	YYYYYY-YY Y	R	TO BE PERFORMED BY WEPKO DURING SYSTEM LEAKAGE TEST. ACCUMULATION OF BORIC ACID AT PACKINGS AND BODY/BONNET JOINTS. HYDRO IN LIEU OF LEAK TEST IN OUT7 (U2R15)

3.0 ABSTRACT OF CONDITIONS NOTED AND CORRECTIVE MEASURES TAKEN

3.1 Component/Weld

Nondestructive examinations were performed by QTS, EBASCO, and PWA personnel. The nondestructive examinations utilized VT, PT, MT, and UT techniques. All the examinations were performed in accordance with written procedures that conform to the applicable sections of the ASME Boiler and Pressure Vessel Code. The following is a summary of the recorded indications found during the examinations and evaluated by PBNP personnel.

IDR 92U2 7P001, Class 3 Pipe Support, SW to 2HX15B-H50
Data Sheet No. 92U2750P006, Figure 308

Inspection revealed that the grout is cracked for 9.6" where the support contacts the floor. A previous walkdown as a result of NRC Bulletin 79-02 identified similar conditions, stress analysis 300023 Rev. 0 concluded that the support is inactive and the allowable stress would not be exceeded. Three additional supports were inspected in accordance with the requirements of IWF-2430 of ASME Section XI.

IDR 92U2 7P002, Class 2 Pipe Support, SIS-06-SI-2005-S250
Data Sheet No. 92U2750P007, Figure B-25

Inspection revealed the presence of rust in the vicinity of the pipe support and stainless steel pipe contact point. Further evaluation revealed there has been no degradation of the support material, therefore, the acceptance criteria of IWF-2430 of ASME Section XI has not been violated.

IDR 92U2 7P003 - Cancelled

IDR 92U2 7P004 - Cancelled

IDR 92U2 7P005, Class 1 Pipe Hanger, RC-02-BP-2002-12PSSA-2
Data Sheet No. 92U2750P014, Figure A-44

Inspection revealed that there are no shims between the stainless steel pipe and the carbon steel U-clamp. This condition has existed since construction. The environment that exists in the area of this support is not conducive to galvanic corrosion, thus degradation of the support is not likely and it will perform as designed. Therefore, the acceptance criteria of IWF-3410 is not violated and the operability of the component is not affected.

IDR 92U2 7P006, Class 1 Pipe Hanger, RC-02-BP-2001-12PSSB-1
Data Sheet No. 92U2750P030, Figure A-44

Inspection revealed that there are no shims between the stainless steel pipe and the carbon steel U-clamp. This condition has existed since construction. The environment that exists in the area of this support is not conducive to galvanic corrosion, thus degradation of the support is not likely and it will perform as designed. Therefore, the acceptance criteria of IWF-3410 is not violated and the operability of the component is not affected.

IDR 92U2 7P007, Class 1 Pipe Hanger, RC-02-BP-2002-12PSSB-2
Data Sheet No. 92U2750P016, Figure A-44

Inspection revealed that there are no shims between the stainless steel pipe and the carbon steel U-clamp. This condition has existed since construction. The environment that exists in the area of this support is not conducive to galvanic corrosion, thus degradation of the support is not likely and it will perform as designed. Therefore, the acceptance criteria of IWF-3410 is not violated and the operability of the component is not affected.

IDR 92U2 7P008, Class 1 Pipe Hanger, RC-02-BP-2001-12PSSA-1
Data Sheet No. 92U2750P015, Figure A-44

Inspection revealed that there are no shims between the stainless steel pipe and the carbon steel U-clamp. This condition has existed since construction. The environment that exists in the area of this support is not conducive to galvanic corrosion, thus degradation of the support is not likely and it will perform as designed. Therefore, the acceptance criteria of IWF-3410 is not violated and the operability of the component is not affected.

IDR 92U2 7P009, Class 1 Pipe Support, SIS-02-SI-2003-11-PHC
Data Sheet No. 92U2750P031, Figure A-50

Inspection revealed that material had been removed from the support. The condition had not been documented. Condition Report CR 92-754 was initiated for NES to evaluate the operability of the support. The condition of the support was determined to be acceptable. The acceptance criteria of ASME Section XI, IWF-3410 is not violated.

IDR 92U2 7P010, Class 1 Pipe Support, SIS-02-SI-2004-13-PHB
Data Sheet No. 92U2750P009, Figure A-51

Inspection revealed that the baseplate is not flush with the wall and the studs do not have washers. Evaluation determined that the gap was due to inconsistencies in the concrete wall and have prevailed since construction. Evaluation determined that due to the fact that the span/depth ratio of the bolts between the wall and the plate is less than 8, the bolts are not subject to bending stresses, the bolts are subject to shear loads only. No evidence exists that washers were ever present on the studs, therefore, this condition must have prevailed since construction. The bolts are tight and show no evidence of loosening, therefore, the support is structurally sound and considered operable. The acceptance criteria of ASME Section XI, IWF-3410 is not violated.

IDR 92U2 7P011, Class 1 Pipe Support, SIS-02-SI-2004-13-PHA
Data Sheet No. 92U2 750P010, Figure A-51

Inspection revealed that the baseplate is not flush with the wall and the studs do not have washers. Evaluation determined that the gap was due to inconsistencies in the concrete wall and have prevailed since construction. Evaluation determined that due to the fact that the span/depth ratio of the bolts between the wall and the plate is less than 8, the bolts are not subject to bending stresses, the bolts are subject to shear loads only. No evidence exists that washers were ever present on the studs, therefore, this condition must have prevailed since construction. The bolts are tight and show no evidence of loosening, therefore, the support is structurally sound and considered operable. The acceptance criteria of ASME Section XI, IWF-3410 is not violated.

IDR 92U2 7P012, Class 1, Pipe Support, SIS-02-SI-2004-20-PHC
Data Sheet No. 92U2750P011, Figure A-51

Inspection revealed that the baseplate is not flush with the wall and the studs do not have washers. Evaluation determined that the gap was due to inconsistencies in the concrete wall and have prevailed since construction. Evaluation determined that due to the fact that the span/depth ratio of the bolts between the wall and the plate is less than 8, the bolts are not subject to bending stresses, the bolts are subject to shear loads only. No evidence exists that washers were ever present on the studs, therefore, this condition must have prevailed since construction. The bolts are tight and show no evidence of loosening, therefore, the support is structurally sound and considered operable. The acceptance criteria of ASME Section XI, IWF-3410 is not violated.

IDR 92U2 7P013, Class 1, Pipe Hanger, RC-06-SI-2002-RC-26
Data Sheet No. 92U2750P046, Figure A-32

Inspection revealed that the baseplate is not flush with the wall. MWR 925575 was initiated to check and adjust the torque if necessary. The bolts did not turn when the specified torque was applied. Evaluation determined the gap was due to inconsistencies in the concrete wall. The condition has prevailed since construction, therefore, the support is structurally sound and considered operable. The acceptance criteria of ASME Section XI, IWF-3410 is not violated.

IDR 92U2 7P014, Class 2 Pipe Support, AC-10-RHR-2006-R-41/S23
Data Sheet No. 92U2750P049, Figure B-14

Inspection revealed that four of eight tack welds that attach the bottom saddle to the pipe, were broken. Condition Report CR 92-685 was initiated for NES to evaluate the operability of the support. Evaluation concluded the remaining four tack welds were sufficient to make the support operable. MWR 925660 was initiated to repair the broken tack welds. One additional support was inspected in accordance with the requirement of IWF-2430 of ASME Section XI. The support has been scheduled for successive exams per IWF-2420 of ASME Section XI.

IDR 92U2 7P015 - Cancelled

IDR 92U2 7P016 - Cancelled

IDR 92U2 7P017 - Cancelled

IDR 92U2 7P018 - Cancelled

IDR 92U2 7P019- Cancelled

IDR 92U2 7P020, Class 2 Pipe Hanger, AC-06-SI-2003-06-2H18
Data Sheet No. 92U2750P059, Figure B-22

Inspection revealed that the upper nut on the pipe clamp was loose. Evaluation determined the loose nut on the pipe clamp is not load bearing, the support rod is tight and no other support items are loose. The loose nut does not affect the operability of the support. MWR 925651 was initiated to tighten the loose nut. The surface of the support in the area the nut would contact the support if the nut was tight is painted. The consistency and pattern of the paint could not have been achieved if the nut was tight. Therefore, it can be deduced that the nut has not been tight since construction and is not service induced. This condition violates the acceptance criteria of ASME Section XI, IWF-3410.

IDR 92U2 7P021, Class 1 Pipe Hanger, AC-10-AC-2001-AC-2/2-7017
Data Sheet No. 92U2750P071, Figure A-22

Inspection revealed that the lock nut on one of the spring cans does not have full thread engagement. This nut serves as a jam nut to prevent the load bearing nut from loosening. The thread engagement present is adequate to serve this purpose and does not affect the operability of the support. This condition does not violate the acceptance criteria of ASME Section XI, IWF-3410 is not violated. No further action is required.

3.2 Pressure Tests

No reportable indications were observed.