FENOC
FirstEnergy Nuclear Operating Company

Perry Nuclear Power Plant
10 Center Road
Perry, Ohio 44081

John K. Wood
Vice President, Nuclear

440-280-5224
Fax: 440-280-8029

June 18, 2001
PY-CEI/NRR-2572L

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

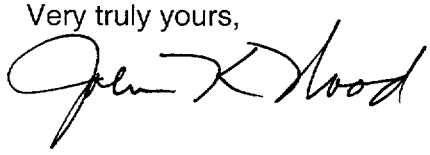
Perry Nuclear Power Plant
Docket No. 50-440
Inservice Inspection Summary Report

Ladies and Gentlemen:

In accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code, Section XI, "Inservice Inspection", 1989 Edition, Article IWA-6000, the eighth Inservice Inspection Summary Report for the Perry Nuclear Power Plant is enclosed. This report documents the inservice examination activities conducted from return to commercial operation from the seventh refueling outage until the completion of the eighth refueling outage.

If you have questions or require additional information, please contact Mr. Gregory A. Dunn, Manager-Regulatory Affairs, at (440) 280-5305.

Very truly yours,



Enclosure

cc: NRC Region III Administrator
NRC Resident Inspector
NRR Project Manager
Authorized Nuclear Inservice Inspector (ANII)
State of Ohio

A047

FORM NIS-1 OWNERS REPORT FOR INSERVICE INSPECTIONS
As required by the provisions of the ASME Code Rules

1. Owner First Energy Nuclear Operating Company, 10 Center Road, Perry, OH 44081
(Name and Address of Owner)

2. Plant Perry Nuclear Power Plant, 10 Center Road, Perry, OH 44081
(Name and Address of Plant)

3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 11/18/87 6. National Board Number for Unit N/A

7. Components Inspected (only the systems with Class 1 and 2 components are listed in following table)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	PNPP MPL No.	National Board No.
Rx Vessel	GE/CBIN	T-49	1B13	15
Rx Vessel	GE/A&ES	1B13	1B13	64077
Nuclear Boiler System	GE/A&ES	1B21	1B21	64084
Nuclear Boiler System	Pullman Power Products	1B21	1B21	109
Reactor Recirculation System	GE/A&ES	1B33	1B33	64076
Reactor Recirculation System	Pullman Power Products	1B33	1B33	119
CRD Hydraulic Control System	Pullman Power Products	1C11	1C11	92
Standby Liquid Control System	Pullman Power Products	1C41	1C41	108
Containment Atmosphere Monitoring	Johnson Controls	1D23-0064-F	1D23	008
Residual Heat Removal System	Engineers & Fabricators Company	1E12	1E12	1621
Residual Heat Removal System	Pullman Power Products	1E12	1E12	83
Containment Spray System	Pullman Power Products	1E15	1E15	105
Low Pressure Core Spray System	Pullman Power Products	1E21	1E21	85
High Pressure Core Spray System	Pullman Power Products	1E22	1E22	86
Leak Detection System	Johnson Controls	1E51-0068-F	1E31	15
MSIV Leakage Control System	Pullman Power Products	1E32	1E32	104
Reactor Core Isolation Cooling System	Pullman Power Products	1E51	1E51	84

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet , and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates 5/3/99 to 3/24/01

9. Inspection Period Identification: First Period

10. Inspection Interval Identification: Second

11. Applicable Edition of Section XI 1989 Addenda None

12. Date/Revision of Inspection Plan: Revision 5, PNPP Inservice Examination Program, dated 07/24/00

13. Abstract of Examinations and tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.

    See attached summary report P0059-0008*

14. Abstract of Results of Examinations and Tests.

    See attached summary report P0059-0008*

15. Abstract of Corrective Measures.

    See attached summary report P0059-0008*

* Report is 219 pages in length.

We certify that a) the statements made in this report are correct b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date 6-12 19 2001 Signed FENOC Owner By [signature] For D.G. Pfilipps

TGL 6-12-01

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 Ohio and employed by Factory Mutual Ins. Co.* of Johnston, RI. have inspected the components described in this Owner's Report during the period 5/3/99 to 3/24/01, 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 inspection plan and as required by 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 the 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.

Thomas G Lapp
Inspector's Signature

Commissions NB9330 "N", "I", & "A", Ohio Commission
National Board, State, Province, and Endorsements

Date JUNE 13 19 2001

TGL 6/13/01

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(Name and Address of Owner)

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7. Components Inspected (only the systems with Class 1 and 2 components are listed in following table)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	PNPP MPL No.	National Board No.
Integrated Leak Rate System	Pullman Power Products	1E61	1E61	120
Fuel Transfer System	General Electric	1F42	1F42	64079
Reactor Water Cleanup System	GE/A&ES	1G33	1G33	64075
Reactor Water Cleanup System	Pullman Power Products	1G33	1G33	100
Fuel Pool Cleaning System	Pullman Power Products	1G41	1G41	95
Suppression Pool Drain and Cleanup System	Pullman Power Products	1G42	1G42	96
Suppression Pool Makeup System	Johnson Controls	1G43-0065-F	1G43	019
Containment Vessel Purge System	Pullman Power Products	1M14	1M14	113
Drywell Vacuum Relief System	Pullman Power Products	1M16	1M16	115
Containment Vacuum Relief System	Pullman Power Products	1M17	1M17	87
Combustible Gas Control System	Pullman Power Products	1M51	1M51	106
Main Steam System	Pullman Power Products	1N11	1N11	111
Main, Reheat, and Miscellaneous Drains	Pullman Power Products	1N22	1N22	112
Feedwater System	Pullman Power Products	1N27	1N27	89
Condenser Transfer and Storage System	Pullman Power Products	1P11	1P11	102
Mixed Bed Demineralizer Water Sys.	Pullman Power Products	1P22	1P22	73
Nuclear Closed Cooling System	Pullman Power Products	1P43	1P43	101
Containment Chilled Water System	Pullman Power Products	1P50	1P50	103
Service Air System	Fisher Controls	6393471	1P51	6170
Instrument Air System	Pullman Power Products	1P52	1P52	74
Post Accident Sampling System	Johnson Controls	1P87	1P87	034
Containment System	Newport News	NNI-OS-02	1T23	N/A

INSERVICE INSPECTION SUMMARY REPORT

FOR

PERRY NUCLEAR POWER PLANT

(PNPP)

UNIT #1

LOCATED AT: 10 Center Road
Perry, Ohio 44081

OWNER: First Energy Nuclear Operating Company
10 Center Road
Perry, Ohio 44081

REACTOR SUPPLIER: General Electric Corporation
175 Curtner Avenue
San Jose, California 95125

NRC DOCKET NUMBER:	50-440
FACILITY FULL POWER LICENSE:	NPF-58
CAPACITY, Mwe:	1248
COMMERCIAL OPERATION DATE:	November 18, 1987
INSPECTION INTERVAL:	November 18, 1998 - November 17, 2008
INSPECTION PERIOD:	First (Nov 18, 1998 - Nov 17, 2001)
REFUELING OUTAGE:	RF08
DOCUMENT COMPLETED:	May 31, 2001

ABSTRACT

Perry Nuclear Power Plant (PNPP) Unit #1 was shutdown for approximately five weeks to refuel the reactor vessel [Refueling Outage 8(RFO8)] and perform plant maintenance commencing February 17, 2001. During this time period, and during the preceding operating cycle, inservice examinations were performed to comply with plant Technical Specifications and the 1989 Edition of ASME Section XI with no Addenda.

ASME Section XI requires reporting of examination results for Class 1 and 2 pressure retaining components and their supports. This report summarizes the results of Class 1 and 2 examinations, and also Class 3 and Augmented examinations, that were performed in accordance with the schedules within PNPP's Inservice Examination Program (ISEP, Operations Manual OM7D, Rev. 5).

First Period RPV nozzle exams (Category B-D) and their associated nozzle to safe-end exams (Category B-F) were performed. These included successive examination of a flawed Feedwater nozzle to safe-end weld that received a full-strength weld overlay repair in RFO7. The nozzle to safe-end flaw was found in RFO2 and mechanically stress improved in RFO3. Prior to RFO7, RFO5 examination sizing data for the flaw was evaluated using the industry's latest sizing procedures and analysis software. The evaluation found the flaw to be significantly deeper than what had previously been reported. The sizing results for the as-found examination of the flaw in RFO7 were essentially the same as those found in evaluating the RFO5 data using the new procedures and analysis software. This indicated that the flaw was deeper all along and there was no active flaw growth. However, because the reported flaw depth was then greater than the allowable depth for Inter Granular Stress Corrosion Cracking (IGSCC) mitigation credit in NUREG-0313, Rev 2, a full strength weld overlay repair was performed. The design for the overlay repair was submitted to the NRC via letters PY-CEI/NRR-2380L, 2384L and 2396L, and approved by NRC letters dated April 29, April 30 and June 7, 1999 (all reference TAC NO. MA5061). Baseline overlay exams, in accordance with NUREG-0313, Rev 2, were performed following the weld overlay repair and found the flaw depth to be unchanged. RFO8's successive examination also found that flaw depth was unchanged.

In-vessel examinations consisted of the required Code examinations along with augmented examinations of the core spray piping and headers, jet pump assemblies, selected IRM and SRM dry tubes, and selected control rod drive tubes. The augmented examinations were primarily conducted in accordance with the Boiling Water Reactor Vessel and Internals Project (BWRVIP) inspection guidelines. The jet pump assembly examinations were baseline examinations in accordance with BWRVIP-41.

For Cycle 8 and RFO8 inservice examinations, there were no reportable indications.

RFO8 was the second refueling outage of the first Inspection Period within Perry's second 10-Year inservice Inspection Interval. With the completion of the cycle 8 and RFO8 examinations, 100% of the examinations scheduled for the first Inspection Period are done. Cycle 8 and RFO8 examinations resulted in a complete and acceptable program in that all indications were evaluated for acceptance in accordance with ASME Section XI, IWA-3000 and the completion percentage requirements of Table IWB-2412-1, Inspection Program B, were met.

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1.0 INTRODUCTION

The information provided herein is supplied to document compliance with ASME B&PV Code, Section XI requirements for reporting inservice inspection results for Class 1 and Class 2 pressure retaining components and their supports. Examination results of Class 3 and Augmented components and their associated supports are included in this report as supplemental information.

This report covers inservice inspection activities performed from Perry Nuclear Power Plant (PNPP)'s return to commercial operation after refueling outage (RFO) 7 through the completion of RFO8.

Included in this report are the following:

- Personnel and Equipment Listings
- Examination Results Summaries
- NIS-2/NR-1 Reports
- Other Pertinent Information

2.0 REFUELING OUTAGE DURATION

The Perry Nuclear Power Plant, Unit #1, was shutdown for RFO8 from February 17, 2001 to March 24, 1999. The plant returned to commercial operation on March 24, 2001, at 3:30 a.m. This is noted as the time when the generator was synchronized to the grid.

3.0 CODE REQUIREMENTS

The inservice inspections were conducted in accordance with the requirements of ASME B&PV Code, Section XI, Division 1, 1989 Edition, no Addenda, with Code Cases N-416-1, N-457, N-460, N-461, N-491, N-498-1, N-522, N-524, N-546, N-623, and N-627.

4.0 INSPECTION

Inspection activities were conducted by Authorized Nuclear Inservice Inspection personnel from Factory Mutual Insurance Company.

5.0 CERTIFICATIONS

Personnel, equipment, and transducer certifications were maintained as required by code and procedures. This section identifies the personnel and equipment utilized in the performance of inservice examinations during cycle 8 operations and RFO8. Certification records for personnel and equipment are kept on site and are available for review.

5.1 Personnel

Nondestructive Examination (NDE) personnel were qualified and certified to perform specific non-destructive examinations in accordance with PNPP or approved vendor procedures as verified by PNPP's Quality Assurance Section and the Authorized Nuclear Inservice Inspector.

The following is a listing of personnel responsible for the performance of the NDE activities related to ISI during cycle 8 operations and RFO8:

ISI NDE PERSONNEL

Name	PIN	UT	PT	MT	VT
Andrie, B.	A3521	NA	NA	NA	II
Askew, D.	A9185	NA	NA	NA	II
Bailey, E.	B5328	NA	NA	NA	III
Bohn, J.	B0579	NA	NA	NA	II+
Boyer, T	B5379	NA	NA	NA	II+
Catron, E.	C8297	III**	NA	NA	NA
Capobianco, J.	C7921	NA	NA	NA	II
Dame, R.	D3235	NA	NA	NA	II+
Drazich, R.	D4136	NA	NA	NA	III++
Erbacher, L.	E0936	NA	NA	NA	II
Fekete, J.	F2601	NA	NA	NA	II+
Frakes, C.	F8753	II	NA	NA	NA
Frindy, W.	F6420	NA	II	II	II
Gibson, G.	G8983	NA	NA	NA	II+
Greboniski, M.	M0904	NA	NA	NA	II+++
Gilliard, J.	G8421	III	II	NA	III
Guillote, J.	G7745	II**	NA	NA	NA
Harris, S.	H8634	NA	NA	NA	II+++
Hilkens, W.	H4223	III	III	III	II
Huhe, T.	H4130	II**	II	II	NA
Jopko, S.	J9965	NA	NA	NA	II
Kackley, P.	K2715	NA	NA	NA	II++
Kee, J.	K3526	NA	NA	NA	II++
Knopsider, D.	K2975	NA	NA	NA	III
Krueger, M.	K9969	III**	III	III	NA
Kuester, C.	K9472	NA	NA	NA	II+
Kuntz, M.	K4858	NA	NA	NA	II+
Laws, J.	L8885	NA	NA	NA	II++
Lindquist, D.	L5838	NA	II	II	II
Lockler, K.	L1105	II**	NA	NA	NA
Lynch, N.	L3427	NA	NA	NA	II+
McAndrew, T.	M1947	NA	NA	NA	II++
McDonald, M.	M5592	NA	NA	NA	II++
McKintyre, D.	M5609	NA	NA	NA	II+
Messenger, J.	M0254	NA	NA	NA	III
Mikolaj, J.	M1048	NA	NA	NA	II+
Miller, M.	M0198	NA	NA	NA	II+++
Miller, W.	M8475	III	III	III	III
Montgomery, K.	M2651	II**	NA	NA	NA
Murray, K.	M3018	NA	NA	NA	II+
Musgrove, F.	M7102	NA	NA	NA	II+++
Peterson, M.	P8610	NA	NA	NA	II+
Portmann, R.	P6096	NA	III	III	III
Rachal, A.	R2665	II	NA	NA	NA
Rawlings, J.	R0361	NA	NA	NA	II+++
Reisewitz, J.	R6432	II**	NA	NA	NA
Richardt, J.	R5641	NA	NA	NA	II+
Schlortt, H.	S8543	III**	III	III	NA
Seman, S.	S6347	NA	NA	NA	II+

PERSONNEL CONTINUED

Name	PIN	UT	PT	MT	VT
Shinke, W.	S9502	NA	II	II	NA
Snyder, S.	S0392	II**	II	II	NA
Steagall, C.	S1316	III	III	III	NA
Strom, S.	S3200	NA	NA	NA	II++
Strong, R.	S7624	NA	NA	NA	II++
Swartz, R.	S5034	NA	NA	NA	II+
Swick, C.	S6614	NA	NA	NA	II++
Tepsick, M.	T9426	NA	NA	NA	III
Walter, D.	W2996	III**	III	NA	NA
Valenzuela, L.	V2524	NA	II	II	NA
Williams, D.	W4195	NA	NA	NA	II++
Webster, M.	W7982	II	II	II	NA
Winterhalter, H.	H1871	II	NA	NA	NA
Wirtz, C.	W9385	NA	NA	NA	III
Yetter, D.	Y4315	NA	II	II	NA

\+ - Limited to VT-2 only
++ - Limited to in-vessel VT-1 and VT-3 examinations only
+++ - Limited to VT-3 only
** - PDI qualified personnel for manual and/or automated UT

5.2 Equipment and Materials

The equipment and materials used during the performance of the non-destructive examinations were certified and/or calibrated in accordance with site procedures or approved vendor procedures and verified by the Quality Assurance Department and the Authorized Nuclear Inservice Inspector.

The following is a listing of NDE equipment and materials used for the performance of the NDE work activities related to ISI during cycle 8 operations and RFO8:

THERMOMETERS

Manufacturer	Model No.	PNPP M&TE No.
OMEGA	450 Digital	L70M0019D
OMEGA	450 Digital	L70M0019F
OMEGA	450 Digital	L70M0019H
OMEGA	450 Digital	L70M0019J
OMEGA	450 Digital	L70M0019K
OMEGA	450 Digital	L70M0019M
OMEGA	450 Digital	L70M0019N

MAGNETIC PARTICLE EQUIPMENT

Manufacturer	Model No.	PNPP M&TE No.
Magnaflux	Y-6 AC Yoke	L70Q0320K
Parker	B-300 AC Yoke	N/A (GE Ser No. 8137)

MAGNETIC PARTICLE MATERIALS

Manufacturer	Type	Batch No.
Magnaflux	8A Red Powder	93L065
Magnaflux	8A Red Powder	94B029

DYE PENETRANT MATERIALS

Cleaner	Penetrant	Developer
SKC-S 95F14K	SKL-SP 93G02K	SKD-S2 95G09K
SKC-S 00K03K	SKL-SP 95J07K	SKD-S2 97A07K
	SKL-SP 98M02K	

ULTRASONIC FLAW DETECTORS

Manufacturer	Model	Serial No.
Stavely	SONIC-136P	136P1106B091353
Stavely	SONIC-136P	136P1106C031363
Stavely	SONIC-136P	136P1106C031371
Stavely	SONIC-136P	136 762 I
GERIS 2000*	NA	GERIS 3
TECRAD**	TOMOSCAN	TTS10094101

* - GE's Automated RPV Examination System
** - GE's SMART 2000 Automated Piping Examination System

ULTRASONIC COUPLANTS

Manufacturer	Type	Batch No.
Sonotech	Ultragel II	95325

TRANSDUCERS

Manuf.	Type	Size	Angle	Freq.	Ser No.
Manual Exams:					
KB Aerotech	G MSWQC	.25" Dia.	45°	2.25 MHz	00L54B
KB Aerotech	G MSWQC	.25" Dia.	45°	5.0 MHz	003X55
KB Aerotech	G MSWQC	.25" Dia.	60°	5.0 MHz	0040R9
KB Aerotech	G MSWQC	.375" Dia.	45°	5.0 MHz	00BXWW
KB Aerotech	B MSWQC	.38" Dia.	45°	2.25 MHz	00HRO7
KB Aerotech	B MSWQC	.38" Dia.	45°	5.0 MHz	00KKC7
KB Aerotech	G F-HP	.5" Dia.	0°	2.25 MHz	003VBP
KB Aerotech	G MSWQC	.5" Dia.	45°	2.25 MHz	003WCR
Panametrics	NA	.5" Dia.	0°	10 MHz	212161
SwRI	NA	.5" Dia.	25°L	2.25 MHz	3567

TRANSDUCERS CONTINUED

Manuf.	Type	Size	Angle	Freq.	Ser No.
Manual Exams Cont.:					
KB Aerotech	G SWS	.5x1.0"	65°/80°	2.25 Hz	B14527
KB Aerotech	G SWS	.5x1.0"	60°	2.25 MHz	B25425
KB Aerotech	G SWS	.5x1.0"	65°	2.25 MHz	B25427
KB Aerotech	G SWS	.5x1.0"	45°	2.25 MHz	E02104
KB Aerotech	G SWS	.5x1.0"	70°	2.25 MHz	F11323
KB Aerotech	G SWS	.5x1.0"	60°	2.25 MHz	K02708
KB Aerotech	G CR-RHP	.725" Dia.	0°	2.25 MHz	K02708
KB Aerotech	G CR-RHP	1.0" Dia.	0°	2.25 MHz	K02708
Megasonic	CGD	.14x.30"	60°RL	4.0 MHz	E0529
RTD	TRL2	2(24x42)mm	60°RL	2.0 MHz	98-683
RTD	TRL2	2(24x42)mm	60°RL	2.0 MHz	94-684
GE SMART 2000 Automated Nozzle to Safe-End Exams:					
RTD	T1.5-At	El 10x16mm	45°	1.5 MHz	98-537
RTD	T2-Aust	El 10x16mm	45°	2.0 MHz	98-149
RTD	TRL1	2(10x18)mm	45°RL	1.0 MHz	98-228
RTD	TRL2	2(10x18)mm	45°RL	2.0 MHz	98-164
RTD	TRL2	2(10x18)mm	60°RL	2.0 MHz	98-174
RTD	TRL2	2(10x18)mm	60°RL	2.0 MHz	00-344
GE GERIS 2000 Automated RPV Nozzle Exams:					
KB Aerotech	G SWS	.5x1.0"	70°	2.25 MHz	008KVL
KB Aerotech	G SWS	.5x1.0"	70°	2.25 MHz	008KVP
RTD	L	1.0" Dia	0°	2.25 MHz	96-292
RTD	T2-St	El 18x14mm	28°	2.0 MHz	98-1178
RTD	T2-St	El 18x14mm	28°	2.0 MHz	98-1179
RTD	T2-St	El 18x15mm	20°	2.0 MHz	98-1181
RTD	T2-St	El 18x15mm	20°	2.0 MHz	98-1182
RTD	T2-St	El 32x16mm	68°	2.0 MHz	98-281
RTD	T2-St	El 32x16mm	68°	2.0 MHz	98-282
RTD	T2-St	El 32x22mm	45°	1.0 MHz	98-284
RTD	T2-St	El 32x22mm	45°	1.0 MHz	98-285

6.0 CALIBRATION STANDARDS

Ultrasonic calibration standards used for ISI related work activities during Cycle 8 operations and RFO8 are as listed below:

CALIBRATION STANDARD IDENTIFICATION NUMBERS			
PY-SE-BI-3	PY-12-80-CS	PY-24-STD-CS	PY-STUD-LPCS-2.25-CS
PY-1.5-RHR	PY-12-120-CS	PY-26-XX2-CS	PY-STUD-MS-2.25-CS
PY-4-80-CS	PY-12-STD-CS	PY-124-1-RPV	RBS-052 (River Bend)
PY-4-80-SS	PY-12-STD-CS	PY-127-1-RPV	PCTES-04 (GE GERIS)
PY-6-80-CS	PY-12-PEN-CS	PY-128-1-RPV	CAL-DPTH-019 (SMART)
PY-10-80-CS	PY-18-40-CS	PY-STUD-RPV-1-A	
PY-12-40-CS	PY-20-80-CS	PY-NUT-RPV-1-A	

7.0 PROCEDURES AND INSPECTION PLANS

The examination procedures and inspection plans used during cycle 8 operations and RFO8 were as follows:

Number	Rev/Chg	Title
Perry NDE Procedures:		
NQI-0941	R7/C5	Liquid Penetrant Examinations
NQI-0942	R5/C10	Magnetic Particle Examinations
NQI-1042	R7/C2&3	Visual Examinations (VT-1,2,3)
NQI-0944	R5/C7	Ultrasonic Examinations
Inspection Plans used with NQI-0944:		
NDE-002	R4	Ultrasonic Instrument Linearity Verification
NDE-008	R7	Manual Ultrasonic Examinations of Piping Welds
NDE-012	R2	Straight Beam Ultrasonic Examination of Bolts and Studs
NDE-019	R4	Ultrasonic Examination of Flued Head Penetration Attachment Welds
NDE-020	R1	Ultrasonic Examination of Reactor Pressure Vessel Nut Threads and Flange Threads
NDE-033	R0	Ultrasonic Examination of Vessel to Skirt Weld
GE Inspection Service NDE Procedures:		
Number	**Rev/DRR***	**Title**
GE-PDI-UT-6	RC	Procedure for Manual Ultrasonic Inspection of Reactor Pressure Vessel Welds
GE-UT-105	R1/D1	Procedure for Manual UT Examinations of Dissimilar Metal Nozzle to Safe End Welds
GE-VT-206	R2	Procedure for Invessel Visual Inspection (IVVI) for BWR6 RPV Internals
GE-UT-209	R9	Procedure for Automated UT Examination of Dissimilar Metal Welds and Nozzle to Safe End
GE-UT-232	R0/D1	Procedure for Automated UT Examination & Tomoview Analysis of Weld Overlaid Austenitic Piping Welds in accordance with PDI
GE-UT-233	R1/D1	Procedure for Automated UT Data Analysis of Piping Welds in accordance with PDI
UT-PER-300V3	R0	Procedure for Manual Examination of Reactor Vessel Assembly Welds
GE-UT-311	R5	Procedure for Manual UT Examination of Nozzle Inner Radii & Bore
GE-UT-503	R8/D1	Procedure for Automated UT Examination of Shroud Assembly Welds
GE-UT-702V2	R0	Procedure for GERIS 2000 Ultrasonic OD Examination of RPV Assembly Welds
GE-UT-703	R4	Procedure for GERIS 2000 OD UT Examination of RPV Nozzle Inner Radius Bore Regions

* DRR's are GE site specific Document Revision Requests for GE procedures.

8.0 RELIEF REQUESTS

Due to geometric, metallurgical, and physical limitations, some of the items scheduled for examination during RFO8 received partial examinations. Within the limitations, examinations were completed to the greatest extent practical. For those in which the

examination coverage achieved was less than 90%, relief requests have been submitted and approved.

Additionally, where it has been determined that conformance with any other examination requirements of ASME Section XI is impractical, PNPP has requested relief from the examination requirements.

The following listing summarizes all the relief requests that have been submitted to and approved by the NRC for PNPP's second 10-year Inspection Interval:

RR NO/REV	SYSTEM	TYPE RELIEF	CATEG	ITEM NO
IR-001 R-2	Reactor Pressure Vessel	Partial Exams	B-A B-D	B1.21 B1.22 B1.40 B3.90 B3.100 B4.11
IR-002 R-1	Reactor Recirculation	Partial Exams	B-G-1	B6.180
IR-003 N/A	Withdrawn for 2nd Interval			
IR-004 R-2	Main Steam Reactor Recirculation High Pressure Core Spray Residual Heat Removal	Partial Exams	B-J	B9.11 B9.12
IR-005 R-2	Reactor Recirculation	Partial Exams	B-J	B9.11
IR-006 N/A	Withdrawn for 2nd Interval			
IR-007 R-1	Residual Heat Removal Low Pressure Core Spray High Pressure Core Spray Reactor Core Isolation-Cooling Feedwater Reactor Water Cleanup Main Steam	Partial Exams	B-K-1	B10.10
IR-008 N/A	Withdrawn for 2nd Interval			
IR-009 R-1	Reactor Pressure Vessel	Partial Exams	B-O	B14.10
IR-010 N/A	Withdrawn for 2nd Interval			
IR-011 N/A	Withdrawn for 2nd Interval			
IR-012 R-2	Main Steam Residual Heat Removal High Pressure Core Spray Feedwater	Partial Exams	C-C	C3.10 C3.20
IR-013 R-1	High Pressure Core Spray Low Pressure Core Spray Residual Heat Removal	No Exams	C-G	C6.10
IR-014 N/A	Withdrawn for 2nd Interval			
IR-015 R-1	Reactor Water Cleanup Residual Heat Removal Low Pressure Coolant-Injection	Partial Exams	C-C	C3.20
IR-016	Withdrawn in 1st Interval			
IR-017	Withdrawn in 1st Interval			
IR-018 R-1	Residual Heat Removal	Partial Exams	B-K-1	B10.10
IR-019 R-1	Control Rod Drive Residual Heat Removal High Pressure Core Spray	Partial Exams	C-C	C3.20
IR-020 N/A	Withdrawn for 2nd Interval			
IR-021 R-4	Main Steam Emergency Closed Cooling Emergency Service Water	No Exams	D-B	D2.20

RELIEF REQUESTS CONTINUED

RR NO/REV	SYSTEM	TYPE RELIEF	CATEG	ITEM NO
IR-022	Withdrawn in 1st Interval			
IR-023 R-1	All with Snubbers	Alternate Sampling Plan	Tech-Spec	N/A
IR-024 R-1	Reactor Pressure Vessel	Partial Exams	B-F	B5.10
IR-025 R-1	Main Steam	Alternative Exams	B-K-1	B10.10
IR-026 R-1	Main Steam Feedwater	Alternative Exams	C-C	C3.20
IR-027 R-1	Standby & HPCS Diesel Fuel Oil	Alternative Exams	D-B	D2.20
IR-028 N/A	Withdrawn for 2nd Interval			
IR-029 R-1	Reactor Recirculation	Alternate Weld Selection	B-J	B9.11
IR-030 R-1	Reactor Pressure Vessel	Alternate Exam for Circ. Shell Welds	B-A	B1.11
IR-031 N/A	Withdrawn for 2nd Interval			
IR-032 R-0	Containment	Substitute App J test for VT-3	E-D	E5.10 E5.20
IR-033 R-0	Containment	Alternate Personnel Qual	N/A	N/A
IR-034 R-0	Containment	Inspect new coating IAW coating program	N/A	N/A
IR-035 R-0	Containment	pre-removal coating inspection IAW coating program	N/A	N/A
IR-036 R-0	Withdrawn			
IR-037 R-0	Containment	delete successive exam for repairs	E-C	N/A
IR-038 R-0	Containment	Alternative to torque and tension test	E-G	E8.20
IR-039 R-0	Containment	Alternative to VT-3 lighting and resolution	N/A	N/A
IR-040 R-0	Containment	Alternate UT thickness	N/A	N/A
IR-041 R-0	Containment	Alternate Repair Records	N/A	N/A
IR-042 R-0	Reactor Vessel	Alternate Examination	B-H	B8.10
IR-043 R-0	Reactor Water Cleanup	Alternate Categorization	B-M-1	B12.30
IR-044 R-0	Reactor Water Cleanup	Use of Code Case N-627	B-G-1	B6.10
IR-045 R-0	Reactor Water Cleanup	Use of Code Case N-623	B-A	B1.30 B1.40
PT-001 R-1	Various non-isolable (from the RPV Boundary) Class 2 Components	Alternate System and Inservice Tests	C-H	C7.30 C7.70
PT-002 N/A	Withdrawn for 2nd Interval			
PT-003 N/A	Withdrawn in 1st Interval			
PT-004 N/A	Withdrawn for 2nd Interval			

RELIEF REQUESTS CONTINUED

RR NO/REV	SYSTEM	TYPE RELIEF	CATEG	ITEM NO
PT-005 N/A	Withdrawn for 2nd Interval			
PT-006 R-1	All	Use of Code Case N-546	B-P C-H D-A D-B D-C	All dealing with press. tests
PT-007 R-1	Main Steam Safety Relief Discharge	Alternate Hydrostatic Test	D-B	D2.10
PT-008 R-0	Withdrawn			

For those cycle 8 and RFO8 examinations where the examination coverage was limited, the applicable relief request is referenced in the "remarks" column of the Examinations Results Summary (Appendix A) for the particular examination item.

9.0 SCHEDULE CHANGES

Scheduling changes were made during RFO8 to facilitate the examinations, or to account for unforeseen physical or schedule interference's, or radiological conditions. These changes differ from the schedule in Revision 5 of PNPP's Inservice Examination Program (ISEP).

The changes, which will be incorporated in the next revision to the ISEP, are as follows:

MARK NO.	DESCRIPTION AND REASON FOR CHANGE
1E12-B001A-SB1-WA	SB1 is a lug on the RHR-A Heat Exchanger which was scheduled for an MT exam. The lug has approx. 16 lineal feet of weld to examine with area dose rates as high as 350 mR/hr. It is rusty and would require a significant amount of time to clean up. In its place, this change will substitute 1-E12-B001A-SL1-WA. It is the same Code Category and Item (i.e., Cat. CCc, Item C3.10), but it only has approx. 7 lineal feet of weld, is in an area with the highest dose rates being 150 mR/hr, and will be easier to clean up. ACTON 01-0064 has been created to track the corresponding revision to the ISEP.

SCHEDULE CHANGES CONTINUED

MARK NO.	DESCRIPTION AND REASON FOR CHANGE
1B13-D1-S(R) 1B13-D2-S(R) 1B13-D3-S(R) 1B13-D4-S(R) 1B13-D5-S(R) 1B13-D6-S(R)	These RPV studs are removed every refueling outage for the cattle chute. The Code requires that "when removed"-studs receive a Magnetic Particle exam in addition to the normal Ultrasonic exam that is required for all studs, removed or not. The Code allows deferral of these exams to the end of the interval, but within the ISEP they are scheduled in conjunction with the required UT exams. As such, the RFO8 plan had them scheduled for this outage. However, a Code Case recently passed ASME XI Subcommittee which will eliminate the requirement for the "when removed" MT exam. Although the Code Case is not yet approved for use by the NRC, it is not controversial and approval is expected long before the end of our current inspection interval. Therefore, the option to defer these exams will be taken (i.e., reschedule them from period 1 to period 3, approx. 6 years from now). Then upon NRC approval to use the Code Case the exams will be deleted entirely. ACTON 01-0074 has been created to track the schedule revisions within the ISEP for these exam points.
1B33-C001B-1B 1B33-C001B-2B 1B33-C001B-3B 1B33-C001B-4B 1B33-C001B-5B	These 5 Reactor Recirculation Pump Studs were scheduled for UT examination in the first period of the current ISI inspection interval, the same as they were in the first interval. The exams are done in accordance with the examination requirements ASME XI Table IWB-2500-1, Examination Category B-G-1. In the first interval the UT exams were performed utilizing bore probe transducers inserted into the stud heater/elongation measurement holes. For the second interval, the stud exams must now comply ASME XI Appendix VIII performance demonstration requirements, of which, the only NRC approved program to meet the Appendix VIII requirements is the Performance Demonstration Initiative (PDI). The only demonstrated PDI procedures for stud exams require a 0 degree examination from the end of the stud. When we went to perform the scheduled RFO8 exams, it was found that the stud end geometry will not allow complete 0 degree exams. The studs have two styles of raised chamfers that facilitate starting the nuts. removal of the chamfers would allow the UT exams to be completed, but would hamper any future disassembly and re-assembly of the pump. Note 5 of Table IWB-2500-1 allows deferral of the exams to the end of the interval. Deferral would allow time to either qualify a Perry specific procedure through PDI for our specific stud configuration or gain relief from the requirements from the NRC. Therefore, the option to defer these exams will be taken (i.e., reschedule them from period 1 to period 3, approx. 6 years from now). ACTON 01-0091 has been created to track schedule revisions within the ISEP for these exam points.

10.0 EXAMINATION SUMMARY RESULTS

RFO8 was the second refueling outage of Perry's second 10-Year Inservice Inspection Interval and it marked the completion of the first inspection period. For those examination Categories which do not allow deferral to the end of the interval, and not including pressure testing VT-2 exams that are completed every period, completion percentages at the end of the first period are reported as follows:

CATEGORY	REQUIRED COMPLETION %	ACTUAL COMPLETION %
B-A item B1.30 only	50 - 100	0.0 See Note 1
B-D	25 - 50	39.4
B-F	25 - 50	33.3
B-G-1	16 - 34	29.8
B-G-2	16 - 34	20.0
B-H	16 - 34	N/A See Note 2
B-J	16 - 34	22.8
B-K-1	16 - 34	N/A See Note 2
B-K of CC-N-509	16 - 34	38.8 See Note 3
C-A & B	16 - 34	16.6
C-C	16 - 34	N/A See Note 2
C-C of CC-N-509	16 - 34	27.7
C-D	16 - 34	33.3
C-F-2	16 - 34	28.8
C-G	16 - 34	25.0
D-A	16 - 34	N/A See Note 2
D-B	16 - 34	N/A See Note 2
D-C	16 - 34	N/A See Note 2
D-A of CC-N-509	16 - 34	30.6
F-A	16 - 34	N/A See Note 4
F-A of CC N-491	16 - 34	32.00

Notes:
(1) Code requires at least 50% completion, however, in accordance with relief request IR-045 PNPP is allowed to defer the exams to the end of the inspection interval.
(2) The integral attachment exams of Categories B-H, B-K-1, C-C, D-A, D-B, and D-C have been replaced by Categories B-K, C-C and D-A of Code Case N-509.
(3) Percentage is slightly above 34% due to examination of the former Category B-H and B-K-1 integral attachments that have now been consolidated under Category B-K of Code Case N-509 in accordance with the successive examination requirements of IWB-2420(a).
(4) The component support examinations of Category F-A have been replaced by Category F-A of Code Case N-491.

Cycle 8 and RFO8 examinations resulted in a complete and acceptable program in that all indications were evaluated for acceptance in accordance with ASME Section XI, IWA-3000 and the percentage completion requirements of Table IWB-2412-1, Inspection Program B, were met.

Appendix "A" is a computer generated summary of the Cycle 8 and RFO8 examination results. Component identifications (Mark Nos.) and order of appearance may differ slightly from that listed in Revision 5 of PNPP's Inservice Examination Program. The

differences are to accommodate the data base soft-ware program. Original examination data reports are on file and available for review at the site.

11.0 NIS-2/NR-1

Repairs, replacements and modifications are carried out in accordance with PNPP's Nuclear Repair & Repair (non-nuclear) Manual which meets regulatory requirements and quality standards. Compliance of the work is delineated on NIS-2/NR-1 Forms.

The following is a listing of NIS-2/NR-1 forms applicable to this report (Class 1 and 2 only) which have been completed since PNPP's last summary report:

NR-1/NIS-2 FORMS

SYS/NO.	MPL NO.	DESCRIPTION/COMMENTS	CLASS	PG
Main Steam (1B21) System Cycle 8 & RF08 Reports:				
1B21-307	1B21-H0490	Replaced Phoenix hydraulic snubber with a Lisega hydraulic snubber	1	75
1B21-308	1B21-H0447	Replaced Phoenix hydraulic snubber with a Lisega hydraulic snubber	1	76
1B21-309	1B21-H0472	Replaced Phoenix hydraulic snubber with a Lisega hydraulic snubber	1	77
1B21-310	1B21-H0452	Replaced Phoenix hydraulic snubber with a Lisega hydraulic snubber	1	78
1B21-311	1B21-H0491	Replaced Phoenix hydraulic snubber with a Lisega hydraulic snubber	1	79
1B21-312	1B21-H0462	Replaced Phoenix hydraulic snubber with a Lisega hydraulic snubber	1	80
1B21-313	1B21-H0453	Replaced Phoenix hydraulic snubber with a Lisega hydraulic snubber	1	81
1B21-314	1B21-H0446	Replaced Phoenix hydraulic snubber with a Lisega hydraulic snubber	1	82
1B21-316	1B21-G7086	Replaced E-Systems hydraulic snubber with like snubber	1	83
1B21-317	1H51-H0068	Replaced PSA mechanical snubber with like snubber	2	85
1B21-321	1B21-F0047C	Replaced SRV with like SRV	1	87
1B21-322	1B21-F0051G	Replaced SRV with like SRV	1	89
1B21-323	1B21-F0047G	Replaced SRV with like SRV	1	91
1B21-324	1B21-F0041E	Replaced SRV with like SRV	1	93
1B21-325	1B21-F0051C	Replaced SRV with like SRV	1	95
1B21-326	1B21-F0051A	Replaced SRV with like SRV	1	97
1B21-327	1B21-F0051D	Replaced SRV with like SRV	1	99
1B21-328	1B21-F0041A	Replaced SRV with like SRV	1	101
1B21-329	1B21-F0041G	Replaced SRV with like SRV	1	103
1B21-330	1B21-F0041C	Replaced SRV with like SRV	1	105
Reactor Recirculation (1B33) System Cycle 8 & RF08 Reports:				
1B33-112	1B33-G7064A	Replaced E-Systems hydraulic snubber with like snubber	1	107
1B33-113	1B33-C0001B	Replaced pump seal cartridge assembly	1	109
Standby Liquid Control (0&1C41) System Cycle 8 & RF08 Reports:				
1C41-026	1C41-F0029B	Replaced 1x2" relief valve with like valve	2	111

NR-1/NIS-2 FORMS

SYS/NO.	MPL NO.	DESCRIPTION/COMMENTS	CLASS	PG
Standby Liquid Control (0&1C41) System Cycle 8 & RFO8 Reports Continued:				
1C41-027	1C41-F0029A	Replaced 1x2" relief valve with like valve	2	112
1C41-028	1C41-F0029A	Replaced 1x2" relief valve with like valve	2	114
1C41-029	1C41-F0029B	Replaced 1x2" relief valve with like valve	2	116
Residual Heat Removal (1E12) System Cycle 8 & RFO8 Reports:				
1E12-243	1E12	Installed new ¾" leak-off line per DCP 98-5010	2	118
1E12-244	1E12-D0506A	Installed 10" blind flange and ¾' pipe caps as part of A Loop Steam Condensing mode elimination per DCP 98-0024	2	121
1E12-245	1E12-F0036	Replaced valve with blind flange per SMRF 99-5007	2	122
1E12-246	1E12	Installed ¾" pipe caps as a part of B Loop Steam Condensing mode elimination per DCP 98-0024	2	123
1E12-247	1E12-D0506B	Installed 10" blind flange and ¾' pipe caps as part of B Loop Steam Condensing mode elimination per DCP 98-0024	2	124
1E12-248	1E12-F0582	Replaced ¾" globe valve with like valve	2	126
1E12-249	1E12-F0054A 1E12-D0100A 1E12-F0065A	Replace check valve F0054A with a blind flange and bonnet of F0065A with a blind bonnet per SMRF 99-5011	2	128
1E12-250	1E12-F0054B 1E12-D0100B	Replace check valve F0054B with a blind flange per SMRF 99-5011	2	130
1E12-251	1E12-F0065B	Replace bonnet of F0065B with a blind bonnet per SMRF 99-5011	2	131
1E12-252	1E12-H2051	Replaced a PSA mechanical snubber with Lisega hydraulic snubber	2	134
1E12-253	1E12-H0491	Replaced E-Systems hydraulic snubber with like snubber	2	135
1E12-254	1E12-H0490	Replaced E-Systems hydraulic snubber with like snubber	2	137
1E12-255	1E12-H0315	Replaced E-Systems hydraulic snubber with like snubber	2	139
1E12-256	1E12-H0457 1E12-H0460	Modified these supports per the NCC disposition of CR 01-265	2	141
1E12-257	1E12-H0367	Replaced E-Systems hydraulic snubber with like snubber	2	144
1E12-258	1E12-H0316	Replaced E-Systems hydraulic snubber with like snubber	2	146
1E12-259	1E12-H0361	Replaced E-Systems hydraulic snubber with like snubber	2	148
1E12-260	1E12-H0362	Replaced E-Systems hydraulic snubber with like snubber	2	150
1E12-261	1E12-H0581	Replaced load stud of PSA mechanical snubber	2	152
1E12-262	1E12-F0086	Replaced 6" DUO check valve with like valve	2	153
1E12-263	1E12-F0063B	Replaced 8" DUO check valve with like valve	2	155
1E12-264	1E12-F0063A	Replaced 8" DUO check valve with like valve	2	157
1E12-265	1E12-F0063C	Replaced 8" DUO check valve with like valve	2	159

NR-1/NIS-2 FORMS

SYS/NO.	MPL NO.	DESCRIPTION/COMMENTS	CLASS	PG
Residual Heat Removal (1E12) System Cycle 8 & RF08 Reports Continued:				
1E12-266	1E12-H0180	Replaced PSA mechanical snubber with like snubber	2	161
1E12-267	1E12-H0410	Replaced PSA mechanical snubber with like snubber	2	163
1E12-268	1E12-H0386	Replaced PSA mechanical snubber with like snubber	2	164
1E12-269	1E12-F0018A	Replaced valve and adjacent elbow with heavier wall valve and elbow per ECP 99-8069	2	165
Low Pressure Core Spray (1E21) System Cycle 8 & RF08 Reports:				
1E21-034	1E21-H0002	Replaced E-Systems hydraulic snubber with like snubber	1	167
1E21-035	1E21-H0001	Replaced E-Systems hydraulic snubber with like snubber	1	169
1E21-036	1E21-F0018	Replaced 1-½" relief valve with like valve	2	171
High Pressure Core Spray (1E22) System Cycle 8 & RF08 Reports:				
1E22-052	1E22-F0035	Replaced 1-½" relief valve with like valve	2	173
1E22-053	1E22-F0014	Replaced 1x2" relief valve with like valve	2	175
MSIV Leakage Control (1E32) System Cycle 8 & RF08 Reports:				
1E32-100	1E32-H0231	Replaced PSA mechanical snubber with Lisega hydraulic snubber	2	177
1E32-101	1E32-H0234	Replaced PSA mechanical snubber with like snubber	2	178
1E32-103	1E32-H0243	Replaced PSA mechanical snubber with like snubber	2	180
Reactor Core Isolation Cooling (1E51) System Cycle 8 & RF08 Reports:				
1E51-114	1E51-F0047 1E51-D0004	Deleted check valve F0047 and orifice D0004 with piping modification per SMRF 98-5049	2	182
1E51-115	1E51-H0072	Replaced Phoenix hydraulic snubber with Lisega hydraulic snubber	2	183
1E51-116	1E51-H2069	Replaced Phoenix hydraulic snubber with Lisega hydraulic snubber	2	184
1E51-117	1E51-H2076	Replaced Phoenix hydraulic snubber with Lisega hydraulic snubber	2	185
1E51-118	1E51-F0064	Replaced gate and plug of 10" gate valve	1	186
1E51-119	1E51	Replaced studs in head spray piping flange assembly	1	187
1E51-120	1E51-D0001	Replaced rupture disc	2	188
1E51-121	1E51-F0066	Replaced 6" check valve disc and piston	1	189
1E51-122	1E51-F0066	Replaced head spray valve flange connection bolting	1	190
1E51-123	1E51-D0002	Replaced rupture disc	2	191
Integrated Leak Rate (1E61) System Cycle 8 & RF08 Reports:				
1E61-003	1E61-H1005	Replaced bolting during work on snubber	2	192
Reactor Water Cleanup (1G33) System Cycle 8 & RF08 Reports:				
1G33-140	1G33-H0233	Replaced load stud of PSA mechanical snubber	2	193

NR-1/NIS-2 FORMS

SYS/NO.	MPL NO.	DESCRIPTION/COMMENTS	CLASS	PG
Reactor Water Cleanup (1G33) System Cycle 8 & RFO8 Reports Cont:				
1G33-141	1G33-F0505A 1G33-F0506A	Replaced 2" globe valves with 2" gate valves per DCP 99-5049	1	194
1G33-142	1G33-F0505B 1G33-F0506B	Replaced 2" globe valves with 2" gate valves per DCP 99-5049	1	196
1G33-143	1G33-H0081	Replaced U-bolt and nuts of spring can support	1	199
Suppression Pool Makeup (1G43) System Cycle 8 & RFO8 Reports:				
1G43-011	1G43	Installed vented caps per DCP 99-5053	2	200
Local Panels and Racks (1H22) System Cycle 8 & RFO8 Reports:				
1H22-003	1H22-H2744	Replaced Phoenix hydraulic snubber with Lisega hydraulic snubber	2	201
Containment Vessel and Drywell Purge (1M14) System Cycle 8 & RFO8 Reports:				
1M14-003	1M14-H0007	Replaced PSA mechanical snubber with Lisega hydraulic snubber	2	202
Combustible Gas Control (1M51) System Cycle 8 & RFO8 Reports:				
1M51-025	1M51-F0501A	Replaced disc of 4" DUO check valve	2	203
Feedwater (1N27) System Cycle 8 & RFO8 Reports:				
1N27-042	1N27-H0007	Replaced E-Systems hydraulic snubber with like snubber	1	205
1N27-043	1N27-H0006	Replaced E-Systems hydraulic snubber with like snubber	1	207
1N27-044	1N27-H1145	Replaced Phoenix hydraulic snubber with Lisega hydraulic snubber	2	209
1N27-045	1N27-H0004	Replaced E-Systems hydraulic snubber with like snubber	1	210
Nuclear Closed Cooling (1P43) System Cycle 8 & RFO8 Reports:				
1P43-016	1P43-F0721	Replaced disc of 12" swing check valve	2	212
Penetration Pressurization (1P53) System Cycle 8 & RFO8 Reports:				
1P53-081	1P53-F0577B 1P53-F0578B 1P53-F0579B 1P53-F0580B	Replaced ball in valves	2(MC)	213
1P53-082	1P53-F0577A 1P53-F0578A	Replaced ball in valves	2(MC)	214
1P53-083	1P53-F0591A 1P53-F0592A 1P53-F0593A 1P53-F0594A	Replaced ball in valves	2(MC)	215
Fire Protection (1P54) System Cycle 8 & RFO8 Reports:				
1P54-007	1P54-F5604	Replaced 1" relief valve with like valve	2	216
1P54-008	1P54-F1098	Replaced bolting on 12" check valve	2	217
Non MPL/System Cycle 8 & RFO8 Reports:				
NMPL-037	1E12-D0506B	Weld build-up of end-prep of blind fitting that was subsequently installed per DCP 98-024 (refer to 1E12-247)	2	218

Copies of the NIS-2/NR-1 forms are contained in Appendix "B" and the corresponding starting page numbers are provided in the above table.

APPENDIX A

"CYCLE 8 & RFO-8 EXAMINATION RESULTS SUMMARY"

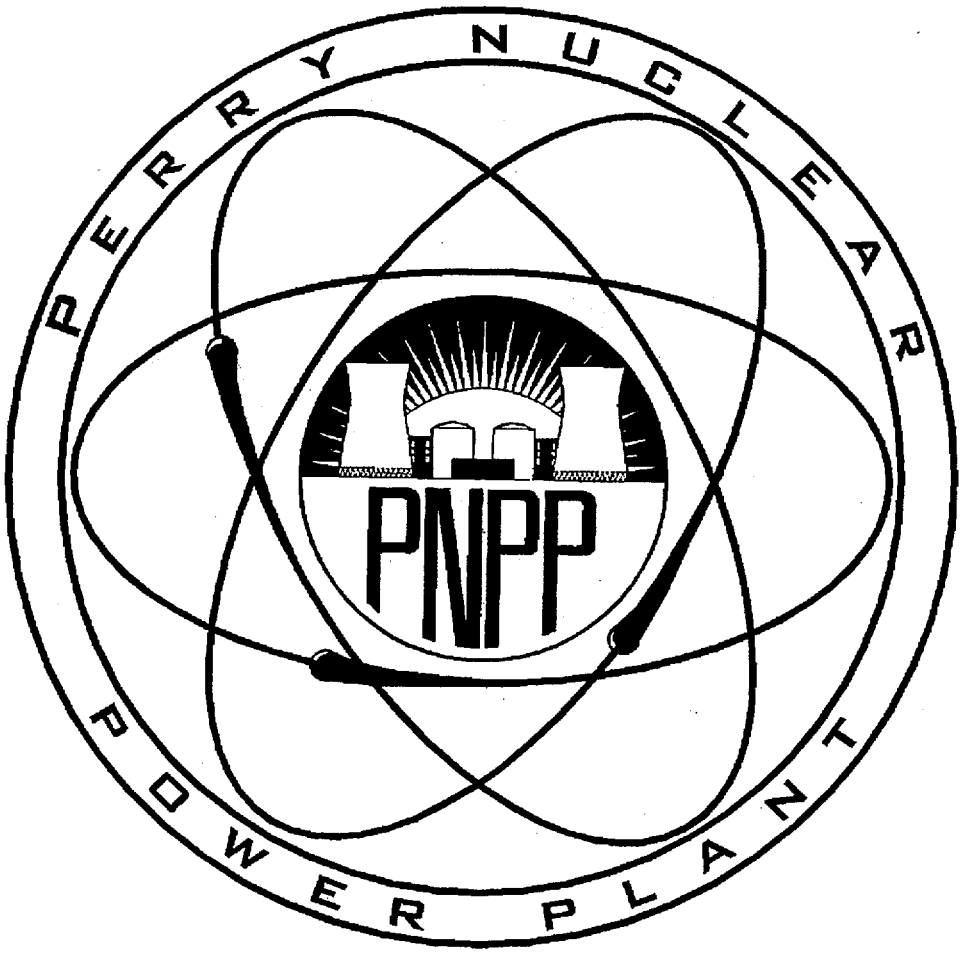
INSERVICE INSPECTION SUMMARY REPORT

FOR

PERRY NUCLEAR POWER PLANT

(PNPP)

UNIT 1



First Energy Nuclear Operating Company

Perry Nuclear Power Plant

ISI Summary Report No. P0059-0008
Second Interval, Second Period, Second Outage (RFO8)
Cycle 8 and RFO8 Scheduled Inservice Examinations

Prepared by: _____ Date: 4/26/01
ISI Engineer

Reviewed by: Thomas J. Lapp ANII Date: 5/10/01
Authorized Nuclear Inservice Inspector

Approved by: _____ Date: 5/16/01
Lead ISI Engineer

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-02/35-FW CRD HOUSING TO FLANGE WELD 6" N/A 305-006-110	B-O B14.10	PT	0941-01A-0001	NRI	ADJACENT CONTROL LINES INTERFERE WITH APPROXIMATELY 15% OF THE EXAMINATION AREA (RELIEF REQUEST IR-009).
1B13-02/35-HW CRD HOUSING TO HOUSING WELD 6" N/A 305-006-110	B-O B14.10	PT	0941-01A-0002	IND	ACCEPTABLE 3/64" ROUNDED INDICATION RECORDED SIMILAR TO THAT REPORTED ON PREVIOUS DATA.
1B13-AG TOP HEAD TO TOP HEAD FLANGE N/A N/A 305-006-103	B-A B1.40	MT	0942-01A-0018	NRI	NONE.
1B13-AG TOP HEAD TO TOP HEAD FLANGE N/A N/A 305-006-103	B-A B1.40	UT	1Q800-01-007	NRI	NONE.
1B13-AH RPV TOP HEAD DOLLAR PLATE TO SIDE PLATES. N/A N/A 305-006-103	B-A B1.21	UT	1Q800-01-008	IND	INSIDE SURFACE GEOMETRY, SIMILAR TO THAT PREVIOUSLY RECORDED, AND PLATE SEGREGATE, SPOT AND METALURGICAL INDICATIONS WERE RECORDED AND INTERROGATED. NO INDICATIONS WERE FOUND TO EXHIBIT ANY CHARACTERISTICS OF INDUCED FLAWS.
1B13-CG BOTTOM HEAD TO SKIRT N/A N/A 305-006-104	B-Kc B10.10	MT	0942-01A-0016	NRI	THIS EXAM WAS FOR ONE THIRD OF THE WELD (i.e, 0 to 120 Degrees) AND ONLY COVERED THE OUTSIDE SURFACE EXAMINATION AREA.
1B13-CG BOTTOM HEAD TO SKIRT N/A N/A 305-006-104	B-Kc B10.10	UT	0944033-01-0001	GEO	SUPPLEMENTAL UT EXAM OF INSIDE SURFACE OF WELD IAW RELIEF REQUEST IR-042. GEOMETRIC SIGNAL FROM RADIUS OF THE WELD'S INSIDE SURFACE OBSERVED ALONG ENTIRE LENGTH OF EXAM.
1B13-DJ TOP HEAD MERIDIONAL WELD @ 75 AZ N/A N/A 305-006-103	B-A B1.22	UT	1Q800-01-009	IND	INSIDE SURFACE GEOMETRY, SIMILAR TO THAT PREVIOUSLY RECORDED, AND PLATE SEGREGATE, SPOT AND METALURGICAL INDICATIONS WERE RECORDED AND INTERROGATED. NO INDICATIONS WERE FOUND TO EXHIBIT ANY CHARACTERISTICS OF INDUCED FLAWS.
1B13-DN TOP HEAD MERIDIONAL WELD @ 255 AZ N/A N/A 305-006-103	B-A B1.22	UT	1Q800-01-010	IND	INSIDE SURFACE GEOMETRY, SIMILAR TO THAT PREVIOUSLY RECORDED, AND PLATE SEGREGATE, SPOT AND METALURGICAL INDICATIONS WERE RECORDED AND INTERROGATED. NO INDICATIONS WERE FOUND TO EXHIBIT ANY CHARACTERISTICS OF INDUCED FLAWS.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-A1-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A1-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-A1-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A1-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-A2-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A2-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-A2-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A2-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-A3-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A3-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-A3-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A3-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-A4-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A4-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-A4-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A4-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-A5-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A5-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-A5-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A5-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-A6-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A6-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-A6-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A6-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-A7-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A7-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-A7-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A7-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-A8-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A8-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-A8-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A8-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-A9-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-A9-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-A9-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-A9-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-B1-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B1-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-B1-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B1-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-B2-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B2-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-B2-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B2-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-B3-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B3-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-B3-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B3-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-B4-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B4-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-B4-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B4-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-B5-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B5-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-B5-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B5-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-B6-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B6-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-B6-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B6-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-B7-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B7-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-B7-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B7-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-B8-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B8-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-B8-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B8-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-B9-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0033	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-B9-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-B9-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-B9-W RPV CLOSURE HEAD WASHER 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0032	NRI	NONE.
1B13-D1-N RPV CLOSURE HEAD NUT. 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0034	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-D1-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-D1-S(R) RPV CLOSURE HEAD STUD (WHEN REMOVED) 5" N/A 305-006-112	B-G-1 B6.30	MT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERRED TO END OF INTERVAL AS ALLOWED BY SECTION XI.
1B13-D1-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-D1-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0031	NRI	NONE.
1B13-D2-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0034	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-D2-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-D2-S(R) RPV CLOSURE HEAD STUD (WHEN REMOVED) 5" N/A 305-006-112	B-G-1 B6.30	MT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERRED TO END OF INTERVAL AS ALLOWED BY SECTION XI.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-D2-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-D2-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0031	NRI	NONE.
1B13-D3-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0034	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-D3-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-D3-S(R) RPV CLOSURE HEAD STUD (WHEN REMOVED) 5" N/A 305-006-112	B-G-1 B6.30	MT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERRED TO END OF INTERVAL AS ALLOWED BY SECTION XI.
1B13-D3-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-D3-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0031	NRI	NONE.
1B13-D4-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0034	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-D4-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-D4-S(R) RPV CLOSURE HEAD STUD (WHEN REMOVED) 5" N/A 305-006-112	B-G-1 B6.30	MT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERRED TO END OF INTERVAL AS ALLOWED BY SECTION XI.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-D4-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-D4-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0031	NRI	NONE.
1B13-D5-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0034	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-D5-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-D5-S(R) RPV CLOSURE HEAD STUD (WHEN REMOVED) 5" N/A 305-006-112	B-G-1 B6.30	MT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERRED TO END OF INTERVAL AS ALLOWED BY SECTION XI.
1B13-D5-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-D5-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0031	NRI	NONE.
1B13-D6-N RPV CLOSURE HEAD NUT 5" N/A 305-006-112	B-G-1 B6.10	VT-1	1042-01A-0034	NRI	MINOR NICKS AND DINGS ON THREADED SURFACES. VT-1 IN LIEU OF MT IAW IR-045.
1B13-D6-S RPV CLOSURE HEAD STUD 5" N/A 305-006-112	B-G-1 B6.20	UT	0944012-01-0002	NRI	NONE.
1B13-D6-S(R) RPV CLOSURE HEAD STUD (WHEN REMOVED) 5" N/A 305-006-112	B-G-1 B6.30	MT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERRED TO END OF INTERVAL AS ALLOWED BY SECTION XI.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B13-D6-T RPV SHELL, THREADS IN FLANGE AREA 5" N/A 305-006-112	B-G-1 B6.40	UT	0944020-01-0001	NRI	EXAM COVERAGE LIMITED TO 92% COMPLETE BY LIP OF FLANGE SEAL SURFACE.
1B13-D6-W RPV CLOSURE HEAD WASHERS 5" N/A 305-006-112	B-G-1 B6.50	VT-1	1042-01A-0031	NRI	NONE.
1B13-N4C-IR FW NOZZLE N4C INNER RADIUS 12" N/A 305-006-108	B-D B3.100	A-UT	1Q800-01-013	GEO	GEOMETRY OBSERVED AT SIMILAR SWEEP POSITIONS AND AMPLITUDES TO PREVIOUS EXAMS.
1B13-N4C-KA FW NOZZLE N4C TO VESSEL 12" N/A 305-006-108	B-D B3.90	A-UT	1Q800-01-014	IND	GEOMETRY AND OTHER NON-RELEVANT INDICATIONS RECORDED SAME AS PREVIOUS EXAMS. 4 RELEVANT INDICATIONS WERE RECORDED AND EVALUATED AS MEETING THE ASME XI ACCEPTANCE CRITERIA. EXAM COVERAGE LIMITED APPROXIMATELY 73% BY NOZZLE GEOMETRY (IR-001).
1B13-N4C-KB FW NOZZLE N4C TO SAFE-END 12" 1.16" 305-006-108	B-F B5.10	A-UT	1Q800-01-015	IND	THIS WELD WAS OVERLAID IN RFO7 DUE TO AN EXISTING APPROXIMATELY 70% THROUGH WALL FLAW. 60 DEGREE EXAMINATION OF THE OVERLAY IAW NUREG-0313/EPRI GUIDELINES FOUND NO INDICATIONS. SUPPLEMENTAL 45 DEGREE EXAMINATION OF THE AREA OF THE EXISTING FLAW FOUND NO GROWTH IN THE FLAW.
1B13-N5A-IR CS NOZZLE N5A INNER RADIUS 12" N/A 305-006-109	B-D B3.100	A-UT	1Q800-01-016	GEO	GEOMETRY RECORDED SIMILAR TO THAT SEEN IN PREVIOUS EXAMS.
1B13-N5A-KA CS NOZZLE N5A TO VESSEL 12" N/A 305-006-109	B-D B3.90	A-UT	1Q800-01-017	IND	GEOMETRY AND OTHER NON-RELEVANT INDICATIONS RECORDED SAME AS PREVIOUS EXAMS. 1 RELEVANT INDICATION WAS RECORDED AND EVALUATED AS MEETING THE ASME XI ACCEPTANCE CRITERIA. EXAM COVERAGE LIMITED APPROXIMATELY 73% BY NOZZLE GEOMETRY (IR-001).
1B13-N5A-KB LOW PRES. CORE SPRAY NOZZLE TO SAFE-END 12" 1.125" 305-006-109	B-F B5.10	A-UT	1Q800-01-018	NRI	GEOMETRIC AND NON-RELEVANT INDICATIONS RECORDED SIMILAR TO PREVIOUS EXAMS. EXAM COVERAGE LIMITED TO APPROXIMATELY 93% BY NOZZLE GEOMETRY.
1B13-N5A-KB LOW PRES. CORE SPRAY NOZZLE TO SAFE-END 12" 1.125" 305-006-109	B-F B5.10	PT	0941-99A-0010	NRI	PT ACTUALLY PERFORMED IN RFO7.

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1B13-N6A-IR RHR NOZZLE N6A INNER RADIUS 12" N/A 305-006-109	B-D B3.100	A-UT	1Q800-01-019	GEO	GEOMETRY RECORDED SIMILAR TO THAT SEEN IN PREVIOUS EXAMS.
1B13-N6A-KA RHR NOZZLE N6A TO VESSEL 12" N/A 305-006-109	B-D B3.90	A-UT	1Q800-01-020	IND	GEOMETRY AND OTHER NON-RELEVANT INDICATIONS RECORDED SAME AS PREVIOUS EXAMS. 4 RELEVANT INDICATIONS WERE RECORDED AND EVALUATED AS MEETING THE ASME XI ACCEPTANCE CRITERIA. EXAM COVERAGE LIMITED APPROXIMATELY 74% BY NOZZLE GEOMETRY (IR-001).
1B13-N6A-KB RHR NOZZLE N6A TO SAFE-END 12" 1.125" 305-006-109	B-F B5.10	A-UT	1Q800-01-021	IND	GEOMETRIC AND NON-RELEVANT INDICATIONS RECORDED SIMILAR TO PREVIOUS EXAMS. ALSO RECORDED A SUBSURFACE FABRICATION FLAW THAT WAS OUTSIDE OF THE LOWER ONE-THIRD VOLUME AND MET ASME ACCEPTANCE CRITERIA.
1B13-N6A-KB RHR NOZZLE N6A TO SAFE-END 12" 1.125" 305-006-109	B-F B5.10	PT	0941-01A-0014	NRI	NONE.
1B13-N6B-IR RHR NOZZLE N6B INNER RADIUS 12" N/A 305-006-109	B-D B3.100	A-UT	1Q800-01-022	GEO	GEOMETRY RECORDED SIMILAR TO THAT SEEN IN PREVIOUS EXAMS.
1B13-N6B-KA RHR NOZZLE N6B TO VESSEL 12" N/A 305-006-109	B-D B3.90	A-UT	1Q800-01-023	GEO	GEOMETRY AND OTHER NON-RELEVANT INDICATIONS RECORDED SAME AS PREVIOUS EXAMS. EXAM COVERAGE LIMITED APPROXIMATELY 73% BY NOZZLE GEOMETRY (IR-001).
1B13-N6B-KB RHR NOZZLE N6B TO SAFE-END 12" 1.125" 305-006-109	B-F B5.10	A-UT	1Q800-01-024	GEO	GEOMETRIC AND NON-RELEVANT INDICATIONS RECORDED SIMILAR TO PREVIOUS EXAMS.
1B13-N6B-KB RHR NOZZLE N6B TO SAFE-END 12" 1.125" 305-006-109	B-F B5.10	PT	0941-01A-0014	NRI	NONE.
1B13-N6C-IR RHR NOZZLE N6C INNER RADIUS 12" N/A 305-006-109	B-D B3.100	A-UT	1Q800-01-025	GEO	GEOMETRY RECORDED SIMILAR TO THAT SEEN IN PREVIOUS EXAMS.

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1B13-N6C-KA RHR NOZZLE N6C TO VESSEL 12" N/A 305-006-109	B-D B3.90	A-UT	1Q800-01-026	GEO	GEOMETRY AND OTHER NON-RELEVANT INDICATIONS RECORDED SAME AS PREVIOUS EXAMS. EXAM COVERAGE LIMITED APPROXIMATELY 74% BY NOZZLE GEOMETRY (IR-001).
1B13-N6C-KB RHR NOZZLE N6C TO SAFE-END 12" 1.125" 305-006-109	B-F B5.10	A-UT	1Q800-01-027	IND	GEOMETRIC AND NON-RELEVANT INDICATIONS RECORDED SIMILAR TO PREVIOUS EXAMS. ALSO RECORDED A SUBSURFACE FABRICATION FLAW THAT WAS OUTSIDE OF THE LOWER ONE-THIRD VOLUME AND MET ASME ACCEPTANCE CRITERIA.
1B13-N6C-KB RHR NOZZLE N6C TO SAFE-END 12" 1.125" 305-006-109	B-F B5.10	PT	0941-01A-0014	NRI	NONE.
1B13-N7-B N7 RPV HEAD SPARE NOZZLE BOLTING 6" N/A 305-006-103	B-G-2 B7.10	VT-3	1042-01A-0038	NRI	EXAMINED 12 STUDS AND NUTS IN PLACE. NO NEW STUDS OR NUTS.
1B13-N8-B RPV HEAD SPRAY NOZZLE N8 TO FLANGE BOLTING 6" N/A 305-006-103	B-G-2 B7.10	VT-1	1042-01-0100	NRI	EXAMINED 12 STUDS AND NUTS OUT OF PLACE. NO NEW STUDS OR NUTS.
1B13-N8-IR RPV HEAD SPRAY NOZZLE N8 INNER RADIUS 6" N/A 305-006-103	B-D B3.100	UT	1Q800-01-028	NRI	EXAM COVERAGE LIMITED TO 91% BY NOZZLE GEOMETRY.
1B13-N8-KA RPV TOP HEAD NOZZLE N8 TO HEAD WELD 6" N/A 305-006-103	B-D B3.90	UT	1Q800-01-029	NRI	EXAMINATION COVERAGE LIMITED TO 90% BY NOZZLE GEOMETRY.
1B13-N10-IR CRD RETURN NOZZLE N10 INNER RADIUS 4" N/A 305-006-106	B-D B3.100	UT	1Q800-01-011	NRI	NONE.
1B13-N10-KA CRD RETURN NOZZLE N10 TO VESSEL 4" N/A 305-006-106	B-D B3.90	UT	1Q800-01-012	GEO	ID GEOMETRY FROM THE CLAD CUT-BACK AND THE NOZZLE BORE GEOMETRY OBSERVED 360 DEGREES. EXAMINATION COVERAGE LIMITED TO 91% BY NOZZLE GEOMETRY.
1B13-CRGT-1a 9 CRD GUIDE TUBE SLEEVE TO ALIGNMENT LUG WELDS N/A N/A 305-006-120	X-A X9.10	VT-3	1Q800-01-005	NRI	EXAMINED THE LUG WELDS OF CRGT'S AT X/Y CORE LOCATIONS 18/15, 30/15, 26/27 AND 46/31.

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1B13-CRGT-2a 9 CRD GUIDE TUBE BODY TO SLEEVE WELDS N/A N/A 305-006-120	X-A X9.20	EVT1	1Q800-01-005	NRI	EXAMINED THE WELDS OF CRGT'S AT X/Y CORE LOCATIONS 18/15, 30/15, 26/27 AND 46/31.
1B13-CRGT-3a 9 CRD GUIDE TUBE BASE TO BODY WELDS N/A N/A 305-006-120	X-A X9.20	EVT1	1Q800-01-005	NRI	EXAMINED THE WELDS OF CRGT'S AT X/Y CORE LOCATIONS 18/15, 30/15, 26/27 AND 46/31.
1B13-CSHP-P1 HP CORE SPRAY THERMAL SLEEVE TO FLOW DIVIDER 10" 120 305-006-113	X-A X3.11	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS AND THE WELD'S PROXIMITY TO THE NOZZLE BORE RESULT IN EXAM COVERAGE OF APPROXIMATELY 180 DEGREES FROM ONE SIDE ONLY.
1B13-CSHP-CW-P2 HP CORE SPRAY FLOW DIVIDER TO HORIZONTAL PIPE 6" 120/40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSHP-CW-P3a HP CORE SPRAY COUPLING TO HORIZONTAL PIPE 6" 40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSHP-CW-P5 HP CORE SPRAY UPPER RISER PIPE TO COUPLING 6" 40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSHP-CCW-P2 HP CORE SPRAY FLOW DIVIDER TO HORIZONTAL PIPE 6" 120/40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSHP-CCW-P3b HP CORE SPRAY HORIZONTAL PIPE TO COUPLING 6" 40 305-006-113	X-A X3.11	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSHP-CCW-P3a HP CORE SPRAY COUPLING TO HORIZONTAL PIPE 6" 40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSHP-CCW-P5 HP CORE SPRAY UPPER RISER PIPE TO COUPLING 6" 40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.

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1B13-CSHP-CCW-P6 HP CORE SPRAY COUPLING TO LOWER RISER PIPE 6" 40 305-006-113	X-A X3.11	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSHP-CCW-P4c HP CORE SPRAY LOWER RISER PIPE TO ELBOW 6" 40/120 305-006-113	X-A X3.11	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSHP-CCW-P4d HP CORE SPRAY ELBOW TO SHROUD FLANGE 6" 120/40 305-006-113	X-A X3.11	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSLP-CW-P2 LP CORE SPRAY FLOW DIVIDER TO HORIZONTAL PIPE 6" 120/40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSLP-CW-P3a LP CORE SPRAY COUPLING TO HORIZONTAL PIPE 6" 40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSLP-CW-P5 LP CORE SPRAY UPPER RISER PIPE TO COUPLING 6" 40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSLP-CCW-P2 LP CORE SPRAY FLOW DIVIDER TO HORIZONTAL PIPE 6" 120/40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSLP-CCW-P3a LP CORE SPRAY COUPLING TO HORIZONTAL PIPE 6" 40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSLP-CCW-P5 LP CORE SPRAY UPPER RISER PIPE TO COUPLING 6" 40 305-006-113	X-A X3.10	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-CSS-7-S2 CORE SPRAY SPARGER TEE TO SPARGER PIPE WELDS (2) 5" -- 305-006-115	X-A X3.20	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 180 DEGREES.

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1B13-CSS-7-S4 CORE SPRAY SPARGER PIPE TO END CAP WELDS (2) 5" -- 305-006-115	X-A X3.20	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 180 DEGREES.
1B13-CSS-353-S2 CORE SPRAY SPARGER TEE TO SPARGER PIPE WELDS (2) 5" -- 305-006-115	X-A X3.20	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-CSS-353-S3ab CORE SPRAY SPARGER SPRAY NOZZLE WELDS (2 EA NOZZ) 5" -- 305-006-115	X-A X3.21	VT-1	1Q800-01-002	NRI	NONE.
1B13-CSS-353-S4 CORE SPRAY SPARGER PIPE TO END CAP WELDS (2) 5" -- 305-006-115	X-A X3.20	EVT1	1Q800-01-002	NRI	WELD WAS BRUSHED IN A PREVIOUS OUTAGE AND DID NOT REQUIRE BRUSHING IN THIS OUTAGE. CAMERA ACCESS LIMITATIONS RESULT IN EXAM COVERAGE OF APPROXIMATELY 180 DEGREES.
1B13-CSS-353-SB CORE SPRAY SPARGER BRACKETS N/A N/A 305-006-116	X-A X3.22	VT-1	1Q800-01-002	NRI	CAMERA ACCESS LIMITATIONS RESULTED IN EXAM COVERAGE OF APPROXIMATELY 65% FOR EACH OF THE 10 BRACKETS.
1B13-FSGT-AP1a 9 CRD GUIDE TUBE & FUEL SUPPORT ALIGNMENT PINS N/A N/A 305-006-120	X-A X9.10	VT-3	1Q800-01-005	NRI	EXAMINED THE ALIGNMENT PINS OF CRGT'S AT X/Y CORE LOCATIONS 18/15, 30/15, 26/27 AND 46/31
1B13-IRM-32/29 IRM INSTRUMENT DRY TUBE E N/A N/A 305-006-117	X-A X2.10	VT-3	1Q800-01-004		EXAMINED UPPER 2 FEET OF DRY TUBE.
1B13-IRM-32/37 IRM INSTRUMENT DRY TUBE F N/A N/A 305-006-117	X-A X2.10	VT-3	1Q800-01-004	NRI	EXAMINED UPPER 2 FEET OF DRY TUBE.
1B13-IRM-48/13 IRM INSTRUMENT DRY TUBE G N/A N/A 305-006-117	X-A X2.10	VT-3	1Q800-01-004	NRI	EXAMINED UPPER 2 FEET OF DRY TUBE.
1B13-IRM-48/53 IRM INSTRUMENT DRY TUBE H N/A N/A 305-006-117	X-A X2.10	VT-3	1Q800-01-004	NRI	EXAMINED UPPER 2 FEET OF DRY TUBE.

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1B13-JPA-P3/P4 JET PUMP NOZZLE TO MIXER ASSEMBLY N/A N/A 305-006-126	X-A X1.30	VT-3	1Q800-01-003	NRI	EXAM FOUND LIGHT TO MODERATE CRUD BUILDUP.
1B13-JPA-P13/P14 JET PUMP NOZZLE TO MIXER ASSEMBLY N/A N/A 305-006-126	X-A X1.30	VT-3	1Q800-01-003	NRI	EXAM FOUND LIGHT TO MODERATE CRUD BUILDUP.
1B13-JPDF-P1/P2 JET PUMP DIFFUSER WELDS N/A N/A 305-006-126	X-A X1.90	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED DF-1, 2, 3A, 3B AND AD-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-JPDF-P3/P4 JET PUMP DIFFUSER WELDS N/A N/A 305-006-126	X-A X1.90	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED DF-1, 2, 3A, 3B AND AD-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-JPDF-P5/P6 JET PUMP DIFFUSER WELDS N/A N/A 305-006-126	X-A X1.90	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED DF-1, 2, 3A, 3B AND AD-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-JPDF-P7/P8 JET PUMP DIFFUSER WELDS N/A N/A 305-006-126	X-A X1.90	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED DF-1, 2, 3A, 3B AND AD-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-JPDF-P9/P10 JET PUMP DIFFUSER WELDS N/A N/A 305-006-126	X-A X1.90	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED DF-1, 2, 3A, 3B AND AD-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 240 DEGREES.
1B13-JPIN-P1/P2 JET PUMP INLET WELDS N/A N/A 305-006-126	X-A X1.80	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED IN-1AND IN-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-JPIN-P3/P4 JET PUMP INLET WELDS N/A N/A 305-006-126	X-A X1.80	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. PARTIAL EXAM, ONLY THE IN-1AND IN-2 WELDS OF PUMP 3. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-JPIN-P5/P6 JET PUMP INLET WELDS N/A N/A 305-006-126	X-A X1.80	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. PARTIAL EXAM, ONLY THE IN-1AND IN-2 WELDS OF PUMP 6. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.

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1B13-JPIN-P7/P8 JET PUMP INLET WELDS N/A N/A 305-006-126	X-A X1.80	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED IN-1 AND IN-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-JPIN-P9/P10 JET PUMP INLET WELDS N/A N/A 305-006-126	X-A X1.80	EVT1	N/A		ORIGINALLY SCHEDULED FOR RF08, BUT WAS DEFERED DUE TO SCRATCHES AND SMUDGES FROM JET PUMP CLEANING PRECLUDING A MEANINGFUL EXAM.
1B13-JPMX-P1/P2 JET PUMP INLET MIXER BARREL TO ADAPTER WELD N/A N/A 305-006-126	X-A X1.81	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED MX-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-JPMX-P3/P4 JET PUMP INLET MIXER BARREL TO ADAPTER WELD N/A N/A 305-006-126	X-A X1.81	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED MX-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-JPMX-P5/P6 JET PUMP INLET MIXER BARREL TO ADAPTER WELD N/A N/A 305-006-126	X-A X1.81	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED MX-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-JPMX-P7/P8 JET PUMP INLET MIXER BARREL TO ADAPTER WELD N/A N/A 305-006-126	X-A X1.81	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED MX-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-JPMX-P9/P10 JET PUMP INLET MIXER BARREL TO ADAPTER WELD N/A N/A 305-006-126	X-A X1.81	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED MX-2 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 220 DEGREES.
1B13-JPRB-P1/P2 JET PUMP RISER BRACE WELDS N/A N/A 305-006-125	X-A X1.40	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RB-1 (4 EA.) AND RB-2 (4 EA.) WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 90%.
1B13-JPRB-P3/P4 JET PUMP RISER BRACE WELDS N/A N/A 305-006-125	X-A X1.40	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RB-1 (4 EA.) AND RB-2 (4 EA.) WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 90%.
1B13-JPRB-P5/P6 JET PUMP RISER BRACE WELDS N/A N/A 305-006-125	X-A X1.40	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RB-1 (4 EA.) AND RB-2 (4 EA.) WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 90%.

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1B13-JPRB-P7/P8 JET PUMP RISER BRACE WELDS N/A N/A 305-006-125	X-A X1.40	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RB-1 (4 EA.) AND RB-2 (4 EA.) WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 90%.
1B13-JPRB-P9/P10 JET PUMP RISER BRACE WELDS N/A N/A 305-006-125	X-A X1.40	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RB-1 (4 EA.) AND RB-2 (4 EA.) WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 90%.
1B13-JPRBA-P1/P2 JET PUMP RISER BRACE ARM/VESSEL ATTACHMENT WELDS N/A N/A 305-006-125	B-N-2 B13.20	VT-1	1Q800-01-003	NRI	EXAM PERFORMED IN CONJUNCTION WITH BWRVIP-41 EVT1 EXAMS OF THE RISER BRACE ASSEMBLY.
1B13-JPRBA-P3/P4 JET PUMP RISER BRACE ARM/VESSEL ATTACHMENT WELDS N/A N/A 305-006-125	B-N-2 B13.20	VT-1	1Q800-01-003	NRI	EXAM PERFORMED IN CONJUNCTION WITH BWRVIP-41 EVT1 EXAMS OF THE RISER BRACE ASSEMBLY.
1B13-JPRBA-P5/P6 JET PUMP RISER BRACE ARM/VESSEL ATTACHMENT WELDS N/A N/A 305-006-125	B-N-2 B13.20	VT-1	1Q800-01-003	NRI	EXAM PERFORMED IN CONJUNCTION WITH BWRVIP-41 EVT1 EXAMS OF THE RISER BRACE ASSEMBLY.
1B13-JPRBA-P7/P8 JET PUMP RISER BRACE ARM/VESSEL ATTACHMENT WELDS N/A N/A 305-006-125	B-N-2 B13.20	VT-1	1Q800-01-003	NRI	EXAM PERFORMED IN CONJUNCTION WITH BWRVIP-41 EVT1 EXAMS OF THE RISER BRACE ASSEMBLY.
1B13-JPRBA-P9/P10 JET PUMP RISER BRACE ARM/VESSEL ATTACHMENT WELDS N/A N/A 305-006-125	B-N-2 B13.20	VT-1	1Q800-01-003	NRI	EXAM PERFORMED IN CONJUNCTION WITH BWRVIP-41 EVT1 EXAMS OF THE RISER BRACE ASSEMBLY.
1B13-JPRS3-P1/P2 JET PUMP RISER PIPE TO TRANSITION PIECE WELD N/A N/A 305-006-126	X-A X1.71	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-3 WELD. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 180 DEGREES.
1B13-JPRS3-P3/P4 JET PUMP RISER PIPE TO TRANSITION PIECE WELD N/A N/A 305-006-126	X-A X1.71	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-3 WELD. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 180 DEGREES.
1B13-JPRS3-P5/P6 JET PUMP RISER PIPE TO TRANSITION PIECE WELD N/A N/A 305-006-126	X-A X1.71	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-3 WELD. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 180 DEGREES.

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1B13-JPRS3-P7/P8 JET PUMP RISER PIPE TO TRANSITION PIECE WELD N/A N/A 305-006-126	X-A X1.71	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-3 WELD. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 180 DEGREES.
1B13-JPRS3-P9/P10 JET PUMP RISER PIPE TO TRANSITION PIECE WELD N/A N/A 305-006-126	X-A X1.71	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-3 WELD. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 180 DEGREES.
1B13-JPRS6-P1/P2 JET PUMP RISER PIPE TO RESTRAINER BRACKET WELDS N/A N/A 305-006-126	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-6 AND RS-7 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 75%.
1B13-JPRS6-P3/P4 JET PUMP RISER PIPE TO RESTRAINER BRACKET WELDS N/A N/A 305-006-126	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-6 AND RS-7 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 75%.
1B13-JPRS6-P5/P6 JET PUMP RISER PIPE TO RESTRAINER BRACKET WELDS N/A N/A 305-006-126	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-6 AND RS-7 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 75%.
1B13-JPRS6-P7/P8 JET PUMP RISER PIPE TO RESTRAINER BRACKET WELDS N/A N/A 305-006-126	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-6 AND RS-7 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 75%.
1B13-JPRS6-P9/P10 JET PUMP RISER PIPE TO RESTRAINER BRACKET WELDS N/A N/A 305-006-126	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-6 AND RS-7 WELDS. CAMERA ACCESS LIMITATIONS RESULTED IN COVERAGE OF APPROXIMATELY 75%.
1B13-JPRS8-P1/P2 JET PUMP RISER PIPE TO RISER BRACE YOKE WELDS N/A N/A 305-006-125	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-8 AND RS-9 WELDS.
1B13-JPRS8-P3/P4 JET PUMP RISER PIPE TO RISER BRACE YOKE WELDS N/A N/A 305-006-125	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-8 AND RS-9 WELDS.
1B13-JPRS8-P5/P6 JET PUMP RISER PIPE TO RISER BRACE YOKE WELDS N/A N/A 305-006-125	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-8 AND RS-9 WELDS.

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1B13-JPRS8-P7/P8 JET PUMP RISER PIPE TO RISER BRACE YOKE WELDS N/A N/A 305-006-125	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-8 AND RS-9 WELDS.
1B13-JPRS8-P9/P10 JET PUMP RISER PIPE TO RISER BRACE YOKE WELDS N/A N/A 305-006-125	X-A X1.72	EVT1	1Q800-01-003	NRI	CLEANING ASSESSMENT DETERMINED CLEANING NOT REQUIRED. EXAMINED RS-8 AND RS-9 WELDS.
1B13-JPTW-P01 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.
1B13-JPTW-P02 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.
1B13-JPTW-P03 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND SHROUD SIDE GAP OF 0.012" AND VESSEL SIDE GAP OF 0.010". GAPS EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P04 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND SHROUD SIDE GAP OF 0.016" AND VESSEL SIDE GAP OF 0.010". GAPS EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P05 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND SHROUD SIDE GAP OF 0.010" AND VESSEL SIDE GAP OF 0.019". SUBSEQUENTLY, DUE TO A SEATING PROBLEM (REFER TO CR # 01-0998), THE MIXER WAS REMOVED AND RESEATED AND THE GAPS WERE ELIMINATED.
1B13-JPTW-P06 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND VESSEL SIDE GAP OF 0.005". GAP EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P07 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.
1B13-JPTW-P08 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.

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1B13-JPTW-P09 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND VESSEL SIDE GAP OF 0.005". GAP EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P10 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.
1B13-JPTW-P11 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND SHROUD SIDE GAP OF 0.010". GAP EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P12 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND SHROUD SIDE GAP OF 0.015" AND VESSEL SIDE GAP OF 0.010". GAPS EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P13 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND VESSEL SIDE GAP OF 0.010". GAP EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P14 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND VESSEL SIDE GAP OF 0.010". GAP EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P15 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.
1B13-JPTW-P16 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.
1B13-JPTW-P17 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND VESSEL SIDE GAP OF 0.012". GAP EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.
1B13-JPTW-P18 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND SHROUD SIDE GAP OF 0.008" AND VESSEL SIDE GAP OF 0.014". GAPS EVALUATED AS OPERABLE WITHOUT REWORK OR REPAIR IAW CR # 01-1076.

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1B13-JPTW-P19 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.
1B13-JPTW-P20 JET PUMP RESTRAINER ADJUSTING SCREW TACK WELDS N/A N/A 305-006-125	X-A X1.50	VT-3	1Q800-01-003	NRI	EXAM FOUND NO GAPS.
1B13-JPWD-P1/P2 JET PUMP RESTRAINER BRACKET WEDGE BEARING SURFACE N/A N/A 305-006-125	X-A X1.51	VT-1	1Q800-01-003	NRI	EXAM FOUND GOOD WEDGE CONTACT AND NO SIGNS OF WEAR.
1B13-JPWD-P3/P4 JET PUMP RESTRAINER BRACKET WEDGE BEARING SURFACE N/A N/A 305-006-125	X-A X1.51	VT-1	1Q800-01-003	NRI	EXAM FOUND GOOD WEDGE CONTACT AND NO SIGNS OF WEAR.
1B13-JPWD-P5/P6 JET PUMP RESTRAINER BRACKET WEDGE BEARING SURFACE N/A N/A 305-006-125	X-A X1.51	VT-1	1Q800-01-003	NRI	EXAM FOUND GOOD WEDGE CONTACT AND NO SIGNS OF WEAR.
1B13-JPWD-P7/P8 JET PUMP RESTRAINER BRACKET WEDGE BEARING SURFACE N/A N/A 305-006-125	X-A X1.51	VT-1	1Q800-01-003	NRI	EXAM FOUND GOOD WEDGE CONTACT AND NO SIGNS OF WEAR.
1B13-JPWD-P9/P10 JET PUMP RESTRAINER BRACKET WEDGE BEARING SURFACE N/A N/A 305-006-125	X-A X1.51	VT-1	1Q800-01-003	NRI	EXAM FOUND GOOD WEDGE CONTACT AND NO SIGNS OF WEAR.
1B13-SD STEAM DRYER N/A N/A 305-006-119	X-A X4.10	VT-3	1Q800-01-001	NRI	EXAMINED 100% OF THE 16 DRAIN CHANNEL WELDS OF THE 8 DRAIN CHANNELS.
1B13-SDHDB-WA STEAM DRYER HOLD DOWN BRACKET/VESSEL WELDED N/A N/A 305-006-119	B-N-2 B13.30	VT-3	1042-01A-0039	NRI	EXAM PERFORMED DIRECT FROM UNDER THE RPV HEAD IN ITS REFUEL STORAGE LOCATION.
1B13-SDSB-WA STEAM DRYER SUPORT BRACKET WELDED ATTACHMENTS N/A N/A 305-006-119	B-N-2 B13.30	EVT-1	1Q800-01-001	NRI	EVT-1 PERFORMED IN LIEU OF VT-3 IAW BWRVIP-48.

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1B13-SRM-16/21 SRM INSTRUMENT DRY TUBE B N/A N/A 305-006-117	X-A X2.10	VT-3	1Q800-01-004	NRI	EXAMINED UPPER 2 FEET OF DRY TUBE.
1B13-SRM-40/45 SRM INSTRUMENT DRY TUBE D N/A N/A 305-006-117	X-A X2.10	VT-3	1Q800-01-004	NRI	EXAMINED UPPER 2 FEET OF DRY TUBE.
1B13-SSL SHROUD SUPPORT LEG WELDS N/A N/A 305-006-101	X-A X9.30	VT-1	1Q800-01-033	NRI	NOT ORIGINALLY SCHEDULED FOR RFO8, BUT REMOVAL OF JET PUMP 5's MIXER PROVIDED ACCESS TO THE WELDS OF THE SHROUD SUPPORT LEG AT 90 DEGREES AND THEY WERE EXAMINED.
1B21-0051 @ 26" PEN. P415 PROCESS PIPE TO VALVE F028D 26" 1.321" 305-605-110	X-B X10.10	UT	0944008-01-0013	NRI	COMPLETE ONE SIDED EXAM.
1B21-0094 @ 26" VALVE F028B TO PIPE 26" 1.321" 305-605-108	X-B X10.10	UT	0944008-01-0014	NRI	COMPLETE ONE SIDED EXAM.
1B21-0168-B HEAD VENT/POOL FLOOR FLANGE CONNECTION BOLTING 2" 160 305-605-106	B-G-2 B7.50	VT-1	1042-01-0101	NRI	EXAMINED 8 STUDS AND 16 NUTS OUT OF PLACE. NO NEW STUDS OR NUTS.
1B21-0186-B RPV UPPER HEAD SPRAY NOZZLE FLANGE BOLTING 4" N/A 305-605-105	B-G-2 B7.50	VT-1	1042-01-0099	NRI	EXAMINED 8 STUDS AND 16 NUTS IN PLACE. 3 OF THE STUDS AND 3 NUTS WERE NEW.
1B21-B0101B PIPE SUPPORT, RIGID STRUT (WA) MPL 1B21G7001 10" N/A 305-605-112	F-A F3.STm	VT-3	1042-01A-0051	NRI	NONE.
1B21-B0101B-WA INTEGRAL ATTACHMENT RIGID STRUT MPL 1B21G7001 10" N/A 305-605-112	D-Ac D1.20	VT-3	1042-01A-0048	NRI	NONE.
1B21-F0041A-IS SRV, INTERNAL SURFACE (GROUPING NUMBER I) 10" N/A 305-605-101	B-M-2 B12.50	VT-3	1042-01-0037	NRI	EXAMINED ACCESSIBLE PORTION OF INTERNAL SURFACES OF THIS ROUTINE REPLACEMENT VALVE, SERIAL NO. 160846.

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1B21-F028A-1B MSIV STUD N/A N/A 305-605-111	B-G-1 B6.210	UT	0944012-01-0003	NRI	NONE.
1B21-F028A-2B MSIV STUD N/A N/A 305-605-111	B-G-1 B6.210	UT	0944012-01-0003	NRI	NONE.
1B21-F028A-3B MSIV STUD N/A N/A 305-605-111	B-G-1 B6.210	UT	0944012-01-0003	NRI	NONE.
1B21-F028A-4B MSIV STUD N/A N/A 305-605-111	B-G-1 B6.210	UT	0944012-01-0003	NRI	NONE.
1B21-F028A-5B MSIV STUD N/A N/A 305-605-111	B-G-1 B6.210	UT	0944012-01-0003	NRI	NONE.
1B21-F028A-6B MSIV STUD N/A N/A 305-605-111	B-G-1 B6.210	UT	0944012-01-0003	NRI	NONE.
1B21-F028A-N MSIV NUTS AND WASHERS, 18 EACH N/A N/A 305-605-111	B-G-1 B6.230	VT-1	1042-01A-0028	NRI	NONE.
1B21-F041A-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0063	NRI	EXAMINATION OF 5 NEW NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F041A-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0079	NRI	EXAMINATION OF 7 EXISTING NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F041A-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0038	NRI	EXAMINATION OF 12 NEW STUDS.

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1B21-F041C-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0073	NRI	EXAMINATION OF 6 EXISTING AND 6 NEW NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT. CR ALSO ADDRESSED INADVERTENT INSTALLATION OF SOME CLASS 2 NUTS ON THIS VALVE (DISPOSITIONED AS OPERABLE).
1B21-F041C-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0030	NRI	EXAMINATION OF 12 EXISTING STUDS.
1B21-F041E-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0081	NRI	EXAMINATION OF 2 EXISTING NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F041E-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0029	NRI	EXAMINATION OF 9 NEW AND 3 EXISTING STUDS.
1B21-F041E-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0065	NRI	EXAMINATION OF 10 NEW NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F041G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1041-01-0066	NRI	EXAMINATION OF 4 NEW NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F041G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0028	NRI	EXAMINATION OF 2 NEW AND 10 EXISTING STUDS.
1B21-F041G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0077	NRI	EXAMINATION OF 8 EXISTING NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F047C-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0075	NRI	EXAMINATION OF 12 EXISTING NUTS.

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1B21-F047C-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0031	NRI	EXAMINATION OF 2 NEW AND 10 EXISTING STUDS.
1B21-F047G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0078	NRI	EXAMINATION OF 3 EXISTING NUTS.
1B21-F047G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0035	NRI	EXAMINATION OF 1 NEW AND 11 EXISTING STUDS.
1B21-F047G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0067	NRI	EXAMINATION OF 9 NEW NUTS.
1B21-F051A-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0080	NRI	EXAMINATION OF 2 EXISTING NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F051A-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0068	NRI	EXAMINATION OF 10 NEW NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F051A-B SRV BOLTING, 12 EACH 10" N/A 305-605-101	B-G-2 B7.50	VT-1	1042-01-0032	NRI	EXAMINATION OF 3 NEW AND 9 EXISTING STUDS.
1B21-F051C-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0069	NRI	EXAMINATION OF 6 NEW NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F051C-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0033	NRI	EXAMINATION OF 12 NEW STUDS.
1B21-F051C-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0074	NRI	EXAMINATION OF 6 EXISTING NUTS. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.

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1B21-F051D-B SRV BOLTING, 12 EACH 10" N/A 305-605-104	B-G-2 B7.50	VT-3	1042-01-0072	NRI	ORIGINALLY NOT SCHEDULED FOR RFO8, BUT SRV WAS REPLACED DUE TO LEAK-BY DURING THE OPERATING CYCLE. EXAMINED 12 EXISTING NUTS OUT OF PLACE. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F051D-B SRV BOLTING, 12 EACH 10" N/A 305-605-104	B-G-2 B7.50	VT-3	1042-01-0036	NRI	ORIGINALLY NOT SCHEDULED FOR RFO8, BUT SRV WAS REPLACED DUE TO LEAK-BY DURING THE OPERATING CYCLE. 6 NEW AND 6 EXISTING STUDS WERE EXAMINED OUT OF PLACE. CR # 01-1660 WRITTEN FOR DISCREPANCIES BETWEEN THE NUTS IDENTIFIED ON THE EXAM REPORTS VS THOSE DOCUMENTED AS BEING INSTALLED BY THE CRAFT.
1B21-F051G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0076	NRI	EXAMINATION OF 3 EXISTING NUTS.
1B21-F051G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0034	NRI	EXAMINATION OF 12 EXISTING STUDS.
1B21-F051G-B SRV BOLTING, 12 EACH 10" N/A 305-605-103	B-G-2 B7.50	VT-1	1042-01-0070	NRI	EXAMINATION OF 9 NEW NUTS.
1B21-H0042 MECHANICAL SNUBBER (WA) (TANDEM) 12" N/A 305-605-120	F-A F3.SN	VT-3	1042-01A-0042	NRI	NONE.
1B21-H0042-WA INTEGRAL ATTACHMENT MECHANICAL SNUBBER 12" N/A 305-605-120	D-Ac D1.20	VT-3	1042-01A-0050	NRI	NONE.
1B21-H0088 ANCHOR (WA) 10" N/A 305-605-114	F-A F3.A	VT-3	1042-01A-0049	NRI	NONE.
1B21-H0181 MECHANICAL SNUBBER (WA) (TANDEM) 14" N/A 305-605-119	F-A F3.SN	VT-3	1042-01A-0053	NRI	NONE.

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1B21-H0181-WA INTEGRAL ATTACHMENT MECHANICAL SNUBBER 14" N/A 305-605-119	D-Ac D1.20	VT-3	1042-01A-0052	NRI	NONE.
1B21-H0416 VARIABLE SPRING (WA) 10" N/A 305-605-115	F-A F3.SP	VT-3	1042-01A-0046	NRI	NONE.
1B21-P415-WA @ P415 FLUED HD FITTING TO PROCESS PIPE ATTACH WELD N/A N/A 305-605-110	X-E X10.20	UT	0944019-01-0001	IND	SUBSURFACE INDICATIOS THAT WERE PREVIOUSLY RECORDED SEEN AT SIMILAR AMPLITUDES AND SWEEP POSITIONS.
1B33-C001B-1B PUMP BOLTING N/A N/A 305-602-105	B-G-1 B6.180	UT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERED TO END OF INTERVAL AS ALLOWED BY SECTION XI DUE TO UNFORSEEN STUD GEOMETRY INTERFERENCES.
1B33-C001B-1N NUT N/A N/A 305-602-105	B-G-1 B6.200	VT-1	1042-01A-0037	NRI	NONE.
1B33-C001B-2B PUMP BOLTING N/A N/A 305-602-105	B-G-1 B6.180	UT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERED TO END OF INTERVAL AS ALLOWED BY SECTION XI DUE TO UNFORSEEN STUD GEOMETRY INTERFERENCES.
1B33-C001B-2N NUT N/A N/A 305-602-105	B-G-1 B6.200	VT-1	1042-01A-0037	NRI	NONE.
1B33-C001B-3B PUMP BOLTING N/A N/A 305-602-105	B-G-1 B6.180	UT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERED TO END OF INTERVAL AS ALLOWED BY SECTION XI DUE TO UNFORSEEN STUD GEOMETRY INTERFERENCES.
1B33-C001B-3N NUT N/A N/A 305-602-105	B-G-1 B6.200	VT-1	1042-01A-0037	NRI	NONE.
1B33-C001B-4B PUMP BOLTING N/A N/A 305-602-105	B-G-1 B6.180	UT	N/A		ORIGINALLY SCHEDULED FOR RFO8, BUT DEFERED TO END OF INTERVAL AS ALLOWED BY SECTION XI DUE TO UNFORSEEN STUD GEOMETRY INTERFERENCES.

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1B33-C001B-4N NUT N/A N/A 305-602-105	B-G-1 B6.200	VT-1	1042-01A-0037	NRI	NONE.
1B33-C001B-5B PUMP BOLTING N/A N/A 305-602-105	B-G-1 B6.180	UT	N/A		ORIGINALLY SCHEDULED FOR RF08, BUT DEFERED TO END OF INTERVAL AS ALLOWED BY SECTION XI DUE TO UNFORSEEN STUD GEOMETRY INTERFERENCES.
1B33-C001B-5N NUT N/A N/A 305-602-105	B-G-1 B6.200	VT-1	1042-01A-0037	NRI	NONE.
1B33-F067B-B 24" VALVE BOLTING 24" N/A 305-602-104	B-G-2 B7.70	VT-1	1042-01A-0036	NRI	EXAMINED ALL 24 NUTS IN PLACE.
1C41-0001 SWEEPOLET TO 12" PIPE. 12" 80 305-691-101	B-J B9.32	PT	0941-01A-0013	NRI	NONE.
1C41-0004 1-1/2" PIPE TO 3" X 1-1/2" RED. ELBOW(HIGH STRESS) 1-1/2" 40 305-691-101	B-J B9.21	PT	0941-01A-0013	NRI	NONE.
1C41-0007 1-1/2" VALVE F036 TO PIPE (HIGH STRESS) 1-1/2" 40 305-691-101	B-J B9.40	PT	0941-01A-0012	NRI	NONE.
1C41-0008 1-1/2" PIPE TO VALVE F036 (HIGH STRESS) 1-1/2" 40 305-691-101	B-J B9.40	PT	0941-01A-0012	NRI	NONE.
1C41-0009 1-1/2" TEE TO PIPE (HIGH STRESS) 1-1/2" 40 305-691-101	B-J B9.40	PT	0941-01A-0012	NRI	NONE.
1C41-H0059 RIGID GUIDE 1-1/2" N/A 305-691-101	F-A F1.Gs	VT-3	1042-01A-0065	NRI	NONE.

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1C41-H0068 VARIABLE SPRING 1-1/2" N/A 305-691-101	F-A F1.SP	VT-3	1042-01A-0064	NRI	NONE.
1E12-0046 24" PIPE TO VALVE F004A 24" 40 305-642-107	C-F-2 C5.51	MT	0942-01A-0004	NRI	NONE.
1E12-0046 24" PIPE TO VALVE F004A 24" 40 305-642-107	C-F-2 C5.51	UT	0944008-01-0003	NRI	NONE.
1E12-0112 18" FLANGE TO PIPE 18" 40 305-641-102	C-F-2 C5.51	UT	0944008-01-0001	NRI	NONE.
1E12-0112 18" FLANGE TO PIPE 18" 40 305-641-102	C-F-2 C5.51	MT	0942-01A-0002	NRI	NONE.
1E12-0337 12" VALVE F050A TO PIPE 12" 100 305-642-120	C-F-2 C5.51	UT	0944008-01-0009	GEO	GEOMETRIC INDICATIONS REPORTED IN PRESERVICE EXAMS SEEN AT SIMILAR AMPLITUDES AND SWEEP POSITIONS.
1E12-0337 12" VALVE F050A TO PIPE 12" 100 305-642-120	C-F-2 C5.51	MT	0942-01A-0012	NRI	NONE.
1E12-0338 12" PIPE TO 12" X 14" REDUCING SLEEVE 12" 120 305-642-120	C-F-2 C5.51	MT	0942-01A-0015	NRI	NONE.
1E12-0338 12" PIPE TO 12" X 14" REDUCING SLEEVE 12" 120 305-642-120	C-F-2 C5.51	UT	0944008-01-0009	GEO	GEOMETRIC INDICATIONS REPORTED IN PRESERVICE EXAMS SEEN AS SIMILAR AMPLITUDES AND SWEEP POSITIONS.
1E12-0390 12" PIPE TO 12" X 12" X 12" TEE 12" 40 305-642-126	C-F-2 C5.51	MT	0942-01A-0017	NRI	NONE.

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1E12-0390 12" PIPE TO 12" X 12" X 12" TEE 12" 40 305-642-126	C-F-2 C5.51	UT	0944008-01-0010	NRI	NONE.
1E12-0417 12" PIPE TO 12" X 12" X 12" TEE 12" 40 305-642-127	C-F-2 C5.51	UT	0944008-01-0007	NRI	NONE.
1E12-0417 12" PIPE TO 12" X 12" X 12" TEE 12" 40 305-642-127	C-F-2 C5.51	MT	0942-01A-0011	NRI	NONE.
1E12-0470 12" PIPE TO 12" X 12" X 6" TEE 12" STD 305-641-105	C-F-2 C5.51	UT	0944008-01-0004	NRI	NONE.
1E12-0470 12" PIPE TO 12" X 12" X 6" TEE 12" STD 305-641-105	C-F-2 C5.51	MT	0942-01A-0005	NRI	NONE.
1E12-0586 12" PIPE TO 12" X 14" REDUCING SLEEVE 12" 120 305-642-131	C-F-2 C5.51	MT	0942-01A-0013	NRI	NONE.
1E12-0586 12" PIPE TO 12" X 14" REDUCING SLEEVE 12" 120 305-642-131	C-F-2 C5.51	UT	0944008-01-0008	GEO	GEOMETRIC INDICATIONS REPORTED IN PRESERVICE EXAMS SEEN AS SIMILAR AMPLITUDES AND SWEEP POSITIONS.
1E12-0920 10" PIPE TO ELBOW 10" 80 305-641-112	C-F-2 C5.51	MT	0942-01A-0014	NRI	NONE.
1E12-0920 10" PIPE TO ELBOW 10" 80 305-641-112	C-F-2 C5.51	UT	0944008-01-0011	GEO	ID GEOMETRY OBSERVED INTERMITANTLY 360 DEGREES ABOVE AND BELOW RECORDING LEVELS. SINCE GEOMETRY HAD NOT BEEN PREVIOUSLY RECORDED, THE RADIOGRAPHS WERE REVIEWED AND ROOT CONVEXITY WAS CONFIRMED.
1E12-B001A-001 SHELL FLANGE TO SHELL CYLINDER #1 N/A N/A 305-641-121	C-A C1.10	UT	0944008-01-0005	NRI	NONE.

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1E12-B001A-SB1-SP RIGID, HEAT EXCHANGER SUPPORT (WA) N/A N/A 305-641-121	F-A F4.0	VT-3	1042-01A-0005	NRI	SURFACE RUST, BUT NO SIGNIFICANT MATERIAL LOSS.
1E12-B001A-SL1-SP RIGID, HEAT EXCHANGER GUIDE (WA) N/A N/A 305-641-121	F-A F4.0	VT-3	1042-01A-0017	NRI	SURFACE RUST, BUT NO SIGNIFICANT MATERIAL LOSS.
1E12-B001A-SL1-WA HEAT EXCHANGER GUIDE BRACKET WELDED ATTACHMENT N/A N/A 305-641-121	C-Cc C3.10	UT	0942-01A-0007	NRI	SUBSTITUTED IN PLACE OF 1E12-B001A-SB1-WA FOR ALARA.
1E12-B001A-SL3-SP RIGID, HEAT EXCHANGER GUIDE (WA) N/A N/A 305-641-121	F-A F4.0	VT-3	1042-01A-0018	NRI	SURFACE RUST, BUT NO SIGNIFICANT MATERIAL LOSS.
1E12-C002A-006 24" SUCTION FLANGE TO 24" PUMP SUCTION N/A N/A 305-641-120	C-G C6.10	MT	0942-01A-0001	NRI	NONE.
1E12-C002A-008 24" SUCTION PIPE TO SHELL HEAD N/A N/A 305-641-120	C-G C6.10	MT	0942-01A-0001	NRI	NONE.
1E12-C002A-011 24" SUCTION PIPE LONG SEAM N/A N/A 305-641-120	C-G C6.10	MT	0942-01A-0001	NRI	NONE.
1E12-C002A-SP1 ANCHOR, PUMP SUPPORT N/A N/A 305-641-120	F-A F4.0	VT-3	1042-01A-0011	NRI	NONE.
1E12-F0041A-IS 12"CHECK VALVE,INTERNAL SURFACE(GROUPING NO. XIII) 12" N/A 305-642-125	B-M-2 B12.50	VT-3	1042-01-0062	NRI	VALVE INTERIOR EXAMINED AS SEAL REPLACEMENT AFFORDED ACCESS. SLIGHT NICKS ON THE MATING SURFACE OF THE BODY TO BONNET, BUT NO RELEVANT PRESSURE BOUNDARY INDICATIONS.
1E12-H0039 MECHANICAL SNUBBER 12" N/A 305-642-126	F-A F2.SN	VT-3	1042-01A-0021	NRI	NONE.

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1E12-H0104 MECHANICAL SNUBBER 8" N/A 305-642-119	F-A F2.SN	VT-3	1042-01A-0002	NRI	NONE.
1E12-H0195 MECHANICAL SNUBBER 8" N/A 305-641-114	F-A F2.SN	VT-3	1042-01A-0016	NRI	NONE.
1E12-H0197 RIGID STRUT 8" N/A 305-641-114	F-A F2.STm	VT-3	1042-01A-0009	NRI	NONE.
1E12-H0277 RIGID STRUT 10" N/A 305-641-112	F-A F2.ST	VT-3	1042-01A-0030	NRI	NONE.
1E12-H0317 MECHANICAL SNUBBER 10" N/A 305-641-101	F-A F2.SN	VT-3	1042-01A-0015	NRI	NONE.
1E12-H0319 VARIABLE SPRING 10" N/A 305-641-101	F-A F2.SP	VT-3	1042-01A-0006	NRI	NONE.
1E12-H0320 ANCHOR (WA) 10" N/A 305-641-101	F-A F2.A	VT-3	1042-01A-0007	NRI	NONE.
1E12-H0394 MECHANICAL SNUBBER 8" N/A 305-642-101	F-A F2.SN	VT-3	1042-01A-0026	NRI	NONE.
1E12-H0395 VARIABLE SPRING (WA < .75" T) 8" N/A 305-642-101	F-A F2.SP	VT-3	1042-01A-0029	NRI	NONE.
1E12-H0465 RIGID GUIDE 18" N/A 305-641-110	F-A F2.Gs	VT-3	1042-01A-0008	NRI	NONE.

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1E12-H0649 RIGID STRUT 6" N/A 305-642-122	F-A F2.ST	VT-3	1042-01A-0014	NRI	NONE.
1E12-H0727 RIGID STRUT 6" N/A 305-641-119	F-A F2.ST	VT-3	1042-01A-0010	NRI	NONE.
1E12-H0729 MECHANICAL SNUBBER 18" N/A 305-642-101	F-A F2.SN	VT-3	1042-01A-0027	NRI	LIGHT CORROSION ON SUPPORT CYLINDER THAT WILL NOT INTERFERE WITH OPERATION.
1E21-0055 24" PIPE TO FLANGE 24" STD 305-705-102	C-F-2 C5.51	MT	0942-01A-0003	NRI	NONE.
1E21-0055 24" PIPE TO FLANGE 24" STD 305-705-102	C-F-2 C5.51	UT	0944008-01-0002	NRI	NONE.
1E21-C001-004 HEAD FLANGE TO HEAD SHELL N/A N/A 305-705-113	C-G C6.10	MT	0942-01A-0006	NRI	NONE.
1E21-C001-011 24" PUMP SUCTION PIPE LONGITUDINAL SEAM N/A N/A 305-705-113	C-G C6.10	MT	0942-01A-0006	NRI	NONE.
1E21-C001-1B LPCS PUMP, STUD #1 N/A N/A 305-705-113	C-D C4.30	UT	0944012-01-0001	NRI	NONE.
1E21-C001-2B LPCS PUMP, STUD #2 N/A N/A 305-705-113	C-D C4.30	UT	0944012-01-0001	NRI	NONE.
1E21-C001-3B LPCS PUMP, STUD #3 N/A N/A 305-705-113	C-D C4.30	UT	0944012-01-0001	NRI	NONE.

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1E21-C001-4B LPCS PUMP, STUD #4 N/A N/A 305-705-113	C-D C4.30	UT	0944012-01-0001	NRI	NONE.
1E21-C001-5B LPCS PUMP, STUD #5 N/A N/A 305-705-113	C-D C4.30	UT	0944012-01-0001	NRI	NONE.
1E21-C001-6B LPCS PUMP, STUD #6 N/A N/A 305-705-113	C-D C4.30	UT	0944012-01-0001	NRI	NONE.
1E21-C001-7B LPCS PUMP, STUD #7 N/A N/A 305-705-113	C-D C4.30	UT	0944012-01-0001	NRI	NONE.
1E21-C001-8B LPCS PUMP, STUD #8 N/A N/A 305-705-113	C-D C4.30	UT	0944012-01-0001	NRI	NONE.
1E21-H0015 MECHANICAL SNUBBER 12" N/A 305-705-109	F-A F1.SN	VT-3	1042-01A-0023	NRI	NONE.
1E21-H0035 RIGID ROD (WA < .75") 14" N/A 305-705-104	F-A F2.R	VT-3	1042-01A-0003	NRI	NONE.
1E21-H0053 HYDRAULIC SNUBBER 14" N/A 305-705-104	F-A F2.SN	VT-3	1042-01A-0019	NRI	NONE.
1E21-H0064 VARIABLE SPRING 12" N/A 305-705-108	F-A F2.SP	VT-3	1042-01A-0004	NRI	NONE.
1E21-P112-SP ANCHOR, PEN TO CONTAINMENT (WA) 12" N/A 305-705-109	F-A F1.A	VT-3	1042-01A-0024	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1E22-0050 16" PIPE TO 6" WELDOLET. 6" 120 305-701-104	C-F-2 C5.81	MT	0942-01A-0008	NRI	NONE.
1E22-0078 24" PENE. P401 PROCESS PIPE TO ELBOW 24" 80 305-701-101	C-F-2 C5.51	MT	0942-01A-0010	NRI	NONE.
1E22-0078 24" PENE. P401 PROCESS PIPE TO ELBOW 24" 80 305-701-101	C-F-2 C5.51	UT	0944008-01-0006	NRI	NONE.
1E22-C001-006 16" DISCHARGE FLANGE TO 16" DISCHARGE PIPE 16" N/A 305-701-114	C-G C6.10	MT	0942-01A-0009	NRI	NONE.
1E22-C001-007 16" DISCHARGE PIPE TO HEAD SHEL 16" N/A 305-701-114	C-G C6.10	MT	0942-01A-0009	NRI	NONE.
1E22-C001-016 16" DISCHARGE PIPE LONGITUDINAL SEAM 16" N/A 305-701-114	C-G C6.10	MT	0942-01A-0009	NRI	NONE.
1E22-H0009 VARIABLE SPRING 12" N/A 305-701-109	F-A F1.SP	VT-3	1042-01A-0025	NRI	NONE.
1E22-H0017 MECHANICAL SNUBBER 12" N/A 305-701-109	F-A F1.SN	VT-3	1042-01A-0022	NRI	NONE.
1E22-H0034 MECHANICAL SNUBBER 24" N/A 305-701-102	F-A F2.SN	VT-3	1042-01A-0013	NRI	NONE.
1E22-H0051 RIGID STRUT 16" N/A 305-701-105	F-A F2.ST	VT-3	1042-01A-0012	NRI	NONE.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1E22-H0062 RIGID SUPPORT (WA) 16" N/A 305-701-107	F-A F2.R	VT-3	1042-01A-0020	NRI	NONE.
1E32-0197 @ 2" PIPE TO ELBOW 2" 160 305-605-108	X-B X10.11	PT	0941-01A-0009	NRI	NONE.
1E32-0215 2" COUPLING ON VALVE F028A TO PIPE (HIGH STRESS) 2" 160 305-605-107	B-J B9.40	PT	0941-01A-0007	NRI	NONE.
1E32-0234 @ 2" COUPLING ON VALVE F028D TO 2" PIPE 2" 160 305-605-110	X-B X10.11	PT	0941-01A-0008	NRI	NONE.
1E32-0252 @ 2" COUPLING ON VALVE F028C TO 2" PIPE 2" 160 305-605-109	X-B X10.11	PT	0941-01A-0006	NRI	NONE.
1E51-0001-B 6" FLANGE BOLTING 6" N/A 305-631-108	B-G-2 B7.50	VT-1	1042-01-0102	NRI	EXAMINED 12 STUDS AND 24 NUTS OUT OF PLACE. 3 OF THE STUDS AND 6 NUTS WERE NEW.
1E51-0009-B 6" FLANGE BOLTING 6" N/A 305-631-108	B-G-2 B7.50	VT-1	1042-01-0103	NRI	EXAMINED 12 STUDS AND 24 NUTS IN PLACE. NO NEW STUDS OR NUTS.
1E51-F0064-IS 10"GATE VALVE INTERNAL SURFACE (GROUPING NO. XXII) 10" N/A 305-632-102	B-M-2 B12.50	VT-3	1042-01-0088	NRI	VALVE INTERIOR EXAMINED AS REWORK DUE TO LLRT FAILURE AFFORDED ACCESS.
1G33-0061 6" VALVE F001 TO PIPE 6" 80 305-671-103	B-J B9.11	MT	0942-01A-0019	NRI	U-BOLT OF 1G33-H0081 REMOVED TO PROVIDE ACCESS FOR THIS ONE SIDED EXAM. EXAM STILL LIMITED TO 98% COMPLETE BY U-BOLT BASEPLATE OF SUPPORT.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1G33-0061 6" VALVE F001 TO PIPE 6" 80 305-671-103	B-J B9.11	UT	0944008-01-0016	NRI	U-BOLT OF 1G33-H0081 REMOVED TO PROVIDE ACCESS FOR THIS ONE SIDED EXAM. EXAM STILL LIMITED TO 75% COMPLETE BY U-BOLT BASEPLATE OF SUPPORT, WHICH COULD NOT BE REMOVED WITHOUT RECEIVING EXCESSIVE DOSE. RELIEF REQUEST IR-004 WILL BE REVISED TO COVER THIS WELD.
1G33-0062 6" PIPE TO P131 PROCESS PIPE 6" 80 305-671-103	B-J B9.11	UT	0944008-01-0015	GEO	COMPLETE ONE SIDED EXAM. PERFORMED FROM PENETRATION PROCESS PIPE SIDE OF WELD DUE TO PIPE SIDE INTERFERENCE FROM U-BOLT OF 1G33-H0081. 360 DEGREE INTERMITENT ROOT GEOMETRY RECORDED.
1G33-0062 6" PIPE TO P131 PROCESS PIPE 6" 80 305-671-103	B-J B9.11	MT	0942-01A-0019	NRI	NONE.
1G33-0080 4" CS PIPE SS PIPE 4" 80 305-671-105	B-F B5.130	PT	0941-01A-0010	NRI	NO RELEVANT INDICATIONS, BUT ACCEPTABLE ROUNDED INDICATIONS WERE RECORDED.
1G33-0080 4" CS PIPE SS PIPE 4" 80 305-671-105	B-F B5.130	UT	1Q800-01-032	NRI	THIS DISSIMILAR METAL WELD EXAM WAS PERFORMED USING THE SENSITIVITY OF THE PY-4-80-CS AS IT PROVIDED THE HIGHEST SENSITIVITY.
1G33-H0027 RIGID STRUT (TANDEM) 4" N/A 305-671-106	F-A F1.ST	VT-3	1042-01A-0040	NRI	NONE.
1G33-H0078 VARIABLE SPRING 3" N/A 305-671-102	F-A F1.SP	VT-3	1042-01A-0041	NRI	NONE.
1G41-A002A-SP ANCHOR, SURGE TANK (WA) N/A N/A 305-655-118	F-A F4.0	VT-3	1042-01-0013	NRI	NONE.
1G41-A002A-WA INTEGRAL ATTACHMENT, SURGE TANK ANCHOR N/A N/A 305-655-118	D-Ac D1.10	VT-3	1042-01-0014	NRI	NONE.

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1G41-H0011 RIGID ROD 10" N/A 305-655-117	F-A F3.R	VT-3	1042-01-0012	NRI	NONE.
1G41-H0043 RIGID STRUT 8" N/A 305-655-110	F-A F3.ST	VT-3	1042-01-0009	NRI	NONE.
1G41-H0105 RIGID STRUT 10" N/A 305-655-109	F-A F3.STm	VT-3	1042-01-0008	NRI	NONE.
1G41-H0129-WA INTEGRAL ATTACHMENT RIGID STRUT 10" N/A 305-655-108	D-Ac D1.20	VT-3	1042-01-0006	NRI	NONE.
1G41-H0133 RIGID GUIDE 10" N/A 305-655-108	F-A F3.G	VT-3	1042-01-0007	NRI	NONE.
1G41-H0191 MECHANICAL SNUBBER 10" N/A 305-655-112	F-A F3.SN	VT-3	1042-01-0003	NRI	NONE.
1G41-H0197 RIGID STRUT 10" N/A 305-655-112	F-A F3.STm	VT-3	1042-01-0011	NRI	NONE.
1G41-H0232 MECHANICAL SNUBBER 10" N/A 305-655-111	F-A F3.SN	VT-3	1042-01-0002	NRI	NONE.
1G41-H0239 RIGID STRUT 10" N/A 305-655-111	F-A F3.ST	VT-3	1042-01-0010	NRI	NONE.
1G41-H0313 RIGID STRUT 12" N/A 305-654-102	F-A F3.ST	VT-3	1042-01-0004	NRI	NONE.

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1G41-H0409 RIGID STRUT 10" N/A 305-655-106	F-A F3.STm	VT-3	1042-01-0005	NRI	NONE.
1G42-H0014 RIGID STRUT 10" N/A 305-655-101	F-A F3.STm	VT-3	1042-00-0009	NRI	NONE.
1G42-H0017 RIGID GUIDE 10" N/A 305-655-101	F-A F3.G	VT-3	1042-00-0010	NRI	NONE.
1N11-H0229 VARIABLE SPRING 26" N/A 305-605-108	F-A F2.SP	VT-3	1042-01A-0035	NRI	NONE.
1N22-0059 VALVE F022D TO 2" PIPE 2" 160 305-121-101	B-J B9.40	PT	0941-01A-0011	NRI	NONE.
1N22-0066 @ 2" PIPE TO 2" X 3" REDUCER 2" 160 305-121-101	X-B X10.11	PT	0941-01A-0011	NRI	NONE.
1N22-0106 @ 2" PIPE TO ELBOW 2" 160 305-121-101	X-B X10.11	PT	0941-01A-0011	NRI	NONE.
1N22-0115 @ 2" ELBOW TO PIPE 2" 160 305-121-101	X-B X10.11	PT	0941-01A-0011	NRI	NONE.
1N22-0116 @ 2" PIPE TO 3" X 3" X 2" TEE 2" 160 305-121-101	X-B X10.11	PT	0941-01A-0011	NRI	NONE.
1N22-H0003 RIGID STRUT 2" N/A 305-121-101	F-A F1.ST	VT-3	1042-01A-0047	NRI	NONE.

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1N22-H0017 MECHANICAL SNUBBER 2" N/A 305-121-101	F-A F1.SN	VT-3	1042-01A-0055	NRI	NONE.
1N27-0022 @ 20" PENE. P414 PROCESS PIPE TO VALVE F559B 20" 80 305-082-105	X-B X10.10	UT	0944008-01-0012	NRI	COMPLETE ONE SIDED EXAM.
1N27-0071 1 1/2" VALVE F740 TO PIPE 1-1/2" 160 305-971-102	X-B X10.11	PT	0941-01A-0005	NRI	EXAM COVERAGE LIMITED TO 90% BY COMPONENT SUPPORT.
1N27-0076 1 1/2" PIPE TO CROSS 1-1/2" 160 305-971-102	X-B X10.11	PT	0941-01A-0004	NRI	NONE.
1N27-0077 1 1/2" CROSS TO 1 1/2" X 1" REDUCER 1-1/2" 160 305-971-102	X-B X10.11	PT	0941-01A-0003	NRI	NONE.
1N27-0078 1 1/2" CROSS TO 1 1/2" X 1" REDUCER 1-1/2" 160 305-971-102	X-B X10.11	PT	0941-01A-0003	IND	ACCEPTABLE CLUSTER OF POROSITY.
1P42-A001A-SP SURGE TANK ANCHOR (WA) N/A N/A 305-621-113	F-A F4.0	VT-3	1042-00-0016	NRI	NONE.
1P42-A001A-WA INTEGRAL ATTACHMENT SURGE TANK ANCHOR N/A N/A 305-621-113	D-Ac D1.10	VT-3	1042-00-0017	NRI	NONE.
1P42-B001A-SP HEAT EXCHANGER ANCHOR (WA) N/A N/A 305-621-112	F-A F4.0	VT-3	1042-00-0012	NRI	NONE.
1P42-B001A-WA INTEGRAL ATTACHMENT HEAT EXCHANGER ANCHOR N/A N/A 305-621-112	D-Ac D1.10	VT-3	1042-00-0013	NRI	NONE.

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1P45-C001A-SP ANCHOR, PUMP SUPPORT (WA) N/A N/A 305-791-108	F-A F4.0	VT-3	1042-00-0019	NRI	NONE.
1P45-C001A-WA INTEGRAL ATTACHMENT PUMP ANCHOR N/A N/A 305-791-108	D-Ac D1.30	VT-3	1042-00-0018	NRI	NONE.
1P45-H0004 RIGID GUIDE 16" N/A 305-792-103	F-A F3.G	VT-3	1042-01-0025	NRI	MINOR SURFACE RUST ON WELDS.
1P45-H0119 RIGID GUIDE 16" N/A 305-792-107	F-A F3.G	VT-3	1042-01-0027	NRI	MINOR SURFACE RUST ON WELDS.
1P45-H0183 MECHANICAL SNUBBER (WA) 24" N/A 305-791-106	F-A F3.SN	VT-3	1042-01-0022	NRI	NONE.
1P45-H0183-WA INTEGRAL ATTACHMENT MECHANICAL SNUBBER 24" N/A 305-791-106	D-Ac D1.20	VT-3	1042-01-0023	NRI	NONE.
1P45-H0240 RIGID STRUT 8" N/A 305-791-103	F-A F3.ST	VT-3	1042-01-0021	NRI	NONE.
1P45-H0391 RIGID GUIDE 14" N/A 305-792-105	F-A F3.G	VT-3	1042-01-0026	NRI	LIGHT SURFACE RUST ON WELDS.
1P45-H0527 RIGID STRUT 8" N/A 305-792-101	F-A F3.ST	VT-3	1042-01-0024	NRI	NONE.
1P47-B001A-SP ANCHOR, CHILLER (WA) N/A N/A 305-002-116	F-A F4.0	VT-3	1042-01-0019	NRI	NONE.

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1P47-B001A-WA INTEGRAL ATTACHMENT CHILLER ANCHOR N/A N/A 305-002-116	D-Ac D1.10	VT-3	1042-01-0020	NRI	NONE.
1P47-H0002 RIGID GUIDE (WA) 10" N/A 305-002-101	F-A F3.G	VT-3	1042-01-0016	NRI	LIGHT SURFACE RUST ON WELDS.
1P47-H0184 RIGID STRUT 8" N/A 305-002-106	F-A F3.ST	VT-3	1042-01-0018	NRI	NONE.
1P47-H0357 RIGID STRUT 10" N/A 305-002-105	F-A F3.ST	VT-3	1042-01-0017	NRI	NONE.
1P57-A003A-SP ANCHOR, ADS SAFETY-RELATED AIR STORAGE TANK A (WA) N/A N/A 305-271-101	F-A F4.0	VT-3	1042-00-0021	NRI	NONE.
1P57-A003A-WA INTEGRAL ATTACHMENT ADS S/R AIR STORAGE TANK A N/A N/A 305-271-101	D-Ac D1.10	VT-3	1042-00-0020	NRI	NONE.
1R46-B002A-SP ANCHOR, JACKET WATER HEAT EXCHANGER (WA) N/A N/A 305-354-103	F-A F4.0	VT-3	1042-00-0022	NRI	NONE.
1R47-D006A-SP STNBY DIESEL GEN. L.O. KP WARM FILTER ANCHOR (WA) N/A N/A 305-353-101	F-A F4.0	VT-3	1042-00-0008	NRI	NONE.
1R47-D006A-WA INTEGRAL ATTACHMENT WARM FILTER ANCHOR N/A N/A 305-353-101	D-Ac D1.10	VT-3	1042-00-0007	NRI	NONE.
1R48-H0002 RIGID GUIDE 24" N/A 305-355-103	F-A F3.G	VT-3	1042-00-0014	NRI	NONE.

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1R48-H0031 ANCHOR (NOT WELDED) 26" N/A 305-355-105	F-A F3.A	VT-3	1042-00-0015	NRI	NONE.
2G41-H0038 MECHANICAL SNUBBER 10" N/A 305-655-103	F-A F3.SN	VT-3	1042-01-0001	NRI	NONE.
2P42-H0013 RIGID GUIDE 12" N/A 305-623-107	F-A F3.Gs	VT-3	1042-00-0006	NRI	NONE.
2P42-H0049 RIGID STRUT 12" N/A 305-623-112	F-A F3.ST	VT-3	1042-00-0011	NRI	NONE.
2P42-H0052 MECHANICAL SNUBBER 12" N/A 305-623-112	F-A F3.SN	VT-3	1042-00-0004	NRI	NONE.
CLASS 1, PIPING PIPING-SYSTEM LEAKAGE TEST N/A N/A 305-NO-DWG	B-P B15.50	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 1, PUMPS PUMPS-SYSTEM LEAKAGE TEST N/A N/A 305-NO-DWG	B-P B15.60	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 1, VALVES VALVES-SYSTEM LEAKAGE TEST N/A N/A 305-NO-DWG	B-P B15.70	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 1, PR COMP REACTOR VESSEL-SYSTEM LEAKAGE TEST N/A N/A 305-NO-DWG	B-P B15.10	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 2, PIPING SYSTEM PRESSURE TEST N/A N/A 305-NO-DWG	C-H C7.30	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.

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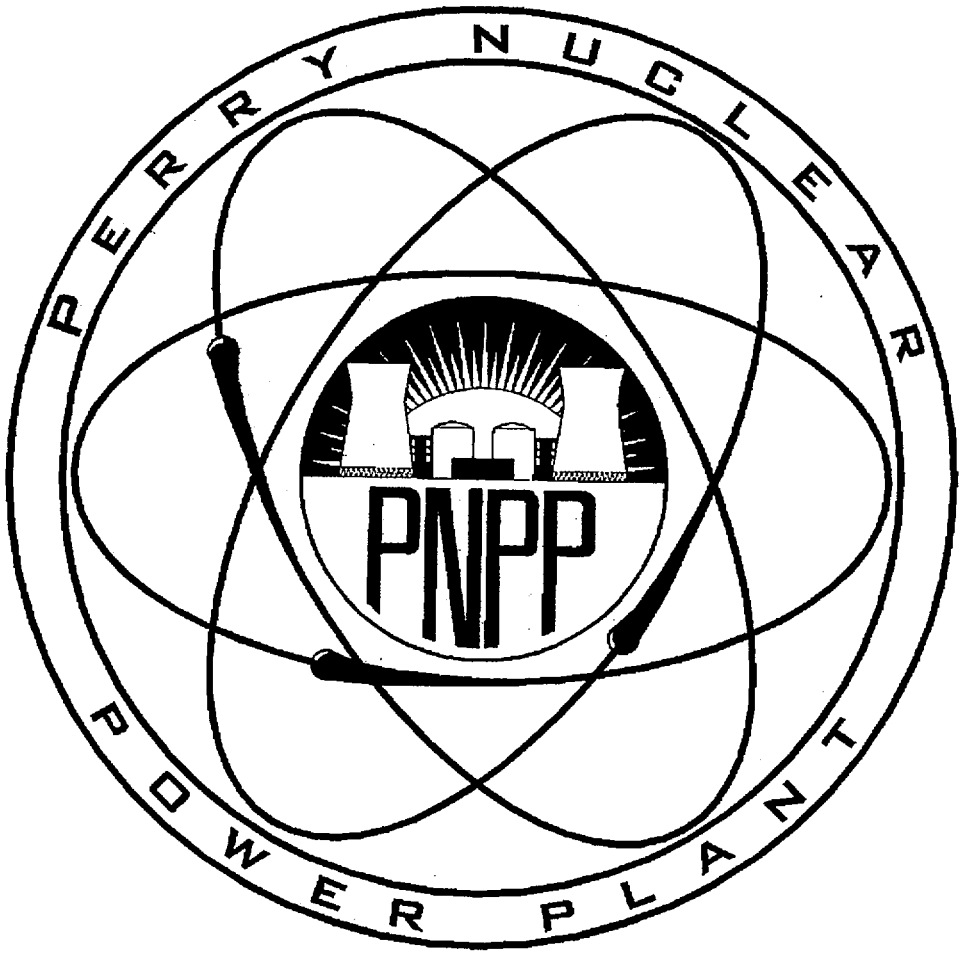
CLASS 2, PRESS VESS SYSTEM PRESSURE TEST N/A N/A 305-NO-DWG	C-H C7.10	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 2, PUMPS SYSTEM PRESSURE TEST N/A N/A 305-NO-DWG	C-H C7.50	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 2, VALVES SYSTEM PRESSURE TEST N/A N/A 305-NO-DWG	C-H C7.70	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 3, PR COMP SYSTEM PRESSURE TEST N/A N/A 305-NO-DWG	D-A D1.10	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 3, PR COMP SYSTEM PRESSURE TEST N/A N/A 305-NO-DWG	D-B D2.10	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
CLASS 3, PR COMP SYSTEM PRESSURE TEST N/A N/A 305-NO-DWG	D-C D3.10	VT-2	SEE REMARKS	NRI	EXAM PERFORMED BY APPROPRIATE ISI PRESSURE TEST INSTRUCTIONS.
1T23-EXTERIOR EXTERIOR EL 599-757 AZ 0-360 N/A N/A 305-503-EXT	E-A E1.11	GVIS	SEE REMARKS	NRI	GENERAL VISUAL EXAM OF ACCESSIBLE CONTAINMENT EXTERIOR SURFACES AS DOCUMENTED IN ISI INSTRUCTION 1T23-T2400-5 (WITH ATTACHED VT-3 REPORTS 1042-01-0041, 0042, 0060 AND 0061).
1T23-INTERIOR INTERIOR EL 574-757 AZ 0-360 N/A N/A 305-503-INT	E-A E1.11	GVIS	SEE REMARKS	NRI	GENERAL VISUAL EXAM OF ACCESSIBLE CONTAINMENT INTERIOR SURFACES AS DOCUMENTED IN ISI INSTRUCTION 1T23-T2400-5 (WITH ATTACHED VT-3 REPORTS 1042-01-0039, 0040, 0046, 0048 THRU 0051 AND 0105).

Table Notes:

1. Status codes are "IND" for indication, "GEO" for geometry, and "NRI" for no recordable indications.
2. ASME Category and Item Numbers that start with an "X" are not actually ASME Categories and Item Numbers, rather they represent Augmented Examination categories and item numbers as defined in Perry's Inservice Examination Program.
3. The above exam listing is all those inservise examinations scheduled for Cycle8/RFO8 or Situational Requirement exams (e.g., valve interior exams performed due to access being provided) that arose.



First Energy Nuclear Operating Company

Perry Nuclear Power Plant

ISI Summary Report No. P0059-0008
Second Interval, Second Period, Second Outage (RFO8)
Cycle 8 and RFO8 Preservice Examinations

Prepared by: _____ Date: 4/26/2001
ISI Engineer

Reviewed by: Thomas G Lopa ANII Date: 5/10/01
Authorized Nuclear Inservice Inspector

Approved by: _____ Date: 5/15/01
Lead ISI Engineer

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1B21-H0446 HYDRAULIC SNUBBER (WA < .625" T) (TANDEM) 2" N/A 305-605-106	F-A F1.SN	VT-3	1042-01A-0054	NRI	PSI EXAM FOLLOWING REPLACEMENT OF TANDEM PHOENIX HYDRAULIC SNUBBERS WITH LISEGA HYDRAULIC SNUBBERS IAW ECP 00-8021.
1B21-H0447 HYDRAULIC SNUBBER 2" N/A 305-605-106	F-A F1.SN	VT-3	1042-01A-0043	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8022.
1B21-H0452 HYDRAULIC SNUBBER 2" N/A 305-605-106	F-A F1.SN	VT-3	1042-01A-0056	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8024.
1B21-H0453 HYDRAULIC SNUBBER 2" N/A 305-605-106	F-A F1.SN	VT-3	1042-01A-0057	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8023.
1B21-H0462 HYDRAULIC SNUBBER 2" N/A 305-605-106	F-A F1.SN	VT-3	1042-01A-0058	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8025.
1B21-H0472 HYDRAULIC SNUBBER 2" N/A 305-605-106	F-A F1.SN	VT-3	1042-01A-0059	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8026.
1B21-H0490 HYDRAULIC SNUBBER 2" N/A 305-605-106	F-A F1.SN	VT-3	1042-01A-0060	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8027.
1B21-H0491 HYDRAULIC SNUBBER 2" N/A 305-605-106	F-A F1.SN	VT-3	1042-01A-0061	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8028.
1B21-S105C HYDRAULIC SNUBBER MPL 1B21G7086 26" N/A 305-605-103	F-A F1.SN	VT-3	1042-01A-0068	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1B33-S369A HYDRAULIC SNUBBER, PUMP MOTOR, MPL 1B33G7064A N/A N/A 305-602-102	F-A F4.0	VT-3	1042-01A-0072	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.

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1E12-H0180 MECHANICAL SNUBBER (WA < .75 T) 8" N/A 305-642-132	F-A F2.SN	VT-3	1042-01A-0069	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PSA MECHANICAL SNUBBER WITH LIKE SNUBBER IAW CR 01-1247 FOR FILL & VENT PROBLEMS.
1E12-H0315 HYDRAULIC SNUBBER 24" N/A 305-642-107	F-A F2.SN	VT-3	1042-01A-0073	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1E12-H0316 HYDRAULIC SNUBBER 24" N/A 305-642-107	F-A F2.SN	VT-3	1042-01A-0074	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1E12-H0361 HYDRAULIC SNUBBER 24" N/A 305-642-116	F-A F2.SN	VT-3	1042-01A-0075	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1E12-H0362 HYDRAULIC SNUBBER 24" N/A 305-642-116	F-A F2.SN	VT-3	1042-01A-0076	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1E12-H0367 HYDRAULIC SNUBBER (WA < .75" T) 24" N/A 305-642-114	F-A F2.SN	VT-3	1042-01A-0077	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1E12-H0386 MECHANICAL SNUBBER 20" N/A 305-642-102	F-A F2.SN	VT-3	1042-01A-0070	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PSA MECHANICAL SNUBBER WITH LIKE SNUBBER IAW CR 01-1249 FOR ROOF LEAK PROBLEMS.
1E12-H0410 MECHANICAL SNUBBER 18" N/A 305-642-134	F-A F2.SN	VT-3	1042-01A-0071	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PSA MECHANICAL SNUBBER WITH LIKE SNUBBER IAW CR 01-1247 FOR FILL & VENT PROBLEMS.
1E12-H0490 HYDRAULIC SNUBBER 18" N/A 305-642-130	F-A F2.SN	VT-3	1042-01A-0078	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1E12-H0491 HYDRAULIC SNUBBER 18" N/A 305-642-130	F-A F2.SN	VT-3	1042-01A-0079	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1E21-H0001 HYDRAULIC SNUBBER 12" N/A 305-705-111	F-A F1.SN	VT-3	1042-01A-0066	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1E21-H0002 HYDRAULIC SNUBBER 12" N/A 305-705-111	F-A F1.SN	VT-3	1042-01A-0067	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1E51-H0072 HYDRAULIC SNUBBER 6" N/A 305-631-108	F-A F1.SN	VT-3	1042-01A-0062	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8029.
1G33-0145 2" PIPE TO HALF COUPLING 2" 160 305-671-107	B-J B9.40	PT	0941-01-0008	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0146 2" PIPE TO ELBOW 2" 160 305-671-107	B-J B9.40	PT	0941-01-0001	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0147 2" PIPE TO ELBOW 2" 160 305-671-107	B-J B9.40	PT	0941-01-0001	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0148 2" VALVE F505A TO PIPE 2" 160 305-671-107	B-J B9.40	PT	0941-01-0002	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0149 2" PIPE TO VALVE F505A 2" 160 305-671-107	B-J B9.40	PT	0941-01-0002	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0150 2" VALVE F506A TO PIPE 2" 160 305-671-107	B-J B9.40	PT	0941-01-0002	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0152 2" HALF COUPLING TO PIPE 2" 160 305-671-105	B-J B9.40	PT	0941-01-0006	IND	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049. EXAM FOUND 2 ACCEPTABLE 3/32" ROUNDED INDICATIONS.

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1G33-0153 2" PIPE TO ELBOW 2" 160 305-671-105	B-J B9.40	PT	0941-00-0002	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0154 2" ELBOW TO PIPE 2" 160 305-671-105	B-J B9.40	PT	0941-00-0002	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0155 2" PIPE TO VALVE F505B 2" 160 305-671-105	B-J B9.40	PT	0941-00-0003	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0156 2" VALVE F505B TO PIPE 2" 160 305-671-105	B-J B9.40	PT	0941-00-0002	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-0157 2" PIPE TO VALVE F506B 2" 160 305-671-105	B-J B9.40	PT	0941-00-0001	NRI	PSI EXAM FOLLOWING CUT OUT AND RE-WELDING FOR DRAIN LINE MODIFICATION IAW SMRF 99-5049.
1G33-H1007 RIGID GUIDE 2" N/A 305-671-107	F-A F1.G	VT-3	1042-01-0098	NRI	PSI EXAM OF NEW SUPPORT INSTALLED IAW SMRF 99-5049.
1G33-H1008 RIGID GUIDE 2" N/A 305-671-105	F-A F1.G	VT-3	1042-01-0091	NRI	PSI EXAM OF NEW SUPPORT INSTALLED IAW SMRF 99-5049.
1N27-H0004 HYDRAULIC SNUBBER 20" N/A 305-082-102	F-A F1.SN	VT-3	1042-01A-0063	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1N27-H0006 HYDRAULIC SNUBBER 20" N/A 305-082-102	F-A F1.SN	VT-3	1042-01A-0044	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.
1N27-H0007 HYDRAULIC SNUBBER 20" N/A 305-082-102	F-A F1.SN	VT-3	1042-01A-0045	NRI	PSI EXAM FOLLOWING REPLACEMENT OF E-SYSTEMS SNUBBER WITH LIKE SNUBBER IAW SNUBBER LIFE MONITORING PROGRAM.

ID of Component Examined Description of Component Size - Sched. - ISI Dwg. No.	ASME Category ASME Item No.	Exam Method	Exam Report No.	Status	Remarks
1P45-H0126 MECHANICAL SNUBBER 24" N/A 305-792-107	F-A F3.SN	VT-3	1042-01A-0080	NRI	PSI EXAM FOLLOWING REPLACEMENT OF PHOENIX HYDRAULIC SNUBBER WITH LISEGA HYDRAULIC SNUBBER IAW ECP 00-8045.
1P45-H0445 MECHANICAL SNUBBER 8" N/A 305-791-102	F-A F3.SN	VT-3	1042-01A-0081	NRI	PSI EXAM PERFORMED DUE TO REPLACEMENT OF LOAD PIN THAT WAS DAMAGED WHEN THE SNUBBER WAS REMOVED TO REPLACE A CRACKED WASHER.

Table Notes:

1. Status codes are "IND" for indication, "GEO" for geometry, and "NRI" for no recordable indications.
2. The above exam listing is all the preservice examinations that were performed during Cycle8/RFO8 due to repair, replacement, or modification activities.