

AUG 21 2003
LRN-03-0347



United States Nuclear Regulatory Commission
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**INSERVICE INSPECTION ACTIVITIES – 90 DAY REPORT
ELEVENTH REFUELING OUTAGE
HOPE CREEK GENERATING STATION UNIT 1
DOCKET NO. 50-354
FACILITY OPERATING LICENSE NO. DPR-57**

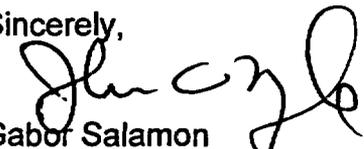
This letter submits the ninety (90) day report for Inservice Inspection (ISI) activities conducted at the Hope Creek Generating Station during the eleventh refueling outage. This report is submitted in accordance with Section 4.0.5 of the Technical Specifications for the Hope Creek Generating Station Unit 1 and Section XI of the ASME Boiler and Pressure Vessel Code, 1989 Edition no Addenda and 1998 Edition 1998 Addenda for IVE.

The enclosures to this letter are as follows:

Enclosure 1:	Form OAR-1, Owners Activity Report
Enclosure 2:	Hope Creek Generating Station Unit 1 Inservice Inspection Summary for the Second Interval, Second Period, Second Outage, Section XI Summary of Examinations and Tests
Enclosure 3:	Hope Creek Generating Station Inservice Inspection Examination Results
Enclosure 4:	Table 2 – Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service
Enclosure 5:	Table 3 – Abstract of Repairs, Replacements or Corrective Measures Required for Continued Service (for period November 3, 2001 to May 14, 2003)

Should you have any questions regarding this request, please contact Howard G. Berrick at 856-339-1862.

Sincerely,


for Gabor Salamon
Manager – Nuclear Safety and Licensing

Enclosures (5)

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HGB/

**C Mr. H. Miller
Regional Administrator - Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
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**U.S. Nuclear Regulatory Commission
ATTN: Mr. R. Ennis
Licensing Project Manager – Hope Creek
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USNRC Senior Resident Inspector – Hope Creek (X24)

**Mr. K. Tosch
Manager IV
Bureau of Nuclear Engineering
P. O. Box 415
Trenton, NJ 08625**

**Mr. Milton Washington
Chief Inspector
NJ Department of Labor
Division of Public Safety, Occupational Safety and Health
Bureau of Boiler and Pressure Vessel Compliance
P. O. Box 396
101 South Broad Street
Trenton, NJ 08625-0392**

ENCLOSURE 1
FORM OAR-1
OWNERS ACTIVITY REPORT

HCRFO#11

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: HCRFO#11

Owner: Public Service Electric & Gas Company

Plant: Hope Creek Nuclear Generating Station

Unit No. : 1 Commercial Service Date: 12/20/86

Refueling Outage No.: RFO#11

Current inspection interval: Second

Current inspection period: Second

Edition and Addenda of Section XI applicable to the inspection plan: 1989 Edition no Addenda and 1998 Edition 1998 Addenda For IWE.

Date and revision of inspection plan: 11/97, Rev. 0 / Chg. 0

Edition and Addenda of Section XI applicable repairs and replacements, if different than the inspection plan:

Class 1, 2, & 3 - 1995 Edition, 1996 Addenda Class MC - 1992 / 92 Addenda
(Unless Specifically Identified in the Individual repair plan)

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No.: N/A

Expiration Date: N/A

Signed: [Signature] Supervisor Date 7/30/03
Owner or Owner's Designee, Title

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 New Jersey and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut have inspected the items described in this Owner's Activity Report, during the period 11/03/01 to 05/14/03, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, repairs, replacements, evaluations and corrective measures described in this 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.

[Signature] Commissions NB941T, N NJ 786 PA388
Inspector's Signature National Board, State, Province, and Endorsements
Date 07/30/03

ENCLOSURE 2

**HOPE CREEK GENERATING STATION UNIT 1
INSERVICE INSPECTION
SUMMARY FOR THE
SECOND INTERVAL, SECOND PERIOD, SECOND OUTAGE
SECTION XI SUMMARY
OF
EXAMINATIONS AND TESTS**

HOPE CREEK, UNIT 1
INSERVICE INSPECTION FINAL SUMMARY REPORT
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE

REFUELING OUTAGE 11
SPRING 2003

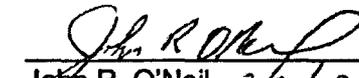
VOLUMES 1 THRU 5
FINAL REPORT
WITH APPENDICES

Spring 2003

Prepared by:


Peter D. Durant
ISI Program Manager

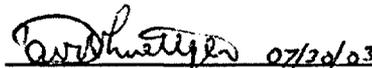
Reviewed by:


John R. O'Neil 7/21/03
ISI Program Administrator

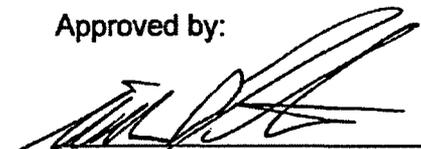
Reviewed by:


Wayne Denlinger or Tony Oliveri
ISI NDE Specialist

Reviewed by:


David Luetgen (ANII) 07/29/03
HSB-CT Insurance Co.

Approved by:


William P. Treston
ISI/IST Supervisor

Copies to: DDG (1 COPY, transmitted under W.O.# 50045211)
ISI (1 COPY, Original)

**HOPE CREEK GENERATING STATION, UNIT 1
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE
SPRING 2003, REFUELING OUTAGE 11
INSERVICE INSPECTION FINAL SUMMARY REPORT**

I. SUMMARY REPORT

During the Spring 2003 refueling outage, PSEG, MQS and FTI personnel performed nondestructive examinations (NDE) of selected Class 1, Class 2, Class 3 and Class MC components of the Hope Creek Generating Station, Unit 1. These examinations constituted the Eleventh (2nd Period, 2nd Outage) inservice inspection of the Second Ten Year Inspection Interval, of commercial operation.

Also during this outage AEA Technology performed the Mechanical Stress Improvement Process (MSIP) of the N1 A&B Nozzle to Safe-Ends

This report is presented in five volumes as follows:

- Volume 1 - Summary Report with Appendices A through L
- Volume 2 - Appendix M (VT-1 & VT-3 Visual Examination Field Data Records)
- Appendix N (VT-2 Visual Examination Field Data Records)
- Appendix O (VT-G Visual Examination Field Data Records)
- Appendix P (NDE Reports For Exams Performed By MQS)
- Volume 3 - Framatome Section XI ISI Final Report
- Volume 4 - Framatome IVVI Report
- Volume 5 - AEA Technology N-1 A&B MSIP Final Report

A. Applicable Documents

The ISI was conducted in accordance with the following documents:

- Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code, "Rules for Inservice Inspection of Nuclear Power Plant Components", 1989 Edition no Addenda and 1998 Edition, 1998 Addenda for IWE.
- 10-Year Inservice Inspection Program for Hope Creek Nuclear Generating Station Unit No. 1 (second interval), Initial Issue.
- PSEG's Hope Creek Nuclear Power Station Unit 1, ISI Outage Exam Plan (Rev. 1), Second Interval, Second Period, Second Outage.

**HOPE CREEK GENERATING STATION, UNIT 1
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE
SPRING 2003, REFUELING OUTAGE 11
INSERVICE INSPECTION FINAL SUMMARY REPORT**

A. Applicable Documents (cont'd)

- ASME Section XI, Appendix VIII examinations were performed in accordance with ASME Section XI, Div. 1, 1995 Edition, 1996 Addenda Appendix VIII, as amended by the Federal Register Notice 64FR51370 through 64FR51400 dated September 22, 1999.

B. ISI Examinations Performed by Framatome

Framatome (FTI) under the direction of the PSEG ISI Group, conducted thirty (30) manual ultrasonic, two (2) mechanized ultrasonic, one (1) liquid penetrant, sixteen (16) magnetic particle examinations and one hundred eighty seven (187) Reactor In Vessel Visual Inspection (IVVI) examinations.

During course of these IVVI examinations there were four (4) discrepant conditions noted as follows:

- a. A crack like indication was identified on the steam dryer mid support ring at 205 deg (Sum# 502010). The indication was previously measured to be approximately 2.25" in length. This examination was a re-look of an indication that was identified during a previous outage (Ref. AR# 990301206). Additional growth to approximately 2.87 was observed (Ref. Notification # 20141548) (PSEG Disposition: Acceptable-as-is).
- b. During the examination of shroud head bolts (Sum# 501700) and lug sets on #1 through #48, Bolts #37 & #38 were found with upper springs compressed and Bolt #39 was found installed 180 degrees out (Ref. AR# 990225202). (PSEG Disposition: Use-as-is).
- c. (Sum# 501602) A Lifting Lug Strap to Dryer bank at 220 degrees was found broken Lose. Evaluated Under Notification# 20142652 (PSEG Disposition: Use-As-Is)
- d. (Sum# 501830) Exam noted a piece of wire at the bottom of Guide tube 38-19. Wire was removed and documented on Notification# 20141999.

There were no other unacceptable indications identified.

**HOPE CREEK GENERATING STATION, UNIT 1
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE
SPRING 2003, REFUELING OUTAGE 11
INSERVICE INSPECTION FINAL SUMMARY REPORT**

B. ISI Examinations Performed by Framatome (cont'd)

Examinations were conducted on the following systems:

Class 1

Vessels

- Reactor Pressure Vessel (RPV)

Piping

- Main Steam and Drains
- Nuclear Boiler and Recirculation
- Reactor Core Isolation Cooling Steam
- Reactor Recirculation
- Residual Heat Removal

Class 2

Piping

- Residual Heat Removal
- Feedwater
- Main Steam
- Reactor Core Isolation Cooling Steam
- Residual Heat Removal

C. Visual Examinations on Valves

There were no Visual Internal Valve Exams performed by PSEG's ISI Group this outage.

D. Visual Examination of Component Supports

There were no Visual Component Support Exams performed by PSEG's ISI Group this outage.

**HOPE CREEK GENERATING STATION, UNIT 1
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE
SPRING 2003, REFUELING OUTAGE 11
INSERVICE INSPECTION FINAL SUMMARY REPORT**

E. System Leakage Examinations

PSEG's ISI Group conducted thirty-two (32) system pressure tests on Nuclear Class 1, 2 and 3, in accordance with ASME Section XI. No pressure boundary leakage was detected. Work requests were initiated to correct minor mechanical leakage not repaired during the system walkdown.

A System Leakage exam was performed in accordance with ASME Section XI on all Class 1 Systems.

A system leakage test was performed with the Reactor Coolant System in Mode 3 (at a pressure of 1010 psig) with the insulation installed. No pressure boundary leakage was detected. Work requests were initiated to correct minor mechanical leakage that was not corrected during the system walkdown.

Class 2 and 3 System Pressure Tests were conducted on the following systems:

- Service Water Screens & Backwash (EP)
- Reactor Water Cleanup (BG)
- Residual Heat Removal (RHR)
- Main steam (AB)
- Core Spray (BE)
- Service Water (EA)
- Fuel Pool Cooling & Clean-up (EC)
- Nuclear Boiler & Reactor Recirculation (BB)
- Auxiliary Building Chilled Water - Control Room (GJ)
- Containment Atmosphere Control (GS)
- Diesel Fuel Oil Storage & Transfer (JE)
- Emergency Diesel Generators (KJ)
- Containment Instrument Gas (KL)
- Process Sampling (RC)
- Control Rod Drive – Hydraulic (BF)
- Feedwater (AE)
- Chilled Water (GB)
- High Pressure Coolant Injection (BJ)
- Reactor Auxiliaries Cooling (ED)

**HOPE CREEK GENERATING STATION, UNIT 1
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE
SPRING 2003, REFUELING OUTAGE 11
INSERVICE INSPECTION FINAL SUMMARY REPORT**

**F. Suppression Chamber Visual Examination per Technical Specification
4.6.2.1(d)**

PSEG's ISI group conducted a visual examination of the Suppression Chamber (Torus) on accessible external surfaces and components

There were no unacceptable indications identified.

G. Augmented Volumetric Examinations per Branch Technical Position MEB 3-1

There were no Volumetric MEB 3-1 Exams performed by PSEG's ISI Group this outage.

H. Augmented Volumetric Examinations per NRC Generic Letter 88-01

Three (3) welds were volumetrically examined, to comply with the augmented requirements of NRC Generic Letter 88-01, "Intergranular Stress Corrosion Cracking (IGSCC) Problems in BWR Austenitic Stainless Steel Piping," and ASME Section XI.

The UT was performed by FTI with no unacceptable indications identified.

**HOPE CREEK GENERATING STATION, UNIT 1
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE
SPRING 2003, REFUELING OUTAGE 11
INSERVICE INSPECTION FINAL SUMMARY REPORT**

I. Preservice Examinations

The following Class 1 bolting materials were replaced:

Sum#	Component I.D.	Component Description	Order#
150130	1-SN-PSV-F013A-FB	Inlet Flange Bolting	60024900
150170	1-SN-PSV-F013B-FB	Inlet Flange Bolting	60024901
150210	1-SN-PSV-F013C-FB	Inlet Flange Bolting	60024902
150250	1-SN-PSV-F013D-FB	Inlet Flange Bolting	60024946
150290	1-SN-PSV-F013E-FB	Inlet Flange Bolting	60024903
150330	1-AB-PSV-F013F-FB	Inlet Flange Bolting	60024904
150370	1-AB-PSV-F013G-FB	Inlet Flange Bolting	60024905
150410	1-AB-PSV-F013H-FB	Inlet Flange Bolting	60024906
150450	1-AB-PSV-F013J-FB	Inlet Flange Bolting	60024907
150490	1-AB-PSV-F013K-FB	Inlet Flange Bolting	60024908
150530	1-AB-PSV-F013L-FB	Inlet Flange Bolting	60024909
150570	1-AB-PSV-F013M-FB	Inlet Flange Bolting	60024910
150810	1-AB-PSV-F013P-FB	Inlet Flange Bolting	60024947
150850	1-AB-PSV-F013R-FB	Inlet Flange Bolting	60024911
151190	1-BB-OS-201-CRD-CS1	CRD Ring Flange to RPV Cap Screws	50045211
151200	1-BB-OS-201-CRD-CS2	CRD Ring Flange Mounting Cap Screws	60030591
151980	1-BC-003-FLG-1-FB	6x900# Flange to N6A Nozzle	60031826

PSEG and the NDE vendor (MQS) performed the VT-1 (PSI) with no unacceptable indications identified.

**HOPE CREEK GENERATING STATION, UNIT 1
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE
SPRING 2003, REFUELING OUTAGE 11
INSERVICE INSPECTION FINAL SUMMARY REPORT**

J. Erosion / Corrosion UT Thickness Program

In response to NRC Bulletin 87-01 and Engineering Directive MEC-94-1071, one hundred sixteen (116) components were selected for UT thickness examinations from fourteen (14) systems. A breakdown is as follows:

Feedwater (17)	Heater Drains (14)	Plant Heating Water (11)
Main Steam (12)	Reactor Water Cleanup (12)	Gaseous Radwaste Off Gas (1)
Condensate (4)	Cross Around piping (5)	HPCI Drain Lines (3)
Extraction Steam (18)	RCIC Drain Lines (1)	Moisture Separator Drains (2)
Seal Steam (16)	Liquid Radwaste (0)	

There were twenty (20) additional components inspected as part of an expanded scope as follows:

Main Steam (4)	Heater Drains (7)
Seal Steam (3)	Reactor Water Clean-up (4)
Plant Heating Water (2)	

No components required replacement.

K. Technical Specification 4.7.5 (e) Functional Testing of Selected Hydraulic and Compensating Struts

Hydraulic snubbers were tested using a 37% sample of the total number of installed hydraulic snubbers. PSEG tested thirty-seven (37) Lisega hydraulic snubbers using the Wyle Laboratories model 150 snubber test machine. No deficiencies were noted while testing hydraulic snubbers.

Compensating struts (PSB-.05 and .12) were tested using the Technical Specification 4.7.5(e), 10% sample plan. PSEG tested one (1) Compensating Strut, on the Wyle Laboratories, Model 150 - snubber test machine. No deficiencies were noted while testing the compensating struts.

**HOPE CREEK GENERATING STATION, UNIT 1
2nd INTERVAL / 2nd PERIOD / 2nd OUTAGE
SPRING 2003, REFUELING OUTAGE 11
INSERVICE INSPECTION FINAL SUMMARY REPORT**

L. ISI Section XI Visual Examination for Containment Integrity.

PSEG's ISI Group conducted 281 IWE (Class MC) Visual Examinations as required Through 10 CFR 50.55A Rule Making, and NRC Secy.-96-080 using the 1998 Edition, 1998 Addenda of ASME Section XI.

There were no unacceptable indications identified.

ENCLOSURE 3

**HOPE CREEK GENERATING STATION UNIT 1
INSERVICE INSPECTION
EXAMINATION RESULTS**

PSEG NUCLEAR

ISI

Hope Creek Nuclear Generating Station

Unit # 1

RFO# 11 Examination Results

Second Interval, Second Period, Second Outage

Spring 2003

Revision 0

Prepared By: *Pete Duncanson* Date: 6-12-2003

Peer Review: *Jul K O'Neil* Date: 7/21/03

ANII Review: *Lawrence H. Smith* Date: 07/30/03

**PSEG NUCLEAR LLC
HOPE CREEK RFO# 11
ISI EXAMINATION WORK SCOPE
RESULTS FILE**

6/12/03

Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
100145	RPV1-W20	HEAD TO FLANGE	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
100145	RPV1-W20	HEAD TO FLANGE	54-ISI-130-38 Rev 38	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100165	RPV1-W24C	MERIDIONAL WELD	54-ISI-805-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100170	RPV1-W24D	MERIDIONAL WELD	54-ISI-805-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100175	RPV1-W24E	MERIDIONAL WELD	54-ISI-805-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100190	RPV1-N1B	NOZZLE TO SHELL 28- LOOP A RECIRC OUTLET	54-ISI-850-03 Rev 3	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100245	RPV1-N3A	NOZZLE TO SHELL MAIN STEAM OUTLET	54-ISI-805-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100250	RPV1-N3B	NOZZLE TO SHELL MAIN STEAM OUTLET	54-ISI-850-03 Rev 3	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100255	RPV1-N3C	NOZZLE TO SHELL MAIN STEAM OUTLET	54-ISI-805-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100260	RPV1-N3D	NOZZLE TO SHELL MAIN STEAM OUTLET	54-ISI-850-03 Rev 3	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100402	RPV1-N17C	NOZZLE TO SHELL AT 225 DEG	54-ISI-805-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100409	RPV1-N1BIR	INSIDE RADIUS SECTION	54-ISI-850-03 Rev 3	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100460	RPV1-N3AIR	INSIDE RADIUS SECTION	54-ISI-850-03 Rev 3	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100465	RPV1-N3BIR	INSIDE RADIUS SECTION	54-ISI-850-03 Rev 3	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100470	RPV1-N3CIR	INSIDE RADIUS SECTION	54-ISI-850-03 Rev 3	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100475	RPV1-N3DIR	INSIDE RADIUS SECTION	54-ISI-850-03 Rev 3	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100635	RPV1-N1ASE	RECIRC OUTLET AT 0 DEG	54-ISI-834-02 Rev 2	UT	M-UT	Accept	NDE Examination performed by Framatome under W/O# 50045211

**PSEG NUCLEAR LLC
HOPE CREEK RFO# 11
ISI EXAMINATION WORK SCOPE
RESULTS FILE**

6/12/03

Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
100640	RPV1-N1BSE	RECIRC OUTLET AT 180 DEG	54-ISI-834-02 Rev 2	UT	M-UT	Accept	NDE Examination performed by Framatome under W/O# 50045211
100695	RPV1-N3ASE	NOZZLE TO SAFE-END	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
100695	RPV1-N3ASE	NOZZLE TO SAFE-END	54-ISI-835-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100700	RPV1-N3BSE	NOZZLE TO SAFE-END	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
100700	RPV1-N3BSE	NOZZLE TO SAFE-END	54-ISI-835-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100705	RPV1-N3CSE	NOZZLE TO SAFE-END	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
100705	RPV1-N3CSE	NOZZLE TO SAFE-END	54-ISI-835-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100710	RPV1-N3DSE	NOZZLE TO SAFE-END	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
100710	RPV1-N3DSE	NOZZLE TO SAFE-END	54-ISI-835-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100750	RPV1-N5BSE(OVERLAY)	CORE SPRAY INLET AT 240 DEG	54-ISI-240-40 Rev 40	PT	PT	Accept	NDE Examination performed by Framatome under W/O# 50045211
100750	RPV1-N5BSE(OVERLAY)	CORE SPRAY INLET AT 240 DEG	54-ISI-838-02 Rev 2	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
100889	RPV1-WSB(1-8)	STABILIZER BRACKETS	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
101700	1-AB-26DLA-030-1	SAFE END TO PIPE	54-ISI-835-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
101700	1-AB-26DLA-030-1	SAFE END TO PIPE	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
102015	1-AB-26DLA-031-1	SAFE END TO PIPE	54-ISI-835-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
102015	1-AB-26DLA-031-1	SAFE END TO PIPE	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
102418	1-AB-26DLA-032-1	SAFE END TO PIPE	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211

**PSEG NUCLEAR LLC
HOPE CREEK RFO# 11
ISI EXAMINATION WORK SCOPE
RESULTS FILE**

6/12/03

Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
102418	1-AB-26DLA-032-1	SAFE END TO PIPE	54-ISI-835-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
105521	1-BB-1CCA-225-1	INSTRUMENT LINE TO NOZZLE	SH.RA-IS.ZZ-0204 (Q) Rev 9	PT	PT	Accept	PT Examination performed by MQS under W/O# 50045211
105521	1-BB-1CCA-225-1	INSTRUMENT LINE TO NOZZLE	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	Visual Examination performed under W/O# 50045211
105522	1-BB-1CCA-223-1	INSTRUMENT LINE TO NOZZLE	SH.RA-IS.ZZ-0204 (Q) Rev 9	PT	PT	Accept	PT Examination performed by MQS under W/O# 50045211
105522	1-BB-1CCA-223-1	INSTRUMENT LINE TO NOZZLE	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	Visual Examination performed under W/O# 50045211
105731	1-BB-1CCA-218-1	INSTRUMENT LINE TO NOZZLE	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	Visual Examination performed under W/O# 50045211
105731	1-BB-1CCA-218-1	INSTRUMENT LINE TO NOZZLE	SH.RA-IS.ZZ-0204 (Q) Rev 9	PT	PT	Accept	PT Examination performed by MQS under W/O# 50045211
105732	1-BB-1CCA-220-1	INSTRUMENT LINE TO NOZZLE	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	Visual Examination performed under W/O# 50045211
105732	1-BB-1CCA-220-1	INSTRUMENT LINE TO NOZZLE	SH.RA-IS.ZZ-0204 (Q) Rev 9	PT	PT	Accept	PT Examination performed by MQS under W/O# 50045211
107660	1-BB-2DBA-230-1	NOZZLE TO REDUCER	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
107670	1-BB-2DBA-044-1	NOZZLE TO REDUCER	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
107680	1-BB-2DBA-231-1	NOZZLE TO REDUCER	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
107740	1-BB-2DBA-064-1	NOZZLE TO REDUCER	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
107760	1-BB-2DBA-066-1	NOZZLE TO REDUCER	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
107770	1-BB-2DBA-237-1	NOZZLE TO REDUCER	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
108418	1-BC-12DLA-015-17	ELBOW TO PIPE	54-ISI-270-41 Rev 41	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
108418	1-BC-12DLA-015-17	ELBOW TO PIPE	54-ISI-835-04 Rev 4	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211

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150130	1-SN-PSV-FO13A-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024900 Examined 12 new studs and 24 nuts
150170	1-SN-PSV-FO13B-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024901 Examined 12 new studs and 24 nuts
150210	1-SN-PSV-FO13C-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024902 Examined 12 new studs and 24 nuts
150250	1-SN-PSV-FO13D-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024946 Examined 12 new studs and 24 nuts
150290	1-SN-PSV-FO13E-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024903 Examined 12 new studs and 24 nuts
150330	1-AB-PSV-FO13F-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024904 Examined 12 new studs and 24 nuts
150370	1-AB-PSV-FO13G-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024905 Examined 12 new studs and 24 nuts
150410	1-AB-PSV-FO13H-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024906 Examined 12 new studs and 24 nuts
150450	1-AB-PSV-FO13J-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024907 Examined 12 new studs and 24 nuts
150490	1-AB-PSV-FO13K-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024908 Examined 12 new studs and 24 nuts
150530	1-AB-PSV-FO13L-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024909 Examined 12 new studs and 24 nuts
150570	1-AB-PSV-FO13M-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024910 Examined 12 new studs and 24 nuts
150810	1-AB-PSV-FO13P-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024947 Examined 12 new studs and 24 nuts
150850	1-AB-PSV-FO13R-FB	INLET FLANGE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Preservice VT-1 exam performed under W/O# 60024911 Examined 12 new studs and 24 nuts
151190	1-BB-OS-201-CRD-CS1	CRD RING FLANGE TO RPV CAP SCREWS	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	VT-1 ISI Section XI Exam performed under W/O# 50045211
151190	1-BB-OS-201-CRD-CS1	CRD RING FLANGE TO RPV CAP SCREWS	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	VT-1 Per-Service Exam was performed under W/O# 60030591. Preservice VT-1 exam was performed on 144 new bolts Batch# C569 Heat# 69161 and Batch# C665 Heat# 14761 and 144 new washers.

<p style="text-align: center;">PSEG NUCLEAR LLC HOPE CREEK RFO# 11 ISI EXAMINATION WORK SCOPE RESULTS FILE</p>							
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151200	1-BB-OS-201-CRD-CS2	CRD RING FLANGE MTG. CAP SCREWS	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	VT-1 Inservice Exam was performed under W/O# 60030591. VT-1 exam performed on 6 bolts each on CRD#'s 9328, - 9150, - 9383, - 8632, - A9039, - 7680, - 8169, - 8488, - 7606B, - A1010, - and 9205
151200	1-BB-OS-201-CRD-CS2	CRD RING FLANGE MTG. CAP SCREWS	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	VT-1 Pre-Service Exam was performed under W/O# 60031826. VT-1 exam performed on 6 bolts each on CRD#'s 7618, - 9469, - 7815, - 8585, - 9207, and 9474
151980	1-BC-003-FLG-1-FB	6X900# FLANGE TO N6A NOZZLE	SH.RA-IS.ZZ-0116 (Q) Rev. 9	Visual	VT-1	Accept	Pre-service visual examination performed under W/O# 50045211
200060	1-AE-205-RHX-W2	SHELL TO SHELL	54-ISI-136-01 Rev 1	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
200080	1-AE-205-RHX-W4	SHELL TO FLANGE	54-ISI-136-01 Rev 1	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
200090	1-AE-205-RHX-W5	NOZZLE TO HEAD	54-ISI-136-01 Rev 1	MT	MT	Accept	NDE Examination performed by Framatome under W/O# 50045211
200090	1-AE-205-RHX-W5	NOZZLE TO HEAD	54-ISI-136-01 Rev 1	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211
400000	SPT-AB-001	M.S. PIPING FROM DRYWELL TO MAIN STOP - BYPASS VLV	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 Exam performed under W/O# 50045211
400100	SPT-AB-002	M.S. DRN TO COND. BET. VLV BC-V040/V001/V017/V002	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
400200	SPT-AE-001	(AE) FEEDWATER	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
400300	SPT-AP-001	(AP) CONDENSATE STORAGE & TRANSFER	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
400900	SPT-BC-005	(BC) RESIDUAL HEAT REMOVAL	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211 Valve EGV667 leaking 13 dpm updated notification# 60023094. This valve is not in this exam boundry.
401600	SPT-BE-003	(BE) CORE SPRAY	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211

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401800	SPT-BH-001	(BH) STANDBY LIQUID CONTROL	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
402000	SPT-BH-003	(BH) STANDBY LIQUID CONTROL	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
402100	SPT-BJ-001	(BJ) HIGH PRESSURE COOLANT INJECTION	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211 Previous notification# 20113511 reports 500 cc/min shaft seal leak from BJ-OP-217 Exam shows no change in leak.
403000	SPT-EC-003	(EC) FUEL POOL CLG & CLEANUP	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
403500	SPT-EC-008	(EC) FUEL POOL CLG & CLEANUP	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
403600	SPT-ED-001	(ED) REACTOR AUXILIARIES COOLING	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
403800	SPT-EG-001	(EG) SAFETY & TURBINE AUXILIARIES CLG	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
403900	SPT-EG-002	(EG) SAFETY & TURBINE AUXILIARIES CLG	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
404500	SPT-FD-001	(FD) HPCI TURBINE STEAM	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211 VT-2 exam noted the following leaks valve FD V021 <1 cc/min notification# 20134886 was generated. FD PI 4898 <1 cc/min notification# 20134887 was generated. end cap at valves FO23 & FO24 leaking 7 dpm notification
404800	SPT-GJ-001	(GJ) AUX. BLDG. CHILLED WTR. CONTROL RM.	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
404900	SPT-GJ-002	(GJ) AUX. BLDG. CHILLED WTR. CONTROL RM.	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
405000	SPT-GJ-003	(GJ) AUX. BLDG. CHILLED WTR. CONTROL RM.	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
405300	SPT-GS-001	(GS) CONTAINMENT ATMOSPHERE CONTROL	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
405800	SPT-GS-006	(GS) CONTAINMENT ATMOSPHERE CONTROL	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211

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407000	SPT-KG-001	(KG) BREATHING AIR	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
407100	SPT-KJ-001	(KJ) EMERG. DIESEL GENERATORS	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
407500	SPT-KL-001	(KL) CONTAINMENT INSTRUMENT GAS	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
407600	SPT-KL-002	(KL) CONTAINMENT INSTRUMENT GAS	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
407800	SPT-RC-002	(RC) PROCESS SAMPLING	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
407900	SPT-RC-003	(RC) PROCESS SAMPLING	HC.RA-IS.ZZ-0007 (Q) Rev 5	Visual	VT-2	Accept	VT-2 performed under W/O# 50021802 Part one of the test preformed 07/30/2001 and the second part preformed 01/14/2002
408200	SPT-BF-001	(BF) CONTROL ROD DRIVE - HYRAULIC	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211 Notif. 20139838 & 20139839 generated.
408300	SPT-KA-001	(KA) SERVICE COMPRESSED AIR	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
408400	SPT-BG-002	(BG) REACTOR WATER CLEANUP	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
408500	SPT-SE-001	(SE) NEUTRON MONITORING (NIS, TIP)	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 Exam performed under W/O# 50045211
408600	SPT-SB-001	(SB) REACTOR PROTECTION SYSTEM	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
410000	SPT-ZZ-001	All Class 1 Systems	SH.RA-IS.ZZ-0005 (Q) Rev 1	Visual	VT-2	Accept	VT-2 exam performed under W/O# 50045211
500010	IVVI-001	VESSEL TO SHROUD ANNULUS SURFACES	54-ISI-363-02 Rev. 2	Visual	VT-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500025	IVVI-002A	ACCESS HOLE COVER AND WELD (0 DEG.)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500035	IVVI-003A	ACCESS HOLE COVER AND WELD (180 DEG.)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500051	IVVI-005A-VIP	SHROUD BAFFLE PLATE TO SUPPORT CYL (H-8)	54-ISI-166-00 Rev. 0	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211.
500061	IVVI-006A-VIP	SHROUD BAFFLE PLATE TO RPV WELD (H-9)	54-ISI-166-00 Rev. 0	UT	Manual	Accept	NDE Examination performed by Framatome under W/O# 50045211.

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
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500087	IVVI-008G-VIP (WD-1)	JET PMP #1 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	Shroud side inside tack cracked, set screw has not backed out. This condition was previously identified and evaluated under AR951211183. If wedge shows signs of movement examine set screws and tacks.
500127	IVVI-012G-VIP (WD-1)	JET PMP #2 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tack welds.
500177	IVVI-017G-VIP (WD-1)	JET PMP #3 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tack welds
500217	IVVI-021G-VIP (WD-1)	JET PMP #4 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	Shroud side inside tack cracked, set screw has not backed out. This condition was previously identified and evaluated under AR951211183. If wedge shows signs of movement examine set screws and tacks
500267	IVVI-026G-VIP (WD-1)	JET PMP #5 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tacks
500307	IVVI-030G-VIP (WD-1)	JET PMP #6 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws ans tack welds.
500357	IVVI-035G-VIP (WD-1)	JET PMP #7 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws ans tack welds.
500397	IVVI-039G-VIP (WD-1)	JET PMP #8 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws ans tack welds.
500447	IVVI-044G-VIP (WD-1)	JET PMP #9 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	Previous data shows shroud set screw inside tack weld cracked. Repaired of tack weld made in place. If wedge shows signs of movement examine set screws ans tack welds.
500487	IVVI-048G-VIP (WD-1)	JET PMP #10 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws ans tack welds.
500531	IVVI-053A-VIP (IN4)	JET PMP #11 INLET MIXER CONNECTION (IN4)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500532	IVVI-053B-VIP (MX2)	JET PMP #11 BARREL TO ADAPTER WELD (MX2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500533	IVVI-053C-VIP (DF1)	JET PMP #11 DIFFUSER COLLAR TO DIFFUSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500534	IVVI-053D-VIP (DF2)	JET PMP #11 DIFFUSER COLLAR TO DIFFUSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.

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500535	IVVI-053E-VIP (AD1)	JET PMP #11 ADAPTER TOP TO ADAPTER BOTTO	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500536	IVVI-053F-VIP (AD2)	JET PMP #11 ADAPTER BOTTOM TO SHROUD SUPP	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500537	IVVI-053G-VIP (WD-1)	JET PMP #11 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	Previous data shows shroud set screw inside tack weld cracked. Repaired of tack weld made in place. If wedge shows signs of movement examine set screws ans tack welds.
500550	IVVI-055	JET PMP 11 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500571	IVVI-057A-VIP (IN4)	JET PMP #12 INLET MIXER CONNECTION. (IN	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500572	IVVI-057B-VIP (MX2)	JET PMP #12 BARREL TO ADAPTER WELD (MX2	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500573	IVVI-057C-VIP (DF1)	JET PMP #12 DIFUSSER COLLAR TO DIFFUSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500574	IVVI-057D-VIP (DF2)	JET PMP #12 DIFFUSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500575	IVVI-057E-VIP (AD1)	JET PMP #12 ADAPTER TOP TO ADAPTER BOTTO	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500576	IVVI-057F-VIP (AD2)	JET PMP #12 ADAPTER BOTTOM TO SHROUD SUP	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500577	IVVI-057G-VIP (WD-1)	JET PMP #12 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tack welds.
500590	IVVI-059	JET PMP 12 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500606	IVVI-060B-VIP (RS6/RS7)	JET PMP 11 & 12 RISER PIPE TO RESTRAINER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 70% of required coverage due to component geometry and bottom side of bracket inaccessible for cleaning.
500621	IVVI-062A-VIP (IN4)	JET PMP #13 INLET MIXER CONNECTION (IN4	54-ISI-363-02 Rev. 2	Visual	EVT 1	Accept	Exam limited to 40% of required coverage due to component geometry.
500622	IVVI-062B-VIP (MX2)	JET PMP #13 BARREL TO ADAPTER WELD (MX2	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500623	IVVI-062C-VIP (DF1)	JET PMP #13 DIFUSSER COLLAE TO DIFUSSER	54-ISI-363-02 Rev.2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.

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500624	IVVI-062D-VIP (DF2)	JET PMP #13 DIFUSSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500625	IVVI-062E-VIP (AD1)	JET PMP #13 ADAPTER TOP TO ADAPTER BOTTO	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500626	IVVI-062F-VIP (AD2)	JET PMP #13 ADAPTER BOTTOM TO SHROUD SUP	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500627	IVVI-062G-VIP (WD-1)	JET PMP #13 WEDGE BEARING SURFACES	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tack welds.
500640	IVVI-064	JET PMP 13 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500661	IVVI-066A-VIP (IN4)	JET PMP #14 INLET MIXER CONNECTION (IN4)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500662	IVVI-066B-VIP (MX2)	JET PMP #14 BARREL TO ADAPTER WELD (MX2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500663	IVVI-066C-VIP (DF1)	JET PMP #14 DIFUSSER COLLAR TO DIFFUSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500664	IVVI-066D-VIP (DF2)	JET PMP #14 DIFUSSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500665	IVVI-066E-VIP (AD1)	JET PMP #14 ADAPTER TOP TO ADAPTER BOTTO	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500666	IVVI-066F-VIP (AD2)	JET PMP #14 ADAPTER BOTTOM TO SHROUD PLA	54-ISI-363-02 Rev. 2	Visual	EVT 1	Accept	Exam limited to 40% of required coverage due to component geometry.
500667	IVVI-066G-VIP (WD-1)	JET PMP #14 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tack welds.
500680	IVVI-068	JET PMP 14 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500696	IVVI-069B-VIP (RS6/RS7)	JET PMP 13 & 14 RISER PIPE TO RESTRAINER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 90% of required coverage due to component geometry bottom side of bracket inaccessible for cleaning..
500711	IVVI-071A-VIP (IN4)	JET PMP #15 INLET MIXER CONNECTION (IN4)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500712	IVVI-071B-VIP (MX2)	JET PMP #15 INLET BARREL TO ADAPTER WELD	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500713	IVVI-071C-VIP (DF1)	JET PMP #15 DIFUSSER COLLAR TO DIFUSSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
500714	IVVI-071D-VIP (DF2)	JET PMP #15 DIFUSSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500715	IVVI-071E-VIP (AD1)	JET PMP #15 ADAPTER TOP TO ADAPTER BOTTO	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500716	IVVI-071F-VIP (AD2)	JET PMP #15 ADAPTER BOTTOM TO SHROUD SUP	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500717	IVVI-071G-VIP (WD-1)	JET PMP #15 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tack welds.
500730	IVVI-073	JET PMP 15 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Previous identified cracking on lower stand off bracket weld and repair clamp in place reference AR971018102.
500751	IVVI-075A-VIP (IN4)	JET PMP #16 INLET MIXER CONNECTION (IN4)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500752	IVVI-075B-VIP (MX2)	JET PMP #16 BARREL TO ADAPTER WELD (MX2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500753	IVVI-075C-VIP (DF1)	JET PMP #16 DIFUSSER COLLAR TO DIFFUSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500754	IVVI-075D-VIP (DF2)	JET PMP #16 DIFUSSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500755	IVVI-075E-VIP (AD1)	JET PMP #16 ADAPTER TOP TO ADAPTER BOTTO	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500756	IVVI-075F-VIP (AD2)	JET PMP #16 ADAPTER BOTTOM TO SHROUD SUP	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500757	IVVI-075G-VIP (WD-1)	JET PMP #16 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	IF wedge shows signs of movement examine set screws and tack welds.
500770	IVVI-077	JET PMP 16 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500786	IVVI-078B-VIP (RS6/RS7)	JET PMP 15 & 16 RISER PIPE TO RESTRAINER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 70% of required coverage due to component geometry bottom side of bracket inaccessible for cleaning.
500801	IVVI-080A-VIP (IN4)	JET PMP #17 INLET MIXER CONNECTION (IN	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500802	IVVI-080B-VIP (MX2)	JET PMP #17 BARREL TO ADAPTER WELD (MX2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.

PSEG NUCLEAR LLC HOPE CREEK RFO# 11 ISI EXAMINATION WORK SCOPE RESULTS FILE							
Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
500803	IVVI-080C-VIP (DF1)	JET PMP #17 DIFUSSER COLLAR TO DIFFUSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500804	IVVI-080D-VIP (DF2)	JET PMP #17 DIFUSSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500805	IVVI-080E-VIP (AD1)	JET PMP #17 ADAPTER TOP TO ADAPTER BOTTO	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500806	IVVI-080F-VIP (AD2)	JET PMP #17 ADAPTER BOTTOM TO SHROUD SUP	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500807	IVVI-080G-VIP (WD-1)	JET PMP #17 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	Pervious data noted Crack like indication and was evaluated under AR971025088. It was not observed during this examination. No bolt rotation noted. If wedge shows signs of movement examine set screws and tack welds.
500820	IVVI-082	JET PMP 17 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev.2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500841	IVVI-084A-VIP (IN4)	JET PMP #18 INLET MIXER CONNECTION (I	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500842	IVVI-084B-VIP (MX2)	JET PMP #18 BARREL TO ADAPTER WELD	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500843	IVVI-084C-VIP (DF1)	JET PMP #18 DIFUSSER COLLAR TO DIFUSSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500844	IVVI-084D-VIP (DF2)	JET PMP #18 DIFUSSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500845	IVVI-084E-VIP (AD1)	JET PMP #18 ADAPTER TOP ADAPTER BOTT	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500846	IVVI-084F-VIP (AD2)	JET PMP #18 ADAPTER BOTTOM TO SHROUD SUP	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500847	IVVI-084G-VIP (WD-1)	JET PMP #18 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tack welds.
500860	IVVI-086	JET PMP 18 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500876	IVVI-087B-VIP (RS6/RS7)	JET PMP 17 & 18 RISER PIPE TO RESTRAINER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 70% of required coverage due to component geometry bottom side of bracket inaccessible for cleaning.

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
500891	IVVI-089A-VIP (IN4)	JET PUMP 19 INLET MIXER CONNECTION (IN4	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500892	IVVI-089B-VIP (MX2)	JET PUMP 19 BARREL TO ADAPTER WELD (MX2	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500893	IVVI-089C-VIP (DF1)	JET PUMP# 19 DIFUSSER COLLAR TO DIFUSSER	54-ISI-363-02 Rev.2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500894	IVVI-089D-VIP (DF2)	JET PUMP# 19 DIFUSSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500895	IVVI-089E-VIP (AD1)	JET PUMP# 19 ADAPTER TOP TO ADAPTER BOTT	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500896	IVVI-089F-VIP (AD2)	JET PUMP# 19 ADAPTER BOTTOM TO SHROUD SU	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500897	IVVI-089G-VIP (WD-1)	JET PUMP# 19 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	If wedge shows signs of movement examine set screws and tack welds.
500910	IVVI-091	JET PMP 19 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500931	IVVI-093A-VIP (IN4)	JET PMP #20 INLET MIXER CONNECTION	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500932	IVVI-093B-VIP (MX2)	JET PMP #20 BARREL TO ADAPTER WELD	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500933	IVVI-093C-VIP (DF1)	JET PMP #20 DIFUSSER COLLAR TO DIFUSSER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500934	IVVI-093D-VIP (DF2)	JET PMP #20 DIFUSSER SHELL TO TAILPIPE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500935	IVVI-093E-VIP (AD1)	JET PMP #20 ADAPTER TOP TO ADAPTER BOTTO	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500936	IVVI-093F-VIP (AD2)	JET PMP #20 ADAPTER BOTTOM TO SHROUD SUP	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 40% of required coverage due to component geometry.
500937	IVVI-093G-VIP (WD-1)	JET PMP #20 WEDGE BEARING SURFACE	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	Previous data noted hold down beam not fully seated into transition piece reference AR971025105. This exam noted no movement from previous exam. If wedge shows signs of movement examine set screws and tack welds.
500950	IVVI-095	JET PMP 20 INST LINE SUPT BRACKET & WELD	54-ISI-363-02 Rev. 2	Visual	VT 1-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
500966	IVVI-096B-VIP (RS6/RS7)	JET PMP 19 & 20 RISER PIPE TO RESTRAINER	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 70% of required coverage due to component geometry bottom side of bracket inaccessible for cleaning.
500991	IVVI-099A-VIP	LPCI COUPLING LOOP A (N17C) 45-3B	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam area limited to interference with clamp, limited to 80% coverage.
500992	IVVI-099B-VIP	LPCI COUPLING LOOP A (N17C) 45-6	54-ISI-363-02 Rev. 2	Visual	VT-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
500993	IVVI-099C-VIP	LPCI COUPLING LOOP A (N17C) 45-8	54-ISI-363-02 Rev.2	Visual	VT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501001	IVVI-100 A-VIP	LPCI COUPLING LOOP C (N17D) 45-3B	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam area limited due to interference with clamp, coverage limited to 80%
501002	IVVI-100 B-VIP	LPCI COUPLING LOOP C (N17D) 45-6	54-ISI-363-02 Rev. 2	Visual	VT-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501003	IVVI-100C-VIP	LPCI COUPLING LOOP C (N17D) 45-8	54-ISI-363-02 Rev. 2	Visual	VT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501055	IVVI-105A-VIP	N5A CORE SPRAY TEE BOX WELD A-P1	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Inaccessible, examinations limited to adjacent surfaces on the top and bottom of the Tee Box.
501056	IVVI-105B-VIP	N5A CORE SPRAY TEE BOX WELD A-P2	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501057	IVVI-105C-VIP	N5A CORE SPRAY TEE BOX WELD A-P3	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 50% of required coverage due to component geometry.
501062	IVVI-106B-VIP	LEG -A- CORE SPRAY DOWNCOMER WELD A-P5	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.
501063	IVVI-106C-VIP	LEG -A- CORE SPRAY DOWNCOMER WELD A-P6	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.
501064	IVVI-106D-VIP	LEG -A- CORE SPRAY DOWNCOMER WELD A-P7	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 50% of required coverage due to component geometry.
501067	IVVI-106G-VIP	LEG -A- CORE SPRAY DOWNCOMER WELD A-P8A	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501068	IVVI-106H-VIP	LEG -A- CORE SPRAY DOWNCOMER WELD A-P8B	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501075	IVVI-107A-VIP	N5A CORE SPRAY TEE BOX WELD C-P3	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 50% of required coverage due to component geometry.

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501082	IVVI-108B-VIP	LEG -C- CORE SPRAY DOWNCOMER WELD C-P5	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Title 14-160 degree side, Title 15-180 degree side. Exam coverage limited to 60% of required coverage due to component geometry.
501083	IVVI-108C-VIP	LEG -C- CORE SPRAY DOWNCOMER WELD C-P6	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Title 14-160 degree side, Title 15-180 degree side. Exam coverage limited to 60% of required coverage due to component geometry.
501084	IVVI-108D-VIP	LEG -C- CORE SPRAY DOWNCOMER WELD C-P7	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Title 14-160 degree side, Title 15-180 degree side. Exam coverage limited to 60% of required coverage due to component geometry.
501087	IVVI-108G-VIP	LEG -C- CORE SPRAY DOWNCOMER WELD C-P8A	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501088	IVVI-108H-VIP	LEG -C- CORE SPRAY DOWNCOMER WELD C-P8B	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501105	IVVI-110A-VIP	CORE SPRAY PIPING BRACKET 15 DEG.	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Header piping brackets to pad and pad to vessel wall best effort cleaning due to component geometry.
501145	IVVI-114A-VIP	N5B CORE SPRAY TEE BOX WELD B-P1	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Inaccessible, examination limited to adjacent surface on the top and bottom of the Tee Box.
501146	IVVI-114B-VIP	N5B CORE SPRAY TEE BOX WELD B-P2	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501147	IVVI-114C-VIP	N5B CORE SPRAY TEE BOX WELD B-P3	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 50% of required coverage due to component geometry.
501152	IVVI-115B-VIP	LEG -B- CORE SPRAY DOWNCOMER WELD B-P5	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.
501153	IVVI-115C-VIP	LEG -B- CORE SPRAY DOWNCOMER WELD B-P6	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.
501154	IVVI-115D-VIP	LEG -B- CORE SPRAY DOWNCOMER WELD B-P7	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.
501157	IVVI-115G-VIP	LEG -B- CORE SPRAY DOWNCOMER WELD B-P8A	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501158	IVVI-115H-VIP	LEG -B- CORE SPRAY DOWNCOMER WELD B-P8B	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501165	IVVI-116A-VIP	N5B CORE SPRAY TEE BOX WELD D-P3	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.
501172	IVVI-117B-VIP	LEG -D- CORE SPRAY DOWNCOMER WELD D-P5	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.

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501173	IVVI-117C-VIP	LEG -D- CORE SPRAY DOWNCOMER WELD D-P6	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.
501174	IVVI-117D-VIP	LEG -D- CORE SPRAY DOWNCOMER WELD D-P7	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam coverage limited to 60% of required coverage due to component geometry.
501177	IVVI-117G-VIP	LEG -D- CORE SPRAY DOWNCOMER WELD D-P8A	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501178	IVVI-117H-VIP	LEG -D- CORE SPRAY DOWNCOMER WELD D-P8B	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501205	IVVI-120A-VIP	CORE SPRAY PIPING BRACKET 345 DEG.	54-ISI-363-02 Rev.2	Visual	EVT-1	Accept	Header piping bracket to pad and pad to vessel wall best effort cleaning due to component geometry.
501440	IVVI-144	SURVEIL. SPECIMEN HLDR (120 DEG.)	54-ISI-363-02 Rev. 2	Visual	VT-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501601	IVVI-160A	STEAM DRYER COVER PLATES (A & B)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Small piece of debris noted as a brush bristle disintegrated upon retrieval.
501602	IVVI-160B	STEAM DRYER TIE BARS	54-ISI-363-02 Rev. 2	Visual	VT-3	Relevant Indication	Lifting lug strap to dryer bank at 225 degrees is broken lose. Notification# 20142652 was generated.
501700	IVVI-170	SHROUD HEAD BOLTS	54-ISI-363-02 Rev. 2	Visual	VT-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501830	IVVI-183	CONTROL ROD DRIVE ASSEMBLIES	54-ISI-363-02 Rev. 2	Visual	VT-3	Accept	All Guide tube have very small piece of debris (after vaccuming) That breaks up when disturbed and CRB unlatching pin is centered properly. Guide Tube 38-19 exam noted piece of wire was located and removed from bottom of tube. Notification# 20141999 was g
501832	IVVI-183A-VIP	CRD GUIDE TUBE LUG & PIN CRGT-1 ARPIN-1	54-ISI-363-02 Rev. 2	Visual	VT-3	Accept	Visual Exam performed by Framatome under W/O# 50045211.
501834	IVVI-183B-VIP	CRD GUIDE TUBE BODY-TO-SLEEVE (CRGT-2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Examination limited to the accessible interior surfaces of guide tube.
501836	IVVI-183C-VIP	CRD GUIDE TUBE BASE TO BODY (CRGT-3)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Examination limited to the accessible interior surfaces of guide tube.
502010	IVVI-201	STEAM DRYER SUPPORT RING	54-ISI-363-02 Rev. 2	Visual	EVT-1	Relevant Indication	Examined accessible areas of mid- support ring. (1) 3/4" long crack indication bottom of plate weld below seismic dryer support bracket at 5 degrees was previous identified reference notification# 20080894.
502172	IVVI-241-VIP (RS3)	JET PUMP 1 & 2 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required area due to component geometry

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
502177	IVVI-244-VIP (RS3)	JET PUMP 3 & 4 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required coverage due to component geometry.
502182	IVVI-248-VIP (RS3)	JET PUMP 5 & 6 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required area due to component geometry.
502187	IVVI-250-VIP (RS3)	JET PUMP 7 & 8 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required coverage due to component geometry.
502192	IVVI-253-VIP (RS3)	JET PMP 9 & 10 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required coverage due to component geometry.
502196	IVVI-255-VIP (RS2)	JET PUMP 11 & 12 EL RISER (RS2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 60% of required coverage due to component geometry.
502197	IVVI-256-VIP (RS3)	JET PUMP 11&12 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required coverage due to component geometry.
502201	IVVI-258-VIP (RS2)	JET PUMP 13 & 14 EL TO RISER (RS2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 60% of required coverage due to component geometry.
502202	IVVI-259-VIP (RS3)	JET PUMP 13&14 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required coverage due to component geometry.
502206	IVVI-261-VIP (RS2)	JET PUMP 15 & 16 EL TO RISER (RS2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 60% of required coverage due to component geometry.
502207	IVVI-262-VIP (RS3)	JET PUMP 15&16 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required coverage due to component geometry.
502211	IVVI-264-VIP (RS2)	JET PUMP 17 & 18 EL TO RISER (RS2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 60% of required coverage due to component geometry.
502212	IVVI-265-VIP (RS3)	JET PUMP 17&18 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required coverage due to component geometry.
502216	IVVI-267-VIP (RS2)	JET PUMP 19 & 20 EL TO RISER (RS2)	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 60% of required coverage due to component geometry.
502217	IVVI-268-VIP (RS3)	JET PUMP 19&20 RISER TO TRANSITION PIECE	54-ISI-363-02 Rev. 2	Visual	EVT-1	Accept	Exam limited to 50% of required coverage due to component geometry.
700000	SUPPRESSION CHAMBER	SUPPRESSION CHAMBER	SH.RA-IS.ZZ-0004 (Q)	Visual	VT-G	Accept	Visual Examination performed under W/O# 50045211
750000	VSL-HC-SUPRT-0000	TORUS SUPPORT COLUMNS	SH.RA-IS.ZZ-0004 (Q)	Visual	VT-G	Accept	Notification# 20140321 Generated
750200	VSL-HC-SUPRT-0200	TORUS HORIZONTAL SEISMIC RESTRAINT	SH.RA-IS.ZZ-0004 (Q)	Visual	VT-G	Accept	Notification# 20141672 Generated

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751000	VSL-HC-SUPRT-1000	VENT HEADER BRACING & SUPPORTS	SH.RA-IS.ZZ-0004 (Q)	Visual	VT-G	Accept	Visual Examination performed under W/O# 50045211
751800	VSL-HC-SUPRT-1800	PENETRATION P208 STIFFENING SUPPORT	SH.RA-IS.ZZ- 0150 (Q)	Visual	VT-3	Accept	Visual Examination performed under W/O# 50045211
752000	VSL-HC-SUPRT-2000	PENETRATION P212A STIFFENING SUPPORT	SH.RA-IS.ZZ- 0150 (Q)	Visual	VT-3	Accept	Visual Examination performed under W/O# 50045211
752100	VSL-HC-SUPRT-2100	PENETRATION P212B STIFFENING SUPPORT	SH.RA-IS.ZZ- 0150 (Q)	Visual	VT-3	Accept	Visual Examination performed under W/O# 50045211
752400	VSL-HC-SUPRT-2400	PENETRATION J207 SUPPORT	SH.RA-IS.ZZ- 0150 (Q)	Visual	VT-3	Accept	Visual Examination performed under W/O# 50045211
752700	VSL-HC-SUPRT-2700	TORUS - SPRAY HDR SUPPORTS - RING GIRDER	SH.RA-IS.ZZ- 0150 (Q)	Visual	VT-3	Accept	Visual Examination performed under W/O# 50045211
752800	VSL-HC-SUPRT-2800	TORUS HORIZONTAL RESTRAINTS	SH.RA-IS.ZZ- 0150 (Q)	Visual	VT-3	Accept	Visual Examination performed under W/O# 50045211
820000	VSL-HC-DRYWELL INTERNAL SURF.	ACCESS. INTERNAL SURFACES - DRYWELL	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable, notification 20140985 uncoated metal to concrete floor area under fan.
820100	VSL-HC-DRYWELL HEAD INTERNAL	ACCESS. INTERNAL SURFACES - DRYWELL HEAD	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No degradation noted.
820200	VSL-HC-DRYWELL HEAD EXTERNAL	ACCESS. EXTERNAL SURFACES - DRYWELL HEAD	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No degradation noted in coating Notification# 20140476 upset/gouged metal by bolt holes, Notification# 20140478 uncoated fig pitting on reactor side.
820300	BLT-HC-DRYWELL HEAD BOLTING	BOLTING - DRYWELL HEAD	SH.RA-IS.ZZ-0116 (Q)	Visual	VT-1	Accept	Visual Examination performed under W/O# 50045211
820300	BLT-HC-DRYWELL HEAD BOLTING	BOLTING - DRYWELL HEAD	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	180 2-1/2" dia. bolts, disassembled, rejected bolts 10-14-83 and 172 for gouging & thread damage Notification# 20141529 was generated also examined 180 nuts in place no washers.
821000	PEN-HC-W100A	ACCESSIBLE SURFACE AREAS- PEN-W100A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible uncoated area some light rust, no noted degradation.
821100	PEN-HC-W100B	ACCESS. SUR. AREAS- PEN-W100B (1BW200)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible, uncoated area some light rust, no noted degradation.
821200	PEN-HC-W100C	ACCESS. SUR. AREAS- PEN-W100C (1CW200)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area some light rust, no noted degradation.

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821300	PEN-HC-W100D	ACCESS. SUR. AREAS- PEN-W100D (1DW200)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
821400	PEN-HC-W101A	ACCESSIBLE SURFACE AREAS- PEN-W101A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
821500	PEN-HC-W101B	ACCESSIBLE SURFACE AREAS- PEN-W101B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
821600	PEN-HC-W101C	ACCESSIBLE SURFACE AREAS- PEN-W101C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
821700	PEN-HC-W101D	ACCESSIBLE SURFACE AREAS- PEN-W101D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
821800	PEN-HC-W101E	ACCESSIBLE SURFACE AREAS- PEN-W101E	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
821900	PEN-HC-W101F	ACCESSIBLE SURFACE AREAS- PEN-W101F	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
822000	PEN-HC-W102A	ACCESS. SUR. AREAS- PEN-W102A (1AW202)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible uncoated area some light rust, no noted degradation.
822200	PEN-HC-W102C	ACCESS. SUR. AREAS- PEN-W102C (1CW202)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area some light rust, no noted degradation.
822300	PEN-HC-W102D	ACCESS. SUR. AREAS- PEN-W102D (1DW202)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
822400	PEN-HC-W103A	ACCESS. SUR. AREAS- PEN-W103A (1AW203)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
822500	PEN-HC-W103B	ACCESS. SUR. AREAS- PEN-W103B (1BW203)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area some light rust, no noted degradation.
822600	PEN-HC-W104A	ACCESS. SUR. AREAS- PEN-W104A (1AW204)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
822700	PEN-HC-W104B	ACCESS. SUR. AREAS- PEN-W104B (1BW204)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
822800	PEN-HC-W104C	ACCESS. SUR. AREAS- PEN-W104C (1CW204)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
822900	PEN-HC-W104D	ACCESS. SUR. AREAS- PEN-W104D (1DW204)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
823000	PEN-HC-W104E	ACCESS. SUR. AREAS- PEN-W104E (1EW204)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.

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823100	PEN-HC-W104F	ACCESSIBLE SURFACE AREAS- PEN-W104F	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G exam performed under W/O# 50045211. Weld not coated, areas of light rust.
823200	PEN-HC-W104G	ACCESSIBLE SURFACE AREAS- PEN-W104G	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G exam performed under W/O# 50045211. Weld not coated, areas of light rust.
823300	PEN-HC-W104H	ACCESSIBLE SURFACE AREAS- PEN-W104H	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211. Weld not coated, areas of light rust.
823400	PEN-HC-W104J	ACCESSIBLE SURFACE AREAS- PEN-W104J	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211. Weld not coated, areas of light rust.
823500	PEN-HC-W104K	ACCESS. SUR. AREAS- PEN-W104K (1KW204)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible uncoated area some light rust, no noted degradation.
823600	PEN-HC-W105A	ACCESS. SUR. AREAS- PEN-W105A (1AW205)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible uncoated area some light rust, no noted degradation.
823800	PEN-HC-W105C	ACCESS. SUR. AREAS- PEN-W105C (1CW205)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area some light rust, no noted degradation.
823900	PEN-HC-W105D	ACCESS. SUR. AREAS- PEN-W105D (1DW205)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
824000	PEN-HC-W105E	ACCESS. SUR. AREAS- PEN-W105E (1EW205)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible uncoated area some light rust, no noted degradation.
824100	PEN-HC-W105F	ACCESS. SUR. AREAS- PEN-W105F (1FW205)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible uncoated area some light rust, no noted degradation.
824200	PEN-HC-W105G	ACCESS. SUR. AREAS- PEN-W105G (1GW205)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible, uncoated area some light rust, no noted degradation.
824300	PEN-HC-W105H	ACCESS. SUR. AREAS- PEN-W105H (1GW205)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible, uncoated area some light rust, no noted degradation.
824400	PEN-HC-W106A	ACCESS. SUR. AREAS- PEN-W106A (1AW206)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 3' of penetration visible uncoated area some light rust, no noted degradation.
824500	PEN-HC-W106B	ACCESS. SUR. AREAS- PEN-W106B (1BW206)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light rust, no scaling or flaking, no degradation noted.
824600	PEN-HC-W106C	ACCESS. SUR. AREAS- PEN-W106C (1CW206)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area some light rust, no noted degradation.
824700	PEN-HC-P1A	ACCESS. SUR. AREAS- PEN-P1A (AB-1A)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211
824800	PEN-HC-P1B	ACCESS. SUR. AREAS- PEN-P1B (AB-1B)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211

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824900	PEN-HC-P1C	ACCESS. SUR. AREAS- PEN-P1C (AB-1C)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211
825000	PEN-HC-P1D	ACCESS. SUR. AREAS- PEN-P1D (AB-1D)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211
825100	PEN-HC-P2A	ACCESS. SUR. AREAS- PEN-P2A (AE-2A)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211
825200	PEN-HC-P2B	ACCESS. SUR. AREAS - PEN-P2B (AE-2B)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211
825300	PEN-HC-P3	ACCESSIBLE SURFACE AREAS- PEN-P3	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211
825400	PEN-HC-P4A	ACCESSIBLE SURFACE AREAS- PEN-P4A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
825500	PEN-HC-P4B	ACCESSIBLE SURFACE AREAS- PEN-P4B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
825600	PEN-HC-P5A	ACCESSIBLE SURFACE AREAS- PEN-P5A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
825700	PEN-HC-P5B	ACCESSIBLE SURFACE AREAS- PEN-P5B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
825800	PEN-HC-P6A	ACCESSIBLE SURFACE AREAS- PEN-P6A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
825900	PEN-HC-P6B	ACCESSIBLE SURFACE AREAS- PEN-P6B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
826000	PEN-HC-P6C	ACCESSIBLE SURFACE AREAS- PEN-P6C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
826100	PEN-HC-P6D	ACCESSIBLE SURFACE AREAS- PEN-P6D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
826200	PEN-HC-P7	ACCESSIBLE SURFACE AREAS- PEN-P7	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211. Weld not coated, areas of light rust.
826300	PEN-HC-P8A	ACCESSIBLE SURFACE AREAS- PEN-P8A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
826400	PEN-HC-P8B	ACCESSIBLE SURFACE AREAS- PEN-P8B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 5' of penetration visible, uncoated area has light to medium rust.
826500	PEN-HC-P9	ACCESSIBLE SURFACE AREAS- PEN-P9	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated, no noted degradation, Approximately 3' accessible.

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826600	PEN-HC-P10	ACCESSIBLE SURFACE AREAS- PEN-P10	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated, no noted degradation, Approximately 3' accessible.
826700	PEN-HC-P11	ACCESS. SUR. AREAS- PEN-P11 (FCJN11)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area some light to medium rust, no noted degradation.
826800	PEN-HC-P12	ACCESS. SUR. AREAS- PEN-P12 (AB-12)	SH.RA-IS.ZZ-0004 (Q) Rev.1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211
827100	PEN-HC-P19	ACCESSIBLE SURFACE AREAS- PEN-P19	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
827200	PEN-HC-P20	ACCESSIBLE SURFACE AREAS- PEN-P20	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
827500	PEN-HC-P23	ACCESS. SUR. AREAS- PEN-P23 (S-4411-003)	SH.RA-IS.ZZ-0004 (Q) Rev.1	Visual	VT-G	Accept	VT_G exam performed under W/O# 50045211
827700	PEN-HC-P24B	ACCESSIBLE SURFACE AREAS- PEN-P24B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
827900	PEN-HC-P26	ACCESSIBLE SURFACE AREAS- PEN-P26		Visual	VT-G		INACCESSIBLE CONCRETRE Fig.090 Type C
828600	PEN-HC-P34A	ACCESSIBLE SURFACE AREAS- PEN-P34A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Type F penetration, no degradation noted.
828610	BLT-HC-PEN-P34A	BOLTING PEN P34A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Under tension inplace, 4 bolts, 8 washers, 4 nuts, no degradation noted.
828700	PEN-HC-P34B	ACCESSIBLE SURFACE AREAS- PEN-P34B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Type F penetration, no degradation noted.
828710	BLT-HC-PEN-P34B	BOLTING PEN P34B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Under tension inplace, 4 bolts, 8 washers, 4 nuts, no degradation noted.
828800	PEN-HC-P34C	ACCESSIBLE SURFACE AREAS- PEN-P34C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Type F penetration, no degradation noted.
828810	BLT-HC-PEN-P34C	BOLTING PEN P34C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Under tension inplace, 4 bolts, 8 washers, 4 nuts, no degradation noted.
828900	PEN-HC-P34D	ACCESSIBLE SURFACE AREAS- PEN-P34D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Type F penetration, no degradation noted.
828910	BLT-HC-PEN-P34D	BOLTING PEN P34D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Under tension inplace, 4 bolts, 8 washers, 4 nuts, no degradation noted.
829000	PEN-HC-P34E	ACCESSIBLE SURFACE AREAS- PEN-P34E	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Type F penetration, no degradation noted.

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829010	BLT-HC-PEN-P34E	BOLTING PEN P34E	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Under tension inplace, 4 bolts, 8 washers, 4 nuts, no degradation noted.
829100	PEN-HC-P34F	ACCESSIBLE SURFACE AREAS- PEN-P34F	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Type F penetration, no degradation noted.
829110	BLT-HC-PEN-P34F	BOLTING PEN P34F	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Under tension inplace, 4 bolts, 8 washers, 4 nuts, no degradation noted.
829200	PEN-HC-P34G	ACCESSIBLE SURFACE AREAS- PEN-P34G	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Type F penetration, no degradation noted.
829210	BLT-HC-PEN-P34G	BOLTING PEN P34G	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Under tension inplace, 4 bolts, 8 washers, 4 nuts, no degradation noted.
829300	PEN-HC-P38A	ACCESSIBLE SURFACE AREAS- PEN-P38A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
829400	PEN-HC-P38B	ACCESSIBLE SURFACE AREAS- PEN-P38B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
829510	PEN-HC-P13	ACCESSIBLE SURFACE AREAS- PEN-P13 SPARE	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated, no noted degradation.
829520	PEN-HC-P15	ACCES SUR - PEN-P15 SPARE (OPA-94-SPARE)	SH.RA-IS.ZZ-0004 (Q) Rev.1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
829530	PEN-HC-P16	ACCESSIBLE SURFACE AREAS- PEN-P16 SPARE	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated, no noted degradation, Approximately 6' accessible.
829600	HCH-HC-C1 EQUIPMENT HATCH	ACCESSIBLE SURFACES - EQUIPMENT HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	External hatch is covered with concrete blocks, inaccessible, internal to the drywell hatch has no degradation noted.
829610	BLT-HC-C1 EQUIP HATCH BLTG	BOLTING - C1 EQUIPMENT HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	External hatch is covered with concrete blocks, inaccessible, internal to the drywell 24-1 1/4" dia. Swing bolts, 144 washers, 24 nuts inspected in place, no unacceptable flaws/wear noted.
829700	HCH-HC-C2 EQUIPMENT HATCH	ACCESSIBLE SURFACES - EQUIPMENT HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted degradation.
829710	BLT-HC-C2 EQUIP HATCH BOLTING	BOLTING - C2 EQUIPMENT HATCH TO NOZZLE	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	24-2" dia. Swing bolts, 24 nuts, 24 washers inspected inplace. No unacceptable flaws/wear noted.
829720	ALK-HC-C2 PERSONNEL AIRLOCK	ACCESSIBLE SURFACES - PERSONNEL AIRLOCK	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted degradation.
829730	BLT-HC-C2 PERS. AIRLOCK BLTG	BOLTING - PERSONNEL AIRLOCK	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No unacceptable flaw/wear noted.

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829800	HCH-HC-C3 CRD HATCH	ACCESSIBLE SURFACES - CRD REMOVAL HATCH	SH.RA-IS.ZZ-0004 (Q) Rev. 1	Visual	VT-G	Accept	Manway flange and swing arm have no unacceptable flaws or wear noted. Notification# 20141299 was generated for chipped coating in CRD Hatch penetration.
829810	BLT-HC-C3 CRD HATCH BOLTING	BOLTING - CRD REMOVAL HATCH	SH.RA-IS.ZZ-0004 (Q) Rev.1	Visual	VT-G	Accept	11 1-1/2" dia. bolts, 16 nuts and 16 washers inspected disassembled. no unacceptable flaws or wear noted.
829900	HCH-HC-C5 DRYWELL HEAD HATCH	ACCESSIBLE SURFACES - DRYWELL HEAD HATCH	SH.RA-IS.ZZ-0004 (Q) Rev.1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
829910	BLT-HC-C5 DW HEAD HATCH BLTG	BOLTING - DRYWELL HEAD HATCH	SH.RA-IS.ZZ-0004 (Q) Rev.1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
830300	PEN-HC-J3	ACCESS. SUR. AREAS- PEN-J3 (E-4509-002)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approximately 3-4' of penetration visible, coated, no noted degradation.
830400	PEN-HC-J4	ACCESS. SUR. AREAS- PEN-J4 (E-4411-001)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
830600	PEN-HC-J6	ACCESS. SUR. AREAS- PEN-J6 (E-4508-001)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approximately 1' of penetration visible, partial coated, no noted degradation.
830900	PEN-HC-J9	ACCESS. SUR. AREAS- PEN-J9 (E-4411-002)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
831100	PEN-HC-J11	ACCESSIBLE SURFACE AREAS- PEN-J11	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
831200	PEN-HC-J12	ACCESSIBLE SURFACE AREAS- PEN-J12	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
831300	PEN-HC-J13	ACCESSIBLE SURFACE AREAS- PEN-J13	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
831400	PEN-HC-J14	ACCESSIBLE SURFACE AREAS- PEN-J14	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
831500	PEN-HC-J15	ACCESSIBLE SURFACE AREAS- PEN-J15	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
831600	PEN-HC-J16	ACCESSIBLE SURFACE AREAS- PEN-J16	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
831700	PEN-HC-J17	ACCESSIBLE SURFACE AREAS- PEN-J17	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
831800	PEN-HC-J18	ACCESSIBLE SURFACE AREAS- PEN-J18	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.

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831900	PEN-HC-J19	ACCESSIBLE SURFACE AREAS- PEN-J19	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832000	PEN-HC-J20	ACCESSIBLE SURFACE AREAS- PEN-J20	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832100	PEN-HC-J21	ACCESSIBLE SURFACE AREAS- PEN-J21	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832200	PEN-HC-J22	ACCESSIBLE SURFACE AREAS- PEN-J22	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832300	PEN-HC-J23	ACCESSIBLE SURFACE AREAS- PEN-J23	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832400	PEN-HC-J24	ACCESSIBLE SURFACE AREAS- PEN-J24	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832500	PEN-HC-J25	ACCESSIBLE SURFACE AREAS- PEN-J25	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832600	PEN-HC-J26	ACCESSIBLE SURFACE AREAS- PEN-J26	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832700	PEN-HC-J27	ACCESSIBLE SURFACE AREAS- PEN-J27	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
832800	PEN-HC-J28	ACCESSIBLE SURFACE AREAS- PEN-J28	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
832900	PEN-HC-J29	ACCESSIBLE SURFACE AREAS- PEN-J29	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833000	PEN-HC-J30	ACCESSIBLE SURFACE AREAS- PEN-J30	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833100	PEN-HC-J31	ACCESSIBLE SURFACE AREAS- PEN-J31	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833200	PEN-HC-J32	ACCESSIBLE SURFACE AREAS- PEN-J32	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833300	PEN-HC-J33	ACCESSIBLE SURFACE AREAS- PEN-J33	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833400	PEN-HC-J34	ACCESSIBLE SURFACE AREAS- PEN-J34	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833500	PEN-HC-J35	ACCESSIBLE SURFACE AREAS- PEN-J35	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.

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833600	PEN-HC-J36	ACCESSIBLE SURFACE AREAS- PEN-J36	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833700	PEN-HC-J37	ACCESSIBLE SURFACE AREAS- PEN-J37	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833800	PEN-HC-J38	ACCESSIBLE SURFACE AREAS- PEN-J38	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
833900	PEN-HC-J39	ACCESSIBLE SURFACE AREAS- PEN-J39	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
834000	PEN-HC-J40	ACCESSIBLE SURFACE AREAS- PEN-J40	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
834100	PEN-HC-J41	ACCESSIBLE SURFACE AREAS- PEN-J41	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 4' of penetration visible, uncoated area has light to medium rust.
834200	PEN-HC-J42	ACCESSIBLE SURFACE AREAS- PEN-J42	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 4' of penetration visible, uncoated area has light to medium rust.
834300	PEN-HC-J43	ACCESSIBLE SURFACE AREAS- PEN-J43	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 4' of penetration visible, uncoated area has light to medium rust.
834400	PEN-HC-J44	ACCESSIBLE SURFACE AREAS- PEN-J44	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
834500	PEN-HC-J45	ACCESSIBLE SURFACE AREAS- PEN-J45	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
834600	PEN-HC-J46	ACCESSIBLE SURFACE AREAS- PEN-J46	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
834700	PEN-HC-J47	ACCESSIBLE SURFACE AREAS- PEN-J47	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 4' of penetration visible, uncoated area has light to medium rust.
834800	PEN-HC-J48	ACCESSIBLE SURFACE AREAS- PEN-J48	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 4' of penetration visible, uncoated area has light to medium rust.
834900	PEN-HC-J49	ACCESSIBLE SURFACE AREAS- PEN-J49	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Approx. 4' of penetration visible, uncoated area has light to medium rust.
835000	PEN-HC-J50	ACCESSIBLE SURFACE AREAS- PEN-J50	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
835100	PEN-HC-J51	ACCESSIBLE SURFACE AREAS- PEN-J51	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
835200	PEN-HC-J52	ACCESSIBLE SURFACE AREAS- PEN-J52	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211

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835300	PEN-HC-J1350	ACCESSIBLE SURFACE AREAS- PEN-J1350	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
835500	PEN-HC-J1352	ACCESSIBLE SURFACE AREAS- PEN-J1352	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
835600	PEN-HC-J1353	ACCESSIBLE SURFACE AREAS- PEN-J1353	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	VT-G Exam performed under W/O# 50045211
836100	HCH-HC-SHEAR LUG HATCH 0 DEG	ACCESS. SURF.- 0 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable.
836120	BLT-HC-SHEAR LUG HATCH 0 DEG	BOLTING - 0 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	16-1" dia. Bolts, 16 washers, inspected in place, no unacceptable flaw/wear noted.
836200	HCH-HC-SHEAR LUG HATCH 45 DEG	ACCESS. SURF.- 45 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable.
836220	BLT-HC-SHEAR LUG HATCH 45 DEG	BOLTING - 45 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	16-1" dia. Bolts, 16 washers, inspected in place, no unacceptable flaw/wear noted.
836300	HCH-HC-SHEAR LUG HATCH 90 DEG	ACCESS. SURF.- 90 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable.
836320	BLT-HC-SHEAR LUG HATCH 90 DEG	BOLTING - 90 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	16-1" dia. Bolts, 16 washers, inspected in place, no unacceptable flaw/wear noted.
836400	HCH-HC-SHEAR LUG HATCH 135 DEG	ACCESS. SURF.- 135 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable.
836420	BLT-HC-SHEAR LUG HATCH 135 DEG	BOLTING - 135 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	16-1" dia. Bolts, 16 washers, inspected in place, no unacceptable flaw/wear noted.
836500	HCH-HC-SHEAR LUG HATCH 180 DEG	ACCESS. SURF.- 180 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable.
836520	BLT-HC-SHEAR LUG HATCH 180 DEG	BOLTING - 180 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	16-1" dia. Bolts, 16 washers, inspected in place, no unacceptable flaw/wear noted.
836600	HCH-HC-SHEAR LUG HATCH 225 DEG	ACCESS. SURF.- 225 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable.
836620	BLT-HC-SHEAR LUG HATCH 225 DEG	BOLTING - 225 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	16-1" dia. Bolts, 16 washers, inspected in place, no unacceptable flaw/wear noted.
836700	HCH-HC-SHEAR LUG HATCH 270 DEG	ACCESS. SURF.- 270 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable.
836720	BLT-HC-SHEAR LUG HATCH 270 DEG	BOLTING - 270 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	16-1" dia. Bolts, 16 washers, inspected in place, no unacceptable flaw/wear noted.

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836800	HCH-HC-SHEAR LUG HATCH 315 DEG	ACCESS. SURF.- 315 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Coated surfaces are acceptable.
836820	BLT-HC-SHEAR LUG HATCH 315 DEG	BOLTING - 315 DEG SHEAR LUG HATCH	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	16-1" dia. Bolts, 16 washers, inspected in place, no unacceptable flaw/wear noted.
838100	PEN-HC-P37A VENT LINE	ACCESSIBLE SURFACE AREAS- PEN-P37A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
838200	PEN-HC-P37B VENT LINE	ACCESSIBLE SURFACE AREAS- PEN-P37B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
838300	PEN-HC-P37C VENT LINE	ACCESSIBLE SURFACE AREAS- PEN-P37C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
838400	PEN-HC-P37D VENT LINE	ACCESSIBLE SURFACE AREAS- PEN-P37D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
838500	PEN-HC-P37E VENT LINE	ACCESSIBLE SURFACE AREAS- PEN-P37E	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
838600	PEN-HC-P37F VENT LINE	ACCESSIBLE SURFACE AREAS- PEN-P37F	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
838700	PEN-HC-P37G VENT LINE	ACCESSIBLE SURFACE AREAS- PEN-P37G	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
838800	PEN-HC-P37H VENT LINE	ACCESSIBLE SURFACE AREAS- PEN-P37H	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
840100	VNT-HC-A VNT LN EXTERNAL SURF	VENT LINE A - 22 DEG BETWEEN DW & TORUS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
840200	VNT-HC-B VNT LN EXTERNAL SURF	VENT LINE B - 67 DEG BETWEEN DW & TORUS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
840300	VNT-HC-C VNT LN EXTERNAL SURF	VENT LINE C - 112 DEG BETWEEN DW & TORUS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
840400	VNT-HC-D VNT LN EXTERNAL SURF	VENT LINE D - 157 DEG BETWEEN DW & TORUS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
840500	VNT-HC-E VNT LN EXTERNAL SURF	VENT LINE E - 202 DEG BETWEEN DW & TORUS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
840600	VNT-HC-F VNT LN EXTERNAL SURF	VENT LINE F - 247 DEG BETWEEN DW & TORUS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
840700	VNT-HC-G VNT LN EXTERNAL SURF	VENT LINE G - 292 DEG BETWEEN DW & TORUS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.

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840800	VNT-HC-H VNT LN EXTERNAL SURF	VENT LINE H - 337 DEG BETWEEN DW & TORUS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
850200	VSL-HC-SUPP CHMBR INT SURF	ACCESSIBLE INTERNAL TORUS SURFACES	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No degradation noted on coated surfaces, medium to heavy rust noted notification# 20140378 was generated
851100	PEN-HC-P201	ACCESSIBLE SURFACE AREAS- PEN-P201	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
851200	PEN-HC-P202	ACCESSIBLE SURFACE AREAS- PEN-P202	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
851300	PEN-HC-P203	ACCESSIBLE SURFACE AREAS- PEN-P203	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
851400	PEN-HC-P204	ACCESSIBLE SURFACE AREAS- PEN-P204	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
851500	PEN-HC-P205 SPARE	ACCESSIBLE SURFACE AREAS- PEN-P205	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	OD uncoated area light to dark rust, no scaling or flaking or degradation noted. ID inspection identified heavy rust notification# 20142545 was generated.
851600	PEN-HC-P206 SPARE	ACCESSIBLE SURFACE AREAS- PEN-P206	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	OD uncoated area light to dark rust, no scaling or flaking or degradation noted. ID inspection identified heavy rust notification# 201425465 was generated.
851700	PEN-HC-P207	ACCESSIBLE SURFACE AREAS- PEN-P207	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
851800	PEN-HC-P208	ACCESSIBLE SURFACE AREAS- PEN-P208	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
851900	PEN-HC-P209	ACCESSIBLE SURFACE AREAS- PEN-P209	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
852000	PEN-HC-P210	ACCESSIBLE SURFACE AREAS- PEN-P210	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
852100	PEN-HC-P211A	ACCESSIBLE SURFACE AREAS- PEN-P211A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
852200	PEN-HC-P211B	ACCESSIBLE SURFACE AREAS- PEN-P211B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
852300	PEN-HC-P211C	ACCESSIBLE SURFACE AREAS- PEN-P211C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
852400	PEN-HC-P211D	ACCESSIBLE SURFACE AREAS- PEN-P211D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.

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852500	PEN-HC-P212A	ACCESSIBLE SURFACE AREAS- PEN-P212A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
852600	PEN-HC-P212B	ACCESSIBLE SURFACE AREAS- PEN-P212B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
852700	PEN-HC-P213A	ACCESSIBLE SURFACE AREAS- PEN-P213A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
852800	PEN-HC-P213B	ACCESSIBLE SURFACE AREAS- PEN-P213B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
852900	PEN-HC-P214A	ACCESSIBLE SURFACE AREAS- PEN-P214A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
853000	PEN-HC-P214B	ACCESSIBLE SURFACE AREAS- PEN-P214B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853100	PEN-HC-P216A	ACCESSIBLE SURFACE AREAS- PEN-P216A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853200	PEN-HC-P216B	ACCESSIBLE SURFACE AREAS- PEN-P216B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853300	PEN-HC-P216C	ACCESSIBLE SURFACE AREAS- PEN-P216C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853400	PEN-HC-P216D	ACCESSIBLE SURFACE AREAS- PEN-P216D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853500	PEN-HC-P217A	ACCESSIBLE SURFACE AREAS- PEN-P217A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853600	PEN-HC-P217B	ACCESSIBLE SURFACE AREAS- PEN-P217B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853700	PEN-HC-P219	ACCESSIBLE SURFACE AREAS- PEN-P219	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
853750	PEN-HC-P220	ACCESSIBLE SURFACE AREAS- PEN-P220	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853800	PEN-HC-P221A DRAIN COVER A	ACCESSIBLE SURFACE AREAS- PEN-P221A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
853810	BLT-HC-P221A BOLTING	DRAIN COVER BOLTING PEN-P221A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	8 3/4" dia. Studs, and 16 nuts inspected inplace. No unacceptable flaews or wear noted
853900	PEN-HC-P221B DRAIN COVER B	ACCESSIBLE SURFACE AREAS- PEN-P221B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Az. 65 Degree, flange is wet (Looks likecondensation but no other flanges exhibit this. Notification# 20140287 was generated.

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
853910	BLT-HC-P221B BOLTING	DRAIN COVER BOLTING PEN- P221B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	8 3/4" dia. Studs, and 16 nuts inspected inplace. No unacceptable flaews or wear noted
854000	PEN-HC-P221C DRAIN COVER C	ACCESSIBLE SURFACE AREAS- PEN-P221C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Az. 292 Degree, flange is wet (Looks likecondensation but no other flanges exhibit this. Notification# 20140288 was generated.
854010	BLT-HC-P221C BOLTING	DRAIN COVER BOLTING PEN- P221C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	8 3/4" dia. Studs, and 16 nuts inspected inplace. No unacceptable flaews or wear noted
854100	PEN-HC-P221D DRAIN COVER D	ACCESSIBLE SURFACE AREAS- PEN-P221D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
854110	BLT-HC-P221D BOLTING	DRAIN COVER BOLTING PEN- P221D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	8 3/4" dia. Studs, and 16 nuts inspected inplace. No unacceptable flaews or wear noted
854200	PEN-HC-P222	ACCESSIBLE SURFACE AREAS- PEN-P222	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
854300	PEN-HC-P223	ACCESSIBLE SURFACE AREAS- PEN-P223	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
854400	PEN-HC-P224 SPARE	ACCESSIBLE SURFACE AREAS- PEN-P224	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
854500	PEN-HC-P226 SPARE	ACCESSIBLE SURFACE AREAS- PEN-P226	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	OD uncoated area light to dark rust, no scaling or flaking or degradation noted. ID inspection identified heavy rust notification# 20140378465 was generated.
854600	PEN-HC-P227	ACCESSIBLE SURFACE AREAS- PEN-P227	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted. I.D. inspection noted heavy rust Notificatio# 20142544 was generated
854700	PEN-HC-P228	ACCESSIBLE SURFACE AREAS- PEN-P228	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
854800	PEN-HC-P229A VENT LINE A	ACCESSIBLE SURFACES- PEN-P229A & BELLOWS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted. Bellows have protective covers and are inaccessible.
854900	PEN-HC-P229B VENT LINE B	ACCESSIBLE SURFACES- PEN-P229B & BELLOWS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted. Bellows have protective covers and are inaccessible.
855000	PEN-HC-P229C VENT LINE C	ACCESSIBLE SURFACES- PEN-P229C & BELLOWS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted. Bellows have protective covers and are inaccessible..

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
855100	PEN-HC-P229D VENT LINE D	ACCESSIBLE SURFACES- PEN-P229D & BELLOWS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted Bellows have protective cover, inaccessible.
855200	PEN-HC-P229E VENT LINE E	ACCESSIBLE SURFACES- PEN-P229E & BELLOWS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted Bellows have protective cover, inaccessible.
855300	PEN-HC-P229F VENT LINE F	ACCESSIBLE SURFACES- PEN-P229F & BELLOWS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted Bellows have protective cover, inaccessible.
855400	PEN-HC-P229G VENT LINE G	ACCESSIBLE SURFACES- PEN-P229G & BELLOWS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted Bellows have protective cover, inaccessible.
855500	PEN-HC-P229H VENT LINE H	ACCESSIBLE SURFACES- PEN-P229H & BELLOWS	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted Bellows have protective cover, inaccessible.
855600	PEN-HC-W201A	ACCESSIBLE SURFACE AREAS- PEN-W201A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
855700	PEN-HC-W201B	ACCESSIBLE SURFACE AREAS- PEN-W201B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
855800	PEN-HC-W201C	ACCESSIBLE SURFACE AREAS- PEN-W201C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
855900	PEN-HC-W201D	ACCESSIBLE SURFACE AREAS- PEN-W201D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
856000	PEN-HC-W202A	ACCESSIBLE SURFACE AREAS- PEN-W202A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
856100	PEN-HC-W203A	ACCESSIBLE SURFACE AREAS- PEN-W203A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
856200	PEN-HC-J201	ACCESSIBLE SURFACE AREAS- PEN-J201	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
856300	PEN-HC-J202	ACCESSIBLE SURFACE AREAS- PEN-J202	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
856400	PEN-HC-J203 SPARE	ACCESSIBLE SURFACE AREAS- PEN-J203	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
856500	PEN-HC-J204 SPARE	ACCESSIBLE SURFACE AREAS- PEN-J204	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
856600	PEN-HC-J205 SPARE	ACCESSIBLE SURFACE AREAS- PEN-J205	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
856700	PEN-HC-J206	ACCESSIBLE SURFACE AREAS- PEN-J206	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
856800	PEN-HC-J207	ACCESSIBLE SURFACE AREAS- PEN-J207	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
856900	PEN-HC-J208	ACCESSIBLE SURFACE AREAS- PEN-J208	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, approximately 3' of penetration visible no degradation noted.
857000	PEN-HC-J209	ACCESSIBLE SURFACE AREAS- PEN-J209	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
857100	PEN-HC-J210	ACCESSIBLE SURFACE AREAS- PEN-J210	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
857200	PEN-HC-J211	ACCESSIBLE SURFACE AREAS- PEN-J211	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
857300	PEN-HC-J212	ACCESSIBLE SURFACE AREAS- PEN-J212	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
857400	PEN-HC-J213 SPARE	ACCESSIBLE SURFACE AREAS- PEN-J213	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
857500	PEN-HC-J216 SPARE	ACCESSIBLE SURFACE AREAS- PEN-J216	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
857600	PEN-HC-J217	ACCESSIBLE SURFACE AREAS- PEN-J217	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
857700	PEN-HC-J218 SPARE	ACCESSIBLE SURFACE AREAS- PEN-J218	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
857800	PEN-HC-J219	ACCESSIBLE SURFACE AREAS- PEN-J219	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
857900	PEN-HC-J220	ACCESSIBLE SURFACE AREAS- PEN-J220	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
858000	PEN-HC-J221	ACCESSIBLE SURFACE AREAS- PEN-J221	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
858100	HCH-HC-C201A TORUS HATCH SURF	ACCESSIBLE SURFACE AREAS- HATCH C201A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
858110	BLT-HC-C201A HATCH BOLTING	TORUS HATCH COVER BOLTING C201A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	18 1-1/4" dia bolts, 18 nuts and 36 washers inspected in place No unacceptable flaws or wear noted..

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Sum#	Component I.D.	Description	Procedure	Method	EXAM TYPE	Status	Comments
858200	HCH-HC-C201B TORUS HATCH SURF	ACCESSIBLE SURFACE AREAS- HATCH C201B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
858210	BLT-HC-C201B HATCH BOLTING	TORUS HATCH COVER BOLTING C201B	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	18 1-1/4" dia bolts, 18 nuts and 36 washers inspected in place No unacceptable flaws or wear noted.
858300	HCH-HC-C201C TORUS HATCH SURF	ACCESSIBLE SURFACE AREAS- HATCH C201C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
858310	BLT-HC-C201C HATCH BOLTING	TORUS HATCH COVER BOLTING C201C	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	18 1-1/4" dia bolts, 18 nuts and 36 washers inspected in place No unacceptable flaws or wear noted.
858400	HCH-HC-C201D TORUS HATCH SURF	ACCESSIBLE SURFACE AREAS- HATCH C201D	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
858410	BLT-HC-C201D HATCH BOLTING	TORUS HATCH COVER BOLTING C201A	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	18 1-1/4" dia bolts, 18 nuts and 36 washers inspected in place No unacceptable flaws or wear noted.
858500	VSL-HC-SUPP-001	ACCESS EXT TORUS (054--080-/000-360 DEG)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated areas have light to medium rust. Notification 20141327 was generated.
858700	VSL-HC-SUPP-002	ACCESS EXT TORUS (081--101-/000-090 DEG)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.
858705	VSL-HC-SUPP-002-AE-001	ARC STRIKE - TOP OF TORUS - 10 DEG.	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted changes in existing arc strike by visual examination
858900	VSL-HC-SUPP-003	ACCESS EXT TORUS (081--101-/091-180 DEG)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted..
859100	VSL-HC-SUPP-004	ACCESS EXT TORUS (081--101-/181-270 DEG)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted growth in existing arc strike by visual examination.
859110	VSL-HC-SUPP-004-AE-001	ARC STRIKE - TDC OF TORUS - 180 DEG.	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted growth in existing arc strike by visual examination.
859111	VSL-HC-SUPP-004-AE-002	ARC STRIKE - TDC OF TORUS - 201 DEG.	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted growth in existing arc strike by visual examination.
859112	VSL-HC-SUPP-004-AE-003	ARC STRIKE - TDC OF TORUS - 206 DEG.	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted growth in existing arc strike by visual examination.
859113	VSL-HC-SUPP-004-AE-004	ARC STRIKE - TDC OF TORUS - 225 DEG.	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted growth in existing arc strike by visual examination.
859114	VSL-HC-SUPP-004-AE-005	ARC STRIKE - TDC OF TORUS - 231 DEG.	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	No noted growth in existing arc strike by visual examination.
859300	VSL-HC-SUPP-005	ACCESS EXT TORUS (081--101-/271-360 DEG)	SH.RA-IS.ZZ-0004 (Q) Rev 1	Visual	VT-G	Accept	Uncoated area light to dark rust, no scaling or flaking or degradation noted.

ENCLOSURE 4

**TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS
THAT REQUIRED
EVALUATION FOR CONTINUED SERVICE**

TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE

Examination Category	Item Number	Item Description	Flaw Characterization	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
A-E	501602	IVVI-160B	Lifting lug strap to dryer bank broken lose	Yes (Ref. Notification# 20142652)
A-E	502010	IVVI-201	3/4" crack	Yes (Ref. Notification# 20080894)

ENCLOSURE 5

**TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR
CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
(FOR PERIOD NOVEMBER 3, 2001 TO MAY 14, 2003)**

TABLE 3
Abstract of Repairs, Replacements, or Corrective Measures
Required for Continued Service

Code Class	Repair, Replacement or Corrective Measure	Item Description	Description of work	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)	Date Complete	Repair Replacement Plan Number	
1	Corrective Measure - Analyzed	Valve 1-FD-V032	Evaluation	Yes	1/9/2002	60025342	-
2	Corrective Measure - Analyzed	Support 1-AB-F070A	Evaluation	No	3/6/2002	70022421	-
3	Replacement	1" SW Lube water Pipe	Replaced	No	11/27/2001	80037385	-
1	Replacement	Pipe (Inst Tubing)	Replaced	No	11/28/2001	80037615	50-5015123 ¹
3	Repair	28" Pipe at "C" Service Water Pump	Repaired	No	4/8/2002	80043309	60027015

¹ Framatome ANP replaced the weld under their QA program. Framatome Traveler 50-5015123 replaced the piping. No further action is required.

<p align="center">TABLE 3 Abstract of Repairs, Replacements, or Corrective Measures Required for Continued Service</p>							
Code Class	Repair, Replacement or Corrective Measure	Item Description	Description of work	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)	Date Complete	Repair Replacement Plan Number	
3	Replacement	1" Pipe at "C" Service Water Pump	Replaced	No	8/5/2002	80049285	60021724
1	Corrective Measure	Shroud head Bolts (IVVI-170)	'Use-As-Is' Engineering Evaluation of the shroud head bolts upper spring being compressed and installed 180 degrees out. This indication was observed and evaluated during a previous outage.	Yes	N/A	990225202	-
1	Corrective Measure	Steam Dryer Support Ring (IVVI-201)	'Use-As-Is' Engineering Evaluation of a crack like indication on the steam dryer mid support ring @ 205 degrees. This examination was a re-look of an indication that was identified during a previous outage. No apparent growth was observed.	Yes	N/A	990301206	-

TABLE 3
Abstract of Repairs, Replacements, or Corrective Measures
Required for Continued Service

Code Class	Repair, Replacement or Corrective Measure	Item Description	Description of work	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)	Date Complete	Repair Replacement Plan Number	
1	Corrective Measure	Jet Pump #17 (IVVI-234)	'Use-As-Is' Engineering Evaluation of a crack like indication on the shroud side set screw. This indication was observed and evaluated during a previous outage.	Yes	N/A	971025088	-
1	Corrective Measure	Jet Pump #20 (IVVI-237)	'Use-As-Is' Engineering Evaluation of a crack like indication on the shroud side set screw. This indication was observed and evaluated during a previous outage.	Yes	N/A	971025105	-
1	Corrective Measure	Steam Dryer Assembly	'Use-As-Is' Engineering Evaluation of a crack like indication on the plate below seismic dryer support lug at 5 degrees.	Yes	N/A	20080894	-
1	Corrective Measure	180 Degree Guide Rod	'Use-As-Is' Engineering Evaluation of a heavy scrape indication on the south side of the 180-degree guide rod.	Yes	N/A	20080262	-