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NOTE: Portions of this report are compiled from Southern Nuclear Operating Company report; "Nondestructive Examination Of Selected Class 1, 2, and 3 Components", issued for the Spring 1993 Refueling Outage at E.I. Hatch Nuclear Plant, Unit 1. This report is available for review in the Records Management Department at the plant site.

LIST OF ABBREVIATIONS

ANI/ANII	Authorized Nuclear Inspector/Authorized Nuclear Inservice Inspector
ASME	American Society of Mechanical Engineers
ASNT	American Society for Nondestructive Testing
BC	Branch Connection
BWR	Boiling Water Reactor
CH	Closure Head
CONT	Containment
CPI	Containment Purge and Inerting
CRD	Control Rod Drive
CS	Core Spray
CU	Clean-up
C&L	Cramer and Lindell
DCR	Design Change Request
ECCS	Emergency Core Cooling Systems
ET	Eddy Current Examination
EPRI	Electric Power Research Institute
FB	Flange Bolting
FPC	Fuel Pool Cooling
FW	Feedwater
GE	General Electric
GPC	Georgia Power Company
HL	Hanger Lug
HPCI	High Pressure Coolant Injection
INF	Indication Notification Form
IGSCC	Intergranular Stress Corrosion Cracking
ISI	Inservice Inspection
LD	Longitudinal Seam Weld Extending Downstream
LD-I	Longitudinal Weld Downstream on Inside of Elbow
LD-O	Longitudinal Weld Downstream on Outside of Elbow
Lo	Zero Reference Location
LMT	Lambert, MacGill, Thomas, Inc.
LPCI	Low Pressure Coolant Injection
LU	Longitudinal Seam Weld Extending Upstream
LU-I	Longitudinal Weld Upstream on Inside of Elbow
LU-O	Longitudinal Weld Upstream on Outside of Elbow
MSIV	Main Steam Isolation Valve
MS	Main Steam
MSA	Main Steam Auxiliary
MT	Magnetic Particle Examination
MWe	Megawatt Electric
MWO	Maintenance Work Order
MWt	Megawatt Thermal
NDE	Nondestructive Examination
NI	No Indication
NRC	Nuclear Regulatory Commission
NRI	No Recordable Indication
OL	Overlay

Abbreviations - cont.

PL	Pipe Lug
PLT	Plant
PR	Pipe Restraint
PROD	Product
PS	Pipe Support
PSW	Plant Service Water
PT	Liquid Penetrant Examination
QC	Quality Control
RC	Reactor Recirculation
RCIC	Reactor Core Isolation Cooling
RHR	Residual Heat Removal
RHRSW	Residual Heat Removal Service Water
RI	Recordable Indication
RINTSA	Recirculation Inlet Nozzle Thermal Sleeve Attachment
RL	Refracted Longitudinal
RL	Restraint Lug
RPV	Reactor Pressure Vessel
RX	Reactor
RWCU	Reactor Water Cleanup
SBLC	Standby Liquid Control
SIAI	Structural Integrity Associates, Inc.
SER	Service
SRV	Safety Relief Valve
SNC	Southern Nuclear Operating Company
TDP	Torus Drainage and Purification
TSB	Turbine Steam Bypass
UT	Ultrasonic Examination
VLV	Valve
VT	Visual Examination

This list is comprised of standard abbreviations used in Inservice Inspection Documentation. All of these abbreviations may not appear in this report.

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS
As Required By the Provisions Of The ASME Codes Rules

1. Owner: Georgia Power Company, 333 Piedmont Ave., NE, P.O. Box 4545, Atlanta, Georgia 30302
2. Plant: Edwin I. Hatch Nuclear Plant, Route 1, Box 278, Baxley, GA 31513
3. Plant Unit 1 4. Owner Certificate of Authorization (if req.) N/A
5. Commercial Service Date 12/31/75 6. National Board No. for Unit N/A
7. Components Inspected:

<u>Component or Appurtenance or System</u>	<u>Manufacturer or Installer</u>	<u>Manufacturer or Installer Serial No.</u>	<u>State or Province Number</u>	<u>National Board No.</u>
Rx. Pressure Vessel	Combustion Eng.	67105	N/A	20769
Rx. Pressure Vessel	Combustion Eng.	67205	N/A	20769
1B21 Main Steam	Pullman Power Prod.	*	N/A	N/A
1B21 Feedwater	Pullman Power Prod.	*	N/A	N/A
1C41 SBLC	Pullman Power Prod.	*	N/A	N/A
1E11 RHR	Pullman Power Prod.	*	N/A	N/A
1E41 HPCI	Pullman Power Prod.	*	N/A	N/A
1G41 FPC & CU	Pullman Power Prod.	*	N/A	N/A
1N11 MS Auxiliary	Pullman Power Prod.	*	N/A	N/A
1P41 Plt Ser Water	Pullman Power Prod.	*	N/A	N/A

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets are recorded at the top of this form. **

* - Spool piece or fitting numbers too numerous to list for each specific system. Material certifications for all piping, fittings, etc., are available for review in the Records Management Department at the plant site.

** Exception taken to note 2.

8. Examination Dates 11/29/91 to 05/14/93.
9. Inspection Interval from 01/86 to 01/96.
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.

11. Abstract of Conditions Noted. ***
12. Abstract of Corrective Measures Recommended and Taken. ***

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date July 23 1993 Signed Georgia Power Company By [Signature]
Owner

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

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of GA and employed by **** of Hartford, CT have inspected the components described in this Owners' Data Report during the period 11/91 to 05/93 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' Data 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.

Date 26 JUL 1993
[Signature] Commissions Georgia-GA00115
Inspector's Signature National Board, State, Province, & No.

*** The following NIS-1 Form supplementary information and report includes the responses to NIS questions #10, #11, and #12.

**** Hartford Steam Boiler Inspection and Insurance Company.

NIS-1 Form Supplementary Information

Owner's Data Report
for
Inservice Inspection

Date: July 12, 1993

Owner Name & Address: Georgia Power Company
333 Piedmont Avenue, N.E.
P.O. Box 4545
Atlanta, Georgia 30302

Name & Address of Nuclear Generating Plant:

Edwin I. Hatch Nuclear Plant
Route 1, Box 278
Baxley, Georgia 31513

Name Assigned to Nuclear Plant Station:

Edwin I. Hatch Nuclear Plant
Unit 1

Commercial Service Date: December 31, 1975

Gross Generating Capability:

2436 MWt, 813 MWe

State, Province, or Municipality Assigned Number: N/A

National Board Number Assigned by Manufacturer: N/A

System Pressure/Leakage Tests

<u>System</u>	<u>Class</u>	<u>Test Required</u>
Reactor Pressure Vessel and Associated Class 1 Piping and Components	1	1 Leakage
HPCI (1E41)	2	1 Hydrostatic
HPCI (1E41)	2	1 Hydrostatic *

* Pressure Test performed per ASME Section XI Code Case N-498

Pipe Support & Hanger Examination

Class 1

Core Spray System
Main Steam System
Residual Heat Removal System
Feedwater System
Reactor Recirculation System
Reactor Water Cleanup System
High Pressure Coolant Injection System
Reactor Core Isolation Cooling System

Class 2

High Pressure Coolant Injection System
Residual Heat Removal System
Reactor Core Isolation Cooling System
Main Steam Auxiliary System
Control Rod Drive System
Core Spray System
Main Steam System

Name & Address of Manufacturer of Components:

1. Reactor Pressure Vessel and Closure Head:
Combustion Engineering, Inc.
Chattanooga, TN
2. Piping (Classes 1, 2, and 3)
 - a. Pullman Power Products
Division of Pullman-Kellogg
Williamsport, PA
 - b. General Electric Company
San Jose, CA

Note: Piping purchased by General Electric and Pullman and installed by Pullman. Material certifications and manufacturer information are available for review in the Records Management Department at the Hatch Plant Site.

3. Piping Supports and Hangers (Classes 1, 2, and 3)
 - a. Bergen-Paterson Pipe Support Corporation
Laconia, NH
 - b. ITT Grinnell Corporation
Providence, Rhode Island
 - c. Pacific Scientific
Anaheim, CA
 - d. Liesega USA
Laconia, NH
4. Valves, Pumps, and Heat Exchangers
 - a. Crane
New York, NY
 - b. Wm. Powell Company
Cincinnati, OH
 - c. General Electric
San Jose, CA
 - d. Target Rock Corporation
East Farmingdale, NY

Date of Inservice Inspection:

March 1993 - May 1993

Completion Date of Inservice Inspection:

May 14, 1993

Name of Inspector: Donald R. Laakso (ANI/ANII)

Name & Mailing Address of Inspector's Employer:

The Hartford Steam Boiler Inspection and Insurance Company
200 Ashford Center - North
Suite 300
Atlanta, Georgia 30338

ABSTRACT

An Inservice Inspection of selected Class 1, 2 and 3 components at Georgia Power Company's Edwin I. Hatch Nuclear Plant Unit 1 was performed during the Spring 1993 Maintenance/Refueling Outage. The components were examined in accordance with the applicable ISI Outage Plan, including any changes made during the outage as approved by GPC.

Edwin I. Hatch Unit 1 is currently in the third period of the second 10-Year Inspection Interval. The required examinations are presently on schedule as specified in the Second Ten-Year Inspection Plan.

The nondestructive examinations were performed using VT, PT, MT and UT examination techniques. SNC personnel and their contractor GE, performed NDE of the selected welds and components. In addition, GE personnel performed the VT examination of selected RPV internal components. SNC, GE, or GPC NDE procedures were utilized for all ASME Section XI examinations. GE personnel were qualified to the applicable SNC procedures. EPRI qualified inspectors were utilized for all examinations involving IGSCC susceptible materials. GE procedures were used for mechanized ultrasonic examination and exams were performed by GE inspectors.

In addition to NDE testing of Class 1 and 2 welds and components, pressure testing, visual examination of Class 1 component internal surfaces and visual examination of pipe supports and hangers were also performed. Third party review (e.g. an ANII) was utilized for all examinations of ASME Section XI components.

Selected components were examined in accordance with GPC commitments to the following documents:

- Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, "Rules for Inservice Inspection of Nuclear Power Plant Components," 1980 Edition with Addenda through Winter 1981.
- United States Nuclear Regulatory Commission, Generic Letter 88-01, "NRC Position on IGSCC in BWR Austenitic Stainless Steel Piping" which invokes much of NUREG 0313, Revision 2, "Technical Report on Material Selection and Processing Guidelines for BWR Coolant Pressure Boundary Piping".
- United States Nuclear Regulatory Commission, Generic Letter 81-11, which modifies and invokes NUREG 0619, "BWR Feedwater Nozzle and Control Rod Drive Return Line Nozzle Cracking".
- United States Nuclear Regulatory Commission, I&E Bulletin 80-13 Visual Examination of Core Spray Spargers has been closed out via NUREG/CR-4523. The required bulletin actions have been performed satisfactorily and will be continued during every refueling outage.
- SNC "Inservice Inspection Outage Plan, Edwin I. Hatch Nuclear Plant, Unit 1 1993 Spring Refueling Outage."
- SNC "Second Ten-Year Examination Plan, Edwin I. Hatch Nuclear Plant Unit 1."
- United States Nuclear Regulatory Commission NUREG 0803, "Generic Safety Evaluation Report Regarding Integrity of BWR SCRAM System"

Representative samples of the following systems, comprised of selected Class 1, 2, and 3 components, were examined using various NDE techniques, in accordance with the above documents:

Class 1

Reactor Pressure Vessel (1B11)
Main Steam System (1B21)
Feedwater System (1B21)
Reactor Recirculation System (1B31)
Control Rod Drive System (1C11)
Standby Liquid Control System (1C41)
Residual Heat Removal System (1E11)
Core Spray System (1E21)
High Pressure Coolant Injection System (1E41)
Reactor Core Isolation Cooling System (1E51)
Reactor Water Cleanup System (1G31)

Class 2

Standby Liquid Control System (1C41)
Residual Heat Removal System (1E11)
Core Spray System (1E21)
High Pressure Coolant Injection System (1E41)
Reactor Water Cleanup System (1G31)
Reactor Core Isolation Cooling System (1E51)
Main Steam Auxiliary System (1N11)

Other - Augmented (Non ASME Section XI)

UT thickness measurements were performed on selected components in the Extraction Steam and Condensate Feedwater Piping Systems. A portion of these components were selected due to their similarity in design and operating conditions to components involved with the "Surry pipe break incident".

Seven (7) Non-Safety RWCU System welds were examined using ultrasonic examinations techniques (UT) due to commitments made by GPC. These augmented exams are not required by the ASME Section XI Code but were performed due to commitments to GL 88-01.

CLASS 1 EXAMINATIONS

NUREG 0313

GPC is committed to the performance of surface and volumetric examinations on IGSCC susceptible welds in accordance with NUREG 0313. This commitment is formalized in GPC response to NRC Generic Letter 88-01. The below listed summary gives the total number of exams performed by outage end.

Category A

Fifty-four (54) Category A welds were examined. Fifty-three (53) of these welds were examined using UT and PT techniques and the remaining one (1) was examined using PT techniques only. No indications were found that exceeded Code allowable limits.

Category C

Twenty (20) Category C welds were examined using UT and PT techniques and the remaining fourteen (14) welds were examined using UT techniques only. No indications were found that exceeded Code allowable limits.

Category D

Eleven (11) Category D welds were examined using UT and PT techniques. No indications were found that exceeded Code allowable limits.

Five (5) RINTSA welds were examined by UT and no indications were found that exceeded Code allowable limits.

Category E

Twenty-six (26) Category E (overlayed) welds were examined by UT NDE techniques. UT examinations revealed interbead lack of fusion indications that had not been previously recorded in five of the twenty-six overlays examined. All results for new indications were evaluated by Structural Integrity Associates, Inc. and found to be acceptable for continued service.

Mechanical Stress Improvement Process (MSIP)

Eleven (11) Category D welds in Nozzle to safe-end assemblies and eighteen (18) Category A welds in RWCU system piping were treated with MSIP. PT and automated UT techniques were applied before and after application of MSIP on the 11 nozzle to safe-end welds. These 11 Category D welds are now considered to be Category C welds and will be examined as such in the future. PT and manual UT techniques were applied after application of MSIP on the 18 RWCU system welds, and will be examined according to the inspection schedule for Category A welds in future outages.

Other Class 1 Examinations

Eighty (80) ASME Section XI component examinations were performed utilizing UT, MT, PT and VT as applicable. These examinations included; RPV welds, piping welds, valve internals, and valve bolting materials.

Per I&E Bulletin 80-13, the core spray sparger and associated piping were VT examined. No reportable indications were detected.

Per ASME Section XI, selected RPV internals were examined. These examinations included portions of the vessel interior, interior attachments beyond the belt line region and RPV internal components. See the In-vessel Inspection section of this report for more detailed information.

Nine (9) Class 1 valves were disassembled for maintenance/inspection during the outage. The internals of these valves were VT inspected by GPC QC and SNC personnel. One of the valves exhibited unacceptable conditions relevant to the visual examination and was repaired and reinspected satisfactorily.

Twenty (20) CRD's were replaced during the outage which facilitated visual examination (VT-1) of the bolts, studs, and nuts.

Per SIL 433, all Shroud Head Bolts were examined. Indications of cracking were recorded in seven of these bolts. All seven indications were evaluated by General Electric and found to be acceptable for continued service.

Class II Examinations

Twenty-six (26) welds were examined using surface and/or volumetric NDE techniques as applicable. Two (2) of these welds were examined per NUREG 0619 (UT only), three (3) examinations were for the GPC augmented examination commitments (MT only), one (1) examination was for NUREG-0803 (MT only) and the remaining twenty (20) examinations were per ASME Section XI requirements.

An unacceptable linear indication was found in one (1) weld and was repaired by controlled grinding.

Pressure Testing

Two (2) Class 2 hydrostatic tests and one (1) Class 1 system leakage test were all performed satisfactorily. Pressure Test Section of this Report provides specific test identification and details.

Augmented Examinations

Seven (7) welds in the non-safety portion of the RWCU System were examined by UT per a GPC commitment to the NRC for NUREG 0313 Rev. 2 augmented requirements. No reportable indications were detected.

Pipe Support Examinations (Class 1 and 2)

Thirty-seven (37) pipe supports were VT examined per the requirements of ASME Section XI during the outage. No unacceptable indications were reported.

Equipment Support Examinations (Class 1 and 2)

Ten (10) equipment supports were VT examined per the requirements of ASME Section XI during the outage. No unacceptable indications were reported.

Snubber Examinations (Class 1 and 2)

Two hundred thirty-eight (238) snubbers were VT examined per GPC QC procedures. All of the snubbers were determined to be acceptable.

Repairs and Replacements (Class 1 and 2)

Numerous repair/replacement activities were performed prior to and during the outage. An itemized list of the repair/replacement activities is included in the Repair/Replacement Section of this report.

Reportable Indications

Following is an itemized list of all welds and components which were reported with indications or were considered unacceptable. All of these items were either repaired and/or evaluated and then determined to be acceptable.

Summary of Indications

Identification	Indication	Corrective Action
Support 1E11-RHRH-109	Improper spring can setting	Reset spring can MWO 1-93-1385
Support 1P41-ISH-75	Improper spring can setting	Acceptable as is per SCS engineering guidelines
Valve Bolting 1B21-F013H	Loose nuts	Tightened nuts MWO 1-93-2197
Weld 1E11-2RHR-20A-PD-C-4	0.8" linear indication	Indication removed MWO 1-93-1537
Shroud Head Bolts #15, #17, #19, #22, #30, #32, and #34	Crack indications	Acceptable for continued operation per GE
Component 1-CF-39	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-CF-37	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-1R5-2	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-5HD-1	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-2R5-6	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-5HD-3	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Weld 1E11-1RHR-20B-D-3	.374" interbead lack of fusion indication	Acceptable for continued operation per SIAI
Component 1-8E-9	Erosion/Corrosion point below required level	Repaired *MWO 1-93-2113

Identification	Indication	Corrective Action
Component 1-5HD-2	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-12E-5	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-8E-8	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-2R5-4	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-10E-16	Erosion/Corrosion point below required level	Replaced *MWO 1-93-5003 *MWO 1-93-2112
Weld N3D (N-SH)	UT indication	Acceptable for continued operation per GE
Weld Overlay 1B31-1RC-28B-4	Interbead lack of fusion indications	Acceptable for continued operation per SIAI
Weld Overlay 1B31-1RC-12AR-K-2	.29" interbead lack of fusion indication	Acceptable for continued operation per SIAI
Steam Dryer Vertical Vane Bank Welds K-11	6 crack-like indications	Acceptable for continued operation per GE
Weld Overlay 1B31-1RC-12BR-D-2	Interbead lack of fusion indication	Acceptable for continued operation per SIAI
Component 1-10E-23	Erosion/Corrosion point below required level	Repaired *MWO 1-93-2112
Component 1-8E-9S	Erosion/Corrosion point below required level	Repaired *MWO 1-93-2113

Identification	Indication	Corrective Action
Component 1-10E-2	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-10E-17	Erosion/Corrosion point below required level	Repaired *MWO 1-93-2112
Component 1-8E-10	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-10E-22	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-10E-13	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-M2R-2	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-8E-11	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-10E-1	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC
Component 1-5HD-2A	Erosion/Corrosion point below required level	Acceptable for continued operation per SNC

* These MWOs did not require initial/final ANII review.

The following sections contain a summary of the NDE Examinations performed, provide additional information and provide the results of those examinations.

SUMMARY
OF
CLASS 1 EXAMINATIONS

Visual Examination of Class 1
CRD Bolting

ASME Section XI requires examination of the CRD components (bolts, studs and nuts) whenever the housings are disassembled. Twenty (20) CRDs were replaced during the outage which facilitated visual examination (VT-1) of the bolts, studs and nuts. The subject examinations were performed by GPC QC personnel in conjunction with the CRD maintenance/replacement activities. Listed below are the CRDs which were examined. All of these CRDs were replaced per MWO 1-92-6959.

50-19	38-07
34-03	30-11
18-15	06-11
02-27	14-47
10-31	26-43
42-23	26-19
22-07	10-15
30-47	38-23
34-19	14-07
10-07	30-31

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV EXAMINATIONS</u>							
B1.22 B-A ASME	A-1A/02	BHT-E BOTTOM HEAD TORUS MERIDIONAL WELD	UT-H-410/05	119-H	S93H1U328 S93H1C161 S93H1U329 S93H1C162 S93H1U330 S93H1C163	NR1 UT CAL NR1 UT CAL NR1 UT CAL	
B8.10 B-H ASME	A-1A/02	C-6 (270-0) SUPPORT SKIRT-N2H (270 DEGREE) TO N1A (0 DEGREE) C. W.	MT-H-500/05 UT-H-410/05	61-H	S93H1M043 S93H1U265 S93H1C234	NR1 NR1 UT CAL	EXAMINED FROM OD ONLY. UT TO THE EXTENT POSSIBLE. SEE RELIEF REQUEST 2.1.5.
B1.40 B-A ASME	A-2/03	HC-2 (34-1) CLOSURE HEAD-TO-FLG CENTERLINE STUD 34 TO STUD 1 (CW)	MT-H-500/05 UT-H-410/05	64-H	S93H1M045 S93H1U271 S93H1C239 S93H1U278 S93H1C246 S93H1U279 S93H1C247	NR1 NR1 UT CAL NR1 UT CAL NR1 UT CAL	
B3. 90 B-D ASME	A-1/04	N2C (N-SH) B LOOP RECIRCULATION INLET NOZZ TO SHELL	UT-H-410/05	61-H	S93H1U295 S93H1C258 S93H1U293 S93H1C256 S93H1U291 S93H1C254	NR1 UT CAL NR1 UT CAL NR1 UT CAL	ONE-SIDED EXAM DUE TO NOZZLE. LIMITED EXAM DUE TO INSULATION RING. 74% COVERAGE.
B3. 90 B-D ASME	A-1/04	N2F (N-SH) A LOOP RECIRCULATION INLET NOZZ TO SHELL	UT-H-410/05	61-H	S93H1U296 S93H1C259 S93H1U294 S93H1C257 S93H1U290 S93H1C253	NR1 UT CAL NR1 UT CAL NR1 UT CAL	ONE SIDED EXAM DUE TO NOZZLE. LIMITED EXAM DUE TO INSULATION RING. 74% COVERAGE.
-- -- NUREG-03130	-	N2F (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S93H1U207 S93H1C130	RI GEOMETRY UT CAL	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV EXAMINATIONS</u>							
-- -- NUREG-0313D	-	N2G (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S93H1U206 S93H1C129	RI GEOMETRY UT CAL	
-- -- NUREG-0313D	-	N2H (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S93H1U208 S93H1C131	NR1 UT CAL	
B3. 90 B-D ASME	A-1/04	N2J (N-SH) A LOOP RECIRCULATION INLET NOZZ TO SHELL	UT-H-410/05	61-H	S93H1U297 S93H1C260 S93H1U292 S93H1C255 S93H1U289 S93H1C252	NR1 UT CAL NR1 UT CAL RI GEOMETRY UT CAL	ONE-SIDED EXAM DUE TO NOZZLE. LIMITED EXAM DUE TO INSULATION RING. 74% COVERAGE.
-- -- NUREG-0313D	-	N2J (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S93H1U209 S93H1C132	RI GEOMETRY UT CAL	
-- -- NUREG-0313D	-	N2K (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S93H1U210 S93H1C133	RI GEOMETRY UT CAL	
B3.100 B-D ASME	A-1/04	N3C (1R) C LOOP MAIN STEAM	GE-UT-401/3	61-H PB2-1R	35 33 36 37 40 38	NR1 UT CAL NR1 UT CAL NR1 UT CAL	
B3. 90 B-D ASME	A-1/04	N3C (N-SH) C LOOP MAIN STEAM	GE-UT-400/0	62-H	38 34 37 35 39 36	NR1 UT CAL NR1 UT CAL NR1 UT CAL	EXAM LIMITED TO ONE SIDE DUE TO NOZZLE GEOMETRY. 25.8% COVERAGE

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV EXAMINATIONS</u>							
B3.100 B-D ASME	A-1/04	N3D (IR) D LOOP MAIN STEAM OUTLET NOZZLE IR	GE-UT-401/3	61-H PB2-1R	34 33 33 32	NRI UT CAL NRI UT CAL	
B3. 90 B-D ASME	A-1/04	N3D (N-SH) D LOOP MAIN STEAM OUTLET SHELL TO NOZZ	GE-UT-400/0 GE-UT-300/2	62-H	30 30 31 32 29 31 31 32 32 2010 1008 1009 2011 1010	RI UT CAL NRI NRI RI PLANAR FLAW UT CAL NRI NRI UT CAL RELOOK UT CAL UT CAL RELOOK UT CAL	LIMITED EXAM DUE TO NOZZLE GEOMETRY (ONE-SIDED EXAM). 73.6% COVERAGE. SEE INF 193H1008.
-- -- NUREG-0619	A-1/04	N4A (CYL BORE) STRAIGHT CYLINDRICAL BORE SECTION	GE-UT-402/0 GE-UT-303/1	61-H NIR	5 11 6 12	N1 UT CAL N1 UT CAL	
B3.100 B-D NUREG-0619	A-1/04	N4A (IR) A-A LOOP FEEDWATER INLET NOZZLE IR	GE-UT-402/0 GE-UT-303/1	61-H CTB	10 2007 14 1006 1007 9 2004 13 1004 1005	NRI NRI UT CAL UT CAL UT CAL NRI NRI UT CAL UT CAL UT CAL	ZONE 1 & 2A COVERAGE LIMITED DUE TO PROXIMITY OF NOZZLE N11A. 96.4% COVERAGE

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CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV EXAMINATIONS</u>							
B3.90 B-D ASME	A-1/04	N4A (N-SH)	GE-UT-400/0 GE-UT-300/2	62-H	12 17 11 15 13 16 2001 1003 1001 1002	NR1 UT CAL NR1 UT CAL NR1 UT CAL NR1 UT CAL UT CAL UT CAL	ONE-SIDED EXAM DUE TO NOZZLE GEOMETRY AND DUE TO PROXIMITY OF NOZZLE N11A. 46.6% COVERAGE
-- -- NUREG-0619	A-1/04	N4B (CYL BORE) STRAIGHT CYLINDRICAL BORE SECTION	GE-UT-402/0 GE-UT-303/1	61-H NIR	7 12 8 11	NR1 NR' UT CAL UT CAL	LIMITED EXAM DUE TO THERMOCOUPLES. 84.9% COVERAGE
B1.100 B-D NUREG-0619	A-1/04	N4B (IR) A-B LOOP FEEDWATER INLET NOZZLE IR	GE-UT-402/0 GE-UT-303/1	61-H CTB	22 23 23 24 2005 1004 1005 2008 1006 1007	NR1 NR1 UT CAL NR1 UT CAL UT CAL NR1 UT CAL UT CAL	GERIS IR EXAM LIMITED DUE TO PROXIMITY OF NOZZLE N9. 100% COVERAGE
B3.90 B-D ASME	A-1/04	N4B (N-SH)	GE-UT-400/0 GE-UT-300/2	62-H	15 18 16 15 19 14 16 2002 1003 1001 1002	NR1 NR1 UT CAL UT CAL NR1 UT CAL NR1 UT CAL UT CAL UT CAL	EXAM LIMITED TO ONE SIDE DUE TO NOZZLE GEOMETRY AND PROXIMITY OF NOZZLE N9. 52.8% COVERAGE

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CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
RPV EXAMINATIONS							
-- -- NUREG-0619	A-1/04	N4C (CYL BORE) STRAIGHT CYLINDRICAL BORE SECTION	GE-UT-402/0 GE-UT-303/1	61-H NIR	2 12 1 11 2006 1006 2009 1007	NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL	
B3.100 B-D NUREG-0619	A-1/04	N4C (IR) B-C LOOP FEEDWATER INLET NOZZLE IR	GE-UT-402/0 GE-UT-303/1	61-H CTB	20 23 21 24 2006 1004 1005 2009 1006 1007	NRI UT CAL NR: UT CAL NRI UT CAL UT CAL NRI UT CAL UT CAL	LIMITED EXAM DUE TO PROXIMITY OF NOZZLE N11B. 96.4% COVERAGE
B3.90 B-D ASME	A-1/04	N4C (N-SH) B-C LOOP FEEDWATER INLET NOZZ TO SHELL	GE-UT-400/0 GE-UT-300/2	62-H	18 18 17 19 19 20 2003 1003 1001 1002	NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL UT CAL UT CAL	EXAM LIMITED TO ONE SIDE DUE TO NOZZLE GEOMETRY AND DUE TO PROXIMITY OF NOZZLE N11B. 43.2% COVERAGE
-- -- NUREG-0619	A-1/04	N4D (CYL BORE) STRAIGHT CYLINDRICAL BORE SECTION	GE-UT-402/0	61-H NIR-1	3 12 4 11	NRI UT CAL NRI UT CAL	LIMITED EXAM DUE TO THERMOCOUPLES. 84.9% COVERAGE

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CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV EXAMINATIONS</u>							
B3.100 B-D NUREG-0619	A-1/04	N4D (IR) B-D LOOP FEEDWATER INLET NOZZLE IR	GE-UT-402/0	61-H CTB	24 25 25 26	NR1 UT CAL NR1 UT CAL	
B3.90 B-D ASME	A-1/04	N4D (N-SH) B-D LOOP FEEDWATER INLET NOZZ TO SHELL INLET NOZZLE D	GE-UT-400/0	62-H	26 27 27 28 28 29	NR1 UT CAL NR1 UT CAL NR1 UT CAL	EXAM LIMITED TO ONE SIDE DUE TO NOZZLE GEOMETRY. 34.9% COVERAGE
B3.90 B-D ASME	A-2/03	N7 MAIN STEAM VENT NOZZLE	UT-H-410/05	64-H	S93H1U272 S93H1C240 S93H1U280 S93H1C248 S93H1U281 S93H1C249	NR1 UT CAL NR1 UT CAL NR1 UT CAL	ONE-SIDED EXAM DUE TO NOZZLE. 75% COVERAGE.
B3.100 B-D ASME	A-2/03	N7 (IR) MAIN STEAM VENT NOZZLE IR	UT-H-480/04	64-H	S93H1U269 S93H1C238	NR1 UT CAL	
B3.100 B-D ASME	A-1/04	N8A (IR) A LOOP JET PUMP	UT-H-480/04	61-H	S93H1U239 S93H1C219	NR1 UT CAL	
B3.90 B-D ASME	A-1/04	N8A (N-SH) A LOOP JET PUMP	UT-H-410/05	61-H	S93H1U236 S93H1C216 S93H1U237 S93H1C217 S93H1U238 S93H1C218	NR1 UT CAL NR1 UT CAL NR1 UT CAL	NO EXAM UPSTREAM DUE TO NOZZLE CONFIGURATION. 76.5% COVERAGE.

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CLASS 1 COMPONENTS

<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
<u>RPV EXAMINATIONS</u>							
B3.100 B-D ASME	A-1/04	NBB (IR) B LOOP JET PUMP INSTRUMENT NOZZLE IR	UT-H-480/04	61-H	S93H1U258 S93H1C231	NR1 UT CAL	
B3.90 B-D ASME	A-1/04	NBB (N-SH) B LOOP JET PUMP INSTRUMENT NOZZLE TO SHELL	UT-H-410/05	61-H	S93H1U255 S93H1C228 S93H1U256 S93H1C229 S93H1U257 S93H1C230	NR1 UT CAL NR1 UT CAL NR1 UT CAL	NO EXAM UPSTREAM DUE TO NOZZLE CONFIGURATION, 76.5% COVERAGE.
B4.13 B-E ASME	A-1A/02	N10 (N-SH) RPV INSTRUMENTATION NOZZLE TO SHELL	VT-H-720/03		S93H1V205	SAT	
B6.10 B-G-1 ASME	A-2A/02	NUT-25 CLOSURE HEAD NUT	MT-H-501/04		S93H1M040	NR1	
B6.10 B-G-1 ASME	A-2A/02	NUT-26 CLOSURE HEAD NUT	MT-H-501/04		S93H1M040	NR1	
B6.10 B-G-1 ASME	A-2A/02	NUT-27 CLOSURE HEAD NUT	MT-H-501/04		S93H1M040	NR1	
B6.10 B-G-1 ASME	A-2A/02	NUT-28 CLOSURE HEAD NUT	MT-H-501/04		S93H1M040	NR1	
B6.10 B-G-1 ASME	A-2A/02	NUT-29 CLOSURE HEAD NUT	MT-H-501/04		S93H1M040	NR1	

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<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
<u>RPV EXAMINATIONS</u>							
B6.10 B-G-1 ASME	A-2A/02	NUT-30 CLOSURE HEAD NUT	MT-H-501/04		S93H1M040	NR1	
B6.50 B-G-1 ASME	A-2A/02	WASHER-25 CLOSURE HEAD WASHER	VT-H-710/03		S93H1V083	SAT	
B6.50 B-G-1 ASME	A-2A/02	WASHER-26 CLOSURE HEAD WASHER	VT-H-710/03		S93H1V083	SAT	
B6.50 B-G-1 ASME	A-2A/02	WASHER-27 CLOSURE HEAD WASHER	VT-H-710/03		S93H1V083	SAT	
B6.50 B-G-1 ASME	A-2A/02	WASHER-28 CLOSURE HEAD WASHER	VT-H-710/03		S93H1V083	SAT	
B6.50 B-G-1 ASME	A-2A/02	WASHER-29 CLOSURE HEAD WASHER	VT-H-710/03		S93H1V083	SAT	
B6.50 B-G-1 ASME	A-2A/02	WASHER-30 CLOSURE HEAD WASHER	VT-H-710/03		S93H1V083	SAT	

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV EXAMINATIONS</u>							
B15.10 B-P ASME	-	CLASS 1 (PT) PRESSURE RETAINING BOUNDARY LEAKAGE TEST	VT-H-720/03		S93H1V211 S93H1V212 S93H1V213 S93H1V214 S93H1V215 S93H1V216 S93H1V217 S93H1V218 S93H1V219 S93H1V220 S93H1V221 S93H1V222	SAT SAT SAT SAT SAT SAT SAT SAT SAT SAT SAT SAT	
B7.80 B-G-2 ASME	---	FLANGE BOLTING CRD HOUSING	GPC				
B6.50 B-G-1 NRC	A-3/02	LOCATION-1 THRU 20 THICKNESS MEASUREMENTS	UT-H-460/02	30-H	S93H1U285	SAT	THICKNESS
- - - - SIL-433	B-30/06	SHROUD HEAD BOLTS	UT-H-418/00	136-H	S93H1U054 S93H1C024	RI	UT CAL CRACK INDICATIONS. SEE INF # 193H1004. PER GE ASSESSMENT, CONTINUED OPERATION IS JUSTIFIED.
B1.21 B-A ASME	A-1A/02	C-7 BOTTOM HEAD TORUS TO BOTTOM HEAD DOME WELD	UT-H-410/05	119-H	S93H1U266 S93H1C235 S93H1U275 S93H1C243 S93H1U261 S93H1C233 S93H1U276 S93H1C244 S93H1U277 S93H1C245 S93H1U262 S93H1C232	NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL	ONE-SIDED EXAM DUE TO RPV SKIRT. REQUIRED VOLUME WAS SCANNED BY BOTH ANGLES. 100% COVERAGE.

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CLASS 1 COMPONENTS

<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
<u>FEEDWATER SYSTEM</u>							
B7.50 B-G-2 ASME	A-3/02	1B21-1CHSV-1FB FLANGE BOLTING ON CLOSURE HEAD VENT	VT-H-710/03		S93H1V088	SAT	
B9.11 B-J ASME	A-10/05	1B21-1FW-12AA-14 ELBOW TO PIPE	MT-H-500/05 UT-H-400/11	148-H	S93H1M033 S93H1U095 S93H1C057 S93H1U096	NR1 NR1	UT CAL THICKNESS
B9.11 B-J NUREG-0619	A-10/05	1B21-1FW-12AA-15 PIPE TO TRANSITION	MT-H-500/05 GE-UT-213/0	148-H	S93H1M024 DA-182 CA-197	NR1 RI	GEOMETRY UT CAL
B9.11 B-J NUREG-0619	A-10/05	1B21-1FW-12AA-16 TRANSITION PIECE	MT-H-500/05 GE-UT-213/0	148-H	S93H1M025 DA-181 CA-196	NR1 RI	GEOMETRY UT CAL
B9.11 B-J NUREG-0619	A-11/05	1B21-1FW-12AB-9 PIPE TO TRANSITION	MT-H-500/05 GE-UT-213/0	148-H	S93H1M030 DA-190 CA-208	NR1 RI	GEOMETRY UT CAL
B9.11 B-J NUREG-0619	A-11/05	1B21-1FW-12AB-10 TRANSITION PIECE	MT-H-500/05 GE-UT-213/0 UT-H-400/11	148-H	S93H1M031 S93H1U287 S93H1C251 DA-173 CA-186	NR1 NR1 RI	UT CAL GEOMETRY UT CAL
B9.11 B-J NUREG-0619	A-12/05	1B21-1FW-12BC-9 PIPE TO TRANSITION	MT-H-500/05 GE-UT-213/0	148-H	S93H1M027 DA-204 CA-224	NR1 RI	GEOMETRY UT CAL
B9.11 B-J NUREG-0619	A-12/05	1B21-1FW-12BC-10 TRANSITION PIECE TO	MT-H-500/05 GE-UT-213/0	148-H	S93H1M026 DA-177 CA-190	NR1 RI	GEOMETRY UT CAL

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CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>FEEDWATER SYSTEM</u>							
B9.11 B-J NUREG-0619	A-13/06	1B21-1FW-12BD-15 PIPE TO TRANSITION	MT-H-500/05 GE-UT-213/0	148-H	S93H1M028 DA-169 CA-180	NR1 R1 GEOMETRY UT CAL	
B9.11 B-J NUREG-0619	A-13/06	1B21-1FW-12BD-16 TRANSITION PIECE	MT-H-500/05 GE-UT-213/1 UT-H-400/11	148-H	S93H1M029 S93H1U286 S93H1C250 DA-168 CA-179	NR1 NR1 UT CAL GEOMETRY UT CAL	
B9.11 B-J ASME	A-8/08	1B21-1FW-18A-12 PIPE TO ELBOW	MT-H-500/05 UT-H-400/11	77-H	S93H1M036 S93H1U138 S93H1C083 S93H1U137 S93H1C082 S93H1U139	NR1 NR1 UT CAL NR1 UT CAL THICKNESS	
<u>MAIN STEAM SYSTEM</u>							
B9.11 B-J ASME	A-5/07	1B21-1MS-8B-BSR-2 PIPE TO FLANGE	MT-H-500/05 UT-H-400/11	5-H	S93H1M035 S93H1U142 S93H1C086 S93H1U141 S93H1C085 S93H1U140 S93H1C084 S93H1U143	NR1 NR1 UT CAL NR1 UT CAL GEOMETRY UT CAL THICKNESS	ONE-SIDED EXAM DUE TO FLANGE. 100% COVERAGE.
B9.11 B-J ASME	A-4/06	1B21-1MS-24A-8 ELBOW TO PIPE	MT-H-500/05 UT-H-400/11	147-H	S93H1M016 S93H1U028 S93H1C018 S93H1U034	NR1 NR1 UT CAL THICKNESS	
B10.10 B-k.1 ASME	A-4/06	1B21-1MS-24A-8PS-A-1 AND 2 DEVICE B21-HA2	MT-H-500/05		S93H1M018	NR1	

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>MAIN STEAM SYSTEM</u>							
B10.10 B-K-1 ASME	A-4/06	1B21-1MS-24A-8PS-B-1 AND 2 DEVICE B21-HA2	MT-H-500/05		S93H1M017	NRI	
B10.10 B-K-1 ASME	A-5A/02	1B21-1MS-24B-14SL-1 THRU 4 DEVICE B21-GB1	MT-H-500/05		S93H1M019	NRI	
B9.11 B-J ASME	A-6/07	1B21-1MS-24C-1 NOZZLE TO TRANSITION PIECE	MT-H-500/05 UT-H-400/11	152-H	S93H1M032 S93H1U097 S93H1C058 S93H1U098	NRI NRI UT CAL THICKNESS	
B9.32 B-J ASME	A-7/06	1B21-1MS-24D-8BC PIPE TO BC	MT-H-500/05		S93H1M034	NRI	
B9.11 B-J ASME	A-7A/02	1B21-1MS-24D-19 PIPE TO VALVE	MT-H-500/05 UT-H-400/11	147-H	S93H1M052 S93H1U318 S93H1C273 S93H1U317 S93H1C272	NRI NRI UT CAL GEOMETRY UT CAL	ONE-SIDED EXAM DUE TO VALVE CONFIGURATION. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
<u>RECIRC. SYSTEM</u>							
B5.10 B-F NUREG-0313D	A-39/00	1B31-1RC-4JP-A-1 (PRE-MSIP) N8A NOZZLE TO SAFE-END	UT-H-409/07	120-H	S93H1U181 121-H S93H1U182 S93H1C117 S93H1U183 S93H1C118 S93H1U184 S93H1C119 S93H1U185 S93H1C120	NRI S93H1C116 NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL	PRE-MSIP EXAMINATIONS. UT CAL REFERENCE CODE CASE N-461.

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CA BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
RECIRC. SYSTEM							
B5.10 B-F NUREG-03130	A-39/00	1831-1RC-4JP-A-1 (POST-MSIP) NBA NOZZLE TO SAFE-END	PT-H-600/03 UT-H-409/07	120-H 121-H	S93H1P072 S93H1U224 S93H1C147 S93H1U221 S93H1C144 S93H1U223 S93H1C146 S93H1U222 S93H1C145 S93H1U220 S93H1C143	NRI NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL	POST MSIP EXAMINATIONS. REFERENCE CODE CASE N-461
B9.11 B-J NUREG-03130	A-39/00	1831-1RC-4JP-A-2 (PRE-MSIP) SAFE-END TO PENETRATION SEAL	UT-H-400/11	80-H	S93H1U187 S93H1C122 S93H1U186 S93H1C121	NRI UT CAL NRI UT CAL	PRE-MSIP EXAMINATIONS. REFERENCE CODE CASE N-461
B9.11 B-J NUREG-03130	A-39/00	1831-1RC-4JP-A-2 (POST-MSIP) SAFE-END TO PENETRATION SEAL	PT-H-600/03 UT-H-400/11	80-H	S93H1P073 S93H1U212 S93H1C135 S93H1U211 S93H1C134	NRI NRI UT CAL NRI UT CAL	POST MSIP EXAMINATIONS. REFERENCE CODE CASE N-461
B5.10 B-F NUREG-03130	A-39/00	1831-1RC-4JP-B-1 (PRE-MSIP) NBB NOZZLE TO SAFE-END	UT-H-409/07	120-H 121-H	S93H1U164 S93H1C098 S93H1U165 S93H1C099 S93H1U166 S93H1C100 S93H1U167 S93H1C101 S93H1U168 S93H1C102	NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL	PRE-MSIP EXAMINATIONS. REFERENCE CODE CASE N-461

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<u>RECIRC. SYSTEM</u>							
B5.10 B-F NUREG-0313D	A-39/00	1B31-1RC-4JP-B-1 (POST-MSIP) N8B NOZZLE TO SAFE-END	PT-H-600/03 UT-H-409/07	120-H 121-H	S93H1P074 S93H1U215 S93H1C138 S93H1U218 S93H1C141 S93H1U216 S93H1C139 S93H1U217 S93H1C140 S93H1U219 S93H1C142	NRI NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL	POST MSIP EXAMINATIONS. REFERENCE CODE CASE N-461.
B9.11 B-J NUREG-0313D	A-39/00	1B31-1RC-4JP-B-2 (PRE-MSIP) SAFE-END TO PENETRATION SEAL	UT-H-400/11	80-H	S93H1U188 S93H1C123 S93H1U189 S93H1C124	NRI UT CAL NRI UT CAL	PRE-MSIP EXAMINATIONS. REFERENCE CODE CASE N-461.
B9.11 B-J NUREG-0313D	A-39/00	1B31-1RC-4JP-B-2 (POST-MSIP) SAFE-END TO PENETRATION SEAL	PT-H-600/03 UT-H-400/11	80-H	S93H1P075 S93H1U214 S93H1C137 S93H1U213 S93H1C136	NRI NRI UT CAL NRI UT CAL	POST-MSIP EXAMINATIONS. REFERENCE CODE CASE N-461.
B9.11 B-J NUREG-0313E	A-18/04	1B31-1RC-12AR-F-2 PIPE TO ELBOW OVERLAY	GE-UT-212/1	134-H	DA-151 CA-157 DA-152 CA-158	NRI UT CAL NRI UT CAL	
B9.11 B-J NUREG-0313E	A-18/04	1B31-1RC-12AR-F-3 ELBOW TO PIPE OVERLAY	UT-H-408/04	134-H	DA-133 CA-139 DA-134 CA-140	NRI UT CAL NRI UT CAL	
B9.11 B-J NUREG-0313E	A-18/04	1B31-1RC-12AR-F-4 PIPE TO SAFE-END OVERLAY	GE-UT-212/1	134-H	DA-139 CA-145 DA-140 CA-146	NRI UT CAL NRI UT CAL	

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<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
<u>RECIRC. SYSTEM</u>							
B9.11 B-J NUREG-0313E	A-18/04	1831-1RC-12AR-G-3 ELBOW TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-115 CA-117 DA-116 CA-118	NR1 UT CAL NR1 UT CAL	
B9.11 B-J NUREG-0313E	A-18/04	1831-1RC-12AR-G-4 PIPE TO SAFE-END OVERLAY	GE-UT-212/1	134-H	DA-141 CA-147 DA-142 CA-148	NR1 UT CAL NR1 UT CAL	
B5.10 B-F NUREG-0313C	A-18/04	1831-1RC-12AR-G-5 SAFE-END TO NOZZLE	PT-H-600/03 GE-UT-209/1	85-H 31-H	S93H1P069 DA-170 CA-181 DA-171 CA-182 CA-183 DA-172 CA-184 CA-185	NR1 RI GEOMETRY UT CAL RI GEOMETRY UT CAL UT CAL RI GEOMETRY UT CAL UT CAL	
B9.11 B-J NUREG-0313E	A-18/04	1831-1RC-12AR-H-2 PIPE TO ELBOW OVERLAY	GE-UT-212/1	134-H	DA-166 CA-177 DA-167 CA-178	NR1 UT CAL NR1 UT CAL	
B9.11 B-J NUREG-0313E	A-18/04	1831-1RC-12AR-H-3 ELBOW TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-104 CA-104 DA-105 CA-105 S93H1U241	NR1 UT CAL NR1 UT CAL WELD PROFILE	
B9.11 B-J NUREG-0313E	A-18/04	1831-1RC-12AR-H-4 PIPE TO SAFE-END OVERLAY	GE-UT-212/1	134-H	DA-143 CA-149 DA-144 CA-150	NR1 UT CAL NR1 UT CAL	

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RECIRC. SYSTEM</u>							
B5.10 B-F NUREG-0313C	A-18/04	1B31-1RC-12AR-H-5 SAFE-END TO NOZZLE	PT-H-600/03 GE-UT-209/1	85-H 31-H	S93H1P076 DA-163 CA-172 DA-164 CA-173 CA-174 DA-165 CA-175 CA-176	NR1 RI GEOMETRY UT CAL RI GEOMETRY UT CAL UT CAL RI GEOMETRY UT CAL UT CAL	
B9.11 B-J NUREG-0313E	A-18/04	1B31-1RC-12AR-J-3 ELBOW TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-106 CA-106 DA-107 CA-107 S93H1U240	RI UT CAL NR1 UT CAL WELD PROFILE	PREVIOUSLY RECORDED INDICATION NO APPARENT GROWTH.
B9.11 B-J NUREG-0313C	A-18/04	1B31-1RC-12AR-J-4 PIPE TO SAFE-END	PT-H-600/03 GE-UT-208/1	17-H	S93H1P071 DA-147 CA-153 DA-148 CA-154	NR1 NR1 UT CAL NR1 UT CAL	ONE-SIDED EXAM DUE TO SAFE-END TAPER. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
B5.10 B-F NUREG-0313C	A-18/04	1B31-1RC-12AR-J-5 SAFE-END TO NOZZLE	PT-H-600/03 GE-UT-209/1	85-H 31-H	S93H1P070 DA-178 CA-191 DA-179 CA-192 CA-193 DA-180 CA-194 CA-195	NR1 RI GEOMETRY UT CAL RI GEOMETRY UT CAL UT CAL RI GEOMETRY UT CAL UT CAL	
B9.11 B-J NUREG-0313E	A-18/04	1B31-1RC-12AR-K-2 PIPE TO ELBOW OVERLAY	GE-UT-212/1	134-H	DA-149 CA-155 DA-150 CA-156	RI NON-GEOMETRIC UT CAL NR1 UT CAL	0.29" INDICATION. INTERBEAD LACK OF FUSION. SEE INF 193H1010.

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CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RECIRC. SYSTEM</u>							
B9.11 B-J NUREG-0313E	A-18/04	1B31-1RC-12AR-K-3 ELBOW TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-108 CA-108 DA-109 CA-109	NRI UT CAL NRI UT CAL	
B9.11 B-J NUREG-0313C	A-19/04	1B31-1RC-12BR-C-1 REDUCER TO PIPE	PT-H-600/03 UT-H-400/11	17-H	S93H1P015 S93H1U325 S93H1C160 S93H1U324 S93H1C159 S93H1U326	NRI NRI UT CAL NRI UT CAL THICKNESS	ONE-SIDED EXAM DUE TO REDUCER CONFIGURATION. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
B9.11 B-J NUREG-0313C	A-19/04	1B31-1RC-12BR-D-1 B-C TO PIPE	PT-H-600/03 UT-H-400/11	17-H	S93H1P001 S93H1U319 S93H1C155 S93H1U320 S93H1C156 S93H1U348	NRI NRI UT CAL NRI UT CAL THICKNESS	ONE-SIDED EXAM DUE TO B-C GEOMETRY. CODE COVERAGE FROM THE PIPE SIDE. 100% COVERAGE.
B9.12 B-J NUREG-0313A	A-19/04	1B31-1RC-12BR-D-1LD LONGITUDINAL SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	17-H	S93H1P027 S93H1U063 S93H1C030	NRI NRI UT CAL	
B9.11 B-J NUREG-0313E	A-19/04	1B31-1RC-12BR-D-2 PIPE TO ELBOW OVERLAY	UT-H-408/04 GE-UT-212/1	134-H	DA-198 CA-218 DA-199 CA-219 S93H1U335 S93H1C165	RI NON-GEOMETRIC UT CAL NRI UT CAL NRI UT CAL	INTERBEAD LACK OF FUSION. SEE INF 193H1013.
B9.11 B-J NUREG-0313E	A-19/04	1B31-1RC-12BR-D-3 ELBOW TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-188 CA-206 DA-189 CA-207	NRI UT CAL NRI UT CAL	

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CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RECIRC. SYSTEM</u>							
B9.11 B-J NUREG-0313C	A-19/04	1831-1RC-12BR-D-4 PIPE TO SAFE-END	PT-H-600/03 GE-UT-208/1 UT-H-400/11	17-H	S93H1P068 DA-193 CA-211 DA-194 S93H1U334 S93H1C164	NRI RI UT CAL NR NR UT CAL	
B5.10 B-F NUREG-0313C	A-19/04	1831-1RC-12BR-D-5 SAFE-END TO NOZZLE	PT-H-600/03 GE-UT-209/1	85-H 31-H	S93H1P090 DA-195 CA-213 DA-196 CA-214 CA-215 DA-197 CA-216 CA-217	RI RI UT CAL RI GEOMETRY UT CAL UT CAL UT CAL UT CAL UT CAL	PREVIOUS INDICATION. NO CHANGE.
B9.11 B-J NUREG-0313C	A-19/04	1831-1RC-12BR-E-1 B-C TO PIPE	PT-H-600/03 UT-H-400/11	17-H	S93H1P003 S93H1U322 S93H1C158 S93H1U321 S93H1C157 S93H1U323	NRI NR UT CAL NR UT CAL THICKNESS	ONE-SIDED EXAM DUE TO B-C CONFIGURATION. CODE COVERAGE FROM THE PIPE SIDE. 100% COVERAGE.
B9.11 B-J NUREG-0313E	A-17/04	1831-1RC-22BM-1 CAP TO PIPE OVERLAY	UT-H-408/04	134-H	S93H1U012 S93H1C008	NRI UT CAL	
B9.31 B-J NUREG-0313C	A-17/04	1831-1RC-22BM-18C-1 PIPE TO B-C	PT-H-600/03 UT-H-400/11	47-H	S93H1P002 S93H1U013 S93H1C009	NRI NR UT CAL	
B9.31 B-J NUREG-0313C	A-17/04	1831-1RC-22BM-18C-2 PIPE TO B-C	PT-H-600/03 UT-H-400/11	47-H	S93H1P004 S93H1U014 S93H1C010	NRI NR UT CAL	
B10.10 B-K-1 NUREG-0313L	A-17/04	1831-1RC-22BM-1HL-A-1 AND 2 DEVICE B31-HB4	PT-H-600/03		S93H1P031	NRI	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RECIRC. SYSTEM</u>							
B10.10 B-K-1 NUREG-0313L	A-17/04	1B31-1RC-22BM-1HL-B-1 AND 2 DEVICE B31-HB4	PT-H-600/03		S93H1P030	NRI	
B9.11 B-J NUREG-0313C	A-17/04	1B31-1RC-22BM-2 PIPE TO CROSS	PT-H-600/03 UT-H-400/11	47-H	S93H1P013 S93H1U022 S93H1C014 S93H1U023 S93H1C011	NRI NRI UT CAL NRI UT CAL	ONE-SIDED VOLUMETRIC EXAMINATION DUE TO CROSS.
B9.11 B-J NUREG-0313C	A-17/04	1B31-1RC-22BM-3 CROSS TO PIPE	PT-H-600/03 UT-H-400/11	47-H	S93H1P014 S93H1U024 S93H1C015 S93H1U025 S93H1C012	NRI NRI UT CAL NRI UT CAL	ONE-SIDED EXAM DUE TO CONFIGURATION OF CROSS.
B9.31 B-J NUREG-0313C	A-17/04	1B31-1RC-22BM-3C-1 PIPE TO B-C	PT-H-600/03 UT-H-400/11	47-H	S93H1P005 S93H1U021 S93H1C013	NRI NRI UT CAL	
B9.31 B-J NUREG-0313C	A-17/04	1B31-1RC-22BM-3BC-2 PIPE TO B-C	PT-H-600/03 UT-H-400/11	47-H	S93H1P083 S93H1U230 S93H1C153 S93H1U231 S93H1C154	NRI NRI UT CAL NRI UT CAL	
B9.11 B-J NUREG-0313E	A-17/04	1B31-1RC-22BM-4 PIPE TO CAP OVERLAY	UT-H-408/04	134-H	S93H1U235 S93H1C215	RI UT CAL	PREVIOUSLY RECORDED INDICATION NO APPARENT CHANGE.
B9.11 B-J NUREG-0313C	A-14/05	1B31-1RC-28A-3 PIPE TO ELBOW	PT-H-600/03 GE-UT-208/1	151-H	S93H1P006 DA-101 CA-101	NRI RI GEOMETRY UT CAL	REFERENCE CODE CASE N-461.
B9.11 B-J NUREG-0313E	A-14/05	1B31-1RC-28A-4 ELBOW TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-102 CA-102 DA-103 CA-103	NRI UT CAL NRI UT CAL	

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CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RECIRC. SYSTEM</u>							
B9.11 B-J NUREG-0313E	A-15/05	1B31-1RC-28B-3 PIPE TO ELBOW OVERLAY	UT-H-408/04	134-H	DA-137 CA-143 DA-138 CA-144	NR1 NR1 UT CAL UT CAL	
B9.11 B-J NUREG-0313E	A-15/05	1B31-1RC-28B-4 ELBOW TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-145 CA-151 DA-146 CA-152	RI RI NON-GEOMETRIC UT CAL NON-GEOMETRIC UT CAL	INTERBEAD LACK OF FUSION INDICATIONS. SEE INF 193H1009.
B9.11 B-J NUREG-0313C	A-15/05	1B31-1RC-28B-5 PIPE TO TEE	PT-H-600/03 GE-UT-208/1	151-H	S93H1P012 DA-191 CA-209 DA-192 CA-210	NR1 NR1 RI UT CAL GEOMETRY UT CAL	ONE-SIDED EXAM DUE TO TEE CONFIGURATION. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
B9.11 B-J NUREG-0313C	A-15/05	1B31-1RC-28B-6 TEE TO PIPE	PT-H-600/03 GE-UT-208/1	151-H	S93H1P026 DA-186 CA-204 DA-187 CA-205	NR1 RI RI GEOMETRY UT CAL GEOMETRY UT CAL	ONE-SIDED EXAM DUE TO TEE CONFIGURATION. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
B9.12 B-J NUREG-0313A	A-15/05	1B31-1RC-28B-6LD LONGITUDINAL SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	151-H	S93H1P011 S93H1U051 S93H1C023	NR1 NR1 UT CAL	
B10.10 B-K-1 NUREG-0313L	A-15/05	1B31-1RC-28B-6HL-1 THRU 4 DEVICE B31-HB1	PT-H-600/03		S93H1P091	NR1	LIMITED EXAM DUE TO SUPPORT AND WHIP RESTRAINT INTERFERENCE. 77% COVERAGE.
B9.11 B-J NUREG-0313C	A-15/05	1B31-1RC-28B-7 PIPE TO ELBOW	PT-H-600/03 GE-UT-208/1	151-H	S93H1P007 DA-110 CA-110	NR1 RI GEOMETRY UT CAL	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RECIRC. SYSTEM</u>							
B9.12 B-J NUREG-0313A	A-15/05	1B31-1RC-28B-7LD-1 LONGITUDINAL WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	151-H	S93H1P008 S93H1U049 S93H1C021	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-15/05	1B31-1RC-28B-7LD-0 LONGITUDINAL WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	151-H	S93H1P009 S93H1U048 S93H1C020	NR1 NR1 UT CAL	
B9.11 B-J NUREG-0313E	A-15/05	1B31-1RC-28B-10 PIPE TO ELBOW OVERLAY	GE-UT-212/1 UT-H-408/04	134-H	DA-202 CA-222 DA-203 CA-223 S93H1U298 S93H1C261	NR1 NR1 NR1 NR1 NR1 UT CAL UT CAL UT CAL	
B9.11 B-J NUREG-0313E	A-15/05	1B31-1RC-28B-11 ELBOW TO PUMP OVERLAY	UT-H-408/04	134-H	S93H1U073 S93H1C040	NR1 UT CAL	
B9.11 B-J NUREG-0313E	A-15B/02	1B31-1RC-28B-15 ELBOW TO PIPE OVERLAY	UT-H-408/04	134-H	S93H1U301 S93H1C262	RI UT CAL	PREVIOUSLY RECORDED INDICATION. NO CHANGE FROM PAST DATA.
B10.20 B-K-1 ASME	A-20/03	RC-B PUMP LUG-2A1 RESTRAINT LUG	PT-H-600/03		S93H1P081	NR1	
B10.20 B-K-1 ASME	A-20/03	RC-B PUMP LUG-2A2 RESTRAINT LUG	PT-H-600/03		S93H1P080	NR1	
B10.20 B-K-1 ASME	A-20/03	RC-B PUMP LUG-2B1 RESTRAINT LUG	PT-H-600/03		S93H1P079	NR1	

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<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
<u>RECIRC. SYSTEM</u>							
B10.20 B-X-1 ASME	A-20/03	RC-B PUMP LUG-2B2 RESTRAINT LUG	PT-H-600/03		S93H1P082	NRI	
<u>CONTROL ROD DRIVE SYSTEM</u>							
B5.10 B-F NUREG-03130	A-1/04	1C11-1CRD-3-R-18A (PRE-MSIP) CAP TO NOZZLE	PT-H-600/03 UT-H-409/07	97-H 120-H	S93H1U174 S93H1C108 S93H1U175 S93H1C109 S93H1U176 S93H1C111 S93H1U177 S93H1C110 S93H1U178 S93H1C112 S93H1U179 S93H1C113 S93H1U180 S93H1C114	NRI UT CAL NRI UT CAL NRI UT CAL NRI UT CAL RI UT CAL NRI UT CAL RI GEOMETRY UT CAL	PRE MSIP EXAMINATIONS. REFERENCE CODE CASE N-461.
B5.10 B-F NUREG-03130	A-1/04	1C11-1CRD-3-R-18A (POST-MSIP) CAP TO NOZZLE	PT-H-600/03 UT-H-409/07	97-H 120-H	S93H1P078 S93H1U225 S93H1C148 S93H1U226 S93H1C149 S93H1U227 S93H1C150 S93H1U228 S93H1C151 S93H1U229 S93H1C152	NRI NRI UT CAL NRI UT CAL RI GEOMETRY UT CAL NRI UT CAL NRI UT CAL	POST MSIP EXAMINATIONS. REFERENCE CODE CASE N-461.
<u>RESIDUAL HEAT REMOVAL SYSTEM</u>							
B9.11 B-J NUREG-0313E	A-23/04	1E11-1RHR-20B-D-3 ELBOW TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-111 CA-111 DA-112 CA-112	NRI UT CAL RI NON-GEOMETRIC UT CAL	INTERBEAD LACK OF FUSION. SEE INF 193H1006.

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
RESIDUAL HEAT REMOVAL SYSTEM							
B9.11 B-J NUREG-0313E	A-23/04	1E11-1RHR-20B-D-4 PIPE TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-113 CA-113 DA-114 CA-115	NR1 UT CAL NR1 UT CAL	
B9.11 B-J NUREG-0313E	A-23/04	1E11-1RHR-20B-D-5 PIPE TO VALVE	GE-UT-212/1	135-H	DA-117 CA-114 DA-118 CA-116	NR1 UT CAL NR1 UT CAL	
B9.11 B-J ASME	A-22/05	1E11-1RHR-24B-R-6 ELBOW TO PIPE	MT-H-500/05 UT-H-400/11	152-H	S93H1M022 S93H1U061 S93H1C029 S93H1U062	NR1 NR1 UT CAL THICKNESS	
B9.11 B-J NUREG-0313E	A-22/05	1E11-1RHR-24B-R-12 VALVE TO PIPE OVERLAY	GE-UT-212/1	135-H	DA-207 CA-227 DA-208 CA-228	RI UT CAL NR1 UT CAL	PREVIOUSLY RECORDED INDICATION NO APPARENT CHANGE.
B9.11 B-J NUREG-0313E	A-22/05	1E11-1RHR-24B-R-13 PIPE TO PIPE OVERLAY	GE-UT-212/1	134-H	DA-205 CA-225 DA-206 CA-226	RI UT CAL NR1 UT CAL	PREVIOUSLY RECORDED INDICATION NO APPARENT CHANGE.
B9.11 B-J NUREG-0313C	A-22/05	1E11-1RHR-24B-R-14 PIPE TO TEE	PT-H-600/03 GE-UT-208/1	104-H	S93H1P029 DA-200 CA-220 DA-201 CA-221	NR1 NR1 UT CAL RI GEOMETRY UT CAL	ONE-SIDED EXAM DUE TO TEE CONFIGURATION. COD' COVERAGE FROM PIPE SIDE. 100% COVERAGE.
B9.12 B-J NUREG-0313A	A-22/05	1E11-1RHR-24B-R-14LU LONGITUDINAL SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	104-H	S93H1P023 S93H1U064 S93H1C031	NR1 NR1 UT CAL	

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>CORE SPRAY SYSTEM</u>							
B5.130 B-F NUREG-03130	A-26/05	1E21-1CS-10A-18A (PRE-MSIP) PIPE TO SAFE-END EXTENSION	GE-UT-208/1 UT-H-409/07	150-H 137-H	DA-135 CA-141 DA-136 CA-142 S93H1U160 S93H1C115	RI RI NRI UT CAL	PRE-MSIP EXAMINATIONS
B5.130 B-F NUREG-03130	A-26/05	1E21-1CS-10A-18A (POST-MSIP) PIPE TO SAFE-END EXTENSION	PT-H-600/03 GE-UT-208/1 UT-H-409/07	150-H 137-H	S93H1P087 DA-161 CA-170 DA-162 CA-171 S93H1U273 S93H1C241	NRI RI RI NRI UT CAL	POST-MSIP EXAMINATIONS
B9.11 B-J NUREG-03130	A-26/05	1E21-1CS-10A-19A (PRE-MSIP) SAFE-END EXTENSION TO SAFE-END	GE-UT-208/1	85-H	DA-127 CA-130 DA-128 CA-131 DA-129 CA-132	RI RI RI UT CAL	PRE-MSIP EXAMINATIONS
B9.11 B-J NUREG-03130	A-26/05	1E21-1CS-10A-19A (POST-MSIP) SAFE-END EXTENSION TO SAFE-END	PT-H-600/03 GE-UT-208/1	85-H	S93H1P089 DA-174 CA-187 DA-175 CA-188 DA-176 CA-189	NRI RI RI RI UT CAL	POST-MSIP EXAMINATIONS
B5.10 B-F NUREG-03130	A-26/05	1E21-1CS-10A-20A (PRE-MSIP) SAFE-END TO NOZZLE	GE-UT-109/A	108-H 85-H	DA-130 CA-133 CA-134 DA-131 CA-135 CA-136 DA-132 CA-137 CA-138	RI RI RI UT CAL	PRE-MSIP EXAMINATIONS.

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>CORE SPRAY SYSTEM</u>							
B5.10 B-F NUREG-03130	A-27/05	1E21-1CS-10A-20A (POST-MSIP) SAFE-END TO NOZZLE	PT-H-600/03 GE-UT-209/1	108-H 85-H	S93H1P088 DA-183 CA-198 CA-199 DA-184 CA-200 CA-201 DA-185 CA-202 CA-203	NR1 RI GEOMETRY UT CAL UT CAL RI GEOMETRY UT CAL UT CAL RI GEOMETRY UT CAL UT CAL	POST-MSIP EXAMINATIONS.
B9.11 B-J ASME	A-27/05	1E21-1CS-10B-3 ELBOW TO PIPE	MT-H-500/05 UT-H-400/11	137-H	S93H1M021 S93H1U055 S93H1C025 S93H1U060	NR1 NR1 UT CAL THICKNESS	
B5.130 B-F NUREG-03130	A-27/05	1E21-1CS-10B-19A (PRE-MSIP) PIPE TO SAFE-END EXTENSION	UT-H-409/07 GE-UT-108/1	150-H 137-H	DA-122 CA-125 DA-123 CA-126 S93H1U159 S93H1C097	NR1 RI UT CAL GEOMETRY UT CAL NR1 UT CAL	PRE-MSIP EXAMINATIONS
B5.130 B-F NUREG-03130	A-27/05	1E21-1CS-10B-19A (POST-MSIP) PIPE TO SAFE-END EXTENSION	PT-H-600/03 GE-UT-208/1 UT-H-409/07	150-H 137-H	S93H1P084 DA-156 CA-165 DA-157 CA-166 S93H1U274 S93H1C242	NR1 NR1 UT CAL RI GEOMETRY UT CAL NR1 UT CAL	POST-MSIP EXAMINATIONS.
B9.11 B-J NUREG-03130	A-27/05	1E21-1CS-10B-20A (PRE-MSIP) SAFE-END EXTENSION TO SAFE-END	GE-UT-208/1	85-H	DA-124 CA-127 DA-125 CA-128 DA-126 CA-129	RI RI GEOMETRY UT CAL UT CAL RI GEOMETRY UT CAL	PRE-MSIP EXAMINATIONS. REFERENCE CODE CASE N-461.

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>CORE SPRAY SYSTEM</u>							
B9.11 B-J NUREG-03130	A-27/05	1E21-1CS-10B-20A (POST-MSIP) SAFE-END EXTENSION TO SAFE-END	PT-H-600/03 GE-UT-208/1	85-H	S93H1P085 DA-158 CA-167 DA-159 CA-168 DA-160 CA-169	NR1 RI UT CAL RI GEOMETRY UT CAL RI GEOMETRY UT CAL RI GEOMETRY UT CAL	POST-MSIP EXAMINATIONS. REFERENCE CODE CASE N-461.
B5.10 B-F NUREG-03130	A-27/05	1E21-1CS-10B-21A (PRE-MSIP) SAFE-END TO NOZZLE	GE-UT-209/1	108-H 85-H	DA-119 CA-119 CA-120 DA-120 CA-121 CA-122 DA-121 CA-123 CA-124	NR1 UT CAL UT CAL RI GEOMETRY UT CAL UT CAL RI GEOMETRY UT CAL UT CAL	PRE-MSIP EXAMINATIONS.
B5.10 B-F NUREG-03130	A-27/05	1E21-1CS-10B-21A (POST-MSIP) SAFE-END TO NOZZLE	PT-H-600/03 GE-UT-209/1	108-H 85-H	S93H1P086 DA-153 CA-159 DA-154 CA-160 CA-161 DA-155 CA-162 CA-163	NR1 RI GEOMETRY UT CAL RI GEOMETRY UT CAL UT CAL RI GEOMETRY UT CAL UT CAL	POST-MSIP EXAMINATIONS
<u>HIGH PRESSURE COOLANT INJECTION SYSTEM</u>							
B9.11 B-J ASME	A-28/05	1E41-1HPC1-10-D-12 PIPE TO TEE	MT-H-500/05 UT-H-400/11	137-H	S93H1M037 S93H1U267 S93H1C236 S93H1U268 S93H1C237	NR1 NI UT CAL NI UT CAL	

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ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR CORE ISOLATION COOLING SYSTEM</u>							
B9.11 B-J ASME	A-30/04	1E51-1RCIC-4-D-23 PIPE TO VALVE	MT-H-500/05 UT-H-400/11	7-H	S93H1M041 S93H1U252 S93H1C226 S93H1U253 S93H1C227 S93H1U254	NI NR1 R1 UT CAL GEOMETRY UT CAL THICKNESS	ONE-SIDED EXAM DUE TO VALVE. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-2 PIPE TO ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P032 S93H1U103 S93H1C063	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-2-1R LONG SEAM WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P033 S93H1U148 S93H1C091 S93H1U149	NR1 NR1 UT CAL THICKNESS	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-2-LU LONG SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P034 S93H1U154 S93H1C094 S93H1U130	NR1 NR1 UT CAL THICKNESS	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-2-OR LONG SEAM WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P035 S93H1U152 S93H1C093 S93H1U153	NR1 NR1 UT CAL THICKNESS	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-3 ELBOW TO PIPE	PT-H-600/03 UT-H-400/11	133-H	S93H1P036 S93H1U104 S93H1C064	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-3-LD LONG SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P037 S93H1U156 S93H1C095 S93H1U131	NR1 NR1 UT CAL THICKNESS	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-4 PIPE TO VALVE	PT-H-600/03 UT-H-400/11	133-H	S93H1P056 S93H1U116 S93H1C066 S93H1U135 S93H1C080	NRI NRI UT CAL NRI UT CAL	ONE-SIDED EXAM DUE TO VALVE. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-4-LU LONG SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P057 S93H1U117 S93H1C074	NRI NRI UT CAL	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-5 VALVE TO ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P058 S93H1U118 S93H1C075 S93H1U136 S93H1C081	NRI NRI UT CAL NRI UT CAL	ONE-SIDED EXAM DUE TO VALVE. 100% COVERAGE.
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-5-IR LONG SEAM WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P059 S93H1U119 S93H1C076	NRI NRI UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-5-OR LONG SEAM WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P060 S93H1U120 S93H1C077	NRI NRI UT CAL	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-6 ELBOW TO PIPE	PT-H-600/03 UT-H-400/11	133-H	S93H1P061 S93H1U115 S93H1C078	NRI NRI UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-6-LD LONG SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P067 S93H1U114 S93H1C079	NRI NRI UT CAL	
B9.32 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-6-BC-1 PIPE TO BRANCH CONNECTION	PT-H-600/03		S93H1P062	NRI	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-7 PIPE TO ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P063 S93H1U144 S93H1C087	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-7-1R LONG SEAM WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P064 S93H1U146 S93H1C090	NR1 RI N/A GEOMETRY UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-7-LU LONG SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P065 S93H1U145 S93H1C088	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-7-OR LONG SEAM WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P066 S93H1U147 S93H1C089	NR1 NR1 UT CAL	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-8 ELBOW TO PIPE	PT-H-600/03 UT-H-400/11	133-H	S93H1P038 S93H1U102 S93H1C062	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-8-LD LONG SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P039 S93H1U106 S93H1C067 S93H1U121	NR1 NR1 UT CAL THICKNESS	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-10 ELBOW TO PIPE	PT-H-600/03 UT-H-400/11	133-H	S93H1P040 S93H1U101 S93H1C061	NR1 NR1 UT CAL	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-10-A PIPE TO PIPE	PT-H-600/03 UT-H-400/11	133-H	S93H1P041 S93H1U100 S93H1C060	NR1 RI GEOMETRY UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-10-A-LD LONG SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P042 S93H1U109 S93H1C070 S93H1U124	NR1 NR1 UT CAL THICKNESS	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-10-A-LU LONG SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P043 S93H1U108 S93H1C069 S93H1U126	NRI NRI UT CAL THICKNESS	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-10-LD LONG SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P044 S93H1U107 S93H1C068 S93H1U127	NRI NRI UT CAL THICKNESS	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-11 PIPE TO ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P045 S93H1U099 S93H1C059	NRI RI GEOMETRY UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-11-IR LONG SEAM WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P046 S93H1U111 S93H1C072 S93H1U123	NRI NRI UT CAL THICKNESS	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-11-LU LONG SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P047 S93H1U112 S93H1C073 S93H1U122	NRI NRI UT CAL THICKNESS	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-11-OR LONG SEAM WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P048 S93H1U110 S93H1C071 S93H1U125	NRI NRI UT CAL THICKNESS	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-12 ELBOW TO PIPE	PT-H-600/03 UT-H-400/11	133-H	S93H1P049 S93H1U084 S93H1C049	NRI NRI UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-12-LD LONG SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P050 S93H1U090 S93H1C053	NRI NRI UT CAL	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
B9.11 B-J NUREG-0213A	A-32/05	1G31-1RWCUM-6-D-13 PIPE TO ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P051 S93H1U105 S93H1C065	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-13-1R LONG SEAM WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P052 S93H1U150 S93H1C092 S93H1U151	NR1 NR1 UT CAL THICKNESS	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-13-LU LONG SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P053 S93H1U091 S93H1C054	NR1 NR1 UT CAL	EXAM LIMITED TO 4" ON CW SIDE DUE TO WELDED SUPPORT. 100% SURFACE COVERAGE. 83.5% VOLUMETRIC COVERAGE
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-13-OR LONG SEAM WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P054 S93H1U157 S93H1C096 S93H1U158	NR1 NR1 UT CAL THICKNESS	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-14 ELBOW TO VALVE	PT-H-600/03 UT-H-400/11	133-H	S93H1P055 S93H1U085 S93H1C050 S93H1U089 S93H1C052	NR1 NR1 UT CAL GEOMETRY UT CAL	ONE-SIDED EXAM DUE TO ELBOW TO VALVE CONFIGURATION. 100% SURFACE COVERAGE. 52% VOLUMETRIC COVERAGE.
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-16 PENETRATION TO PIPE	PT-H-600/03 UT-H-400/11	133-H	S93H1P077 S93H1U203 S93H1C126 S93H1U202 S93H1C125	RI NR1 UT CAL NR1 UT CAL	CODE ALLOWABLE LINEAR SURFACE INDICATION. ONE-SIDED EXAM DUE TO PENETRATION. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-16-LD LONG SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P092 S93H1U204 S93H1C127	NI NR1 UT CAL	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-17 PIPE TO ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P016 S93H1U081 S93H1C046	NR1 RI GEOMETRY UT CAL	

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CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-17-1R LONG SEAM WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P025 S93H1U079 S93H1C044	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-17-LU LONG SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P093 S93H1U205 S93H1C128	NI NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-17-OR LONG SEAM WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P024 S93H1U080 S93H1C045	NR1 NR1 UT CAL	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-18 ELBOW TO PIPE	PT-H-600/03 UT-H-400/11	133-H	S93H1P023 S93H1U078 S93H1C043	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-18-LD LONG SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P022 S93H1U072 S93H1C039	NR1 NR1 UT CAL	
B9.11 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-19 PIPE TO ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P021 S93H1U065 S93H1C032	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-19-1R LONG SEAM WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P020 S93H1U069 S93H1C036	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-19-LU LONG SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/11	133-H	S93H1P019 S93H1U071 S93H1C037	NR1 NR1 UT CAL	
B9.12 B-J NUREG-0313A	A-32/05	1G31-1RWCUM-6-D-19-OR LONG SEAM WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/11	133-H	S93H1P018 S93H1U070 S93H1C038	NR1 NR1 UT CAL	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
B9.11 B-J NUREG-0313A	A-32/05	1631-1RWCUM-6-D-20 ELBOW TO VALVE	PT-H-600/03 UT-H-400/11	133-H	S93H1P017 S93H1U066 S93H1C033 S93H1U067 S93H1C034 S93H1U068 S93H1C035	NR1 NR1 UT CAL NR1 UT CAL NR1 UT CAL	ONE-SIDED EXAM DUE TO ELBOW AND VALVE CONFIGURATION. 100% SURFACE COVERAGE. 72% VOLUMETRIC COVERAGE.
<u>VALVE BOLTING</u>							
B7.70 B-G-2 ASME	A-4/06	B21-F013A BOLTING VALVE BOLTING	VT-H-710/03		S93H1V068	SAT	
B7.70 B-G-2 ASME	A-4/06	B21-F013B BOLTING VALVE BOLTING	VT-H-710/03		S93H1V069	SAT	
B7.70 B-G-2 ASME	A-5/07	B21-F013C BOLTING VALVE BOLTING	VT-H-710/03		S93H1V070	SAT	
B7.70 B-G-2 ASME	A-5/07	B21-F013D BOLTING VALVE BOLTING	VT-H-710/03		S93H1V071	SAT	
B7.70 B-G-2 ASME	A-5/07	B21-F013E BOLTING VALVE BOLTING	VT-H-710/03		S93H1V072	SAT	
B7.70 B-G-2 ASME	A-6/07	B21-F013F BOLTING VALVE BOLTING	VT-H-710/03		S93H1V073	SAT	
B7.70 B-G-2 ASME	A-6/07	B21-F013G BOLTING VALVE BOLTING	VT-H-710/03		S93H1V074	SAT	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>VALVE BOLTING</u>							
B7.70 B-G-2 ASME	A-7/06	B21-F013H BOLTING VALVE BOLTING	VT-H-710/03		S93H1V075	UNSAT	LOOSE NUTS. SEE INF 193H1002, TIGHTENED PER MWD 1-93-2197.
B7.70 B-G-2 ASME	A-7/06	B21-F013J BOLTING VALVE BOLTING	VT-H-710/03		S93H1V076	SAT	
B7.70 B-G-2 ASME	A-5/07	B21-F013K BOLTING VALVE BOLTING	VT-H-710/03		S93H1V086	SAT	
B7.70 B-G-2 ASME	A-6/07	B21-F013L BOLTING VALVE BOLTING	VT-H-710/03		S93H1V087	SAT	
<u>VALVE BODIES</u>							
B12.50 B-M-2 ASME	A-5	B21-F013E BODY VALVE BODIES	45QC-INS- 012-OS		N/A	SAT	DISASSEMBLED VALVE AND INSPECTED PARTS.
B12.50 B-M-2 ASME	A-6A	B21-F022C BODY VALVE BODIES	45QC-INS- 012-OS		N/A	SAT	DISASSEMBLED VALVE AND INSPECTED PARTS.
B12.50 B-M-2 ASME	A-32	G31-F004 BODY VALVE BODIES	45QC-INS- 012-OS		N/A	SAT	DISASSEMBLED VALVE AND INSPECTED PARTS.
B12.50 B-M-2 ASME	A-14B/02	B31-F031A BODY VALVE BODIES	VT-H-730/07		S93H1V089	SAT	VT-3 OF ACCESSIBLE VALVE PARTS WITH THE SONNET REMOVED. DISK WAS NOT REMOVED FOR THIS EXAMINATION.
B12.50 B-M-2 ASME	A-22	E11-F050B BODY VALVE BODIES	45QC-INS- 012-OS		N/A	SAT	MINOR EROSION INDICATIONS AT HINGE PIN. HINGE AREA WELDED AND MACHINED. VT ACCEPTABLE.

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 1 COMPONENTS

<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
<u>VALVE BODIES</u>							
B12.50 B-M-2 ASME	A-26	E21-F006A BODY VALVE BODIES	45QC-INS- 012-OS		N/A	SAT MWO 1-92-6700	INSPECTED UPPER INSIDE PORTION OF THE VALVE ONLY DUE TO WATER AND INACCESSIBILITY.
B12.50 B-M-2 ASME	A-28	E41-F002 BODY VALVE BODIES	45QC-INS- 012-OS		N/A	SAT MWO 1-92-6809	REPLACED VALVE STEM, PACKING, PRESSURE SEAL, AND OPERATOR.
B12.50 B-M-2 ASME	A-28	E41-F003 BODY VALVE BODIES	45QC-INS- 012-OS		N/A	UNSAT MWO 1-92-6808 SAT MWO 1-93-1324	STELLITE ON ONE SIDE OF DISK WAS CRACKED. SEE DC 1-93-943. REPLACED DISK. VT ACCEPTABLE.
B12.50 B-M-2 ASME	A-32	G31-F001 BODY VALVE BODIES	45QC-INS- 012-OS		N/A	SAT MWO 1-92-6807	REPLACED STEM OPERATOR AND YOKE, INSPECTED INTERNALS.

SUMMARY
OF
CLASS 2 EXAMINATIONS

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 2 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>CONTROL ROD DRIVE SYSTEM</u>							
C5.11 C-F NUREG-0803	B-84/03	1C11-2CRD-8N-SDV-4 ELBOW TO TEE	MT-H-500/05		S93H1M038	NR1	
<u>RESIDUAL HEAT REMOVAL SYSTEM</u>							
C3.10 C-C ASME	B-32/04	1E11-2HX-A-USC-3 UPPER SUPPORT BRACKET	MT-H-500/05		S93H1M008	NR1	
C1.30 C-A ASME	B-32/04	1E11-2HX-B-3 LOWER SHELL RING TO FLANGE FLANGE	UT-H-400/11	72-H	S93H1U018 S93H1C004 S93H1U029 S93H1C019 S93H1U001 S93H1C001 S93H1U003 S93H1C003 S93H1U171 S93H1C105 S93H1U004	NR1 RI RI RI RI RI RI RI RI RI RI	UT CAL GEOMETRY UT CAL GEOMETRY UT CAL GEOMETRY UT CAL GEOMETRY UT CAL THICKNESS
-- -- AUGMENTED	B-38A/02	1E11-2RHR-4A-D-C-6 ELBOW TO PIPE	MT-H-500/05		S93H1M007	NR1	ONE-SIDED EXAM DUE TO FLANGE GEOMETRY. 100% COVERAGE.
C5.11 C-F ASME	B-69/05	1E11-2RHR-6A-RVD-7 PIPE TO ELBOW	MT-H-500/05		S93H1M003	NI	
C5.11 C-F ASME	B-72/06	1E11-2RHR-8-FPS-3 TEE TO PIPE	MT-H-500/05		S93H1M011	NR1	
-- -- AUGMENTED	B-62/05	1E11-2RHR-16B-DS-12 VALVE TO PIPE	MT-H-500/05		S93H1M010	NI	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 2 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RESIDUAL HEAT REMOVAL SYSTEM</u>							
C5.11 C-F ASME	B-58/05	1E11-2RHR-16B-HXO-2 ELBOW TO VALVE	MT-H-500/05		S93H1M047	NRI	
C5.11 C-F ASME	B-45/05	1E11-2RHR-20A-PD-C-4 VALVE TO TEE	MT-H-500/05		S93H1M012 S93H1M020 S93H1M054 S93H1U0327 S93H1U033 S93H1U044	RI RI NRI THICKNESS SIZING WELD PROFILE	0.8" LINEAR INDICATION. SEE INF 193H1003.
C5.21 C-F ASME	B-46/05	1E11-2RHR-24A-BP-7 ELBOW TO PIPE	MT-H-500/05 UT-H-400/11	139-H	S93H1M014 S93H1U075 S93H1C042 S93H1U074 S93H1C041 S93H1U020	NRI RI RI THICKNESS	GEOMETRY UT CAL GEOMETRY UT CAL
C5.11 C-F ASME	B-38/05	1E11-2RHR-24A-TS-C-7 PIPE TO ELBOW	MT-H-500/05		S93H1M053	NRI	
<u>CORE SPRAY SYSTEM</u>							
B9.11 B-J ASME	B-6/04	1E21-2CS-10A-4 VALVE TO PIPE	MT-H-500/05 UT-H-400/11	137-H	S93H1M015 S93H1U026 S93H1C016 S93H1U027 S93H1C017 S93H1U163	NI NI RI UT CAL GEOMETRY UT CAL THICKNESS	ONE-SIDED EXAM DUE TO VALVE. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
<u>HIGH PRESSURE COOLANT INJECTION SYSTEM</u>							
C5.21 C-F ASME	B-21/05	1E41-2HPCI-10-SS-5 PIPE TO ELBOW	MT-H-500/05 UT-H-400/11	137-H	S93H1M006 S93H1U019 S93H1C007 S93H1U056	NI NRI UT CAL THICKNESS	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 2 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>HIGH PRESSURE COOLANT INJECTION SYSTEM</u>							
- - - - ASME	B-20/05	1E41-2HPCI-10-SS-29R VALVE TO PIPE	MT-H-500/05 UT-H-400/11	137-H	S93H1M050 S93H1U310 S93H1C269 S93H1U311 S93H1C270 S93H1U312 S93H1C271 S93H1U313	NR1 NR1 UT CAL NR1 UT CAL RI GEOMETRY UT CAL THICKNESS	ONE-SIDED EXAM DUE TO VALVE GEOMETRY. CODE COVERAGE FROM PIPE SIDE. BASELINE EXAM. 100% COVERAGE.
- - - - ASME	B-20/05	1E41-2HPCI-10-SS-30B TEE TO PIPE	MT-H-500/05 UT-H-400/11	137-H	S93H1M049 S93H1U307 S93H1C266 S93H1U308 S93H1C267 S93H1U309 S93H1C268 S93H1U314	NR1 NR1 UT CAL NR1 UT CAL RI GEOMETRY UT CAL THICKNESS	ONE-SIDED EXAM DUE TO TEE CONFIGURATION. CODE COVERAGE FROM THE PIPE SIDE BASELINE EXAM. 100% COVERAGE.
- - - - ASME	B-12/04	1E41-2HPCI-10-TL-5A PIPE TO VALVE	MT-H-500/05 UT-H-400/11	54-H	S93H1M051 S93H1U304 S93H1C263 S93H1U305 S93H1C264 S93H1U306 S93H1C265 S93H1U303	NR1 NR1 UT CAL NR1 UT CAL RI GEOMETRY UT CAL THICKNESS	ONE-SIDED EXAM DUE TO VALVE CONFIGURATION. CODE COVERAGE FROM PIPE SIDE. 100% COVERAGE.
C5.21 C-F ASME	B-10/04	1E41-2HPCI-14-R-10 PIPE TO FLANGE	MT-H-500/05 UT-H-400/11	116-H	S93H1M005 S93H1U006 S93H1C006 S93H1U005 S93H1C005 S93H1U007	NR1 NI UT CAL NI UT CAL THICKNESS	ONE-SIDED EXAM DUE TO PIPE TO FLANGE CONFIGURATION. 100% COVERAGE.
C5.11 C-F ASME	B-14/05	1E41-2HPCI-18-ID-2 ELBOW TO PIPE	MT-H-500/05		S93H1M001	NR1	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 2 COMPONENTS

<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATING PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
<u>REACTOR CORE ISOLATION COOLING SYSTEM</u>							
-- -- AUGMENTED	B-95/02	1E51-2RCIC-4-SS-1 VALVE TO PIPE	MT-H-500/05		S93H1M042	NI	
C5.11 C-F ASME	B-24/05	1E51-2RCIC-10-TD-1 FLANGE TO TEE	MT-H-500/05		S93H1M009	NRI	
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
-- -- NUREG-0619	B-83/07	1G31-2RWCU-4-R-3A TEE TO PIPE	UT-H-400/11	142-H	S93H1U058 S93H1C026 S93H1U057 S93H1C027	NRI NR1 NR1	UT CAL UT CAL
-- -- NUREG-0619	B-83/07	1G31-2RWCU-4-R-4C PIPE TO PIPE	UT-H-400/11	142-H	S93H1U059 S93H1C028	NRI NR1	UT CAL
<u>MAIN STEAM AUXILIARY SYSTEM</u>							
C5.20 C-C ASME	B-74/06	1N11-2MSA-24A-11PS-1 THRU 4 DEVICE N11-MSH-24	MT-H-500/05		S93H1M048	NRI	
C5.21 C-F ASME	B-75/06	1N11-2MSA-24B-9 TEE TO PIPE	MT-H-500/05 UT-H-400/11	147-H	S93H1M023 S93H1U092 S93H1C055 S93H1U093 S93H1C056 S93H1U094	NRI NR1 NR1 NR1	UT CAL UT CAL THICKNESS
<u>TURBINE STEAM BYPASS SYSTEM</u>							
C3.20 C-C ASME	B-81/04	1N37-2TSB-16B-12PS-1 AND 2 DEVICE N11-TBH-36	MT-H-500/05		S93H1M013	NRI	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
CLASS 2 COMPONENTS

<u>ASME</u> <u>SECTION XI</u>	<u>EXAM</u> <u>FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION</u> <u>PROCEDURE</u>	<u>CAL</u> <u>BLOCK</u>	<u>EXAM/CAL</u> <u>SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
<u>CONTAINMENT PURGING AND INERTING SYSTEM</u>							
C5.11 C-F ASME	B-31/05	1T48-2CPI-6-SVT-3 ELBOW TO PIPE	MT-H-500/05		S93H1M002	NI	

SUMMARY
OF
CLASS 1 AND 2 PRESSURE TESTS
PRESSURE TESTING

GENERAL

This section of the report provides a discussion of the pressure tests which were performed during the 1993 Plant E.I. Hatch Unit 1 Spring Refueling Outage. These pressure tests were performed for the purpose of inservice inspection on Class 1, and 2 components. The pressure tests and their boundaries are identified in the Inservice Inspection Plan documents prepared by Southern Nuclear Operating Company.

All pressure tests were performed in accordance with ASME Section XI, 1980 Edition with Addenda through Winter 1981. All tests were witnessed and/or reviewed by the resident ANII. The completed test reports are available for review in the Records Management Department at Plant E.I. Hatch.

CLASS 1 PRESSURE TESTS

One (1) Class 1 Leakage Test was performed during the outage per ASME Section XI, paragraph IWA-5211(a). The test was performed per GPC procedure 42IT-TET-006-1S, ISI Pressure Test of the Class 1 System.

TEST RESULTS

Only minor leakage at mechanical joints was found during the VT-2 examinations. Any component which was disassembled prior to startup or to repair leakage, was re-examined during startup at normal operating pressure (1005 psig) per GPC procedure 42IT-TET-004-0S, Operating Pressure Testing of Piping and Components.

CLASS 1 PRESSURE TEST SUMMARY

<u>TEST I.D.</u>	<u>PROCEDURE</u>	<u>MWO NUMBER</u>
1B21-LT-1	42IT-TET-006-1S	1-92-6939

CLASS 2 PRESSURE TESTS

One (1) Class 2 Hydrostatic Pressure Test was performed during the outage per ASME Section XI paragraph IWA-5211(d). The test was performed in accordance with GPC procedure 42IT-TET-003-0S, Hydrostatic Pressure Testing of Piping and Components.

One (1) Class 2 Hydrostatic Pressure Tests was performed during the outage per ASME Section XI Code Case N-498. The test was performed in accordance with GPC procedure 42IT-TET-004-0S, Operating/Pressure Testing of Piping and Components.

TEST RESULTS

Only minor leakage at mechanical joints was reported during the VT-2 examination and all results were determined to be acceptable or were repaired.

CLASS 2 SUMMARY

<u>TEST I.D.</u>	<u>PROCEDURE</u>	<u>MWO NUMBER</u>
1E41-HT-3	42IT-TET-003-0S	1-92-6937
1E41-HT-4 *	42IT-TET-004-0S	None Required

* Pressure Test performed per ASME Section XI Code Case N-498

SUMMARY OF VISUAL EXAMINATIONS

CLASS 1 AND 2

COMPONENT SUPPORTS

COMPONENT SUPPORT EXAMINATIONS

This section of the report provides a discussion of the visual examinations performed on selected component supports on Hatch Unit 1. Equipment supports and pipe supports inspected are listed on separate tables as part of this section. The subject examinations were performed during the Refueling/Maintenance Outage. Examinations were performed using SNC Procedure VT-H-730 (VT-3 and VT-4). The procedure and all examination data sheets are available for review at the plant site.

Piping Support Examinations

Class 1

Eight (8) component supports from the B21, B31, E21, E41, E51, and G31 systems were visually examined. No unacceptable indications were detected.

Class 2

Twenty-nine (29) component supports from the C11, E11, E41, E51, and N11, systems were visually examined. No unacceptable indications were detected.

Equipment Support Examinations

Class 1

One (1) equipment support from the B11 system was visually examined. No unacceptable indications were detected.

Class 2

Nine (9) equipment supports from the C41, E11, E21, E41, E51, and T47, systems were visually examined. No unacceptable indications were detected.

1993 E.I. HATCH UNIT 1 PIPE SUPPORTS

<u>ASME CLASS</u>	<u>SUPPORT</u>	<u>FIGURE NO.</u>	<u>HANGER TYPE</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>INF. NO.</u>	<u>MWO NO.</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>REMARKS</u>
1	1B21-FDH-10	A-8/08	RESTRAINT	A	S93H1V066					
1	1B31-HB1	A-15/05	SPRING	A	S93H1V064					
1	1B31-HB2	A-15B/02	SPRING	A	S93H1V063					
1	1E21-CSH-802	A-27/05	RESTRAINT	A	S93H1V059					
1	1E41-HPSEH-52	A-28/05	SPRING	A	S93H1V061					
1	1E41-HPCIH-30	A-29/06	RESTRAINT	A	S93H1V030					
1	1E51-RCSEH-18	A-30/04	SPRING	A	S93H1V058					
1	1G31-X-14	A-32/05	ANCHOR	A	S93H1V067					
2	1E21-CSH-27	B-8/04	SPRING	A	S93H1V038					
2	1E41-HPCIH-14	B-10/04	SPRING	A	S93H1V053					
2	1E41-HPSEH-10	B-15/05	SPRING	A	S93H1V031					
2	1E41-HPSEH-15	B-16/05	RESTRAINT	A	S93H1V032					
2	1E41-HPSEH-32	B-19/05	SUPPORT	A	S93H1V054					
2	1E41-HPSEH-19	B-22/05	HANGER	A	S93H1V033					
2	1E11-RHRH-4	B-36/05	SPRING	A	S93H1V016					
2	1E11-RHRH-125	B-47/04	RESTRAINT	A	S93H1V014					
2	1E11-RHRH-271	B-47/04	RESTRAINT	A	S93H1V021					
2	1E11-RHRH-383	B-49A/01	RESTRAINT	A	S93H1V045					
2	1E11-RHRH-384	B-49A/01	RESTRAINT	A	S93H1V046					
2	1E11-RHRH-397	B-52/05	SPRING	A	S93H1V051					
2	1E11-RHRH-376	B-54/04	RESTRAINT	A	S93H1V020					
2	1E11-RHRH-407A	B-72/06	RESTRAINT	A	S93H1V080					
2	1N11-MSH-19	B-74/06	SIMPLE	A	S93H1V025					
2	1N11-MSH-57	B-74/06	SPRING	A	S93H1V028					
2	1N11-MSH-31	B-75/06	HANGER	A	S93H1V026					

1993 E.I. HATCH UNIT 1 PIPE SUPPORTS

<u>ASME CLASS</u>	<u>SUPPORT</u>	<u>FIGURE NO</u>	<u>HANGER TYPE</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>INF NO.</u>	<u>MWO NO.</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>REMARKS</u>
2	1N11-MSH-58	B-75/06	SPRING	A	S93H1V029					
2	1N11-AC-1	B-76/06	ANCHOR	A	S93H1V047					
2	1N11-MSH-56	B-77/06	SPRING	A	S93H1V027					
2	1N11-TBH-26	B-80/05	SUPPORT	A	S93H1V034					
2	1C11-CRD-H26	B-84/03	SIMPLE	A	S93H1V041					
2	1C11-CRD-H24	B-84/03	ANCHOR	A	S93H1V040					
2	1C11-CRD-H23	B-84/03	RESTRAINT	A	S93H1V039					
2	1C11-CRD-H5	B-85/05	SUPPORT	A	S93H1V042					
2	1C11-CRD-H6	B-85/05	HANGER	A	S93H1V043					
2	1E51-RCSEH-15	B-96/01	SPRING	A	S93H1V048					
2	1E51-RCSEH-25	B-96/01	SPRING	A	S93H1V022					
2	1E51-RC1CH-19	B-99/01	RESTRAINT	A	S93H1V023					

1993 E.I. HATCH UNIT 1 EQUIPMENT SUPPORTS

<u>ASME CLASS</u>	<u>SUPPORT</u>	<u>FIGURE NO</u>	<u>HANGER TYPE</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>INF NO.</u>	<u>MWO NO.</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>REMARKS</u>
1	1B11-A001-S01	1B11-SK1	REACTOR VESSEL	A	S93H1V082					
2	1C41-A001-S01	1C41-SK2	TANK	A	S93H1V044					
2	1E11-B001A-S01	1E11-SK4	HT EXCH	A	S93H1V019					
2	1E21-C001A-S01	1E21-SK6	PUMP	A	S93H1V017					
2	1E41-C001-S01	1E41-SK7	PUMP	A	S93H1V052					
2	1E51-C001-S01	1E51-SK8	PUMP	A	S93H1V024					
2	1T47-B007A-S01	1T47-SK9	COOLING UNIT	A	S93H1V079					
2	1T47-B008A-S01	1T47-SK10	COOLING UNIT	A	S93H1V067					
2	1T47-B009A-S01	1T47-SK11	COOLING UNIT	A	S93H1V062					
2	1C41-C001A-S01	1C41-SK3	PUMP	A	S93H1V078					

SNUBBER SUPPORT EXAMINATIONS

This section of the report provides a discussion of the visual examination (VT) performed on snubber supports. All safety related snubbers were VT examined by GPC QC personnel using GPC procedure 45QC-INS-012-OS (VT-3).

The subject examinations were performed prior to and during the Refueling/Maintenance Outage. The procedure and all examination data sheets are available for review at the plant site.

Examinations

Class 1

Seventy-five (75) snubbers from the B21, B31, E11, E41, E51, and G31 systems were visually examined. No unacceptable indications were detected.

Class 2

One hundred sixty-three (163) snubbers from the E11, E21, E41, E51, N11, and T48 systems were visually examined. No unacceptable indications were detected.

1993 E.I. HATCH UNIT 1 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
1	B21-SS1	A-4/06	HYDRAULIC SNUBBER	A	N/A					
1	B21-SS2	A-4/06	HYDRAULIC SNUBBER	A	N/A					
1	B21-SS6	A-5/07	HYDRAULIC SNUBBER	A	N/A					
1	B21-SS7	A-5/07	HYDRAULIC SNUBBER	A	N/A					
1	B21-SS23	A-6/07	HYDRAULIC SNUBBER	A	N/A					
1	B21-SS24	A-6/07	HYDRAULIC SNUBBER	A	N/A					
1	B21-SS36	A-7/06	HYDRAULIC SNUBBER	A	N/A					
1	B21-SS37	A-7/06	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-12	A-8/08	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-11	A-9/07	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-23	A-10/05	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-24	A-10/05	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-15	A-11/05	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-16	A-11/05	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-19	A-11/05	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-17	A-12/05	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-18	A-12/05	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-26	A-13/06	HYDRAULIC SNUBBER	A	N/A					
1	B21-FDH-25	A-13/06	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA8	A-14/05	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA1	A-14A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA2	A-14A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA3	A-14A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA4	A-14A/01	HYDRAULIC SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF. NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
1	B31-SSA5	A-14A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA6	A-14A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA12	A-14B/02	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA13	A-14B/02	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSA14	A-14B/02	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB7	A-15/05	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB8	A-15/05	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB2	A-15A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB3	A-15A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB4	A-15A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB5	A-15A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB6	A-15A/01	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB12	A-15B/02	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB13	A-15B/02	HYDRAULIC SNUBBER	A	N/A					
1	B31-SSB14	A-15B/02	HYDRAULIC SNUBBER	A	N/A					
1	E11-S4	A-21/05	HYDRAULIC SNUBBER	A	N/A					
1	E11-S1	A-21/05	HYDRAULIC SNUBBER	A	N/A					
1	E11-S2	A-21/05	HYDRAULIC SNUBBER	A	N/A					
1	E11-S5	A-21/05	HYDRAULIC SNUBBER	A	N/A					
1	E11-S15	A-22/05	HYDRAULIC SNUBBER	A	N/A					
1	E11-SM-1	A-22/05	HYDRAULIC SNUBBER	A	N/A					
1	E11-SM-2	A-22/05	HYDRAULIC SNUBBER	A	N/A					
1	E11-SM-8	A-22/05	HYDRAULIC SNUBBER	A	N/A					
1	E11-SM-3	A-23/04	HYDRAULIC SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
1	E11-SM-4	A-23/04	HYDRAULIC SNUBBER	A	N/A					
1	E41-SS-21	A-28/05	HYDRAULIC SNUBBER	A	N/A					
1	E41-SS-8	A-28/05	HYDRAULIC SNUBBER	A	N/A					
1	E41-SS-22	A-28/05	HYDRAULIC SNUBBER	A	N/A					
1	E41-SS-17	A-28/05	HYDRAULIC SNUBBER	A	N/A					
1	E41-SS-18	A-28/05	HYDRAULIC SNUBBER	A	N/A					
1	E41-SS-20	A-28/05	HYDRAULIC SNUBBER	A	N/A					
1	E41-SS-19	A-28/05	HYDRAULIC SNUBBER	A	N/A					
1	B21-RCIC-SS-43	A-30/04	HYDRAULIC SNUBBER	A	N/A					
1	B21-RCIC-SS-44	A-30/04	HYDRAULIC SNUBBER	A	N/A					
1	B21-RCIC-SS-41	A-30/04	HYDRAULIC SNUBBER	A	N/A					
1	B21-RCIC-SS-42	A-30/04	HYDRAULIC SNUBBER	A	N/A					
1	G31-S17	A-32/05	HYDRAULIC SNUBBER	A	N/A					
1	G31-SM-7	A-32/05	HYDRAULIC SNUBBER	A	N/A					
2	E21-CSH-71	B-3/04	HYDRAULIC SNUBBER	A	N/A					
2	E21-CSH-79	B-6/04	HYDRAULIC SNUBBER	A	N/A					
2	E21-CSH-57	B-7/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPCH-13	B-10/04	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH- 2	B-14/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH- 88	B-15/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH- 8	B-15/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH- 89	B-17/04	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH- 60	B-19/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH- 57	B-19/05	HYDRAULIC SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

<u>ASME CLASS</u>	<u>SUPPORT</u>	<u>FIGURE NO</u>	<u>HANGER TYPE</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>INF NO.</u>	<u>MWO NO.</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>REMARKS</u>
2	E41-HPSEH- 58	B-19/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH- 55	B-20/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-61	B-22/05	HYDRAULIC SNUBBER	A	N/A					
2	E51-RCSEH-20	B-24/05	HYDRAULIC SNUBBER	A	N/A					
2	E51-RCSEH-21	B-25/05	HYDRAULIC SNUBBER	A	N/A					
2	E51-RCSEH-23	B-25/05	HYDRAULIC SNUBBER	A	N/A					
2	T48-CPH-20	B-26/05	HYDRAULIC SNUBBER	A	N/A					
2	T48-CPH-14	B-27/05	HYDRAULIC SNUBBER	A	N/A					
2	T48-CPH-55	B-30/06	HYDRAULIC SNUBBER	A	N/A					
2	T48-CPH-40	B-30/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-202	B-33/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-309	B-35/04	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-323	B-36/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-195	B-41/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-192	B-41/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-187	B-42/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-233	B-43/04	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-234	B-43/04	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-230	B-44/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-229	B-44/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-228	B-44/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-232	B-45/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-227	B-46/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-226	B-46/05	HYDRAULIC SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

<u>ASME CLASS</u>	<u>SUPPORT</u>	<u>FIGURE NO</u>	<u>HANGER TYPE</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>INF NO.</u>	<u>MWO NO.</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>REMARKS</u>
2	E11-RHRH-224	B-46/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-225	B-47/04	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-288	B-48/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-220	B-49/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-222	B-49/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-192	B-49A/01	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-244	B-51/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-245	B-51/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-239	B-52/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-238	B-52/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-237	B-52/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-210	B-53/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-212	B-54/04	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-215	B-55/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-214	B-55/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-213	B-55/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-216	B-56/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-217	B-56/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-306	B-56/06	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-305	B-56/06	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-92	B-57/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-93	B-57/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-218	B-58/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-307	B-59/04	HYDRAULIC SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

<u>ASME CLASS</u>	<u>SUPPORT</u>	<u>FIGURE NO</u>	<u>HANGER TYPE</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>INF NO.</u>	<u>MWO NO.</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>REMARKS</u>
2	E11-RHRH-279	B-60/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-250	B-61/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-251	B-61/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-242	B-62/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-240	B-62/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-399	B-62/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-249	B-63/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-254	B-65/04	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-66	B-67/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-67	B-67/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-63	B-67/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-800	B-67/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-85	B-69/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-87	B-69/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-80	B-69/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-81	B-69/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-82	B-69/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-83	B-69/05	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-84	B-69/05	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-400	B-70/04	HYDRAULIC SNUBBER	A	N/A					
2	E11-RHRH-207	B-72/06	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-72	B-73/06	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-73	B-73/06	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-74	B-73/06	HYDRAULIC SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
2	E41-HPSEH-76	B-73/06	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPSEH-77	B-73/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-59	B-74/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-20	B-74/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-23	B-74/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-38	B-74/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-40	B-75/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-30	B-75/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-33	B-75/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-39	B-75/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-6	B-76/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-36	B-76/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-14	B-77/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-MSH-37	B-77/06	HYDRAULIC SNUBBER	A	N/A					
2	N11-TSH-32	B-80/05	HYDRAULIC SNUBBER	A	N/A					
2	N11-TSH-33	B-80/05	HYDRAULIC SNUBBER	A	N/A					
2	N11-TSH-30	B-81/04	HYDRAULIC SNUBBER	A	N/A					
2	E41-HPCTH-9	B-87/04	HYDRAULIC SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
1	B21-FDH-700	A-9/07	MECH SNUBBER	A	N/A					
1	B21-FDH-701	A-10/05	MECH SNUBBER	A	N/A					
1	B21-FDH-13	A-11/05	MECH SNUBBER	A	N/A					
1	B21-FDH-21	A-11/05	MECH SNUBBER	A	N/A					
1	B21-FDH-829	A-11/05	MECH SNUBBER	A	N/A					
1	B21-FDH-14	A-12/05	MECH SNUBBER	A	N/A					
1	B21-FDH-20	A-12/05	MECH SNUBBER	A	N/A					
1	B21-FDH-22	A-12/05	MECH SNUBBER	A	N/A					
1	B31-SSA7	A-14/05	MECH SNUBBER	A	N/A					
1	B31-SS81	A-15A/01	MECH SNUBBER	A	N/A					
1	E51-RCIC-H705	A-31/06	MECH SNUBBER	A	N/A					
1	G31-SM-6	A-32/05	MECH SNUBBER	A	N/A					
1	G31-SM-5	A-32/05	MECH SNUBBER	A	N/A					
2	E41-HPCIH-700	B-13/05	MECH SNUBBER	A	N/A					
2	E41-HPSEH-1	B-14/05	MECH SNUBBER	A	N/A					
2	E41-HPSEH-700	B-15/05	MECH SNUBBER	A	N/A					
2	E41-HPSEH-702	B-16/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-725	B-20/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-729	B-22/05	MECH SNUBBER	A	N/A					
2	E51-RCSEH-715	B-24/05	MECH SNUBBER	A	N/A					
2	E51-RCSEH-719	B-24/05	MECH SNUBBER	A	N/A					
2	E51-RCSEH-720	B-24/05	MECH SNUBBER	A	N/A					
2	E51-RCSEH-721	B-25/05	MECH SNUBBER	A	N/A					
2	T48-CPH-701	B-26/05	MECH SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
2	148-CPH-702	B-26/05	MECH SNUBBER	A	N/A					
2	148-CPH-6	B-28/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-312	B-34/04	MECH SNUBBER	A	N/A					
2	E11-RHRH-313	B-34/04	MECH SNUBBER	A	N/A					
2	E11-RHRH-310	B-35/04	MECH SNUBBER	A	N/A					
2	E11-RHRH-709	B-36/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-711	B-36/05	MECH SNUBBER	A	N/A					
2	E11-RHF'I-316	B-37/04	MECH SNUBBER	A	N/A					
2	E11-RHRH-719	B-37/04	MECH SNUBBER	A	N/A					
2	E11-RHRH-324	B-38/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-325	B-38/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-188	B-39/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-189	B-39/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-199	B-40/04	MECH SNUBBER	A	N/A					
2	E11-RHRH-196	B-41/06	MECH SNUBBER	A	N/A					
2	E11-RHRH-193	B-41/06	MECH SNUBBER	A	N/A					
2	E11-RHRH-713	B-42/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-716	B-42/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-231	B-45/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-223	B-46/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-43	B-47/04	MECH SNUBBER	A	N/A					
2	E11-RHRH-221	B-49/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-319	B-50/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-722	B-51/05	MECH SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
2	E11-RHRH-708	B-52/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-209	B-53/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-211	B-54/04	MECH SNUBBER	A	N/A					
2	E11-RHRH-728	B-57/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-34	B-58/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-252	B-61/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-733	B-67/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-730	B-67/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-732	B-69/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-736	B-69/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-737	B-69/05	MECH SNUBBER	A	N/A					
2	E11-RHRH-734	B-73/06	MECH SNUBBER	A	N/A					
2	E11-RHRH-724	B-73/06	MECH SNUBBER	A	N/A					
2	E11-RHRH-735	B-73/06	MECH SNUBBER	A	N/A					
2	E51-RCICH-700	B-89/06	MECH SNUBBER	A	N/A					
2	E51-RCICH-701	B-89/06	MECH SNUBBER	A	N/A					
2	E51-RCSEH-701	B-95/02	MECH SNUBBER	A	N/A					
2	E51-RCSEH-702	B-95/02	MECH SNUBBER	A	N/A					
2	E51-RCSEH-703	B-95/02	MECH SNUBBER	A	N/A					
2	E51-RCSEH-704	B-96/01	MECH SNUBBER	A	N/A					
2	E51-RCSEH-705	B-96/01	MECH SNUBBER	A	N/A					
2	E51-RCSEH-707	B-96/01	MECH SNUBBER	A	N/A					
2	E51-RCSEH-709	B-96/01	MECH SNUBBER	A	N/A					
2	E51-RCSEH-710	B-96/01	MECH SNUBBER	A	N/A					

1993 E.I. HATCH UNIT 1 SNUBBERS

<u>ASME</u> <u>CLASS</u>	<u>SUPPORT</u>	<u>FIGURE NO</u>	<u>HANGER TYPE</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>INF NO.</u>	<u>MWO NO.</u>	<u>RESULTS</u>	<u>REPORT NO.</u>	<u>REMARKS</u>
2	E51-RCSEH-711	B-96/01	MECH SNUBBER	A	N/A					
2	E51-RCSEH-712	B-96/01	MECH SNUBBER	A	N/A					
2	E51-RCSEH-713	B-96/01	MECH SNUBBER	A	N/A					

SUMMARY OF
NON-SAFETY NUREG-0313, REV. 2 INSPECTIONS

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
AUGMENTED EXAMINATIONS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR WATER CLEAN-UP SYSTEM</u>							
- - NUREG-0313S	C-116/01	1G31-3RWCU-4-R-22 ELBOW TO PIPE	UT-H-400/11	145-H	S93H1C166 S93H1U331 S93H1U332 S93H1C167 S93H1U333	N/A NRI NRI N/A N/A	UT CAL UT CAL THICKNESS
- - NUREG-0313S	C-117/01	1G31-3RWCU-4-R-25 PIPE TO ELBOW	UT-H-400/11	145-H	S93H1U246 S93H1C220 S93H1U249 S93H1C223 S93H1U134	RI N/A NRI N/A N/A	ROOT GEOMETRY UT CAL UT CAL THICKNESS
- - NUREG-0313S	C-117/01	1G31-3RWCU-4-R-26 ELBOW TO PIPE	UT-H-400/11	145-H	S93H1U172 S93H1C106 S93H1U173 S93H1C107 S93H1U133	RI N/A NRI N/A N/A	GEOMETRY UT CAL UT CAL THICKNESS
- - NUREG-0313S	C-117/01	1G31-3RWCU-4-R-33 ELBOW TO PIPE	UT-H-400/11	145-H	S93H1U247 S93H1C221 S93H1U250 S93H1C224 S93H1U132	NRI N/A NRI N/A N/A	 UT CAL UT CAL THICKNESS
- - NUREG-0313S	C-117/01	1G31-3RWCU-4-R-34 PIPE TO ELBOW	UT-H-400/11	145-H	S93H1U248 S93H1C222 S93H1U251 S93H1C225 S93H1U234	NRI N/A NRI N/A N/A	 UT CAL UT CAL THICKNESS
- - NUREG-0313S	C-108/01	1G31-3RWCU-6-D-2 PIPE TO ELBOW	UT-H-400/11	133-H	S93H1U083 S93H1C048	NRI UT CAL	NO EXAM PERFORMED FROM 3.25" TO 7" DUE TO WHIP RESTRAINT. 90% COVERAGE. REFERENCE CODE CASE N-460.
- - NUREG-0313S	C-108/01	1G31-3RWCU-6-D-3 ELBOW TO PIPE	UT-H-400/11	133-H	S93H1U082 S93H1C047	NRI UT CAL	NO EXAM FROM 3.25" TO 7" DUE TO WHIP RESTRAINT. 90% COVERAGE. REFERENCE CODE CASE N-460.

SUMMARY OF
REACTOR PRESSURE VESSEL
INTERNAL INSPECTIONS

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
-- -- IEB 80-13	A-1/04	N5A A LOOP CORE SPRAY INLET NOZZLE	VT-H-750/05		S93H1V170	SAT	
-- -- IEB 80-13	A-1/04	N5B B LOOP CORE SPRAY INLET NOZZLE	VT-H-750/05		S93H1V171	SAT	
B13.21 B-N-2 ASME	- -	C-1(1) STEAM DRYER SUPPORT BRKT & ATTACH WELD - 34 DEGREES	VT-H-750/05		S93H1V090	SAT	
B13.21 B-N-2 ASME	- -	C-2(1) STEAM DRYER SUPPORT BRKT & ATTACH WELD - 146 DEGREES	VT-H-750/05		S93H1V091	SAT	
B13.21 B-N-2 ASME	- -	C-3(1) STEAM DRYER SUPPORT BRKT & ATTACH WELD - 214 DEGREES	VT-H-750/05		S93H1V092	SAT	
B13.21 B-N-2 ASME	- -	C-4(1) STEAM DRYER SUPPORT BRKT & ATTACH WELD - 326 DEGREES	VT-H-750/05		S93H1V093	SAT	
B13.22 B-N-2 ASME	- -	F-1 CORE TOP GUIDES - 4 GUIDES - 0 DEGREES	VT-H-750/05		S93H1V094	SAT	
B13.22 B-N-2 ASME	- -	F-2 CORE TOP GUIDES -	VT-H-750/05		S93H1V095	SAT	
B13.22 B-N-2 ASME	- -	F-3 CORE TOP GUIDES -	VT-H-750/05		S93H1V095	SAT	

E. I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
813.21 B-N-2 ASME	-	F-4 CORE TOP GUIDES -	VT-H-750/05		S93H1V095	SAT	
813.21 B-N-2 ASME	-	I-1 SPROUD SUPPORT RING ATTACHMENT WELD TO VESSEL	VT-H-750/05		S93H1V096	SAT	
-	-	J-86 JET PUMP 11 INLET MIXER - 210 DEG	VT-H-750/05		S93H1V097	SAT	
-	-	J-91 JET PUMP 12 INLET MIXER - 210 DEG	VT-H-750/05		S93H1V098	SAT	
-	-	J-102 JET PUMP 13 INLET MIXER - 240 DEG	VT-H-750/05		S93H1V099	SAT	
-	-	J-107 JET PUMP 14 INLET MIXER - 240 DEG	VT-H-750/05		S93H1V100	SAT	
-	-	J-118 JET PUMP 15 INLET MIXER - 270 DEG	VT-H-750/05		S93H1V101	SAT	
-	-	K-1 STEAM DRYER LIFTING EYE AND ROD - 35 DEG	VT-H-750/05		S93H1V102	SAT	
-	-	K-2 STEAM DRYER LIFTING EYE AND ROD - 145 DEG	VT-H-750/05		S93H1V103	SAT	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
-	-	K-3 STEAM DRYER LIFTING EYE AND ROD - 215 DEG	VT-H-750/05		S93H1V104	SAT	
-	-	K-4 STEAM DRYER LIFTING EYE AND ROD - 325 DEG	VT-H-750/05		S93H1V105	SAT	
-	-	K-5 STEAM DRYER-SUPPORT BRACKET - 34 DEG	VT-H-750/05		S93H1V106	SAT	
-	-	K-6 STEAM DRYER-SUPPORT BRACKET - 146 DEG	VT-H-750/05		S93H1V107	SAT	
-	-	K-7 STEAM DRYER-SUPPORT BRACKET - 214 DEG	VT-H-750/05		S93H1V108	SAT	
-	-	K-8 STEAM DRYER-SUPPORT BRACKET - 326 DEG	VT-H-750/05		S93H1V109	SAT	
-	-	K-9 STEAM DRYER-SUPPORT RING - 0 TO 360 DEG	VT-H-750/05		S93H1V110	SAT	
-	-	K-10 STEAM DRYER - STIFFENERS AND STIFFENER WELDS	VT-H-750/05		S93H1V111	SAT	
-	-	K-11 STEAM DRYER - VERTICAL VANE BANK WELDS	VT-H-750/05		S93H1V176	UNSAT	6 CRACK-LIKE INDICATIONS SEE 193H1011. ACCEPTABLE FOR CONTINUED OPERATION PER GE EVALUATION.

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
-	-	M-1A C.S. UP SPRINGER NOZ 1A TO JUNCTION BOX A - 270-10 DEG	VT-H-750/05		S93H1V112	SAT	
-	-	M-1B C.S. UP SPRINGER JUNCTION BOX A TO NOZ 53A - 10-90 DEG	VT-H-750/05		S93H1V113	SAT	
-	-	M-1C C.S. UP SPRINGER NOZ 1C TO JUNCTION BOX C - 90-170 DEG	VT-H-750/05		S93H1V114	SAT	
-	-	M-1 C.S. UP SPRINGER JUNCTION BOX C TO NOZ 53C - 170-270 DEG	VT-H-750/05		S93H1V115	SAT	
-	-	M-2A C.S. UP/LWR SPRGR RING NOZZLE 1B TO 53A - 270-90 DEG	VT-H-750/05		S93H1V116	SAT	
-	-	M-2B C.S. UP/LWR SPRGR RING NOZZLE 1D TO 53C - 90-270 DEG	VT-H-750/05		S93H1V117	SAT	
-	-	M-3A C.S. LOWER SPRGR NOZ 1B TO JUNCTION BOX B - 270-350 DEG	VT-H-750/05		S93H1V118	SAT	
-	-	M-3B C.S. LOWER SPRGR JUNCTION BOX B TO NOZ 53B - 350-90 DEG	VT-H-750/05		S93H1V119	SAT	
-	-	M-3C C.S. LOWER SPRGR NOZ 1D TO JUNCTION BOX D - 90-190 DEG	VT-H-750/05		S93H1V120	SAT	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
- - NUREG CR-4523	- -	M-3D C.S. LOWER SPRGR JUNCTION BOX D TO NOZ 53D - 190-270 DEG	VT-H-750/05		S93H1V121	SAT	
- - NUREG CR-4523	- -	M-4 JUNCTION BOX B REPAIR CLAMP	VT-H-750/05		S93H1V122	SAT	
- - NUREG CR-4523	- -	N-1A 90 DG CORE SPRY S-PP HEADER- SHROUD TO LOWER ELBOW 1 @ 10 DEG	VT-H-750/05		S93H1V126	SAT	
- - NUREG CR-4523	- -	N-1B 90 DG CORE SPRY S-PP LOWER ELBOW 2 @ 10 DEG	VT-H-750/05		S93H1V127	SAT	
- - NUREG CR-4523	- -	N-1C 90 DG CORE SPRY S-PP VERT RUN- LWR ELBOW TO CPLG 3 @ 10 DEG	VT-H-750/05		S93H1V128	SAT	
- - NUREG CR-4523	- -	N-1D 90 DG CORE SPRY S-PP COUPLING 4 @ 10 DEG	VT-H-750/05		S93H1V129	SAT	
- - NUREG CR-4523	- -	N-1E 90 DG CORE SPRY S-PP VERT RUN COUPLING TO UP ELB 5 @ 10 DEG	VT-H-750/05		S93H1V130	SAT	
- - NUREG CR-4523	- -	N-1F 90 DG CORE SPRY S-PP UPPER ELBOW 6 @ 10 DEG	VT-H-750/05		S93H1V131	SAT	
- - NUREG CR-4523	- -	N-1G 90 DG CORE SPRY S-PP HORIZ SEC- UPPER ELB TO BRCKT 7 @ 30 DEG	VT-H-750/05		S93H1V132	SAT	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
- - NUREG CR-4523	- -	N-1H 90 DG CORE SPRY S-PP BRACKET AT 30 DEG @ 8	VT-H-750/05		S93H1V133	SAT	
B13.21 B-N-2 ASME	- -	N-1I 90 DG CORE SPRY S-PP BRACKET ATTACHMENT WELDS - 30 DEG BRACK	VT-H-750/05		S93H1V134	SAT	
- - NUREG CR-4523	- -	N-1J 90 DG CORE SPRY S-PP HORIZ SEC- BRACKET TO JUNC BOX 9 @ 30 DE	VT-H-750/05		S93H1V135	SAT	
- - NUREG CR-4523	- -	N-1K 90 DG CORE SPRY S-PP JUNCTION BOX 10 @ 90 DEG	VT-H-750/05		S93H1V136	SAT	
- - NUREG CR-4523	- -	N-1L 90 DG CORE SPRY S-PP HORIZ SEC- JUNC BOX TO BRCKT 12 @ 150 DE	VT-H-750/05		S93H1V137	SAT	
- - NUREG CR-4523	- -	N-1M 90 DG CORE SPRY S-PP BRACKET 13 @ 150 DEG	VT-H-750/05		S93H1V138	SAT	
B13.21 B-N-2 ASME	- -	N-1N 90 DG-CORE SPRY S-PP BRACKET ATTACHMENT WELDS - 150 DEG	VT-H-750/05		S93H1V139	SAT	
- - NUREG CR-4523	- -	N-1O 90 DG CORE SPRY S-PP HORIZ SEC- BRCKT TO UP ELBOW 14 @ 150 DE	VT-H-750/05		S93H1V140	SAT	
- - NUREG CR-4523	- -	N-1P 90 DG CORE SPRY S-PP UPPER ELBOW 15 @ 170 DEG	VT-H-750/05		S93H1V141	SAT	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
- - NUREG CR-4523	- -	N-1Q 90 DG CORE SPRY S-PP VERT RUN - UP ELBOW TO COUP 16 @ 170 DE	VT-H-750/05		S93H1V142	SAT	
- - NUREG CR-4523	- -	N-1R 90 DG CORE SPRY S-PP COUPLING 17 @ 170 DEGREES	VT-H-750/05		S93H1V143	SAT	
- - NUREG CR-4523	- -	N-1S 90 DG CORE SPRY S-PP VERT RUN- COUP TO LOW ELBOW 18 @ 170 DEG	VT-H-750/05		S93H1V144	SAT	
- - NUREG CR-4523	- -	N-1T 90 DG CORE SPRY S-PP LOWER ELBOW 19 @ 170 DEG	VT-H-750/05		S93H1V145	SAT	
- - NUREG CR-4523	- -	N-1U 90 DG CORE SPRY S-PP HEADER-LOW ELBOW TO SHROUD 20 @ 170 DEG	VT-H-750/05		S93H1V146	SAT	
- - NUREG CR-4523	- -	N-1V 90 DG CORE SPRY S-PP S-PIPE JUNCTION BOX TO NOZ 11 @ 150 DEG	VT-H-750/05		S93H1V147	SAT	
- - NUREG CR-4523	- -	N-2A 270 DEG CORE SPRAY S-PP HDR - SHROUD TO LWR ELB 1 @ 190 DEG	VT-H-750/05		S93H1V148	SAT	
- - NUREG CR-4523	- -	N-2B 270 DEG CORE SPRAY S-PIPE LOWER ELBOW 2 @ 190 DEG S-PIPE	VT-H-750/05		S93H1V149	SAT	
- - NUREG CR-4523	- -	N-2C 270 DEG CORE SPRAY S-PP VERT RUN-LOW ELB TO COUP 3 @ 190 DG	VT-H-750/05		S93H1V150	SAT	
- - NUREG CR-4523	- -	N-2D 270 DEG CORE SPRAY S-PIPE COUPLING 4 @ 190 DEG	VT-H-750/05		S93H1V151	SAT	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
- - NUREG CR-4523	- -	N-2E 270 DEG CORE SPRAY S-PP VERT COUPLING TO UP ELB 5 @ 190 DEG	VT-H-750/05		S93H1V152	SAT	
- - NUREG CR-4523	- -	N-2F 270 DEG CORE SPRAY S-PIPE UPPER ELBOW 6 @ 190 DEG	VT-H-750/05		S93H1V153	SAT	
- - NUREG CR-4523	- -	N-2G 270 DEG CORE SPRAY S-PP HORIZ SC-UP ELB TO BRCKT 7 @ 210 DG	VT-H-750/05		S93H1V154	SAT	
- - NUREG CR-4523	- -	N-2H 270 DEG CORE SPRAY S-PP BRACKET AT 210 DEG	VT-H-750/05		S93H1V155	SAT	
B13.20 B-N-2 ASME	- -	N-2I 270 DEG CORE SPRAY S-PP BRACKET ATTACHMENT WELDS @ 210 DEG	VT-H-750/05		S93H1V156	SAT	
- - NUREG CR-4523	- -	N-2J 270 DEG CORE SPRAY S-PP HORIZ SC-BRCKT TO JNC BX 9 @ 210 DG	VT-H-750/05		S93H1V157	SAT	
- - NUREG CR-4523	- -	N-2K 270 DEG CORE SPRAY S-PP JUNCTION BOX 10 @ 270 DEG	VT-H-750/05		S93H1V158	SAT	
- - NUREG CR-4523	- -	N-2L 270 DEG CORE SPRAY S-PP HORIZ SEC-JNC BX TO BRCKT 12 @ 330	VT-H-750/05		S93H1V159	SAT	
- - NUREG CR-4523	- -	N-2M 270 DEG CORE SPRAY S-PP BRACKET 13 @ 330 DEG	VT-H-750/05		S93H1V160	SAT	
B13.20 B-N-2	- -	N-2N 270 DEG CORE SPRAY S-PP BRACKET	VT-H-750/05		S93H1V161	SAT	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
IN-VESSEL VISUAL EXAMINATIONS

<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
ASME		ATTACHMENT WELDS @ 330 DEG					
- - NUREG CR-4523	- -	N-20 270 DEG CORE SPRAY S-PP HORIZ SC-BRCKT TO UP ELB 14 @ 330 DG	VT-H-750/05		S93H1V162	SAT	
- - NUREG CR-4523	- -	N-2P 270 DEG CORE SPRAY S-PP UPPER ELBOW 15 @ 330 DEG	VT-H-750/05		S93H1V163	SAT	
- - NUREG CR-4523	- -	N-2Q 270 DEG CORE SPRAY S-PP VERT RUN-UP ELB TO COUP 16 @ 350 DG	VT-H-750/05		S93H1V164	SAT	
- - NUREG CR-4523	- -	N-2R 270 DEG CORE SPRAY S-PIPE COUPLING 17 @ 350 DEG	VT-H-750/05		S93H1V165	SAT	
- - NUREG CR-4523	- -	N-2S 270 DEG CORE SPRAY S-PP VERT RUN-COUP TO LOW ELB 18 @ 350 D	VT-H-750/05		S93H1V166	SAT	
- - NUREG CR-4523	- -	N-2T 270 DEG CORE SPRAY S-PIPE LOWER ELBOW 19 @ 350 DEG	VT-H-750/05		S93H1V167	SAT	
- - NUREG CR-4523	- -	N-2U 270 DEG CORE SPRAY S-PP HDR - LWR ELB TO SHROUD 20 @ 350 DG	VT-H-750/05		S93H1V168	SAT	
- - NUREG CR-4523	- -	N-2V 270 DEG CORE SPRAY S-PP JUNCTION BOX TO NOZ 11 @ 330 DEG	VT-H-750/05		S93H1V169	SAT	
- - - -	- -	O-3E FEEDWATER NOZZLE INNER RADIUS @ 225 DEG INNER RADIUS @ 225 D	VT-H-750/05		S93H1V172	SAT	

E.I. HATCH UNIT 1 SPRING 1993 REFUELING OUTAGE
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<u>ASME SECTION XI</u>	<u>EXAM FIGURE NO.</u>	<u>EXAMINATION/AREA</u>	<u>EXAMINATION PROCEDURE</u>	<u>CAL BLOCK</u>	<u>EXAM/CAL SHEET NO.</u>	<u>RESULTS</u>	<u>REMARKS</u>
- -	- -	D-4E FEEDWATER NOZZLE INNER RADIUS @ 315 DEG INNER RADIUS @ 315 D	VT-H-750/05		S93H1V1	SAT	
B13.21 B-N-2 ASME	- -	P-1 CRD STUB TUBES	VT-H-750/05		S93H1V123	SAT	
B13.21 B-N-2 ASME	- -	P-3 SHROUD SUPPORT WELD FROM BELOW CORE	VT-H-750/05		S93H1V125	SAT	Examined area made accessible during 0° and 180° access hole cover replacement.

SUMMARY
OF CLASS 1 AND 2
REPAIRS AND REPLACEMENTS

REPAIRS AND REPLACEMENTS

GPC procedure 42EN-ENG-014-OS provides guidelines for determining the ASME Section XI, repair/replacement requirements at E.I. Hatch Nuclear Plant. The site Repair/Replacement Coordinator maintains an itemized listing of Class 1 and 2 repair/replacement activities for each cycle. The following tables provide an itemized list of those components which were included in the ASME Section XI Repair and Replacement Program. Copies of the individual Repair/Replacement evaluation sheets are filed with the MWO Packages and are available for review at the site.

ATTACHMENT TO THE OWNER'S DATA REPORT
REPAIR AND REPLACEMENT SUMMARY

<u>MPL NUMBER</u>	<u>ASME CLASS</u>	<u>DESCRIPTION OF PROBLEM</u>	<u>SUITABILITY OF REPAIR/REPLACEMENT</u>	<u>MWO/DCR</u>	<u>CODE NDE</u>	<u>PRESSURE TEST</u>
1P41-F052 VALVE	2	VALVE BODY HAS PITS IN IT AND MUST BE REPLACED.	THE VALVE BODY BEING USED HAS BEEN APPROVED BY DEDICATION UPGRADE. REPAIRS WILL BE MADE PER PROCEDURE AND INSPECTIONS PERFORMED PER SECTION XI.	1-91-6790	SURFACE	HYDROSTATIC
1E41-D004 HANGER/SNUBBER	2	HANGER AND SNUBBER ARE OUT OF ADJUSTMENT.	THIS PROBLEM IS INSTALLATION RELATED AND IS NOT ATTRIBUTABLE TO SERVICE INDUCED DEGRADATION OR FAILURE. PROPOSED REPAIR IS ACCEPTABLE.	1-91-7235 REV. 2	VT-3	N/A
1E11-F125A CHECK VALVE	2	CHECK VALVE STICKS OPEN.	REPLACEMENT OF SPRING WILL INSURE VALVE OPERATES PROPERLY, AND IS A SUITABLE METHOD OF REPAIR.	1-92-584	N/A	MWO FUNCTIONAL TEST
1-E11-F031B CHECK VALVE	2	DISC HAS SEPARATED FROM HINGE PINS. REPLACE WITH NEW DISC.	DISC REPLACEMENT WILL BE WITH LIKE IN KIND DISC. CAUSE OF FAILURE WAS SEPARATION FROM HINGE PINS RETAINING NUT CAME LOOSE. NOT KNOWN AT THIS TIME AS TO WHY THIS HAPPENED.	1-92-1466 REV. 1	N/A	MWO FUNCTIONAL TEST
1E51-F045 4" POPPET (DISC,GLOBE TYPE)	2	DISC HAS A LINEAR INDICATION RUNNING ALONG THE PATH OF STEM TRAVEL. INDICATION IS TOO LARGE FOR REMOVAL.	DISC WILL BE REPLACED WITH IDENTICAL COMPONENT. ALL WORK IS IN ACCORDANCE WITH APPLICABLE ASME CODE AND PLANT PROCEDURES. THIS IS A SUITABLE METHOD OF REPAIR. CAUSE OF FAILURE IS UNKNOWN.	1-92-1744 Rev. 3	N/A	OPERATING PRESSURE TEST
1E51-F001 GLOBE STOP CHECK	2	REPLACE THE DISC, SEAT RING, GASKET AND PACKING DUE TO NORMAL WEAR.	REPLACEMENT OF THESE PARTS WILL ENSURE VALVE TO OPERATE PROPERLY.	1-92-2199 Rev. 1	N/A	MWO FUNCTIONAL TEST
1E11-F025B LPCI LOOP RELIEF VALVE	2	1E11-F025B RELIEF VALVE WILL BE REMOVED AND REPLACED WITH A NEW VALVE. VALVE WILL BE WELDED TO EXISTING PIPE.	OLD VALVE HAS DEGRADED OVER TIME DUE TO MAINTENANCE ACTIVITIES (SPECIFICALLY IN SEAT AREA). REPLACEMENT IS IN ACCORDANCE WITH APPLICABLE CODES AND PROCEDURES.	1-92-4715	SURFACE	HYDROSTATIC
1E21-F032A RELIEF VALVE	2	MINOR BLEMISHES ON DISC SEATING SURFACE IS PRECLUDING SUCCESSFUL TESTING OF THIS VALVE.	REPLACEMENT OF THE BLEMISHED DISC IS SUITABLE BECAUSE IT IS AN EXACT REPLACEMENT, AND IT WILL ALLOW SUCCESSFUL TESTING OF THIS VALVE.	1-92-4728	N/A	MWO FUNCTIONAL TEST
1E41-F022 VALVE	2	REPLACEMENT OF A 2" VELAN CHECK VALVE WITH A VOGT 2". MACHINING OF VALVE DISC REVEALED INHERENT VOID IN MATERIAL. NO REPLACEMENT AVAILABLE.	PER DCR VOGT VALVE IS AN ACCEPTABLE REPLACEMENT. PIPE REPLACEMENT IS TO FACILITATE REPAIR AND IS ACCEPTABLE. IT IS PER CONSTRUCTION CODE AND WILL BE INSPECTED PER ASME XI CLASS II.	1-92-6698 Rev. 2	SURFACE	OPERATING PRESSURE TEST DOWNSTREAM; HYDROSTATIC UPSTREAM
1E11-F078A VALVE	2	REPLACE DISC AND NUT. DISC HAS MINOR PITTING.	REPLACEMENT PARTS ARE IDENTICAL TO ORIGINAL PARTS. CAUSE OF FAILURE APPEARS TO BE NORMAL FOR THIS TYPE INSTALLATION.	1-92-6701 REV. 1	N/A	MWO FUNCTIONAL TEST

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REPAIR AND REPLACEMENT SUMMARY

<u>MPL NUMBER</u>	<u>ASME CLASS</u>	<u>DESCRIPTION OF PROBLEM</u>	<u>SUITABILITY OF REPAIR/REPLACEMENT</u>	<u>MWO/DCR</u>	<u>CODE NDE</u>	<u>PRESSURE TEST</u>
1B21-SS-1 SNUBBER	1	REMOVE AND FUNCTIONAL TEST SNUBBER. IF SNUBBER FAILS FT THEN REPLACE WITH NEW OR REBUILT SNUBBER.	SNUBBER FAILED FUNCTIONAL TEST AND WAS REPLACED WITH A REBUILT SNUBBER FROM STOCK. CAUSE OF FAILURE IS UNKNOWN AT THIS TIME.	1-92-6776	VT-3	N/A
1E11-F088 VALVE	2	REPLACE THE WEDGE GATE IN VALVE 1E11-F088 DUE TO NORMAL SERVICE WEAR.	THE REPLACEMENT WEDGE GATE IS SUITABLE BECAUSE IT MATCHES THE ORIGINAL CLASSIFICATION FOR ASME III CLASS II AND THE WEAR IS CONSIDERED NORMAL FOR THIS TYPE SERVICE.	1-92-6869	N/A	MWO FUNCTIONAL TEST
1B31-F023A/B 1B31-F031A/B VALVES	1	REMOVE THE BONNET VENT LINES AND PLUG WITH TAPER PLUGS PER DCR 1H92-076.	SEALING BONNET PORTS OF THESE VALVES WITH TAPER PLUGS AND SEAL WELDS IS AN APPROVED METHOD OF REPLACEMENT OF THESE VENT LINES. REMOVAL OF PIPING IS TO PREVENT FORCED OUTAGES DUE TO CRACKING OF PIPING DUE TO IGSCC.	1-93-33 1H92-076	SURFACE	PRESSURE TEST DURING VESSEL PRESSURE TEST
1E41-F008 VALVE	2	INSTALL NEW HPCI TEST VALVE TO CST AND RELOCATE 1E51 LINE.	THIS REPLACEMENT IS BEING PERFORMED UNDER AN APPROVED DESIGN CHANGE REQUEST FOR IMPROVEMENT OF SYSTEM OPERATION. SUITABILITY EVALUATION IS COVERED BY THIS DCR.	1-93-252	SURFACE VOLUMETRIC VISUAL	HYDROSTATIC
1E21-F040A VALVE	2	REPLACE VELAN STOP CHECK VALVE WITH VOGT STOP CHECK VALVE	VOGT VALVE HAS BEEN APPROVED AS A SUITABLE REPLACEMENT ON GENERIC DCR 88-251. REPLACEMENT IS IN ACCORDANCE WITH PLANT PROCEDURES AND APPLICABLE CODES.	1-93-418 REV. 1 88-251	SURFACE	OPERATING PRESSURE TEST
1E41-F001 VALVE	2	ROTATE 1E41-F001 VALVE SO THAT THE OPERATOR IS IN THE VERTICAL POSITION.	VALVE IS BEING ROTATED PER AN APPROVED DESIGN CHANGE REQUEST. NO INSERVICE FAILURE INVOLVED.	1-93-441 REV. 1	SURFACE VOLUMETRIC VT-2	HYDROSTATIC
1E41 PIPE	2	LINEAR INDICATION FOUND DURING WELD PREP PT. INDICATION WILL BE GROUND OUT AND REPLACED WITH WELD METAL.	REPAIR METHOD IS THE NORMAL METHOD OF REPAIRING BASE METAL DEFECTS. APPROVED WELDERS AND WELD PROCEDURES ARE BEING USED. CAUSE OF INDICATION IS NOT KNOWN. WELD HAS NOT BEEN EXAMINED THIS 10 YR. INTERVAL.	1-93-441	SURFACE VOLUMETRIC VT-2	HYDROSTATIC
1E11 VALVES, PIPING, AND SUPPORTS	2	REMOVE PIPING, VALVES, AND SUPPORTS AS DESCRIBED IN DCR 1H92-007.	PIPING IS BEING REMOVED PER APPROVED DESIGN CHANGE REQUEST. NO SERVICE INDUCED FAILURE INVOLVED. HEAD SPRAY PIPE IS NO LONGER USED.	1-93-451 1H92-007	SURFACE VOLUMETRIC VT-2	HYDROSTATIC AND OPERATING PRESSURE TEST
1B31-C001A RECIRC SEAL VENT	1	INDICATION FOUND IN WELD. GRIND OUT AND INDICATION AND REPAIR.	REMOVAL OF INDICATIONS FROM WELD JOINTS AND REWELDING IS A NORMAL METHOD OF REPAIR. CAUSE OF INDICATION IS NOT KNOWN AT THIS TIME.	1-93-774 REV. 1	SURFACE	OPERATING PRESSURE TEST DURING RECIRC PUMP RUN.

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REPAIR AND REPLACEMENT SUMMARY

<u>MPL NUMBER</u>	<u>ASME CLASS</u>	<u>DESCRIPTION OF PROBLEM</u>	<u>SUITABILITY OF REPAIR/REPLACEMENT</u>	<u>MWO/DCR</u>	<u>CODE NDE</u>	<u>PRESSURE TEST</u>
B11-A001 ACCESS HOLE COVER	1	REMOVE EXISTING ACCESS HOLE COVERS AND REPLACE WITH BOLTED COVERS.	REPLACEMENT OF HOLE COVER IS BEING PERFORMED UNDER AN APPROVED DESIGN CHANGE REQUEST. SUITABILITY OF THIS REPLACEMENT IS COVERED UNDER THIS DCR. REPLACEMENT IS BEING DONE TO PREVENT AND ELIMINATE IGSCC.	1-93-1252	VT-3	N/A
1E11-RHR-H400 PIPE CLAMP	2	CLAMP IS OUT OF ALIGNMENT WITH SNUBBER. REALIGN AND CLAMP.	CLAMP IS BEING ALIGNED BY SKILL OF THE CRAFT. CAUSE OF FAILURE APPEARS TO BE CAUSED BY PIPE MOVEMENT DURING OPERATION.	1-93-1319	VT-3	N/A
1E41-F003 VALVE	1	REPLACE VALVE WEDGE.	ORIGINAL WEDGE HAD INDICATIONS IN HARD SURFACING ON SEAT. INDICATIONS WERE INDUCED BY SERVICE CONDITIONS. NEW WEDGE IS FREE OF INDICATIONS AND IS A SUITABLE REPLACEMENT.	1-93-1324	N/A	PRESSURE TEST DURING VESSEL PRESSURE TEST
1B21-N11B PIPING	1	REPLACE COUPLING ON SENSING LINE FROM VESSEL. WELD HAS PIN HOLE LEAK AT COUPLING.	COUPLING IS BEING REPLACED UNDER APPROVED PLANT PROCEDURES. CAUSE OF FAILURE WAS IGSCC.	1-93-1481 REV. 1	SURFACE VT-3	WILL BE INSPECTED DURING VESSEL PRESSURE TEST
1E11-RHRW PIPE	2	WELD HALF COUPLING TO 10" LINE TO FACILITATE VENT LINE INSTALLATION.	THIS WORK IS BEING PERFORMED UNDER AN APPROVED DCR. SUITABILITY IS ADDRESSED VIA THE DCR 1H91-173. NO SERVICE INDUCED FAILURE INVOLVED.	1-93-2978 1H91-173	SURFACE VT-2	HYDROSTATIC
1B31 SNUBBERS	1	REPLACE EXISTING SNUBBERS WITH NEW LIESEGA SNUBBERS.	THE NEW SNUBBERS ARE MORE RELIABLE. SPARE PARTS REQUIREMENTS ARE LESS.	1-90-2736 1H86-402	VISUAL	N/A
1B21-109-H010 SNUBBER	1	SNUBBER FAILED THE DRAG TEST. REMOVE AND REBUILD.	REPAIR OF HYDRAULIC SNUBBERS IS PERFORMED USING A CONTROLLED REPAIR PROGRAM. CAUSE OF FAILURE IS NORMAL WEAR OF PARTS.	1-91-6217	VT-4	N/A