

OWNER'S DATA REPORT

FOR

INSERVICE INSPECTION

EDWIN J. HATCH NUCLEAR PLANT

UNIT 2

SEPTEMBER 1992 - NOVEMBER 1992

PREPARED BY: John A. Miller

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NOTE: Portions of this report are compiled from Southern Nuclear Operating Company issued report; "Nondestructive Examination Of Selected Class 1, 2, and 3 Components", for the Fall 1992 Refueling Outage at E.I. Hatch Nuclear Plant, Unit 2. 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 System
CRD	Control Rod Drive System
CS	Core Spray System
CU	Clean-up
C&L	Cramer and Lindell Engineers
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 System
FW	Feedwater System
GE	General Electric
GPC	Georgia Power Company
HL	Hanger Lug
HPCI	High Pressure Coolant Injection System
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
Lc	Zero Reference Location
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 System
MSA	Main Steam Auxiliary System
MT	Magnetic Particle Examination
MWO	Maintenance Work Order
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 System
PT	Liquid Penetrant Examination
QC	Georgia Power Company Quality Control
RC	Reactor Recirculation System
RCIC	Reactor Core Isolation Cooling System
RHR	Residual Heat Removal System
RHRSW	Residual Heat Removal Service Water System
RI	Recordable Indication
RINTSA	Recirculation Inlet Nozzle Thermal Sleeve Attachment Welds
RL	Refracted Longitudinal
RL	Restraint Lug
RPV	Reactor Pressure Vessel
RX	Reactor
RWCU	Reactor Water Cleanup System
SBLC	Standby Liquid Control System
SIAI	Structural Integrity Associates, Inc.
SER	Service
SRV	Safety Relief Valve
SNC	Southern Nuclear Operating Company
TDP	Torus Drainage and Purification System
TSB	Turbine Steam Bypass System
UT	Ultrasonic Examination
UTL	Universal Testing Laboratories
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 2 4. Owner Certificate of Authorization (if req.) N/A
5. Commercial Service Date 09/05/79 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.	70101	N/A	11570
Rx. Pressure Vessel	Combustion Eng.	70101	N/A	11570
2B21 Main Steam	Pullman Power Prod.	*	N/A	N/A
2B21 Feedwater	Pullman Power Prod.	*	N/A	N/A
2B21 M.S. Relief	Pullman Power Prod.	*	N/A	N/A
2B31 Rx. Recirc	Pullman Power Prod.	*	N/A	N/A
2B31 Recirc Pump	Byron Jackson	*	N/A	N/A
2C11 CPD	Pullman Power Prod.	*	N/A	N/A
2C41 SBLC	Pullman Power Prod.	*	N/A	N/A
2E11 RHR	Pullman Power Prod.	*	N/A	N/A
2E21 Core Spray	Pullman Power Prod.	*	N/A	N/A
2E41 HPCI	Pullman Power Prod.	*	N/A	N/A
2E51 RCIC	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 of 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.

cont. on next page

7. Components Inspected (continued):

<u>Component 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>
2G31 RWCU	Pullman Power Prod.	*	N/A	N/A
2G41 FPC & CU	Pullman Power Prod.	*	N/A	N/A
2G51 Torus Wtr CU	Pullman Power Prod.	*	N/A	N/A
2N11 M S Auxiliary	Pullman Power Prod.	*	N/A	N/A
2P11 Cond. System	Pullman Power Prod.	*	N/A	N/A
2P41 Plt Serv Water	Pullman Power Prod.	*	N/A	N/A
2T48 Conv. Purge	Pullman Power Prod.	*	N/A	N/A

- * - Spool piece of 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.

FORM NIS-1 (Back)

8. Examination Dates 06/02/91 to 11/20/92.
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 9 Feb 19 93 Signed Georgia Power Company By D. J. [Signature]
AGM-PS
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 06/91 to 11/92 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 10 FEB 19 93

D. R. Leake 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: January 20, 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
Dawley, Georgia 31513

Name Assigned to Nuclear Plant Station:

Edwin I. Hatch Nuclear Plant
Unit 2

Commercial Service Date: September 5, 1979

Gross Generating Capability:

2436 MWt, 817.3 MWe

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

National Board Number Assigned by Manufacturer: N/A

Name of Component or Part of Component ISI Involved:

Representative samples of the following components and areas were examined with nondestructive testing techniques.

Class 1

Reactor Pressure Vessel
Reactor Pressure Vessel Closure Head
Main Steam Piping System
Feedwater Piping System
Residual Heat Removal System
Control Rod Drive System
Reactor Recirculation System
Core Spray System
Reactor Water Cleanup System
Valve Internal Surfaces
High Pressure Coolant Injection System

Class 2

RHR System
Core Spray System
HPCI System
RCIC System
Control Rod Drive System
Containment Purge and Inerting System
Reactor Water Cleanup System
Main Steam Piping System
Torus Water Cleanup System

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
SBLC (2C41)	2	1 Hydrostatic*
RHR (2E11)	2	2 Hydrostatic*
HPCI (2E41)	2	1 Hydrostatic
HPCI (2E41)	2	1 Hydrostatic*
FPC (2C41)	3	1 Inservice
PSW (2P41)	3	4 Hydrostatic

* Pressure test performed per ASME Section XI code Case N-498.

Pipe Support & Hanger Examination

Class 1

Main Steam System
Residual Heat Removal System
Feedwater System
Reactor Recirculation System

Class 2

High Pressure Coolant Injection System
Residual Heat Removal System
Reactor Core Isolation Cooling System
Main Steam System
Torus Water Cleanup System
Main Steam Auxiliary System
Standby Liquid Control SBLC System
Core Spray System
Drywell Cooling System

Class 3

Main Steam Safety/Relief Valve Discharge System
RHR Service Water System
Plant Service Water System
Fuel Pool Cooling & Cleanup System
Reactor Building Chilled Water 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. Lisega USA
Laconia, NH
4. Valves, Pumps, and Heat Exchangers
 - a. Byron-Jackson, Inc.
Los Angeles, CA
 - b. Crane
New York, NY
 - c. Wm. Powell Company
Cincinnati, OH
 - d. General Electric
San Jose, CA

Date of Inservice Inspection:

September 1992 - November 1992

Completion Date of Inservice Inspection:

November 20, 1992

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 2 was performed during the Fall 1992 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 2 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 assisted SNC personnel with VT examination of selected RPV internal components. SNC or GPC NDE procedures were utilized for all ASME Section XI Examinations except as noted below. GE personnel were qualified to the applicable SNC procedures. EPRI certified 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.

SNC and C&L personnel performed eddy current examinations of ASME and non ASME Section XI components per a request from GPC. C&L procedures were utilized for the performance of the eddy current examinations.

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, 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.
- SNC "Inservice Inspection Outage Plan, Edwin I. Hatch Nuclear Plant, Unit 2 1992 Fall Refueling Outage, Revision 0."
- SNC "Second Ten-Year Examination Plan, Edwin I. Hatch Nuclear Plant Unit 2."
- United States Nuclear Regulatory Commission NUREG 0803, "Generic Safety Evaluation Report Regarding Integrity of BWR SCRAM System Piping."

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 (2B11)
Main Steam System (2B21)
Feedwater System (2B21)
Reactor Recirculation System (2B31)
Control Rod Drive System (2C11)
Standby Liquid Control System (2C41)
Residual Heat Removal System (2E11)
Core Spray System (2E21)
High Pressure Coolant Injection System (2E41)
Reactor Water Cleanup System (2G31)
Valve Internals
Valve Bolting

Class 2

Residual Heat Removal System (2E11)
Core Spray System (2E21)
High Pressure Coolant Injection System (2E41)
Containment Purge and Inerting System (2T48)
Control Rod Drive System (2C11)
Reactor Water Cleanup System (2G31)
Reactor Core Isolation Cooling System (2E51)
Main Steam Auxiliary System (2N11)
Torus Water Cleanup (2G51)

Class 3

Service Water System (2E11) (2P41)
Fuel Pool Cooling System (2G41)
Main Steam Relief Valve Discharge Piping (2B21)
Condensate Storage Tank (2P11)

Other - Augmented (Non ASME Section XI)

Eddy-current examinations were performed on the following components:
Unit 2 Feedwater Heaters 4A, 4B, 5A, 6B, 8A, 8B, 10A, 10B, one (1)
Reactor Building Chiller, Turbine Stator Cooler 2B, and Emergency Diesel Generator 2C, and 1B Jacket Water Coolers, Lube Oil Coolers, and Air Coolers.

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". Additionally four Class 1 Feedwater components were measured for thickness in response to reported erosion/corrosion at Susquehanna.

Seven (7) RWCU System welds were examined using ultrasonic examinations techniques (UT) due to augmented commitments made by GPC. These exams are not required by the ASME Section XI Code but were performed due to augmented commitments to NUREG 0313.

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

Fourteen (14) Category A welds were examined using UT and PT examination techniques. No reportable indications were detected.

Category D

There are twenty (20) Category D circumferential welds at Plant Hatch Unit 2. Eleven (11) of the total of twenty (20) Category D circumferential welds were examined during the outage using UT and PT techniques. No reportable indications were detected.

Five (5) RINTSA welds were examined by UT and no reportable indications were detected. Five (5) of these welds (50%) are examined each outage. These welds are categorized as "D" for NUREG 0313.

Category E

A UT examination was performed on weld 2B21-1FW-12AA-9 which was overlay repaired last refueling outage. No crack growth was observed.

Category L

Two (2) Category L Support Lug attachment welds were examined using PT NDE techniques. No reportable indications were detected.

NUREG 0619

GPC is committed to the performance of surface and volumetric examinations on welds susceptible to crack growth due to thermal cycling in accordance with NUREG 0619. Twenty (20) welds were examined as augmented exams in response to this NUREG. No reportable indications were detected.

Other Class 1 Examinations

Forty-two (42) ASME Section XI component examinations were performed utilizing UT, MT, PT and VT as applicable. These examinations included RPV welds, RPV bolting materials, piping welds, valve internals, and valve bolting materials.

Per IE Bulletin 30-13, 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 the RPV internal components. Indications were found on vessel internals that indicated an off center lift of the Steam Dryer. Additionally reportable indications were found on the Azimuth 180 degrees Shroud Support Ring Access Cover Weld. See the In-vessel Inspection section of this report for more detailed information on resolution and disposition of in-vessel indications.

Nine (9) Class 1 valves were disassembled for maintenance/inspection during the outage. The internals of these valves were VT inspected by GPC Q.C. personnel. Feedwater valves 2B21-F010B and 2B21-F077B, Core Spray Valve 2E21-F006B, and RHR check valve 2E11-F050B failed their "as found" internal VT exam. Repairs were made under MWO 2-92-5258, 2-92-5149, 2-92-3628 and 2-92-5237 respectively. None of the remaining valves exhibited any unacceptable conditions relevant to the visual examination.

Class II Examinations

Thirty-four (34) welds were examined using surface and/or volumetric NDE techniques as applicable. Three (3) of these welds were examined per NUREG 0619 (UT only), one (1) was examined per NUREG-0803 (MT only), six (6) were augmented surface examinations and the remaining twenty four (24) were per ASME Section XI requirements. One weld on the HPCI system detected two linear surface indications and a surface planar indication. The surface linear indications were removed and the planar indication was code acceptable.

Pressure Testing

Five (5) Class 2 Hydrostatic Tests, four (4) Class 3 Hydrostatic Tests, one (1) Class 3 Inservice Test, and a Class 1 System Leakage Test were all performed satisfactorily. Four (4) of the Class 2 Hydrostatic Tests were performed per ASME Section XI Code Case N-498. See Pressure Test Section of Report for specific test identifications and details.

Augmented Examination

Seven (7) welds in the Class 3 portion of the RWCU System were examined by UT per a GPC commitment to the NRC for NUREG 0313 augmented requirements. No reportable indications were detected.

Pipe Support Examinations (Class 1, 2 and 3)

Twenty-three (23) pipe supports were VT examined during the outage. Of these, four (4) produced unacceptable results. After maintenance and/or engineering evaluation, all of the unacceptable component supports were determined to be acceptable. Where maintenance was required, the component supports were re-examined to confirm acceptability.

Equipment Support Examinations (Class 2 and 3)

Ten (10) equipment supports were VT examined during the outage. No unacceptable indications were reported.

Snubbers (Class 1, 2 and 3)

Three hundred and eight (308) snubbers were VT examined per GPC QC procedures. Of these, six (6) were reported with unacceptable results. After engineering evaluation, all of the unacceptable snubbers were determined to be acceptable.

Repairs and Replacements (Class 1 and 2)

Numerous repair/replacement activities were performed during the outage. Major repair/replacement activities included replacement of two HPCI valves (F001, F008) under design changes as part of an overall system upgrade. 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

<u>Identification</u>	<u>Indication</u>	<u>Corrective Action</u>
COMPONENT 2-MS7-9	THICKNESS BELOW THE ACTION LEVEL	ACCEPTABLE AS IS WITH FUTURE MONITORING
COMPONENT 2-MS7-11	THICKNESS BELOW THE ACTION LEVEL	ACCEPTABLE AS IS WITH FUTURE MONITORING
COMPONENT 2-MS7-12	THICKNESS BELOW THE ACTION LEVEL	ACCEPTABLE AS IS WITH FUTURE MONITORING
COMPONENT 2-1R4-8	THICKNESS BELOW THE ACTION LEVEL	REPLACED WITH STAINLESS STEEL REDUCER MWO 2-92-5083 *
COMPONENT 2-1R4-9	THICKNESS BELOW THE ACTION LEVEL	CLAD WELDED WITH STAINLESS STEEL WELD MATERIAL MWO 2-92-5083 *
COMPONENT 2-1R4-10	THICKNESS BELOW THE ACTION LEVEL	CLAD WELDED WITH STAINLESS STEEL WELD MATERIAL MWO 2-92-5083 *
COMPONENT 2-1R4-11	THICKNESS BELOW THE ACTION LEVEL	REPLACED WITH STAINLESS STEEL REDUCER MWO 2-92-5083 *
COMPONENT 2-2R4-3	THICKNESS BELOW THE ACTION LEVEL	REPLACED WITH CARBON STEEL REDUCER MWO 2-92-5083 *
COMPONENT 2-2R4-10	THICKNESS BELOW THE ACTION LEVEL	REPLACED WITH STAINLESS STEEL REDUCER MWO 2-92-5083 *
COMPONENT 2-2R4-8	THICKNESS BELOW THE ACTION LEVEL	ACCEPTABLE AS IS WITH FUTURE MONITORING
COMPONENT 2-1R4-4	THICKNESS BELOW THE ACTION LEVEL	REPLACED WITH CARBON STEEL REDUCER MWO 2-92-5083 *
VALVE BOLTING 2B21-F013A	HEAVY RUST ON NUTS AND BOLTS	ACCEPTABLE AS IS
VALVE BOLTING 2B21-F013C	HEAVY RUST ON NUTS AND BOLTS	ACCEPTABLE AS IS
VALVE BOLTING 2B21-F013E	HEAVY RUST ON NUTS AND BOLTS	ACCEPTABLE AS IS
VALVE BOLTING 2B21-F013D	DAMAGED BOLT THREADS	ACCEPTABLE AS IS

<u>Identification</u>	<u>Indication</u>	<u>Corrective Action</u>
VALVE BOLTING 2B21-F013B	DAMAGED BOLT THREADS	ACCEPTABLE AS IS
FEEDWATER SPARGER NOZZLE 45 DEG O-1D	DEBRIS INSIDE SPARGER NOZZLE, DAMAGED OUTLET NOZZLE	REMOVED AND ANALYZED DEBRIS. OUTLET NOZZLE IS ACCEPTABLE AS IS.
FEEDWATER SPARGER TACK WELD 45 DEG O-1D	DAMAGED TACK WELD	ACCEPTABLE AS IS WITH FUTURE MONITORING
STEAM DRYER SUPPORT LUG 145 DEG K-13	CONTACT DAMAGE	REPAIRED SUPPORT LUG MWO 2-92-5156
STEAM DRYER SUPPORT LUG 215 DEG K-14	CONTACT DAMAGE	REPAIRED SUPPORT LUG MWO 2-92-5156
STEAM DRYER SUPPORT LUG 325 DEG K-15	CONTACT DAMAGE	ACCEPTABLE AS IS
UPPER GUIDE ROD BRACKET ATTACHMENT WELD 180 DEG A-6	GUIDE ROD DAMAGE	ACCEPTABLE AS IS
STEAM DRYER UPPER DRYER BANK 180 DEG	TORN WELD, BUCKLED PLATES	ACCEPTABLE AS IS WITH FUTURE MONITORING
STEAM DRYER LUG 146 DEG C-10	CONTACT DAMAGE	ACCEPTABLE AS IS
STEAM DRYER LUG 214 DEG C-11	CONTACT DAMAGE	ACCEPTABLE AS IS
SUPPORT 2E11-RHR-H314	CORROSION, DEBRIS IN SPRING CAN	REMOVED CORROSION AND DEBRIS MWO 2-92-5215 *

IdentificationIndicationCorrective Action

STEAM DRYER
PLATE MATERIAL
ADJACENT TO
BANK VERTICAL
WELD #12

INDICATIONS IN
BEND AREA

ACCEPTABLE AS IS WITH
FUTURE MONITORING

STEAM DRYER
PLATE MATERIAL
ADJACENT TO
BANK VERTICAL
WELD #27

INDICATIONS IN
BEND AREA

ACCEPTABLE AS IS WITH
FUTURE MONITORING

STEAM DRYER
PLATE MATERIAL
ADJACENT TO
BANK VERTICAL
WELD #32

INDICATIONS IN
BEND AREA

ACCEPTABLE AS IS WITH
FUTURE MONITORING

VALVE BOLTING
2E21-F006B

HEAVY CORROSION

ACCEPTABLE AS IS

SUPPORT
2B21-MSRV-H12

IDENTIFICATION TAG
WIRED TO SPRING

REMOVED TAGS AND
REINSTALLED IN PROPER
LOCATION
MWO 2-92-5346

SUPPORT
2B21-MSRV-H15

IDENTIFICATION TAG
WIRED TO SPRING AND
WEDGED BETWEEN COIL

REMOVED TAGS AND
REINSTALLED IN PROPER
LOCATION
MWO 2-92-5346

SUPPORT
2B21-MSRV-H15

SPRING CAN READING
OUT OF TOLERANCE

ACCEPTABLE AS IS

SUPPORT
2E11-RHR-R84

3/16" LINEAR
INDICATION ON LUG
TO PIPE ATTACHMENT
WELD

REMOVED INDICATION
MWO 2-92-5301

ACCESS HOLE
COVER PLATE WELD
180 DEGREES
I-4

TWO NON-GEOMETRIC
PLANAR INDICATIONS

ACCEPTABLE FOR CONTINUED
OPERATION

EMERGENCY DIESEL
COOLERS
1R43-B003B
1R43-B004B
1R43-B005B

EIGHT TUBES RECORDED
WALL LOSSES OF 40%
OR GREATER

PLUGGED TUBES
MWO 2-92-854 *

WELD
2E41-2HPCI-10-D-27

1" AND 1 1/4"
LINEAR INDICATIONS

INDICATIONS REMOVED
MWO 2-92-3424 *
MWO 2-92-5472 *

COMPONENT
2-6E-24

THICKNESS BELOW THE
ACTION LEVEL

ACCEPTABLE AS IS WITH
FUTURE MONITORING

IdentificationIndicationCorrective Action

COMPONENT
2-6E-25

THICKNESS BELOW THE
ACTION LEVEL

ACCEPTABLE AS IS WITH
FUTURE MONITORING

COMPONENT
2-10E-4

THICKNESS BELOW THE
ACTION LEVEL

ACCEPTABLE AS IS WITH
FUTURE MONITORING

WELD
2E41-2HPCI-10-D-27

0.3" SURFACE PLANAR
INDICATION

ACCEPTABLE AS IS WITH
FUTURE MONITORING

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

The following sections of this NIS-1 Report contain the summary of the NDE Examinations performed, provides additional information and gives results of those examinations.

SUMMARY
OF
CLASS 1 EXAMINATIONS

E.I. WATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>R.V. EXAMINATIONS</u>							
B1.21 B-A ASME	A-3/03	2HC-1 DOLLAR PLATE WELD CLOSURE HEAD	UT-H-410/05	64-H	S92H2C011 S92H2C047 S92H2C010 S92H2C046 S-2H7C009 S92H2C045	N/A NRI N/A NRI N/A RI	UT CAL UT CAL UT CAL UT CAL UT CAL GEOMETRY CODE CASE N-466 USED
B1.40 B-A ASME	A-3/03	2HC-2 (1-20) CLOSURE HEAD-TO-FLG CENTERLINE STUD 1 TO STUD 39 (CW)	RT-N-510/05 UT-N-410/05	64-H	S92H2M019 S92H2C013 S92H2C051 S92H2C014 S92H2C052 S92H2C012 S92H2C049	NRI N/A NRI N/A NRI N/A NRI	UT CAL UT CAL UT CAL UT CAL UT CAL UT CAL UT CAL
-- -- NURE 1-0513C	-	2K2A (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S92H2C077 S92H2C150	N/A RI	UT CAL GEOMETRY
-- -- COREG-03130	-	2K2C (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S92H2C078 S92H2C151	N/A RI	UT CAL GEOMETRY
B3.100 B-D ASME	A-1/04	2K2C (IR) B LOOP RECIRCULATION INLET NOZZLE IR	UT-H-480/04	61-H	S92H2C133 S92H2C236	N/A NRI	UT CAL UT CAL EXAM LIMITED TO 64% COVERAGE.

E.I. HATCH UNIT 2 SPRING 1992 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>							
B3.90 B-D ASME	A-1/04	2W2C (N-SK) B LOOP RECIRCULATION INLET NOZZLE TO SHELL	UT-H-410/05	61-H	S92H2C123 S92H2U210 S92H2C121 S92H2U208 S92H2C122 S92H2U209	N/A UT CAL NR1 N/A UT CAL NR1 N/A UT CAL NR1	ONE-SIDED EXAM DUE TO CONFIGURATION.
-- -- NUREG-03130	-	2W2C (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S92H2C079 S92H2U152	N/A UT CAL RI GEOMETRY	
-- -- NUREG-03130	-	2W2D (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S92H2C080 S92H2U153	N/A UT CAL RI GEOMETRY	
-- -- NUREG-03130	-	2W2E (RINTSA) RINTSA WELD	UT-H-415/05	125-H	S92H2C081 S92H2U154	N/A UT CAL RI GEOMETRY	
B3.100 B-D ASME	A-1/04	2W3C (SR) C LOOP MAIN STEAM OUTLET NOZZLE SR	UT-H-430/04	61-H	S92H2C075 S92H2U147	N/A UT CAL NR1	EXAM LIMITED TO 60% COVERAGE.
B3.90 B-D ASME	A-1/04	2W3C (SH-N) C LOOP MAIN STEAM OUTLET SHELL TO NOZZLE	UT-H-410/05	62-H	S92H2C127 S92H2U218 S92H2C128 S92H2U219 S92H2C129 S92H2U220	N/A UT CAL NR1 N/A UT CAL NR1 N/A UT CAL NR1	CODING CASE N-460 USED

E.I. HATCH UNIT 2 SPRING 1992 REFUELLING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	LN BLOCK	EXAM/VAL SHEET NO.	RESULTS	REMARKS
20V EXAMINATIONS							
--	A-1/04	2W4A (CYL SORE)	UT-H-481/02	62-H	S92W2C084	N/A UT CAL	
--		STRAIGHT CYLINDRICAL SORE			S92W2U158	NR1 UT CAL	
NUREG-0619					S92W2C088	N/A UT CAL	
					S92W2U162	NR1	
					S92W2C092	N/A UT CAL	
					S92W2U166	NR1	
24V EXAMINATIONS							
SS-100	A-1/04	2W4A (IR)	UT-H-481/04	61-H	S92W2C040	N/A UT CAL	EXAM LIMITED TO SORE COVERAGE.
B-D		A-A LOOP FEEDWATER INLET NOZZLE			S92W2U097	NR1	
NUREG-0619		IR					
--	A-1/04	2W4B (CYL SORE)	UT-H-481/02	62-H	S92W2C085	N/A UT CAL	
--		STRAIGHT CYLINDRICAL SORE			S92W2U159	NR1	
NUREG-0619					S92W2C089	N/A UT CAL	
					S92W2U163	NR1	
					S92W2C093	N/A UT CAL	
					S92W2U167	NR1	
26V EXAMINATIONS							
SS-100	A-1/04	2W4B (IR)	UT-H-481/04	61-H	S92W2C041	N/A UT CAL	EXAM LIMITED TO SORE COVERAGE.
B-C		A-B LOOP FEEDWATER INLET NOZZLE			S92W2U098	NR1	
NUREG-0619		IR					
--	A-1/04	2W4C (CYL SORE)	UT-H-481/02	62-H	S92W2C086	N/A UT CAL	
--		STRAIGHT CYLINDRICAL SORE			S92W2U160	NR1	
NUREG-0619					S92W2C090	N/A UT CAL	
					S92W2U164	NR1	
					S92W2C094	N/A UT CAL	
					S92W2U168	NR1	

E.I. MATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
RPV EXAMINATIONS							
83.100 B-D NUREG-0619	A-1/04	2N4C (IR) B-C LOOP FEEDWATER INLET NOZZLE IR	UT-H-480/04	61-H	S92H2C042 S92H2U099	N/A NRI	EXAM LIMITED TO 50% COVERAGE.
-- -- NUREG-0619	A-1/04	2N4D (CYL CORE); STRAIGHT CYLINDRICAL BORE	UT-H-481/02	62-H	S92H2C087 S92H2U161 S92H2C091 S92H2U163 S92H2C095 S92H2U165	N/A NRI N/A NRI N/A NRI	UT CAL UT CAL UT CAL UT CAL UT CAL UT CAL
83.100 B-D NUREG-0619	A-1/04	2N4D (IR) B-D LOOP FEEDWATER INLET NOZZLE IR	UT-H-480/04	61-H	S92H2C043 S92H2U100	N/A NRI	EXAM LIMITED TO 50% COVERAGE.
83.100 B-D ASME	A-3/03	2N4B (IR) B LOOP RH: HEAD SPRAY NOZZLE IR	UT-H-480/04	64-H	S92H2C011 S92H2U061	N/A NRI	EXAM LIMITED TO 50% COVERAGE.
83.90 B-D ASME	A-3/03	2N4B (N-HEAD) B LOOP RH: HEAD SPRAY NOZZLE TO HEAD	UT-H-410/05	64-H	S92H2C019 S92H2U063 S92H2C020 S92H2U064 S92H2C021 S92H2U065	N/A NRI N/A N/A N/A RI	UT CAL UT CAL UT CAL UT CAL UT CAL GEOMETRY
-- -- BPC	A-2/01	2LOCATION-1 THRU 20 THICKNESS MEASUREMENTS	UT-H-460/02	30-H	S92H2U034	N/A	THICKNESS

E.I.L. HATCH UNIT 2 SPRING 1992 REFUELLING OUTAGE
CLASS 1 COMPONENTS

ASME	EXAM	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL	EXAM/CAL SHEET NO.	RESULTS	REMARKS
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R/V EXAMINATIONS

B13.10	-	CLASS 1 LEAKAGE TEST	VT-N-720/03	N/A	S92N2V156	SAT	
B-P		PRESSURE RETAINING BOUNDARY			S92N2V157	SAT	
ASME		LEAKAGE TEST			S92N2V158	SAT	
					S92N2V159	SAT	
					S92N2V160	SAT	
					S92N2V161	SAT	
					S92N2V162	SAT	
					S92N2V163	SAT	
					S92N2V164	SAT	
					S92N2V165	SAT	
					S92N2V166	SAT	

RPV JMW EXAMINATIONS

B13.21	-	A-2	VT-N-750/04	N/A	S92N2V077	SAT	
B-N-2		UP GUIDE ROD BRACKET ATTACHMENT					
ASME		WELD AZIMUTH 0 DEG					

B13.21	-	A-4	VT-N-750/04	N/A	S92N2V076	SAT	
B-N-2		LOW GUIDE ROD BRACKET ATTACHMENT					
ASME		WELD AZIMUTH 0 DEG					

B13.21	-	A-6	VT-N-750/04	N/A	S92N2V075	SAT	
B-N-2		UP GUIDE ROD BRACKET ATTACHMENT					
ASME		WELD AZIMUTH 180 DEG					

B13.21	-	A-8	VT-N-750/04	N/A	S92N2V074	SAT	
B-N-2		LOW GUIDE ROD BRACKET ATTACHMENT					
ASME		WELD AZIMUTH 180 DEG					

E-1. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EX W/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV JUVI EXAMINATIONS</u>							
B13.21 B-N-2 ASME	-	B-2 SURV SPECIMEN BRACKET UPPER - ATTACH WELD AZIMUTH 30 DEG	VT-N-750/04	N/A	S92K2V073	SAT	
B13.21 B-N-2 ASME	-	B-4 SURV SPECIMEN BRACKET LOWER - ATTACH WELD AZIMUTH 30 DEG	VT-N-750/04	N/A	S92K2V072	SAT	
B13.21 B-N-2 ASME	-	B-6 SURV SPECIMEN BRACKET UPPER - ATTACH WELD AZIMUTH 120 DEG	VT-N-750/04	N/A	S92K2V071	SAT	
B13.21 B-N-2 ASME	-	B-8 SURV SPECIMEN BRACKET LOWER - ATTACH WELD AZIMUTH 120 DEG	VT-N-750/04	N/A	S92K2V070	SAT	
B13.21 B-N-2 ASME	-	B-10 SURV SPECIMEN BRACKET UPPER - ATTACH WELD AZIMUTH 120 DEG	VT-N-750/04	N/A	S92K2V069	SAT	
B13.21 B-N-2 ASME	-	B-12 SURV SPECIMEN BRACKET LOWER - ATTACH WELD AZIMUTH 300 DEG	VT-N-750/04	N/A	S92K2V068	SAT	
B13.21 B-N-2 ASME	-	C-9 RPV HEAD STEAM DRYER HOLE-DOAN BRKT & ATTACH WELD - 34 DEG	VT-N-750/07	N/A	S92K2V030	SAT	

E.I. BATCH UNIT 2 SPRING 1992 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 XVI EXAMINATIONS</u>							
B13.21 B-N-2 ASME	-	C-10 SPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTCH WELD - 146 DEG	VT-N-730/07	N/A	S92H2V029	SAT	ACCEPTABLE AS IS. SEE INF# 192H2007.
B13.21 B-N-1 ASME	-	C-11 RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTCH WELD - 214 DEG	VT-N-730/07	N/A	S92H2V028	SAT	ACCEPTABLE AS IS. SEE INF# 192H2007.
B13.21 B-N-2 ASME	-	C-12 RPV HEAD STEAM DRYER HOLD-DOWN BRKT & ATTCH WELD - 326 DEG	VT-N-730/07	N/A	S92H2V027	SAT	
-	-	F-5 CORE TOP GUIDES	VT-N-750/04	N/A	S92H2V061	SAT	
RECSIL-059							
B13.10 B-N-1 ASME	-	G-2A VESSEL CLADDING PATCH 1	VT-N-750/04	N/A	S92H2V143	SAT	
B13.10 B-N-1 ASME	-	G-2B VESSEL CLADDING PATCH 2	VT-N-750/04	N/A	S92H2V142	SAT	
B13.10 B-N-1 ASME	-	G-2C VESSEL CLADDING PATCH 3	VT-N-750/04	N/A	S92H2V141	SAT	

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SEE INP# 19042015.

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E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAMINER SHEET NO.	RESULTS	REMARKS
<u>RPV IVVJ EXAMINATIONS</u>							
B13.20	-	J-115 RISER RETAINER FOR JET PUMPS 15 & 16 AZIMUTH 270 DEG	VT-N-750/04	N/A	S92N2V064	SAT	
-	-	J-114 RISER FOR JET PUMPS PUMPS 15 AND 16 AZIMUTH 270 DEGREES	VT-N-750/04	N/A	S92N2V057	SAT	
-	-	J-130 RISER FOR JET PUMPS PUMPS 17 AND 18 AZIMUTH 340 DEGREES	VT-N-750/04	N/A	S92N2V056	SAT	
-	-	J-146 RISER FOR JET PUMPS PUMPS 19 AND 20 AZIMUTH 330 DEGREES	VT-N-750/04	N/A	S92N2V055	SAT	
B13.21	-	K-12 STEAM DRYER HOLD DOWN BRACKETS & ATTACH WELDS - 35 DEG	VT-N-750/04	N/A	S92N2V137	SAT	
B-N-2	-						
-	-						
B13.21	-	K-13 STEAM DRYER HOLD DOWN BRACKETS & ATTACH WELDS - 145 DEG	VT-N-750/04	N/A	S92N2V136	UNSAT	CONTACT DAMAGE REPAIRED SUPPORT LUG. SEE INF# 192N2006.
B-N-2	-						
-	-						
B13.21	-	K-14 STEAM DRYER HOLD DOWN BRACKETS & ATTACH WELDS - 215 DEG	VT-N-750/04	N/A	S92N2V135	UNSAT	CONTACT DAMAGE REPAIRED SUPPORT LUG. SEE INF# 192N2006.
B-N-2	-						
-	-						

E.I. HATCH LIFT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASNC SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV LVV1 EXAMINATIONS</u>							
B13.21	-	K-15	VT-H-750/04	N/A	S92H2V134	SAT	ACCEPTABLE AS IS PER ENGINEERING EVALUATION. SEE INF 192H2V136.
S-N-2	-	STEAM DRYER HOLD DOWN BRACKETS & ATTACH WELDS - 325 DEG					
-	-	M-1A	VT-H-750/04	N/A	S92H2V133	SAT	
-	-	CORE SPRAY SPARGERS 1ST SCAN UP A & C NZ 1A TO JUNC BOX A					
NUREG CR-45	-	M-1B	VT-H-750/04	N/A	S92H2V132	SAT	
-	-	CORE SPRAY SPARGERS 1ST SCAN UP A & C JUNC BOX A - NZ 53A					
NUREG CR-45	-	M-1C	VT-H-750/04	N/A	S92H2V131	SAT	
-	-	CORE SPRAY SPARGERS 1ST SCAN UP A & C NZ 1C TO JUNC BOX C					
NUREG CR-45	-	M-1D	VT-H-750/04	N/A	S92H2V130	SAT	
-	-	CORE SPRAY SPARGERS 1ST SCAN UP A & C JUNC BOX C - NZ 53C					
NUREG CR-45	-	M-2A	VT-H-750/04	N/A	S92H2V129	SAT	
-	-	CORE SPRAY SPARGERS 2ND SCAN NOZZLES NOZZLE 1B TO 53A					
NUREG CR-45	-	M-2B	VT-H-750/04	N/A	S92H2V128	SAT	
-	-	CORE SPRAY SPARGERS 2ND SCAN NOZZLES NOZZLE 1D TO 53C					
NUREG CR-45	-						

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RPV IVV EXAMINATIONS</u>							
-	-	M-3A	VT-H-750/04	N/A	S92H2V127	SAT	
-	-	CORE SPRAY SPARGERS 3RD SCAN LOW					
-	-	B & D NZ 16 TO JUNC BOX B					
MUREG CR-45							
-	-	M-3B	VT-H-750/04	N/A	S92H2V126	SAT	
-	-	CORE SPRAY SPARGERS 3RD SCAN LOW					
-	-	B & D JUNC BOX B - NZ 53B					
MUREG CR-45							
-	-	M-3C	VT-H-750/04	N/A	S92H2V125	SAT	
-	-	CORE SPRAY SPARGERS 3RD SCAN LOW					
-	-	B & D NZ 10 TO JUNC BOX F					
MUREG CR-45							
-	-	P-30	VT-H-750/04	N/A	S92H2V124	SAT	
-	-	CORE SPRAY SPARGERS 3RD SCAN LOW					
-	-	B & D JUNC BOX D NZ 53D					
MUREG CR-45							
-	-	M-3B	VT-H-750/04	N/A	S92H2V054	SAT	
-	-	CORE SPRAY NOZZLE INNER RADIUS B					
-	-	90 DEG					
MUREG CR-45							
-	-	M-1A	VT-H-750/04	N/A	S92H2V123	SAT	
-	-	CORE SPRAY SPLY PPG 90 DEG CORE					
-	-	SPRAY NZ HDR-SHED TO LWR EL					
MUREG CR-45							
-	-	M-1B	VT-H-750/04	N/A	S92H2V122	SAT	
-	-	CORE SPRAY SPLY PPG 90 DEG CORE					
-	-	SPRAY NZ LOWER ELBOW					
MUREG CR-45							

E.I. HATCH UNIT 2 SPRING 1992 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 IWI EXAMINATIONS</u>							
-	-	N-1C CORE SPRAY SPLY PPG 90 DEG CORE SPRY NZ VERT RUN COUP-UP ELB	VT-N-75C/04	N/A	S9282V121	SAT	
-	-	N-1D CORE SPRAY SPLY PPG 90 DEG CORE SPRY NZ COUPLING	VT-N-75G/04	N/A	S9282V120	SAT	
-	-	N-1E CORE SPRAY SPLY PPG 90 DEG CORE SPRY NZ VERT RUN COUP-UP ELB	VT-N-75D/04	N/A	S9282V119	SAT	
-	-	N-1F CORE SPRAY SPLY PPG 90 DEG CORE SPRY NZ UPPER ELBOW	VT-N-75D/04	N/A	S9282V118	SAT	
-	-	N-1G CORE SPRAY SPLY PPG 90 DEG CORE SPRY NZ HORIZ SEC UP ELB-BRKT	VT-N-75D/04	N/A	S9282V117	SAT	
-	-	N-1H CORE SPRAY SPLY PPG 90 DEG CORE SPRY NZ BRACKET AT 30 DEG	VT-N-75D/04	N/A	S9282V116	SAT	
-	-	N-1I CORE SPRAY SPLY PPG 90 DEG CORE SPRY NZ BRKT ATTACH WELDS	VT-N-75D/04	N/A	S9282V115	SAT	

E.I. WATCH UNIT 2 SPRING 1997 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 IVG1 EXAMINATIONS</u>							
-	-	N-1J CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V114	SAT	
-	-	SPRY NZ HRZ SEC BRKT-JUN BOX					
MUREG CR-45							
-	-	N-1K CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V113	SAT	
-	-	SPRY NZ JUNC BOX TO NOZZLE					
MUREG CR-45							
-	-	N-1L CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V112	SAT	
-	-	SPRY NZ HRZ SEC BRKT-JUN BOX					
MUREG CR-45							
-	-	N-1M CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V111	SAT	
-	-	SPRY NZ BRKT AT 150 DEG					
MUREG CR-45							
-	-	N-1N CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V110	SAT	
-	-	SPRY NZ BRKT ATTACH WELDS					
MUREG CR-45							
-	-	N-1O CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V109	SAT	
-	-	SPRY NZ HRZ SEC BRKT-UP ELB					
MUREG CR-45							
-	-	N-1P CORE SPRAY SPLY PPG CORE SP2/ NZ	VT-H-750/04	N/A	S92H2V108	SAT	
-	-	UPPER ELBOW					
MUREG CR-45							

E.L. KITCHEN UNIT 2 SPRING 1992 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 JCVI EXAMINATIONS</u>							
-	-	N-10 CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V107	SAT	
-	-	NUREG CR-45 SPRY NZ VERT RUN UP ELB-COUP					
-	-	N-18 CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V106	SAT	
-	-	NUREG CR-45 SPRY NZ COUPLING					
-	-	N-15 CONF SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V105	SAT	
-	-	NUREG CR-45 SPRY NZ VERT RUN COUP-LW ELB					
-	-	N-11 CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V104	SAT	
-	-	NUREG CR-45 SPRY NZ LOWER ELBOW					
-	-	N-10 CORE SPRAY SPLY PPG 90 DEG CORE	VT-H-750/04	N/A	S92H2V103	SAT	
-	-	NUREG CR-45 SPRY NZ HDR-LWR ELB TO SHRD					
-	-	N-2A CORE SPRAY SPLY PPG 270 DEG CORE	VT-H-750/04	N/A	S92H2V102	SAT	
-	-	NUREG CR-45 SPRY NZ HDR-SHRD TO LW ELB					
-	-	N-20 CONF SPRAY SPLY PPG 270 DEG CORE	VT-H-750/04	N/A	S92H2V101	SAT	
-	-	NUREG CR-45 SPRY NZ LOWER ELBOW					

E.I. HATCH UNIT 2 SPRING 1992 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 I/V EXAMINATIONS</u>							
-	-	N-2C CORE SPRAY SPLY PPG 372 DG CORE	VT-N-750/04	N/A	S92N2V100	SAT	
-	-	NUREG CR-45 SPRY N2 VERT RUN LM ELB-COUP					
-	-	F-2E CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92N2V099	SAT	
-	-	NUREG CR-45 SPRY N2 COUPLING					
-	-	N-2E CORE SPRAY SPLY PPG 270 DG CORE	VT-F-750/04	N/A	S92N2V098	SAT	
-	-	NUREG CR-45 SPRY N2 VERT RUN COUP-UP ELB					
-	-	N-2F CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92N2V097	SAT	
-	-	NUREG CR-45 SPRY N2 UPPER ELBOW					
-	-	N-2G CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92N2V096	SAT	
-	-	NUREG CR-45 SPRY N2 HRZ SEC UP ELB-BRKT					
-	-	N-2H CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92N2V095	SAT	
-	-	NUREG CR-45 SPRY N2 BRKT AT 210 DEG					
-	-	N-2I CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92N2V094	SAT	
-	-	NUREG CR-45 SPRY N2 BRKT ATTACH WELDS					

E.I. HATCH UNIT 2 SPRING 1992 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 IVVI EXAMINATIONS</u>							
- -	- -	N-2J	VT-H-750/04	N/A	S92H2V093	SAT	
- -		CORE SPRAY SPLY PPG 270 DG CORE					
NUREG CR-45		SPRY NZ HRZ SEC BRKT-JUN BOX					
- -	- -	N-2K	VT-H-750/04	N/A	S92H2V092	SAT	
- -		CORE SPRAY SPLY PPG 270 DG CORE					
NUREG CR-45		SPRY NZ JUNC BOX TO NOZZLE					
- -	- -	N-2L	VT-H-750/04	N/A	S92H2V091	SAT	
- -		CORE SPRAY SPLY PPG 270 DG CORE					
NUREG CR-45		SPRY NZ HRZ SEC JUN BX BRKT					
- -	- -	N-2M	VT-H-750/04	N/A	S92H2V090	SAT	
- -		CORE SPRAY SPLY PPG 270 DG CORE					
NUREG CR-45		SPRY NZ BRKT AT 330 DEG					
- -	- -	N-2N	VT-H-750/04	N/A	S92H2V089	SAT	
- -		CORE SPRAY SPLY PPG 270 DG CORE					
NUREG CR-45		SPRY NZ BRKT ATTACH WELDS					
- -	- -	N-2O	VT-H-750/04	N/A	S92H2V088	SAT	
- -		CORE SPRAY SPLY PPG 270 DG CORE					
NUREG CR-45		SPRY NZ HRZ SEC BRKT-UP ELB					
- -	- -	N-2P	VT-H-750/04	N/A	S92H2V087	SAT	
- -		CORE SPRAY SPLY PPG 270 DG CORE					
NUREG CR-45		SPRY NZ UPPER ELBOW					

E.I. HATCH UNIT 2 SPRING 1992 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 IVV EXAMINATIONS</u>							
- -	- -	N-20 CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92H2V085	SAT	
- -	- -	SPRY NZ VERT RUN UP ELB-COUP					
NUREG CR-45							
- -	- -	N-20 CORE SPRAY SPLY PPG 270 DEG CORE	VT-N-750/04	N/A	S92H2V085	SAT	
- -	- -	SPRY NZ COUPLING					
NUREG CR-45							
- -	- -	N-2S CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92H2V084	SAT	
- -	- -	SPRY NZ VERT RUN COUP-LW ELB					
NUREG CR-45							
- -	- -	N-27 CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92H2V083	SAT	
- -	- -	SPRY NZ LOWER ELBOW					
NUREG CR-45							
- -	- -	N-2U CORE SPRAY SPLY PPG 270 DG CORE	VT-N-750/04	N/A	S92H2V082	SAT	
- -	- -	SPRY NZ HOR LW ELB TO SHRO					
NUREG CR-45							
B13.21	- -	O-1D FEEDWATER SPARGERS 45 DEG FWMR	VT-N-750/04	N/A	S92H2V080	UNSAT	ACCEPTABLE AS IS PER GE ENGINEERING EVALUATION. SEE INF# 192H2005.
B-N-2	- -	SPRG, SPRGR ATT WLD					
ASME							
B13.21	- -	C-20 FEEDWATER SPARGERS 135 DEG FWMR	VT-N-750/04	N/A	S92H2V081	SAT	
B-N-2	- -	SPRG SPRG BRKT ATT WLD					
ASME							

E.I. HATCH UNIT 2 SPRING 1992 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 I/VVI EXAMINATIONS</u>							
B13.21	-	Q-30	VT-H-750/04	N/A	S92H2U079	SAT	
B-N-2		FEEDWATER SPARGERS 225 DEG FDMTR					
ASME		SPRG SPRG BRKT ATT WELDS					
B13.21	-	Q-40	VT-H-750/04	N/A	S92H2U078	SAT	
B-N-2		FEEDWATER SPARGERS 315 DEG FDMTR					
ASME		SPRG SPRG BRKT ATT WELDS					
<u>FEEDWATER SYSTEM</u>							
B9.11	A-10/04	2821-1FW-12AA-7	MT-H-500/05	56-H	S92H2M032	NI	UT CAL
B-J		PIPE TO TRANSITION PIECE	UT-H-400/10	148-H	S92H2C022	N/A	
NUREG-0619					S92H2U066	NRI	
					S92H2C029	N/A	UT CAL
					S92H2U079	RI	GEOMETRY
					S92H2U060	N/A	WELD PROFILE
B9.11	A-10/04	2821-1FW-12AA-9	GE-UT-212/01	135-H	CA-111	N/A	UT CAL
B-J		SAFE-END EXTENSION			DA-111	NRI	
NUREG-0313E							
<u>FEEDWATER SYSTEM</u>							
B9.11	A-10/04	2821-1FW-12AA-11	MT-H-500/05	53-H	S92H2M033	NI	
B-J		TRANSITION PIECE TO TRANSITION	UT-H-400/10		S92H2C032	N/A	UT CAL
NUREG-0619		PIECE			S92H2U084	NRI	
					S92H2U093	N/A	THICKNESS

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
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-10/04	2821-1FW-12AA-12 TRANSITION PIECE TO NOZZLE	MT-H-500/05 UT-H-400/10	53-H	S92H2M034 S92H2C033 S92H2U085 S92H2C054 S92H2U086 S92H2U091	NI N/A UT CAL NRI N/A UT CAL NRI N/A THICKNESS	ONE-SIDED EXAM DUE TO CONFIGURATION.
B9.11 B-J ASME	A-10/04	2821-1FW-12AB-9 ELBOW TO PIPE	MT-H-500/05 UT-H-400/10	56-H 148-H	S92H2M045 S92H2C050 S92H2U113 S92H2C051 S92H2U114 S92H2U115	NRI N/A UT CAL NRI N/A UT CAL NRI N/A THICKNESS	
B9.11 B-J NUREG-0619	A-10/04	2821-1FW-12AB-10 PIPE TO TRANSITION PIECE	MT-H-500/05 UT-H-400/10	56-H 148-H	S92H2M035 S92H2C026 S92H2U069 S92H2C028 S92H2U077 S92H2U078 S92H2U070	NI N/A UT CAL NRI N/A UT CAL RI GEOMETRY N/A WELD PROFILE N/A THICKNESS	
B9.11 B-J NUREG-0619	A-10/04	2821-1FW-12AB-14 TRANSITION PIECE TO TRANSITION PIECE	MT-H-500/05 UT-H-400/10	53-H	S92H2M036 S92H2C035 S92H2U087 S92H2U092	NI N/A UT CAL NRI N/A THICKNESS	

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
FEEDWATER SYSTEM							
89.11 B-J NUREG-0619	A-10/04	2821-1FW-12AB-15 TRANSITION PIECE TO NOZZLE	MT-N-500/05 UT-N-400/10	53-H	S92H2M037 S92H2C036 S92H2U088 S92H2C037 S92H2U089 S92H2U093	NI N/A NRI N/A NRI N/A	ONE-SIDED EXAM DUE TO NOZZLE CONFIGURATION.
89.11 B-J NUREG-0619	A-11/05	2821-1FW-12BC-10 PIPE TO TRANSITION PIECE	MT-N-500/05 UT-N-400/10	56-H 148-H	S92H2M028 S92H2C027 S92H2U075 S92H2C023 S92H2U067 S92H2U076 S92H2U068	NRI N/A RI N/A NRI N/A N/A	UT CAL GEOMETRY UT CAL WELD PROFILE THICKNESS
85.130 B-F NUREG-03130	A-11/05	2821-1FW-12BC-11 TRANSITION PIECE TO SAFE-END EXTENSION	PT-N-600/03 GE-UT-208/01	88-H 78-H	S92H2P007 CA-112 DA-112 CA-113 DA-113 CA-114 DA-114	NRI N/A NRI N/A NRI N/A RI	UT CAL UT CAL UT CAL UT CAL UT CAL GEOMETRY
89.11 B-J NUREG-03130	A-11/05	2821-1FW-12BC-12 SAFE-END EXTENSION TO SAFE-END	PT-N-600/03 GE-UT-208/01	78-H	S92H2P006 CA-115 DA-115 CA-116 DA-116	NRI N/A RI N/A NRI	UT CAL GEOMETRY UT CAL

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
FEEDWATER SYSTEM							
B5.130	A-11/05	2821-1FW-128C-13	PT-H-600/03	78-H	S92H2P005	NRI	
B-F		SAFE-END TO TRANSITION PIECE	CE-UT-208/01	53-H	CA-100	N/A	UT CAL
NUREG-03130					DA-100	NRI	
					CA-101	N/A	UT CAL
					DA-101	NRI	
B9.11	A-11/05	2821-1FW-128C-14	MT-H-500/05	53-H	S92H2M029	NRI	
B-J		TRANSITION PIECE TO TRANSITION	UT-H-400/10		S92H2C044	N/A	UT CAL
NUREG-0619		PIECE			S92H2U101	NRI	
					S92H2U110	N/A	THICKNESS
B9.11	A-11/05	2821-1FW-128C-15	MT-H-500/05	53-H	S92H2M030	NRI	ONE-SIDED EXAM DUE TO NOZZLE
B-J		TRANSITION PIECE TO NOZZLE	UT-H-400/10		S92H2C045	N/A	CONFIGURATION.
NUREG-0619					S92H2U102	NRI	
					S92H2C046	N/A	UT CAL
					S92H2U103	NRI	
					S92H2U109	N/A	THICKNESS
B9.11	A-11/05	2821-1FW-128D-7	MT-H-500/05	56-H	S92H2M026	NRI	
B-J		PIPE TO TRANSITION PIECE	UT-H-400/10	148-H	S92H2C025	N/A	UT CAL
NUREG-0619					S92H2U071	NRI	
					S92H2C026	N/A	UT CAL
					S92H2U073	RI	GEOMETRY
					S92H2U074	N/A	WELD PROFILE
					S92H2U072	N/A	THICKNESS

E.L.I. WATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
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>							
85.130 B-F NUREG-03130	A-11/05	2821-1FW-128D-8 TRANSITION PIECE TO SAFE-END EXTENSION	PT-H-600/03 GE-UT-208/01	88-H 78-H	S92H2P004 CA-102 DA-102 CA-103 DA-103 CA-104 DA-104	NRI N/A NRI N/A RI N/A NRI	UT CAL UT CAL GEOMETRY UT CAL
89.11 B-J NUREG-03130	A-11/05	2821-1FW-128D-9 SAFE-END EXTENSION TO SAFE-END	PT-H-600/03 GE-UT-208/01	78-H	S92H2P003 CA-105 DA-105 CA-106 DA-106	NRI N/A RI N/A NRI	UT CAL GEOMETRY UT CAL
85.130 B-F NUREG-03130	A-11/05	2821-1FW-128D-10 SAFE-END TO TRANSITION PIECE	PT-H-600/03 GE-UT-208/01	78-H 53-H	S92H2P002 CA-108 DA-108 CA-109 DA-109 CA-110 DA-110	NRI N/A RI N/A NRI N/A NRI	UT CAL GEOMETRY UT CAL UT CAL
89.11 B-J NUREG-0619	A-11/05	2821-1FW-128D-11 TRANSITION PIECE TO TRANSITION PIECE	MT-H-500/05 UT-H-400/10	53-H	S92H2M027 S92H2C049 S92H2U106 S92H2U108	NRI N/A NRI N/A	UT CAL THICKNESS

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
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 19	A-11/05	2821-1FW-12PD-12 TRANSITION PIECE TO NOZZLE	MT-H-500/05 UT-H-400/10	53-H	S92H2M031 S92H2C047 S92H2U104 S92H2C048 S92H2U105 S92H2U107	NRI N/A UT CAL NRI N/A UT CAL NRI N/A THICKNESS	ONE-SIDED EXAM DUE TO NOZZLE CONFIGURATION.
<u>MAIN STEAM SYSTEM</u>							
B10.10 B-K-1 ASME	A-8/07	2621-1MS-24C-9PL-1 THRU 8 DEVICE 2621-MS-R44	MT-H-500/05		S92H2M022	NI	
B9.11 B-J ASME	A-8/07	2821-1MS-24C-15 PIPE TO VALVE	MT-H-500/05 UT-H-400/10	147-H	S92H2M044 S92H2C057 S92H2U123 S92H2C058 S92H2U124 S92H2U125	NRI N/A UT CAL NRI N/A UT CAL NRI N/A THICKNESS	ONE-SIDED EXAM DUE TO VALVE CONFIGURATION.
B9.11 B-J ASME	A-9/06	2821-1MS-24D-1 NOZZLE TO TRANSITION PIECE	MT-H-500/05 UT-H-400/10	152-H	S92H2M023 S92H2C016 S92H2U057 S92H2U059 S92H2U058	NRI N/A UT CAL NRI N/A WELD PROFILE N/A THICKNESS	CODE CASE N-461 USED.
B9.11 B-J ASME	A-9/06	2821-1MS-24D-2 TRANSITION PIECE TO PIPE	MT-H-500/05 UT-H-400/10	152-H 147-H	S92H2M020 S92H2C059 S92H2U126 S92H2C060 S92H2U127 S92H2U128 S92H2U129	NRI N/A UT CAL NRI N/A UT CAL RI GEOMETRY N/A WELD PROFILE N/A THICKNESS	CODE CASE N-461 USED.

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

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-9/06	2B21-1MS-24D-5PL-1 THRU 4 DEVICE 2B21-MS-H10	MT-H-500/05	N/A	S92H2M024	NR1	CODE CASE N-460 USED
<u>VALVE BOLTING</u>							
B7.70 B-G-2 ASME	A-5/01	2B21-F013A BOLTING VALVE BOLTING	VT-H-710/03	N/A	S92H2V020 S92H2V192	UNSAT HEAVY RUST SAT	USE AS IS PER ENGINEERING EVALUATION. SEE INF 192H2003.
B7.70 B-G-2 ASME	A-5/01	2B21-F013B BOLTING VALVE BOLTING	VT-H-710/03	N/A	S92H2V015 S92H2V193	UNSAT THREAD DAMAGE SAT	USE AS IS PER ENGINEERING EVALUATION. SEE INF 192H2004.
B7.70 B-G-2 ASME	A-5/01	2B21-F013C BOLTING VALVE BOLTING	VT-H-710/03	N/A	S92H2V018 S92H2V194	UNSAT HEAVY RUST SAT	USE AS IS PER ENGINEERING EVALUATION. SEE INF 192H2003.
B7.70 B-G-2 ASME	A-5/01	2B21-F013D BOLTING VALVE BOLTING	VT-H-710/03	N/A	S92H2V014 S92H2V195	UNSAT THREAD DAMAGE SAT	USE AS IS PER ENGINEERING EVALUATION. SEE INF 192H2004.
B7.70 B-G-2 ASME	A-5/01	2B21-F013E BOLTING VALVE BOLTING	VT-H-710/03	N/A	S92H2V019 S92H2V196	UNSAT HEAVY RUST SAT	USE AS IS PER ENGINEERING EVALUATION. SEE INF 192H2003.

E.I. HATCH UNIT 2 SPRING 1992 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 COOLANT SYSTEM</u>							
B5.10 B-F NUREG-0313D	A-37/00	2B31-1RC-4JP-A-1 NOZZLE 2NBA TO SAFE-END	PT-H-600/03 UT-H-409/07	120-H 121-H	S92H2P029 S92H2C111 S92H2U191 S92H2C112 S92H2U192 S92H2C113 S92H2U193 S92H2C114 S92H2U194 S92H2C115 S92H2U195	NR1 N/A UT CAL NR1 N/A UT CAL NR1 N/A UT CAL NR1 N/A UT CAL NR1 N/A UT CAL NR1	
B9.11 B-J NUREG-0313D	A-37/00	2B31-1RC-4JP-A-2 SAFE-END TO PENETRATION SEAL	PT-H-600/03 UT-H-409/10	80-H	S92H2P030 S92H2C116 S92H2U196 S92H2C117 S92H2U197	NR1 N/A UT CAL NR1 N/A UT CAL NR1	ONE-SIDED EXAM DUE TO CONFIGURATION. UT EXAM LIMITED TO 50% COVERAGE.
B9.11 B-J NUREG-0313A	A-16/05	2B31-1RCM-2BAS-7 PIPE TO ELBOW	PT-H-600/03 GE-UT-208/01	128-H	S92H2P012 CA-107 DA-107	NR1 N/A UT CAL RI GEOMETRY	
B9.12 B-J NUREG-0313A	A-16/05	2B31-1RCM-2BAS-7LD-0 LONGITUDINAL WELD DOWNSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/10	128-H	S92H2P015 S92H2C053 S92H2U117	NR1 N/A UT CAL NR1	
B9.12 B-J NUREG-0313A	A-16/05	2B31-1RCM-2BAS-7LD-1 LONGITUDINAL WELD DOWNSTREAM ON INSIDE OF ELBOW	PT-H-600/03 UT-H-400/10	128-H	S92H2P014 S92H2C054 S92H2U118	NR1 N/A UT CAL NR1	

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	ELAB FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
REACTOR COOLANT SYSTEM							
B9.12 B-J NUREG-0313A	A-16/05	2831-1RCM-28AS-7LU LONGITUDINAL SEAM WELD EXTENDING UPSTREAM	PT-H-600/03 UT-H-400/10	128-H	S92H2P013 S92H2C052 S92H2U116	NR1 N/A NR1	
B9.32 B-J NUREG-0313A	A-16/05	2831-1RCM-28AS-9BC-2 PIPE TO BC	PT-H-600/03	N/A	S92H2P010	NR1	
B10.10 B-K-1 NUREG-0313L	A-19/04	2831-1RCM-28B0-4HL-4 THRU 7 HANGER LUGS	PT-H-600/03	N/A	S92H2P024	N/A	
B9.11 B-J NUREG-0313A	A-18/05	2831-1RCM-28BS-9 ELBOW TO PUMP	PT-H-600/03 SE-UT-208/01	128-H	S92H2P011 CA-117 DA-117 CA-118 DA-118	NI N/A RI N/A RI	NO DOWNSTREAM EXAM DUE TO PUMP CONFIGURATION.
B10.20 B-K-1 ASME	A-4/02	28C-B PUMP LUG-2A2 RESTRAINT LUG	PT-H-600/03	N/A	S92H2P019	NI	
B10.20 B-K-1 ASME	A-4/02	28C-B PUMP LUG-2B2 RESTRAINT LUG	PT-H-600/03	N/A	S92H2P020	NI	

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 3 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	UL Z. C. C.	EXAM/CAL SHEET NO.	RESULTS	REMARKS
B5.10 S-F HUREG-03130	A-1706	2C11-1CRD-3-R-1 2ND NOZZLE TO CAP	PT-H-650/03 UT-H-609/07	97-H 120-H	S92H2P021 S92H2C103 S92H2U180 S92H2C104 S92H2U181 S92H2C105 S92H2U182 S92H2C106 S92H2U183 S92H2C107 S92H2C184	NRI N/A NRI N/A NRI N/A NRI N/A NRI N/A N/A NRI	CODE CASE N-461 USED.

RESIDUAL HEAT REMOVAL SYSTEM

B9.11 S-J ASME	A-20/04	2E11-1RHR-4-RS-C ELBOW TO PENETRATION	MT-H-500/05 UT-H-400/10	122-H	S92H2M038 S92H2C030 S92H2U081 S92H2C031 S92H2U082 S92H2U053	NRI N/A RI N/A RI N/A	ONE-SIDED EXAM DUE TO PENETRATION.
B7.50 B-G-2 ASME	A-20/04	2E11-1RHR-5B-RS-1F6 FLANGE BOLLING	VT-H-710/03	N/A	S92H2U025	SAT	
B9.11 S-J ASME	A-23/05	2E11-1RHR-24B-R-2 PIPE TO ELBOW	MT-H-500/05 UT-H-400/10	152-H	S92H2M039 S92H2C055 S92H2U119 S92H2U120	NRI N/A NRI N/A	
B9.11 S-J ASME	A-23/05	2E11-1RHR-24B-R-3 ELBOW TO PIPE	MT-H-500/05 UT-H-400/10	152-F	S92H2M040 S92H2C056 S92H2U121 S92H2U122	NRI N/A NRI N/A	

E.I. HATCH UNIT 2 SPRING 1992 REFUELLING OUTAGE
CLASS 1 CORPUSCULUS

ASME SECTION XI	EXAM FLARE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>RESIDUAL HEAT REMOVAL SYSTEM</u>							
B9.17 B-J ASME	A-23/05	2E11-18HR-248-R-5 ELBOW TO PIPE	MT-H-500/05 UT-H-400/10	152-H	S92H2M055 S92H2C125 S92H2U014 S92H2U015	NR1 N/A NR1 N/A	UT CAL THICKNESS
B9.11 B-J NUREG-0313A	A-23/05	2E 18HR-248-13 ELBOW TO YEE	PT-H-600/03 UT-H-400/10	131-H	S92H2P018 S92H2C131 S92H2U0231 S92H2C132 S92H2U0232	NR1 N/A NR1 N/A NR1	UT CAL UT CAL ONE-SIDED EXAM DUE TO CONFIGURATION.
B9.17 B-J NUREG-0313A	A-23/05	2E11-18HR-248-13U-3 LONGITUDINAL WELD UPSTREAM OR OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/10	131-H	S92H2P017 S92H2C073 S92H2U144	NR1 N/A NR1	UT CAL
B9.12 B-J NUREG-0313A	A-23/05	2E11-18HR-248-13U-1 LONGITUDINAL WELD UPSTREAM OR INSIDE OF ELBOW	PT-H-600/03 UT-H-400/10	131-H	S92H2P016 S92H2C072 S92H2U143	NR1 N/A NR1	UT CAL
<u>VALVE BOLTING</u>							
B7.70 B-G-2 ASME	A-21/05	2E11-1009 BOLTING VALVE BOLTING	VT-H-710/03	N/A	S92H2V031	SAT	
<u>CORE SPRAY SYSTEM</u>							
B9.11 B-J ASME	A-24/05	2E21-1CS-10A-10 ELBOW TO PIPE	MT-H-500/05 UT-H-400/10	54-H	S92H2M025 S92H2C038 S92H2U094 S92H2C039 S92H2U025 S92H2U096	NR1 N/A NR1 N/A NR1 N/A	UT CAL UT CAL THICKNESS

E.I. WATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>CORE SPRAY SYSTEM</u>							
S9.11 B-J ASME	A-24/05	2E21-1CS-10A-13 PIPE TO ELBOW	RT-H-500/05 UT-H-400/10	137-H	S92H2M043 S92H2C076 S92H2U148 S92H2U149	NR1 N/A UT C/L NR1 N/A THICKNESS	
B5.130 B-F NUREG-03130	A-24/05	2E21-1CS-10A-20 PIPE TO SAFE-END	PT-H-600/03 UT-H-400/10	137-H	S92H2P008 S92H2C126 S92H2U216 S92H2U217	NR1 N/A UT CAL R1 GEOMETRY N/A WELD PROFILE	
B5.10 B-F NUREG-03130	A-24/05	2E21-1CS-10A-21 SAFE-END TO NOZZLE	PT-H-600/03 UT-H-400/37	7B-H	S92H2P009 S92H2C096 S92H2U170 S92H2C124 S92H2U213 S92H2U171 S92H2U173	NR1 N/A UT CAL R1 GEOMETRY N/A UT CAL NR1 N/A WELD PROFILE N/A THICKNESS	CODE CASE N-461 USED.
<u>VALVE BOLTING</u>							
B7.70 B-G-2 ASME	A-24/05	2E21-F006A BOLTING VALVE BOLTING	VT-H-710/03	N/A	S92H2V032	SAT	
B7.70 B-G-2 ASME	A-25/06	2E21-F006B BOLTING VALVE BOLTING	VT-H-710/03	N/A	S92H2V033	UNSAT HEAVY CORROSION	USE AS IS PER ENGINEERING EVALUATION. SEE INPR 192R2010.
<u>HIGH PRESSURE COOLANT INJECTION SYSTEM</u>							
S9.11 C-J ASME	A-25/06	2E41-14PC1-10-B-9 PIPE TO ELBOW	RT-H-500/05 UT-H-400/10	54-H	S92H2M049 S92H2C071 S92H2U162	NR1 N/A UT CAL R1 GEOMETRY	

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION SEQUENCE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>REACTOR PRESSURE COOLANT INJECTION SYSTEM</u>							
B9.11 B-J ASME	A-26/06	2641-TRPC1-1U-D-10 ELBOW TO PIPE	MT-H-500/05 UT-H-400/10	54-H	S92H2M050 S92H2C074 S92H2U145 S92H2U146	NRI N/A RI N/A	UT CAL GEOMETRY TRIDYFFSS
<u>REACTOR WATER CLEANUP SYSTEM</u>							
B9.11 B-J ASME	A-30A/01	2631-TRVCU-3-4 VALVE TO PIPE	MT-H-300/05	N/A	S92H2M059	RI	
B10.10 B-K-1 NUREG-0313L	A-28/05	2631-TRVCUR-6-D-3P-11 THRU 4 PIPE LUSS	PT-H-600/03	N/A	S92H2P022	NRI	
B9.12 B-J NUREG-0313A	A-28/05	2631-TRVCUR-6-D-7BC-1 PIPE TO BRANCH CONN.	PT-H-600/03	N/A	S92H2U174	NRI	
B9.11 B-J NUREG-0313A	A-28/05	2631-TRVCUR-6-D-13 ELBOW TO PIPE	PT-H-600/05 UT-H-400/10	133-H	S92H2P028 S92H2C098 S92H2U174	NRI N/A NRI	UT CAL
B9.12 B-J NUREG-0313A	A-26/05	2631-TRVCUR-6-D-13LD LONGITUDINAL SEAM WELD EXTENDING DOWNSTREAM	PT-H-600/03 UT-H-400/10	133-H	S92H2P027 S92H2C099 S92H2U175	NRI N/A NRI	UT CAL
B9.12 B-J NUREG-0313A	A-26/05	2631-TRVCUR-6-D-13LU-0 LONGITUDINAL WELD UPSTREAM ON OUTSIDE OF ELBOW	PT-H-600/03 UT-H-400/10	133-H	S92H2P026 S92H2U101 S92H2U177	NRI N/A NRI	UT CAL

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 1 COMPONENTS

ASME	EXAM	EXAMINATION	CAL	EXAM/CAL	RESULTS	REMARKS
SECTION XI	FIGURE NO.	PROCEDURE	BLOCK	SHEET NO.		
<u>REACTOR WATER CLEANUP SYSTEM</u>						
B9.12	A-28/05	2G31-1RWCUH-6-D-13LU-1	PT-H-608/03	133-H	S92H2P025	NR1
B-J		LONGITUDINAL WELD UPSTREAM ON	UT-H-430/10		S92H2C100	H/A UT CAL
NUREG-0313A		INSIDE OF ELBOW			S92H2U176	NR1

<u>VALVE BOLTING</u>						
B7.70	A-28/05	2G31-F027 BOLTING	VT-H-710/03	N/A	S92H2V035	SAT
B-G-2		VALVE BOLTING				
ASME						

VISUAL EXAMINATION OF CLASS 1
VALVE INTERNALS

This section provides a summation of the ASME required visual examinations of Class 1 valve internal surfaces. These examinations were performed on valves that were disassembled for maintenance during the 1992 Refueling Outage. The examinations were performed by Georgia Power Company Quality Control Inspection personnel in accordance with GPC Procedure 45QC-INS-012-08. Copies of the inspection reports are available at the plant site. The valves inspected were from the following systems: Main Steam (2B21), High Pressure Coolant Injection (2E41), Reactor Water Cleanup (2G31), Residual Heat Removal (2E11), and Core Spray System (2E21). Listed below are the valves examined and a brief summary of the results.

<u>VALVE NUMBER</u>	<u>MWO NUMBER</u>	<u>REMARKS</u>
2B21-F010B	2-92-5258	Disassembled due to LLRT failure. Eroded areas found on disk seating surfaces. Thread damage on hinge pins over bolts. Repairs performed and leak rate test passed.
2B21-F013H	2-92-1874	This SRV was removed and shipped to Wyle Labs for inspection. VT was acceptable.
2E11-F050B	2-92-5237	Disassembled due to LLRT failure. No service induced discontinuities recorded.
2E41-F002	2-92-195	Partial disassembly due to electrical backseating during previous cycle. VT was acceptable.
2G31-F004	2-92-2927	New Bonnet, Yoke and Actuator installed per HELB design change. No service induced discontinuities noted.
2B21-F028C	2-92-4801	Disassembled due to LLRT failure. VT of internals acceptable. Main and Pilot Poppet Assembly replaced with VT baseline performed.
2B21-F077B	2-92-5149	Disassembled due to LLRT failure. As found VT reported evidence of erosion on disk seating surfaces, and evidence of stuffing box leakage. Repairs performed and leak rate test passed.

VISUAL EXAMINATION OF CLASS 1
VALVE INTERNALS
(Continued)

2G31-F001

2-92-197

Disassemble and inspect internals.
VT was acceptable.

2E21-F006B

2-92-3628

Disassemble and inspect internals.
3 indications were recorded in the
seat area. These indications were
removed after lapping the seat
area.

SUMMARY
OF
CLASS 2 EXAMINATIONS

E.1. HATCH UNIT 2 SPRING 1992 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>							
-- NUREG-0619	B-83/04	2C11-2CRD-3-2FW-1611 PIPE TO REDUCER	UT-H-400/10	4-H	S92H2C067 S92H2U136 S92H2C068 S92H2U137	N/A UT CAL NR1 N/A UT CAL NR1	ONE-SIDED EXAM DUE TO CONFIGURATION. EXAMINED WELD AND .5" BASE METAL. CODE CASE N-95 USED.
-- NUREG-0619	B-83/04	2C11-2CRD-4-2FW-1611 REDUCER TO TEE	UT-H 400/10	142-H	S92H2C063 S92H2U132 S92H2C064 S92H2U137	N/A UT CAL NR1 N/A UT CAL NR1	ONE-SIDED EXAM DUE TO CONFIGURATION. EXAMINED WELD AND .5" BASE METAL.
-- NUREG-0603	B-85/04	2C11-2CRD-8W-SDV-9 ELBOW TO PIPE	MT-H-500/05	N/A	S92H2M015	NR1	
<u>RESIDUAL HEAT REMOVAL SYSTEM</u>							
C1.20 C-A ASME	B-1/03	ZHX-A-1 SHELL HEAD TO UPPER SHELL RING	MT-H-500/05 UT-H-400/10	72-H 73-H	S92H2M011 S92H2C001 S92H2U005 S92H2C002 S92H2U006 S92H2C004 S92H2U026 S92H2C003 S92H2U025 S92H2C005 S92H2U027	NR1 N/A UT CAL NR1 N/A UT CAL R1 GEOMETRY N/A UT CAL NR1 N/A UT CAL R1 GEOMETRY N/A UT CAL R1 GEOMETRY	ONE-SIDED EXAM DUE TO CONFIGURATION. UT EXAM LIMITED TO 36% COVERAGE. MT EXAM LIMITED TO 80% COVERAGE. SEE RR 3.1.1.
C3.10 C-D ASME	B-1/03	ZHX-A-3S-1 LOWER SHELL RING SUPPORT	MT-H-500/05	N/A	S92H2M021	NR1	

E.I. HATCH UNIT 2 SPRING 1992 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>							
C2.21 C-B ASME	B-1/03	ZHX-B-1 INLET NOZZLE TO RHR HX SHELL	MT-H-500/05 UT-H-400/10	72-H	S92H2M003 S92H2C008 S92H2U033 S92H2C007 S92H2U032 S92H2C006 S92H2U026	NR1 N/A UT CAL NI N/A UT E/L RI GEOMETRY N/A UT CAL RI GEOMETRY	
-- -- AUGMENTED	B-101/02	2E11-2RHR-3B-TL-B-4 PIPE TO VALVE	MT-H-500/05	N/A	S92H2M042	NR1	
-- -- AUGMENTED	B-30/04	2E11-2RHR-4B-RX1-3 ELBOW TO FLANGE	MT-H-500/05	N/A	S92H2M004	NR1	
-- -- AUGMENTED	B-49/04	2E11-2RHR-4B-TS-B-1 BC TO PIPE	MT-H-500/05	N/A	S92H2M046	NR1	
C5.11 C-F ASME	B-19/05	2E11-2RHR-6B-RVD-2 PIPE TO ELBOW	MT-H-500/05	N/A	S92H2M005	NR1	
C5.11 C-F ASME	B-31/04	2E11-2RHR-16B-RXD-6 PIPE TO ELBOW	MT-H-500/05	N/A	S92H2M010	NR1	

E.I. HATCH UNIT 2 SPRING 1992 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-30/04	2E11-2RHR-16B-SS-5 PIPE TO TEE	MT-H-500/05		S92H2M00C	NR1	
C3.20 C-C ASME	B-35/04	2E11-2RHR-20-PS-2P1-1 THRU 4 DEVICE 2E11-KNR-H314	MT-H-500/05		S92H2M041	NI	
C5.21 C-F ASME	B-46/02	2E11-2RHR-24B-BP-7 PIPE TO PIPE	MT-H-500/05 UT-H-400/10	139-H	S92H2M016 S92H2C062 S92H2U130 S92H2U131	NI N/A R1 N/A	UT CAL GEOMETRY THICKNESS
C5.31 C-F ASME	B-47/03	2E11-2RHR-24B-HX1-2BC/2E11- 2RHR-20B-P0-B PIPE TO BRANCH CONNECTION	MT-H-500/05	N/A	S92H2M014	NR1	
<u>CORE SPRAY SYSTEM</u>							
- - AUGMENTED	B-98/02	2E21-2CS-3-MFL-7 VALVE TO PIPE	MT-H-500/05	N/A	S92H2M012	NR1	
C5.11 C-F ASME	B-55/04	2E21-2CS-10B-TL-4 PIPE TO FLANGE	MT-H-500/05	N/A	S92H2M007	NR1	
- - AUGMENTED	B-59/05	2E21-2CS-12B-18C/2E21-2CS-3MFL PIPE TO SC	MT-H-500/05	N/A	S92H2M047	NR1	

E.I. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 2 COMPONENTS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
<u>CORE SPRAY SYSTEM</u>							
C5.11 C-F ASME	B-59/05	2E21-2CS-12B-5 VALVE TO PIPE	MT-H-500/05	N/A	S92H2M013	WRI	
<u>HIGH PRESSURE COOLANT INJECTION SYSTEM</u>							
C5.21 C-F ASME	B-68/04	2E41-2HPC1-10-D-27 PIPE TO ELBOW	MT-H-500/05 UT-H-400/10	54-H	S92H2M060 S92H2M061 S92H2C136 S92H2U242 S92H2C137 S92H2U244 S92H2U243	RI NI N/A RI N/A RI N/A	LINEAR IND. PLANAR INDICATIONS REMOVED. PLANAR INDICATIONS ARE ACCEPTABLE AS IS. SEE IRF 192H2015 AND 192H2017.
C5.21 C-F ASME	B-68/04	2E41-2HPC1-10-D-35A PIPE TO VALVE	UT-H-400/10	54-H	S92H2C069 S92H2U139 S92H2C070 S92H2U140 S92H2C061 S92H2U138 S92H2U141	N/A WRI N/A WRI N/A RI N/A	UT CAL ONE-SIDED EXAM DUE TO CONFIGURATION. UT CAL MT EXAM PERFORMED BY GPC QC. UT CAL UT CAL GEOMETRY THICKNESS
<u>HIGH PRESSURE COOLANT INJECTION SYSTEM</u>							
C5.21 C-F ASME	B-70/04	2E41-2HPC1-10-TL-4A PIPE TO VALVE	MT-H-500/05 UT-H-400/10	137-H	S92H2M054 S92H2C110 S92H2U190 S92H2C108 S92H2U188 S92H2C119 S92H2U205 S92H2U186	NI N/A RI N/A NI N/A RI N/A	UT CAL ONE-SIDED EXAM DUE TO CONFIGURATION. UT CAL GEOMETRY UT CAL UT CAL GEOMETRY THICKNESS

E.I. HATCH UNIT 2 SPRING 1992 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>							
C5.21 C-F ASME	B-70/04	2E41-2HPC1-13-TL-5A VALVE TO PIPE	MT-H-500/05 UT-H-400/10	137-H	S92H2M053 S92H2C102 S92H2U178 S92H2C109 S92H2U189 S92H2C120 S92H2U206 S92H2U185	NI N/A UT CAL RI GEOMETRY N/A UT CAL NR1 N/A UT CAL RI GEOMETRY N/A THICKNESS	ONE-SIDED EXAM DUE TO CONFIGURATION.
- - AUGMENTED	B-73A/02	2E41-2HPC1-16-CS-2 ELBOW TO PIPE	PT-H-600/03	N/A	S92H2P001	NI	
C3.20 C-C ASME	B-69/04	2E41-2HPC1-20-TD-4PL-1 THRU 4 DEVICE 2E41-HPC1-H5	MT-H-500/05	N/A	S91H2M009	NR1	
C3.20 C-C ASME	B-69/04	2E41-2HPC1-10-TD-6PL-1 THRU 8 DEVICE 2E41-HPC1-R20	MT-H-500/05	N/A	S92H2M008	NR1	
<u>REACTOR CORE ISOLATION COOLING SYSTEM</u>							
B9.11 B-J ASME	A-388/01	2E51-2RC1C-4-D-39 TEE TO PIPE	MT-H-500/05 UT-H-400/10	142-H	S92H2M056 S92H2C134 S92H2U239 S92H2C135 S92H2U240 S92H2U241	NI N/A UT CAL NR1 N/A UT CAL NR1 N/A THICKNESS	ONE-SIDED EXAM DUE TO CONFIGURATION.

E-1. HATCH UNIT 2 SPRING 1992 REFUELING OUTAGE
CLASS 2 COMPONENTS

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-388/01	2E51-2RC1C-6-D-1 REDUCER TO PIPE	MT-H-500/05 UT-H-400/10	50-H	S92H2M052 S92H2C118 S92H2U200 S92H2C130 S92H2U225 S92H2U201 S92H2U202 S92H2U203 S92H2U204	NI N/A UT CAL NRI N/A UT CAL NRI N/A WELD PROFILE N/A WELD PROFILE N/A WELD PROFILE N/A WELD PROFILE	ONE-SIDED EXAM DUE TO CONFIGURATION.
C5.11 C-F ASME	B-82/06	2E51-2RC1C-10-TD-2 PIPE TO TEE	MT-H-500/05	N/A	S92H2M002	NRI	
C5.11 C-F ASME	B-82/06	2E51-2RC1C-10-TD-3 TEE TO PIPE	MT-H-500/05	N/A	S92H2M001	NRI	
<u>REACTOR WATER CLEANUP SYSTEM</u>							
-- -- NUREG-0619	B-83/04	2G31-2RWCU-4-2FW-33 TEE TO PIPE	UT-H-400/10	142-H	S92H2C065 S92H2U134 S92H2C066 S92H2U135	N/A UT CAL NRI N/A UT CAL NRI	ONE-SIDED EXAM DUE TO CONFIGURATION. EXAMINED WELD AND .5" BASE METAL.
<u>MAIN STEAM AUXILIARY SYSTEM</u>							
C5.21 C-F ASME	B-3/02	2H11-2MSA-6A-SJAE-1 BRANCH CONNECTION TO PIPE	MT-H-500/05 UT-H-400/10	50-H	S92H2M051 S92H2C082 S92H2U155 S92H2C083 S92H2U156 S92H2U157	NRI N/A UT CAL NRI N/A UT CAL NRI GEOMETRY N/A THICKNESS	ONE-SIDED EXAM DUE TO CONFIGURATION.

E.I. HATCH UNIT 2 SPRING 1992 REFUELLING OUTAGE
CLASS 2 COMPONENTS

ACR	EXAM	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHELL NO.	RESULTS	REMARKS
CS.21	B-7704	2W11-2MSA-16C-B	MT-H-500/05	53-H	S92H2M018	NI	ONE-SIDED EXAM DUE TO CONFIGURATION.
C-F		PIPE TO TEE	UT-H-400/10		S92H2C015	N/A	
ASME					S92H2U054	RI	
					S92H2C017	N/A	
					S92H2U060	RI	
					S92H2U055	N/A	
CS.20	B-10/07	2W11-2MSA-24B-13PL-1 TUBES	MT-H-500/05	N/A	S92H2M017	NI	
C-C		DEVICE 2W11-MS-460					
ASME							

MAIN STEAM AUXILIARY SYSTEM

SUMMARY
OF
CLASS 1, 2, AND 3 PRESSURE TESTS

PRESSURE TESTING

GENERAL

This section of the report provides a discussion of the pressure tests which were performed during the 1992 Plant E.I. Hatch Unit 2 Fall Refueling Outage. These pressure tests were performed for the purpose of inservice inspection on Class 1, 2, and 3 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-006-2S, ISI Pressure Test of the Class 1 System.

TEST RESULTS

Only minor leakage at mechanical joints was found during the VT-2 examination. 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>
2B21-LT-1	42IT-TET-006-2S	2-93-3625

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.

Four (4) Class 2 Hydrostatic Pressure Tests were performed during the outage per ASME Section XI Code Case N-498. The tests were 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 examinations 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>
2E41-HT-3	42IT-TET-003-OS	2-92-3636
2C41-HT-1*	42IT-TET-004-OS	Not Required
2E41-HT-4*	42IT-TET-004-OS	Not Required
2E11-HT-5*	42IT-TET-004-OS	Not Required
2E11-HT-10*	42IT-TET-004-OS	Not Required

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

CLASS 3 PRESSURE TESTS

Four (4) Class 3 Hydrostatic Pressure Tests were performed during the outage per ASME Section XI, paragraph IWA-5211(d), in accordance with GPC procedure, 42IT-TET-003-OS, Hydrostatic Pressure Testing of Piping and Components.

One (1) Class 3 Inservice Test was performed during the outage per ASME Section XI, paragraph IWA-5211(c), in accordance with GPC procedure, 42IT-TET-004-OS, Operating Pressure Testing of Piping and Components.

TEST RESULTS

Only minor mechanical leakage was reported during the VT-2 examinations and was determined to be acceptable or was repaired.

CLASS 3 PRESSURE TEST SUMMARY

<u>TEST I.D.</u>	<u>PROCEDURE</u>	<u>MWO NUMBER</u>
2P41-HT-24	42IT-TET-003-OS	2-92-2788
2P41-HT-32	42IT-TET-003-OS	2-92-2788
2P41-HT-33	42IT-TET-003-OS	2-92-2788
2P41-HT-36	42IT-TET-003-OS	2-92-3604
2G41-IT-1	42IT-TET-004-OS	Not Required

SUMMARY OF VISUAL EXAMINATIONS

CLASS 1, 2, AND 3

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 prior to and during the Refueling/Maintenance Outage. Examinations were performed using SNC Procedure VT-H-730 (VT-3). The procedure and all examination data sheets are available for review at the plant site.

Examinations

Pipe Supports

Class 1

Six (5) component supports from the B21, B31, E11, E21, E41 and E51 Systems were visually examined. No unacceptable indications were detected.

Class 2

Thirteen (13) component supports from the C11, C41, E11, E21, E41, E51, G51, N11, and T48 systems were visually examined. One (1) of these Class 2 component supports was found unacceptable.

Class 3

Fourteen (14) component supports from the B21, E11, G41, P41, and P64 systems were visually examined. Three (3) of these Class 3 component supports were found to be unacceptable.

Equipment Supports

Class 2

Four (4) equipment supports from the C41 and T47 system were visually examined. No unacceptable indications were detected.

Class 3

Six (6) equipment supports from the E11, P41, and P64 systems were visually examined. No unacceptable indications were detected.

After maintenance and/or engineering evaluation, all of the unacceptable component supports were determined to be acceptable. Where maintenance was involved, the component supports were re-examined to confirm acceptability.

1992 E.I. HATCH UNIT 2 PIPE SUPPORTS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
2	2C41-A001-S01	2C41-SK2	SUPPORT	A	S92H2V146					
2	2C41-C001A-S01	2C41-SK3	SUPPORT	A	S92H2V147					
3	2E11-C001A-S01	2E11-SK10	SUPPORT	A	S92H2V148					
3	2E11-D002A-S01	2E11-SK11	SUPPORT	A	S92H2V149					
3	2P41-C001A-S01	2P41-SK12	SUPPORT	A	S92H2V150					
3	2P41-C002-S01	2P41-SK13	SUPPORT	A	S92H2V151					
3	2P41-D001A-S01	2P41-SK14	SUPPORT	A	S92H2V152					
3	2P64-B006A-S01	2P64-SK15	SUPPORT	A	S92H2V153					
2	2T47-B008A-S01	2T47-SK9	SUPPORT	A	S92H2V154					
2	2T47-B009A-S01	2T47-SK9	SUPPORT	A	S92H2V155					
1	2B21-MS-H3	A-6/05	SPRING	A	S92H2V013					
1	2B21-RFW-H4	A-11/05	SPRING	A	S92H2V010					
1	2B21-RFW-H5	A-11/05	SPRING	A	S92H2V017					
1	2B31-HA2	A-17/04	SPRING	A	S92H2V012					
1	2E11-RHR-H367	A-20/04	HANGER	A	S92H2V026					
1	2E11-RHR-H332	A-22/05	SPRING	A	S92H2V011					
2	2N11-MS-H14	B-10/07	SPRING	A	S92H2V009					
2	2E11-RHR-H314	B-39/04	SPRING	U	S92H2V016	192H2008	2-92-5215	A	S92H2V044	MINOR CORROSION AND DEBRIS.
2	2E21-CS-R48	B-57/04	RESTRAINT	A	S92H2V006					
2	2E21-CS-R47	B-57/04	RESTRAINT	A	S92H2V005					
2	2E41-HPCI-R102	B-66/05	RESTRAINT	A	S92H2V004					

1992 E.I. HATCH UNIT 2 PIPE SUPPORTS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
2	2E41-HPC1-R104	B-66/05	RESTRAINT	A	S92H2V003					
2	2E41-HPC1-H25	B-70/04	SPRING	A	S92H2V038					
2	2G51-TD-H1	B-76/04	SPRING	A	S92H2V002					
2	2E51-RC1C-R71	B-96/03	RESTRAINT	A	S92H2V008					
3	2P41-SH-H92	C-17/02	HANGER	A	S92H2V007					
3	2E11-RHR-RE4	C-108/03	RESTRAINT	U	S92H2V034	192H2012	2-92-5301	A	S92H2V040	3/16" LINEAR INDICATION.
3	2B21-MSRV-H12	C-109/02	SPRING	U	S92H2V036	192H2011	2-92-5346	A	S92H2V144	I.D. TAG WIRED TO SPRING.
3	2B21-MSRV-RB1	C-111/02	RESTRAINT	A	S92H2V043					
3	2B21-MSRV-H15	C-111/02	SPRING	U	S92H2V037	192H2011	2-92-5346	A	S92H2V145	I.D. TAG WIRED TO SPRING. SPRING CAN READING OUT OF TOLERANCE.
3	2B21-MSRV-H8	C-119/02	SPRING	A	S92H2V039					
3	2B21-MSRV-H20	C-120/02	SPRING	A	S92H2V042					
3	2B21-MSRV-H32	C-124/02	SPRING	A	S92H2V041					

1997 E.I. HATCH UNIT 2 EQUIPMENT SUPPORTS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
2	2C41-A001-S01	2C41-SK2	SUPPORT	A	S92H2V146					
2	2C41-C001A-S01	2C41-SK3	SUPPORT	A	S92H2V147					
3	2E11-C001A-S01	2E11-SK10	SUPPORT	A	S92H2V148					
3	2E11-D002A-S01	2E11-SK11	SUPPORT	A	S92H2V149					
3	2P41-C001A-S01	2P41-SK12	SUPPORT	A	S92H2V150					
3	2P41-C002-S01	2P41-SK13	SUPPORT	A	S92H2V151					
3	2P41-D001A-S01	2P41-SK14	SUPPORT	A	S92H2V152					
3	2P64-B006A-S01	2P64-SK15	SUPPORT	A	S92H2V153					
2	2T47-B008A-S01	2T47-SK9	SUPPORT	A	S92H2V154					
2	2T47-B009A-S01	2T47-SK9	SUPPORT	A	S92H2V155					

SNUBBER SUPPORT EXAMINATIONS

This section of the report provides a discussion of the visual examinations 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

Eighty-two (82) snubbers from the B21, B31, E11, E21, E41, E51, and G31 systems were visually examined. One indication was reported, but was evaluated as being acceptable as-is.

Class 2

One hundred fifty-eight (158) snubbers from the E11, E21, E41, E51, N11 and T48 systems were visually examined. Four indications were reported, but were evaluated as being acceptable as-is.

Class 3

Sixty-eight (68) snubbers from the B21, E11, and G41 systems were visually examined. No unacceptable indications were detected.

1992 E.I. HATCH UNIT 2 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
1	2B31-SSA21	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA22	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA8	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA7	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA1	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA2	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA3	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA4	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA5	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA6	A-16/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA14	A-17/4	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA17	A-17/4	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA12	A-17/4	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA13	A-17/4	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA20	A-17/4	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSA19	A-17/4	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB21	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB22	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB8	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB7	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC

1992 E.I. HATCH UNIT 2 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
1	2B31-SSB1	A-18/05	HYDRAULIC SNUBBER	A	N/A		2-92-5127			EXAMINED BY GPC QC REPLACED COTTER PIN. ACCEPTABLE AS IS
1	2B31-SSB2	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB3	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB4	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB5	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB6	A-18/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB14	A-19/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB17	A-19/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB13	A-19/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB12	A-19/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB20	A-19/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B31-SSB19	A-19/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R67	B-7/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R71	B-7/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R72	B-7/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R45	B-9/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R44	B-9/06	HYDRAULIC SNUBBER	A	N/A		2-92-5005			EXAMINED BY GPC QC BROKEN WIPER SEAL, ACCEPTABLE AS IS.
2	2N11-MS-R43	B-9/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R48	B-9/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC

1992 E.I. HATCH UNIT 2 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
2	2N11-MS-R38	B-10/07	HYDRAULIC SNUBBER	A	N/A		2-92-5005			EXAMINED BY GPC QC RETORQUED LOOSE NUTS, ACCEPTABLE AS IS MWO 2-92-5823
2	2N11-MS-R37	B-10/07	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R93	B-10/07	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R41	B-10/07	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R42	B-10/07	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R54	B-11/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R55	B-11/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R56	B-11/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R57	B-11/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R58	B-11/06	HYDRAULIC SNUBBER	A	N/A		2-92-5005			EXAMINED BY GPC QC OFF-CENTER SPHERICAL BEARING, ACCEPTABLE AS IS.
2	2N11-MS-R59	B-11/06	HYDRAULIC SNUBBER	A	N/A		2-92-5005			EXAMINED BY GPC QC OFF-CENTER SPHERICAL BEARING, ACCEPTABLE AS IS.
2	2N11-MS-R49	B-12/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R50	B-12/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R51	B-12/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R91	B-12/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R53	B-12/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R88	B-17/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R90	B-17/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC

1992 E.I. MATCH UNIT 2 SNIBBERS

ASPH CLASS	SUPPORT	FIGURE NO	RANGER TYPE	RESULTS	REPORT NO.	INF NO.	WAD NO.	RESULTS	REPORT NO.	REMARKS
2	2E11-RHR-R93	B-17/06	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R94	B-17/06	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R129	B-18/06	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R128	B-18/06	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R100	B-21/06	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R101	B-21/06	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R102	B-21/06	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R250	B-26/04	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R251	B-26/04	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R256	B-27/03	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R254	B-27/03	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R267	B-28/03	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R264	B-28/03	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R375	B-28/03	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R376	B-28/03	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R258	B-29/04	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R374	B-29/04	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R268	B-30/04	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R269	B-30/04	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R272	B-31/04	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC
2	2E11-RHR-R274	B-31/04	HYDRAULIC SNIBBER	A	N/A					EXAMINED BY GPC GC

1992 E.V. HATCH UNIT 2 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWO NO.	RESULTS	REPORT NO.	REMARKS
2	2E11-RHR-R285	B-32/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R282	B-32/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R378	B-32/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R379	B-32/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R276	B-33/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R377	B-33/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R86	B-34/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R98	B-34/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R231	B-35/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R241	B-36/06	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R238	B-37/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R245	B-38/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R315	B-39/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R252	B-40/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R253	B-40/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R223	B-43/03	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R270	B-46/02	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R271	B-46/02	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R227	B-49/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-R53	B-56/07	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-R72	B-59/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC

1992 E.I. HATCH UNIT 2 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO.	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWD NO.	RESULTS	REPORT NO.	REMARKS
2	2E21-CS-R35	B-60A/03	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-R80	B-60B/03	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-R40	B-62/04	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-R87	B-64/05	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2T48-CPUR-R50	B-78/03	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2T48-CPUR-R49	B-78/03	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2T48-CPUR-R15	B-80/03	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2T48-CPUR-R14	B-80/03	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2E11-RSW-R15	C-7/02	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2E11-RSW-R23	C-8/02	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2G41-FPC-R114	C-105/2	HYDRAULIC SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R45	A-6/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R46	A-6/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R47	A-6/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R48	A-6/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R49	A-7/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R50	A-7/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R52	A-7/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R53	A-7/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R54	A-7/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R55	A-7/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

1992 E.I. HATCH UNIT 2 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWD NO.	RESULTS	REPORT NO.	REMARKS
1	2B21-NV-R38	A-8/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R39	A-8/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R41	A-8/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R43	A-8/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R42	A-8/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R44	A-8/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MV-R34	A-9/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R35	A-9/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MS-R36	A-9/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-MV-R37	A-9/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-RFW-R31	A-10/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2B21-RFW-R27	A-11/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R338	A-21/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R339	A-21/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R340	A-21/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R342	A-21/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R353	A-22/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R354	A-22/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R352	A-22/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R351	A-22/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R355	A-22/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

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ACME CLASS	SUPPORT	FIGURE NO.	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWD NO.	RESULTS	REPORT NO.	REMARKS
1	2E11-RHR-R358	A-23/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R359	A-23/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R357	A-23/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R356	A-23/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E11-RHR-R350	A-23/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E21-CS-R98	A-24/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E21-CS-R59	A-25/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E41-RPCI-R110	A-26/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E41-RPCI-R111	A-26/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E41-RPCI-R112	A-26/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E41-RPCI-R113	A-26/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E41-RPCI-R114	A-26/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E41-RPCI-R115	A-26/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E51-RCIC-R114	A-27/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E51-RCIC-R117	A-27/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2E51-RCIC-R116	A-27/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2G31-RWCU-R156	A-28/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2G31-RWCU-R167	A-28/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
1	2G31-RWCU-R168	A-28/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2W11-WPS-R66	B-6/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
	2W11-WPS-R67	B-6/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

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ASME CLASS	SUPPORT	FIGURE NO	HATCHER TYPE	RESULTS	REPORT NO.	INF NO.	NUO NO.	RESULTS	REPORT NO.	REMARKS
2	2N11-MS-R68	B-7/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R69	B-7/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R70	S-7/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R46	B-9/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R22	B-9/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R47	B-9/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R39	B-10/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R40	B-10/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2N11-MS-R54	B-12/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R326	B-14/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R327	B-14/07	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RJR-R235	B-15/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R270	B-15/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R292	B-15/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPCI-R93	B-16/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPCI-R91	B-16/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R91	B-17/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H700	B-17/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H702	B-17/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H703	B-17/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-SHR-H706	B-17/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

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ASME CLASS	SUPPORT	FIGURE NO	RANGER TYPE	RESULTS	REPORT NO.	INF NO.	MUD NO.	RESULTS	REPORT NO.	REMARKS
2	2E11-RHR-H705	B-17/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H382	B-18/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H125	B-18/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H125	B-18/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H299	B-19/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H295	B-19/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H297	B-19/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H32	B-20/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H105	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H707	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H710	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H708	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H712	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H105	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H106	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H709	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H713	B-21/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H715	B-22/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H225	S-42/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H230	B-42/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-H226	B-42/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

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ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	RNO NO.	RESULTS	REPORT NO.	REMARKS
2	2E11-RHR-R224	B-43/03	MECH SNUBBER	A	N/A		2-92-4996			EXAMINED BY GPC QC REPLACED COTTER PIN. ACCEPTABLE AS IS.
2	2E11-RHR-R221	B-44/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R229	B-45/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R240	B-46/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R233	B-47/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R714	B-48/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R228	B-49/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-RHR-R222	B-50/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-R107	B-55/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-R37	B-60A/03	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E11-CS-R8E	B-60B/03	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-R42	B-61/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-H706	B-62/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-H707	B-62/06	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-H90	B-63/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-H702	B-64/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E21-CS-H703	B-64/05	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPCI-E50	B-65/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPCI-R73	B-67/03	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPCI-H90	B-68/04	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

1992 E.T. MATCH UNIT 2 SNUGGERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	WAD NO.	RESULTS	REPORT NO.	REMARKS
2	2E41-HPC1-R78	B-68/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPC1-R76	B-68/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPC1-R19	B-69/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPC1-R21	B-67/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPC1-R22	B-69/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPC1-R20	B-69/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPC1-R45	B-70/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPC1-H702	B-73/05	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2148-CPUR-R54	B-79/05	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2148-CPUR-H721	B-79/05	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2148-CPUR-H722	B-79/05	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E51-RC1C-R110	B-82/06	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E51-RC1C-R705	B-86/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E51-RC1C-R40	B-86/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E51-RC1C-R41	B-86/04	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E51-RC1C-R44	B-85/02	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E51-RC1C-R43	B-89/02	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E41-HPC1-R55	B-94/02	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
2	2E51-RC1C-R70	B-96/06	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
3	2E41-FPC-R125	C-99/02	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC
	2E21-HGRV-R116	C-109/2	MECH SNUGGER	A	N/A					EXAMINED BY GPC QC

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ADME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MWD NO.	RESULTS	REPORT NO.	REMARKS
3	2821-MSRV-R119	C-109/2	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R113	C-110/1	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R114	C-110/1	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R115	C-110/1	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R116	C-110/1	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R75	C-112/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R76	C-112/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R77	C-112/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R78	C-112/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R79	C-112/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R80	C-112/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R50	C-113/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R66	C-114/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R68	C-115/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R67	C-115/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R69	C-115/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R70	C-115/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R71	C-116/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R72	C-116/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R73	C-116/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R121	C-117/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

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ASME CLASS	SUPPORT	FIGURE NO	RANGER TYPE	RESULTS	REPORT NO.	INF NO.	MAD NO.	RESULTS	REPORT NO.	REMARKS
3	2B21-MSRV-R36	C-117/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R37	C-117/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R38	C-117/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R40	C-117/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R41	C-117/01	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R45	C-118/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R33	C-119/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R82	C-119/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R83	C-119/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R84	C-119/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R88	C-119/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R89	C-119/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R52	C-120/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R54	C-120/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R57	C-120/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R56	C-120/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R58	C-120/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R90	C-121/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R91	C-121/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R93	C-121/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2B21-MSRV-R94	C-121/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

1992 E.I. PATCH UNIT 2 SNUBBERS

ASME CLASS	SUPPORT	FIGURE NO	HANGER TYPE	RESULTS	REPORT NO.	INF NO.	MAO NO.	RESULTS	REPORT NO.	REMARKS
3	2821-MSRV-R59	C-122/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R60	C-122/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R63	C-122/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R62	C-122/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R64	C-122/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R65	C-122/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R96	C-123/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R97	C-123/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R98	C-123/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R99	C-123/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R100	C-123/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R101	C-123/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R103	C-123/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R104	C-123/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R105	C-124/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R106	C-124/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R107	C-124/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R108	C-124/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R109	C-124/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R110	C-124/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC
3	2821-MSRV-R111	C-124/02	MECH SNUBBER	A	N/A					EXAMINED BY GPC QC

SUMMARY OF
AUGMENTED INSPECTIONS

E.I. HATCH UNIT 1 FALL 1991 REFUELING OUTAGE
AUGMENTED EXAMINATIONS

ASME SECTION XI	EXAM FIGURE NO.	EXAMINATION/AREA	EXAMINATION PROCEDURE	CAL BLOCK	EXAM/CAL SHEET NO.	RESULTS	REMARKS
REACTOR WATER CLEANUP SYSTEM							
--	C-129/01	2631-3RWCU-4-D-16	UT-H-400/10	145-H	S92H2C159	N/A	UT CAL
--		ELBOW TO PIPE			S92H2U266	NI	
NUREG-0313s							
					S92H2C139	N/A	UT CAL
					S92H2U246	NR1	
					S92H2C149	N/A	UT CAL
					S92H2U256	RI	GEOMETRY
					S92H2C148	N/A	UT CAL
					S92H2U255	NR1	
					S92H2U278	N/A	THICKNESS
NUREG-0313s							
--	C-129/01	2631-3RWCU-4-D-20	UT-H-400/10	145-H	S92H2C158	N/A	UT CAL
--		TEE TO ELBOW			S92H2U265	NI	
NUREG-0313s							
					S92H2C141	N/A	UT CAL
					S92H2U248	NR1	
					S92H2C150	N/A	UT CAL
					S92H2U257	NR1	
					S92H2C151	N/A	UT CAL
					S92H2U258	NR1	
					S92H2U273	N/A	*THICKNESS
NUREG-0313s							
--	C-129/01	2631-3RWCU-4-D-21	UT-H-400/10	145-H	S92H2C157	N/A	UT CAL
--		ELBOW TO PIPE			S92H2U264	NI	
NUREG-0313s							
					S92H2C140	N/A	UT CAL
					S92H2U267	RI	GEOMETRY
					S92H2C152	N/A	UT CAL
					S92H2U259	RI	GEOMETRY
					S92H2C153	N/A	UT CAL
					S92H2U260	NR1	
					S92H2U277	N/A	THICKNESS

E.I. WATCH UNIT 1 FALL 1991 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 CLEARUP SYSTEM</u>							
--	C-130/01	2031-3RWCU-4-R-4	UT-R-400/10	145-H	S92H2C15A	N/A	UT CAL
--		ELBOW TO PIPE			S92H2C163	NI	
						S92H2C143	UT CAL
						NR1	
						S92H2C146	UT CAL
						NR1	
						S92H2C147	UT CAL
						RI	GEOMETRY
						S92H2C174	THICKNESS
--	C-130/01	2031-3RWCU-4-R-12	UT-R-400/10	145-H	S92H2C155	N/A	UT CAL
--		ELBOW TO PIPE			S92H2C162	NI	
						S92H2C142	UT CAL
						NR1	
						S92H2C145	UT CAL
						NR1	
						S92H2C144	UT CAL
						NR1	
						S92H2C175	THICKNESS
--	C-125/01	2031-3RWCU-6-D-4	UT-R-400/10	133-H	S92H2C154	N/A	UT CAL
--		ELBOW TO PIPE			S92H2C161	NI	
						S92H2C160	UT CAL
						NR1	
						S92H2C162	UT CAL
						NR1	
						S92H2C176	THICKNESS

E.T. HATCH UNIT 1 FALL 1991 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 CLEANUP SYSTEM</u>							
--	C-125/01	2631-3RWCU-6-0-6	UT-R-400/10	135-H	S92-2C164	N/A	UT CAL
--		ELBOW TO PIPE			S92M2U271	NR1	
NUREG-0313							
					S92M2C161	N/A	UT CAL
					S92M2U268	NR1	
					S92M2C163	N/A	UT CAL
					S92M2U270	NR1	
					S92M2U272	N/A	THICKNESS

SUMMARY OF
REACTOR PRESSURE VESSEL
INTERNAL INSPECTIONS

1992 REACTOR PRESSURE VESSEL INTERNALS

This section of the report provides a summary of the remote visual examinations performed by SNC and GE on selected RPV internals and remote UT of vessel shroud support ledge access covers at azimuth 0 degrees and 180 degrees. The visual examinations were performed using SNC procedure VT-H-750 Rev.3. This procedure incorporates requirements for ASME Section XI, GE Service Information Letters and NUREG/CR-4523.

All visual examination tapes were reviewed by SNC or GE certified level II and/or III visual examiners to determine the acceptability of the various RPV internal components.

CORE SPRAY SPARGER INSPECTION

Per the requirements of NUREG/CR-4523, the core spray spargers and associated piping were visually examined. Underwater video equipment recorded the examination results to the resolution of a .001 inch diameter visual acuity standard.

No reportable indications were found.

STEAM DRYER INSPECTION

Remote visual examinations were performed on various components of the steam dryer which consisted of: support ring, stiffeners and stiffener welds, vertical vane bank welds, support bracket weld @ 34, 146, 214, and 326 deg., and the lifting eye and rod.

Indications were found at various locations in the vessel and on the steam dryer. Plant personnel conducted an "Event Review" to determine the most likely cause in conjunction with GE engineering and SNC personnel. The indications were attributed to an off-center lift of the steam dryer during vessel disassembly.

Indications were reported on vessel dryer support lug at azimuths 145, 215, and 325 degrees and the corresponding steam dryer seismic brackets at azimuth 145 and 215 degrees. Two vessel dryer lugs (azimuth 145 and 215 degrees) were repaired under MWO 2-92-5156 using GE developed remote tooling. The azimuth 325 degrees lug and the steam dryer seismic brackets were dispositioned for use "as is" by GE engineering. Indications also attributed to the off-center steam dryer lift were detected on the Steam Dryer upper bank at azimuth 130 degrees and an upper guide rod bracket attachment weld. These were dispositioned acceptable "as is" for continued operation.

Indications that were not attributed to lifting the steam dryer were detected on steam dryer plate material adjacent to dryer bank weld numbers 12, 27 and 32. All were accepted for continued operation "as is" with future monitoring requested. No other reportable indications were found.

SHROUD ACCESS COVER INSPECTIONS

Remote visual and ultrasonic examinations were performed on the Shroud Access Cover Welds at azimuth 0 and 180 degrees. UT examinations utilized GE developed equipment and procedures. Two non-geometric planar indications were discovered on the 180 degree cover. An analysis performed by GE Nuclear Energy resulted in a disposition to continue operation "as-is". No recordable indications were found on the azimuth 0 degree cover weld. No recordable indications were found visually at either location.

FEEDWATER SPARGER INSPECTION

Remote visual examination was performed on the feedwater spargers and sparger bracket attachment welds at 45, 135, 222, and 315 degrees. Debris was discovered in a sparger nozzle and slight damage to another nozzle at azimuth 45 degrees. The debris was removed and analysis performed to determine material. The damage was dispositioned as acceptable as is for continued operation. In addition a damaged tack weld on a feedwater sparger bracket nut was detected. This was accepted as is with future monitoring requested.

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. (Class 3 items included for information only)

Copies of the individual Repair/Replacement Evaluation Sheets are filed with the MWO Packages and are available for review at the site.

REPAIR AND REPLACEMENT

UNIT 2 OUTAGE 1992

PAGE:1

MWO:2-92-80 REV. 1

MPL:2P41-C001C

ASME CLASS:III

COMPONENT:SERVICE WATER PUMP

ASME SECTION XI CLASS:III

PROBLEM:COMPONENTS OF PUMP TO BE REPLACED DUE TO PUMP PERFORMANCE NOT RELATED TO R/R REQUIREMENTS.

DC NUMBER:2-92-63

EVALUATION:LIKE IN KIND REPLACEMENT WITH ORIGINAL VENDOR SUPPLIED PARTS MEETS REPAIR/REPLACEMENT CRITERIA.

CODE NDE:N/A

PRESSURE TEST:N/A

MWO:2-91-3338

MPL:2P41-C001B

ASME CLASS:III

COMPONENT:SERVICE WATER PUMP

ASME SECTION XI CLASS:III

PROBLEM:5YR. PM ON SUBJECT PUMP AND MOTOR WILL RENEW THE PUMP BOWL ASSEMBLY.

DC NUMBER:N/A

EVALUATION:REPLACEMENT OF THE BOWL ASSEMBLY AND COLUMN SHAFTING IS SUITABLE. FACTORY PARTS OF CODE MATERIALS ARE BEING UTILIZED IN ACCORDANCE WITH EXISTING PLANT PROCEDURES.

CODE NDE:N/A

PRESSURE TEST:N/A

MWO:2-92-0676

MPL:2E11-F031D

ASME CLASS:II

COMPONENT:VALVE

ASME SECTION XI CLASS:II

PROBLEM:REPLACE DISC.

DC NIMBER:2-92-0685

EVALUATION:DISC IS REPLACEMENT IN KIND,BEING REPLACED USING THE PROPER PROCEDURES FOR THIS TYPE MAINTENANCE. CAUSE OF FAILURE IS UNKNOWN AT THIS TIME.

CODE NDE:N/A

PRESSURE TEST:N/A

MWO:2-92-5301

MPL:2E11-RHR-R84

ASME CLASS:III

COMPONENT:RESTRAINT

ASME SECTION XI CLASS:III

PROBLEM:REMOVAL OF INDICATION FOUND ON LUG TO PIPE ATTACHMENT WELD FOUND DURING ISI INSPECTION. REMOVAL TO BE PERFORMED BY CHIPPING,GRINDING OR BUFFING.

DC NUMBER:2-92-3282

EVALUATION:TAKE OUT DEFECT BY CHIPPING OR GRINDING. CAUSED AT THE END OF THE WELDING PASS OF LUG TP PIPE. APPEARS TO BE CRATER CRACK.

CODE NDE:VT-3

PRESSURE TEST:N/A

COMMENT:BUFFING ONLY REQUIRED TO REMOVE INDICATION.

MWO:2-92-5346

MPL:2B21-MSRV H-15

ASME CLASS:III

COMPONENT:SPRING CAN HANGER

ASME SECTION XI CLASS:III

PROBLEM:SPRING CAN HANGER IS OUT OF TOLERANCE,ADJUST TO PROPER SETTING.

DC NUMBER:2-92-3312

EVALUATION:SPRING CAN HANGERS ARE ADJUSTED PERIODICALLY. DUE TO PIPE MOVEMENT THEY SOMETIMES GET OUT OF TOLERANCE SETTINGS. THIS IS AN ACCEPTED METHOD OF BRINGING THE CAN BACK INTO TOLERANCE. FINDINGS OF THIS TYPE ARE TO BE EXPECTED FROM TIME TO TIME. NO RESETTING WAS REQUIRED (ENG. EVAL)

CODE NDE:VT-4

PRESSURE TEST:N/A

MWO:2-92-4406

MPL:2T46

ASME CLASS:III

COMPONENT:PIPING

ASME SECTION XI CLASS:III

PROBLEM:INSTALL A 20" BY 20" BY 18" TEE IN THE SBT TRAIN DISCHARGE TO THE STACK PIPING BETWEEN 2T46-F002A AND THE MAIN STACK.

DC NUMBER:N/A

EVALUATION:THIS TEE IS BEING INSTALLED BY DCR 2H89-282 AND ITS SUSITABLITY WILL BE EVALUATED BY THAT DCR.

CODE NDE:MT

PRESSURE TEST:OPERATING PRESSURE

MWO:2-92-3613

MPL:2P41-F321

ASME CLASS:III

COMPONENT:CHECK VALVE

ASME SECTION XI CLASS:III

PROBLEM:DISC STUD ON DISC IS WORN.

DC NUMBER:2-92-3340

EVALUATION:REPLACEMENT OF VALVE DISC IS AN APPROPRIATE
REPLACEMENT. WEAR IS NORMAL FOR SERVICE WATER SYSTEM.

CODE NDE:N/A

PRESSURE TEST:MWO FUNCTIONAL

MWO:2-92-4538

MPL:2C41-C001A

ASME CLASS:II

COMPONENT:PUMP

ASME SECTION XI CLASS:II

PROBLEM:VALVE DISC COMPONENT OF SBLC PUMP IS WORN AND NEEDS
REPLACING.

DC NUMBER:2-92-2567

EVALUATION:REPLACEMENT OF WORN DISC IS SUITABLE CORRECTIVE
ACTION. PART WEAR APPEARS TO BE DUE TO NORMAL USAGE.

CODE NDE:N/A

PRESSURE TEST:N/A

MWO:2-92-04015

MPL:2E11-RHRSW-F209B

ASME CLASS:III

COMPONENT:AIR RELEASE VALVE

ASME SECTION XI CLASS:III

PROBLEM:REPLACE JOHNSTON AIR RELEASE VALVE WITH CRISPIN MULTIPLEX AIR
RELEASE VLAVE PER DCR 2H89-238.

DC NUMBER:2-92-2141

EVALUATION:REPLACEMENT VALVE IS AN UPGRADE OF THE SYSTEM. JOHNSTON
VALVES HAVE A HISTORY OF FAILURE. CRISPIN IS A MORE RELIABLE VALVE FOR THIS
TYPE SERVICE.

CO-E NDE:N/A

PRESSURE TEST:N/A

MWO:2-91-4794

MPL:2E11-F209A

ASME CLASS:III

COMPONENT:AIR RELEASE VALVE

ASME SECTION XI CLASS:III

PROBLEM: AIR RELEASE VALVE DOES NOT SEAT OFF CLOSED WHEN OPERATING 2A
OR 2C RHRSW PUMPS.

DC NUMBER:2-91-4721

EVALUATION:FAILURE IS DUE TO NORMAL COMPONENT WEAR. REPLACEMENT IS
WITH EXACT REPLACEMENT PARTS.

CODE NDE:N/A

PRESSURE TEST:MWO FUNCTIONAL.

HWO:2-92-1611

MPL:2E11-RSW-R702

ASME CLASS:III

COMPONENT:PIPE SUPPORT

ASME SECTION XI CLASS:III

PROBLEM:INSTALL NEW SUPPORT ON THE RHRSW MIN. FLOW LINE BETWEEN PUMP 2E11-C001A AND THE MIN FLOW CONTROL VALVE 2E11-F207A.

DC NUMBER:N/A

EVALUATION:THIS WORK IS BEING PERFORMED UNDER DCR 2H89-146 AND THE SUITABILITY OF THE REPLACEMENT WILL BE EVALUATED BY THAT DCR.

CODE NDE:VT-3

PRESSURE TEST:N/A

HWO:2-92-1611

MPL:2E11-RSW-R705

ASME CLASS:III

COMPONENT:PIPE SUPPORT

ASME SECTION XI CLASS:III

PROBLEM:INSTALL NEW SUPPORT ON THE RHRSW MIN FLOW LINE BETWEEN PUMP 2E11-C001D AND THE MIN FLOW CONTROL VALVE 2E11-F207D.

DC NUMBER:N/A

EVALUATION:THIS WORK IS BEING PERFORMED UNDER DCR 2H89-146 AND THE SUITABILITY OF THE REPLACEMENT WILL BE EVALUATED BY THAT DCR.

CODE NDE:VT-3

PAGE:8

DC NUMBER:2-91-4599,2-92-0854,2-91-4689

EVALUATION:STEAM CUT SURFACES ON SEAT WILL BE REMOVED BY DEXTERING THE SURFACE AREA. STELLITE 6 ON DISC WILL BE REMOVED. STAINLESS STEEL AND STELLITE 21 WILL BE APPLIED PER APPROVED DCR 89-400.

CODE NDE:N/A

PRESSURE TEST:LEAKAGE TEST

MWO:2-92-5493

MPL:2E11-F122B

ASME CLASS:I

COMPONENT:VALVE

ASME SECTION XI CLASS:I

PROBLEM:REPLACE SEATS,DISC AND STEM ON REFERENCED VALVE.

DC NUMBER:2-92-3498

EVALUATION:REPLACEMENT OF SEATS,DISC AND STEM ETC. IS A SUITABLE METHOD OF REPAIR TO BRING VALVE TO DESIGN REQUIREMENTS. APPROVED PROCEDURES AND PROCUREMENT PROCEDURES ARE BEING FOLLOWED. CAUSE OF FAILURE APPEARS TO BE NORMAL FOR SYSTEM SERVICE.

CODE NDE:N/A

PRESSURE TEST:TEST DURING VESSEL
PRESSURE TEST.

MWO:2-92-198

MPL:2B21-F016

ASME CLASS:I

COMPONENT:MAIN STEAM LINE DRAIN

ASME SECTION XI CLASS:I

PROBLEM:WEDGE FOR VALVE HAS CRACK ACROSS STELLITE AT 12:00. WEDGE TO BE REPLACED.

DC NUMBER:N/A

EVALUATION:WEDGE USED FOR REPLACEMENT IS A CLASS I PART PROCURED FOR CLASS I AND IS FOR THE ABOVE MENTIONED VALVE.

CODE NDE:N/A

PRESSURE TEST:TEST DURING VESSEL
PRESSURE TEST.

MWO:2-92-3940

MPL:2E11-D002A,B &D003A&B

ASME CLASS:III

COMPONENT:STRAINERS

ASME SECTION XI CLASS:III

PROBLEM:MACHINE COVER AND BODY.

DC NUMBER:2-92-1525

EVALUATION:PER DESIGN ENGINEERING,REMOVAL OF METAL BY MACHINING IS A SUITABLE REPAIR. CAUSE OF FAILURE IS EXTENDED EXPOSURE TO HARSH RIVER WATER ENVIRONMENT. 2E11 D003A AND B DELETED FROM WORK SCOPE.

CODE NDE:N/A

PRESSURE TEST:N/A

MWO:2-92-E105

MPL:2P41-F088

ASME CLASS:III

COMPONENT:VALVE

ASME SECTION XI CLASS:III

PROBLEM:THE WEDGE HAS LIGHT PITTING AND IS TO BE MACHINED TO REMOVE IT. STEM IS ERRODED IN PACKING AREA AND WILL BE MACHINED. BONNET NUTS AND BOLTS ARE CORRODED AND ARE TO BE REPLACED.

DC NUMBER:2-92-3345

EVALUATION:NONE OF THE REPAIRS ADVERSELY AFFECT THE PRESSURE BOUNDARY. THE ERRODED STEM AT THE STUFFING BOX AREA AND CORRODED BONNET BOLTS ARE DUE TO AN APPARENT PACKING LEAK. LAPPING OF WEDGE WILL RESTORE SEATING CAPABILITY. (NO REPAIR WAS PERFORMED PER ENGINEERING EVALUATION)

CODE NDE:N/A

PRESSURE TEST:N/A

MWO:2-91-2205

MPL:2B21

ASME CLASS:III

COMPONENT:SUPPORT H-8

ASME SECTION XI CLASS:III

PROBLEM:SPRING CAN FOR THIS SUPPORT IS DAMAGED. REPLACE.

DC NUMBER:2-91-2029

EVALUATION:SPRING CAN AND ROD WILL BE REPLACED LIKE IN KIND. CAUSE OF DAMAMGE WAS DUE TO SEVERE ARC STRIKE ON SPRING COIL.

CODE NDE:VT-3

PRESSURE TEST:N/A

MWO:2-92-4176 REV. 1

MPL:2P41-F006A

ASME CLASS:III

COMPONENT:VALVE

ASME SECTION XI CLASS:III

PROBLEM:VALVE DISC HAS SEPARATED FROM STEM AND IS CORRODED BEYOND USE. REPLACE DISC.

DC NUMBER:2-92-2267

EVALUATION:DISC IS A CLASS III PROCURED COMPONENT BEING REPLACED USING APPROVED PROCEDURE. THIS IS A SUITABLE METHOD OF REPLACEMENT. FAILURE IS DUE TO EXPOSURE TO A HARSH ENVIRONMENT (RIVER WATER)

CODE NDE:N/A

PRESSURE TEST:MWO FUNCTIONAL.

MWO:2-92-5156

MPL:2B11

ASME CLASS:I

COMPONENT:RPV DRYER SUPPORT LUGS

ASME SECTION XI CLASS:I

PROBLEM:BLEND RAISED METAL ON THE TOP OF DRYER SUPPORT LUGS AT 146 DEGREES AND 214 DEGREE AZIMUTH. GRIND RAISED METAL FLUSH WITH TOP SURFACE OF LUG.

DC NUMBER:2-92-3106

EVALUATION:GRINDING RAISED METAL FLUSH WITH SURROUNDING SURFACE WILL ALLOW STEAM DRYER TO SEAT PROPERLY. STRUCTURAL INTEGRITY OF DRYER/RPV NOT AFFECTED.

CODE NDE:VT-3

PRESSURE TEST:N/A

PAGE:13

MWO:2-92-3611

MPL:2C41-F033B

ASME CLASS:II

COMPONENT:VALVE

ASME SECTION XI CLASS:II

PROBLEM:REPLACE EXISTING VALVE WITH IDENTICAL NEW VALVE.

DC NUMBER:N/A

EVALUATION:THE VALVE IS BEING REPLACED BECAUSE ITS INSPECTION PLUG CAN NOT BE REMOVED. IDENTICAL REPLACEMENT IS EXPECTED TO HAVE NO OPERATIONAL IMPACT ON THE SYSTEM,BUT SHOULD ALLOW FOR FUTURE INSPECTIONS.

CODE NDE:SURFACE

PRESSURE TEST:HYDROSTATIC

MWO:2-92-5258

MPL:2B21-F010B

ASME CLASS:I

COMPONENT:VALVE

ASME SECTION XI CLASS:I

PROBLEM:REPLACE DISC IN 2B21-F010B.

DC NUMBER:2-92-3237

EVALUATION:REPLACEMENT OF DISC IS A NORMAL METHOD OF REPAIR TO RETURN VALVE TO DESIGN CRITERIA. CAUSE OF FAILURE IS TO BE EXPECTED ON LLRT TYPE VALVES DUE TO THE RIDGE REQUIREMENTS FOR LEAKAGE AND THE SERVICE THESE TYPE VALVES SEE DURING OPERATION.

CODE NLR:VT-3

PRESSURE TEST:TEST DURING VESSEL
PRESSURE TEST.

MWO:2-92-2788 REV. 1

MPL:2P41

ASME CLASS:III

COMPONENT:PIPING

ASME SECTION XI CLASS:III

PROBLEM:REPLACE PIPING AS REQUIRED TO ASSURE PIPING IS WITHIN CODE LIMITS FOR WALL THICKNESS AND REMOVE LEAKING PIPE.

DC NUMBER:2-92-1407

EVALUATION:REPLACEMENT OF PIPING IS BEING PERFORMED UNDER CONTROLLED WELDING AND PROCUREMENT PROCEDURES. THIS IS A SUITABLE METHOD OF REPLACEMENT FOR THIS PROBLEM. CAUSE OF FAILURE IS EXTENDED USE IN A HARSH RIVER WATER ENVIRONMENT.

CODE NDE:VISUAL

PRESSURE TEST:HYDROSTATIC

MWO:2-92-5373

MPL:2T23-X20,X61B,X229,X232

ASME CLASS:III NE

COMPONENT:PENETRATIONS

ASME SECTION XI CLASS: MC

PROBLEM:THE EXISTING PENETRATION CAPS DO NOT MEET THE REQUIRED ASME CODE.

DC NUMBER:N/A

EVALUATION:TO CONFIRM THE REQUIRED ASME CODE PER PLANT DESIGN. NO INSERVICE PROBLEM INVOLVED.

CODE NDE:SURFACE AND VT-2

PRESSURE TEST:SNOOP DURING ILET.

MWO:2-92-5374

MPL:2T23-X58

ASME CLASS:III NE

COMPONENT:PENETRATION

ASME SECTION XI CLASS:MC

PROBLEM:THE EXISTING CAP DOES NOT MEET THE REQUIRED ASME CODE.

DC NUMBER:N/A

EVALUATION:TO CONFIRM THE REQUIRED ASME CODE PER PLANT DESIGN. NO
SERVICE INDUCED PROBLEM INVOLVED.

CODE NDE:SURFACE AND VT-2

PRESSURE TEST:SNOOP DURING

ILRT.

MWO:2-92-4130

MPL:2T23-X222A

ASME CLASS III NE

COMPONENT:PENETRATION

ASME SECTION XI CLASS:MC

PROBLEM:INSTALL ASME QUALIFIED SEAL ON PENETRATION.

DC NUMBER:N/A

EVALUATION:SEAL IS NOT AN APPROVED SEAL. NEW SEAL WILL BE APPROVED
ASME SEAL. NO FAILURE INVOLVED EXCEPT ADMINISTRATIVE FAILURE TO INSTALL
CORRECT SEAL DURING CONSTRUCTION.

CODE NDE:SURFACE AND VT-2

PRESSURE TEST:SNOOP DURING ILRT

MWO:2-92-5378

MPL:2T23-X107A

ASME CLASS:III NE

COMPONENT:PENETRATION

ASME SECTION XI CLASS:MC

PROBLEM:THE EXISTING PENETRATION CAP DOES NOT MEET THE REQUIRED ASME CODE.

DC NUMBER:N/A

EVALUATION:TO CONFIRM THE REQUIRED ASME CODE PER PLANT DESIGN.
NO INSERVICE FAILURE INVOLVED.

CODE NDE:SURFACE AND VT-2

PRESSURE TEST:SNOOP DURING ILRT.

MWO:2-92-5375

MPL:2T23-X36

ASME CODE:III NE

COMPONENT:PENETRATION

ASME SECTION XI CODE: MC

PROBLEM:THE EXISTING PENETRATION CAP DOES NOT MEET THE REQUIRED ASME CODE.

DC NUMBER:N/A

EVALUATION:TO CONFIRM THE REQUIRED ASME CODE PER PLANT DESIGN.

CODE NDE:SURFACE AND VT-2

PRESSURE TEST:SNOOP DURING ILRT

MWO: 2-92-5377

MPL: 2T23-X68

ASME CLASS III NE

COMPONENT: PENETRATION

ASME SECTION XI CLASS: MC

PROBLEM: THE EXISTING PENETRATION CAP DOES NOT MEET ASME CODE REQUIREMENTS.

DC NUMBER: N/A

EVALUATION: TO CONFIRM THE REQUIRED ASME CODE PER PLANT DESIGN. NO INSERVICE FAILURE INVOLVED.

CODE NDE: SURFACE AND VT-2

PRESSURE TEST: SNOOP DURING ILRT

MWO: 2-92-5379

MPL: 2T23-X206E, X65, X206G, X217D

227A

ASME CLASS: III NE

COMPONENT: PENETRATION:

ASME SECTION XI CLASS: MC

PROBLEM: THE EXISTING PENETRATION CAPS DO NOT MEET ASME CODE REQUIREMENTS.

DC NUMBER: N/A

EVALUATION: TO CONFIRM THE REQUIRED ASME CODE PER PLANT DESIGN. NO INSERVICE FAILURE INVOLVED.

CODE NDE SURFACE AND VT-2

PRESSURE TEST: SNOOP DURING ILRT

MWO:2-92-2172

MPL:2P41-F002A

ASME CLASS:III

COMPONENT:VALVE

ASME SECTION XI CLASS: III

PROBLEM:VALVE LEAKS BY SEAT.

DC NUMBER:2-91-1925

EVALUATION:REPLACE BONNET ASSEMBLY WITH BONNET FROM NEW COMPLETE VALVE. DAMAGE INCURRED FROM NORMAL OPERATION OF HARSH RIVER WATER ENVIRONMENT.

CODE NDE:N/A

PRESSURE TEST:MWO FUNCTIONAL

MWO:2-91-2172

MPL:2P41-F042A

ASME CLASS:III

COMPONENT:VALVE

ASME SECTION XI CLASS:III

PROBLEM:VALVE LEAKS BY SEAT. THE LIP IN THE VALVE BODY THAT SUPPORTS THE SEAT HAS BEEN ERODED IN SOME PARTS BY THE SILT CONTAINED IN THE PLANT SERVICE WATER.

DC NUMBER:2-91-1985

EVALUATION:VALVE LIP, IN THE VALVE BODY, THAT SUPPORTS THE SEAT HAS BEEN ERODED AT THE VALVE INLET BY THE SILT IN THE PSW. WELDING OF THE ERODED PART WITH A HARDER CHROME-MOLY ALLOY AND THEN MACHINING IS A SUITABLE REPAIR.

CODE NDE:N/A

PRESSURE TEST:N/A

MWO:2-91-2340

MPL:2P41-F003A

ASME CLASS:III

COMPONENT:VALVE

ASME SECTION XI CLASS:III

PROBLEM:VALVE IS LEAKING BY SEAT WHEN CLOSED.

DC NIMBER:2-91-2195

EVALUATION:MACHINE THE BONNET AND SKIM CUT THE BACKSEAT TO REDUCE
SEALING (GASKET)SURFACE.

CODE NDE:N/A

PRESSURE TEST:MWO FUNCTIONAL

MWO:2-90-2385

MPL:2T49-F009B

ASME CLASS:II

COMPONENT:VALVE

ASME SECTION XI CLASS:II

PROBLEM:REPLACE BODY. HOLE IN BODY.

DC NUMBER:2-86-627

EVALUATION:DEFECT NOT SERVICE INDUCED/CASTING FLAW.

CODE NDE:SURFACE

PRESSURE TEST:MWO FUNCTIONAL.

MWO:2-92-3617

MPL:2P41-F098

ASME CLASS:III

COMPONENT:VALVE

ASME SECTION XI CLASS:III

PROBLEM:REPLACE INTERNALS OF VALVE AS SHOWN ON MWO.

DC NUMBER:N/A

EVALUATION:REPLACEMENT OF VALVE INTERNALS IS A NORMAL MAINTENANCE ACTIVITY TO BE PERFORMD BY MAINTENANCE UNDER APPROVED PROCEDURES. CAUSE OF FAILURE IS EXTENDED EXPOSURE TO HARSH RIVER WATER ENVIRONMENT.

CODE NDE:N/A

PRESSURE TEST:VISUAL LEAK CHECK
AT SYSTEM PRESSURE. NORMAL FUNCTIONAL TEST.

MWO:2-92-5311

MPL:2E11-RHR-R352A

ASME CLASS:II

COMPONENT:SNUBBER

ASME SECTION XI CLASS:II

PROBLEM:REPLACE LOCKED UP PSA SNUBBER WITH ANOTHER UNIT.

DC NUMBER:2-92-3305

EVALUATION:REPLACEMENT SNUBBER IS IDENTICAL TO UNIT BEING REPLACED. CAUSE OF FAILURE WAS BAKED GREASE.

CODE NDE:VT-3

PRESSURE TEST:N/A

MWO:2-92-5181

MPL:2L35/2E11-RHR-R285A,R50A

ASME CLASS:II

AND 2N11-MS-3

ASME SECTION XI CLASS:II

COMPONENT:SNUBBER

PROBLEM:SNUBBER 2E11 RHR R285A FAILED FUNCTIONAL TEST. REPLACE WITH
NEW OR REBUILT SNUBBER.

DC NUMBER:2-92-3592 AND 2-92-3691

EVALUATION:REPLACEMENT OF SNUBBERS IS THE NORMAL METHOD OF REPAIR FOR
THIS TYPE FAILURE. FAILURE OF SNUBBERS IS EXPECTED FROM TIME TO TIME AS A
RESULT OF SYSTEM MOVEMENT DURING OPERATION.

CODE NDE:VT-3 AND 4

PRESSURE TEST:N/A

MWO:2-92-5343 REV. 1

MPL:7B21/2L35

ASME CLASS:I

COMPONENT:SPRING CANS

ASME SECTION XI CLASS:I

PROBLEM:STRAIGHTEN SPRING CAN SUPPORT RODS AND RESET.

DC NUMBER:2-92-3297

EVALUATION:STRAIGHTENING OF SUPPORT RODS IS AN ACCEPTABLE METHOD OF
REPAIR FOR THESE DEVICES. CAUSE OF FAILURE APPEARS TO BE CAUSED BY SNUBBERS
LOCKED UP ON THE LINE BEING SUPPORTED BY THE SPRING CANS.

MWO:2-92-5286

MPL:2P41-F065

ASME CLASS:III

COMPONENT:CHECK VALVE

ASME SECTION XI CLASS:III

PROBLEM:CHECK VALVE WILL BE REMOVED FROM PIPE IN ORDER TO FACILITATE REPAIR WORK. PIPE LOCATION MAKES IT INACCESSABLE. VALVE WILL BE INSTALLED 6" TOWARD 2P41-F067.

DC NUMBER:2-92-3370

EVALUATION:VALVE INTERNALS CAN NOT BE INSPECTED/REPAIRED UNLESS VALVE IS REMOVED FROM PIPING. WELDING TO BE PERFORMED BY APPROVED PROCEDURE. VALVE WAS FOUND STUCK CLOSED. CAUSE OF PROBLEM AND REPAIR WILL BE PERFORMED AFTER REMOVAL.

CODE NDE:VT-2

PRESSURE TEST:SEE NEW R/R SHEET.

MWO:2-92-5286

MPL:2P41-F065

ASME CLASS:III

COMPONENT:CHECK VALVE

ASME SECTION XI CLASS:III

PROBLEM:VALVE IS TO BE REWELDED,PER PLANT PROCEDURE,IN HBC PIPE. VALVE WAS INSPECTED AND WILL BE RETURNED TO SERVICE. NO REPAIR OR REPLACEMENT MADE.

DC NUMBER:2-92-3370

EVALUATION:UT EXAM WAS PERFORMED ON VALVE BODY AND FOUND PRESSURE RETAINING BOUNDARY ACCEPTABLE. VALVE WILL BE LEFT INSERVICE ONE MORE FUEL CYCLE AND THEN REPLACED.

CODE NDE:SURFACE

PRESSURE TEST:OPERATING PRESSURE

MWO:2-92-5237

MPL:2E11-F050B

ASME CLASS:I

COMPONENT:VALVE

ASME SECTION XI CLASS:I

PROBLEM:REPLACE DISC ON CHECK VALVE. VALVE WILL NOT PASS LLRT.

DC NUMBER:N/A

EVALUATION:REPLACEMENT OF DISC WITH EXACT IN KIND IS AN ACCEPTABLE METHOD OF RENEWING VALVE TO DESIGN REQUIREMENTS. CAUSE OF FAILURE IS NORMAL WEAR FOR SYSTEM USE.

CODE NDE:VT-3

PRESSURE TEST:TEST DURING VESSEL
PRESSURE TEST.

MWO:2-92-5237

MPL:2E11-F050B

ASME CLASS:I

COMPONENT:VALVE

ASME SECTION XI CLASS:I

PROBLEM:REPLACE THE HINGE PIN COVERS DUE TO WEAR ON EXISTING COVERS.

DC NUMBER:2-92-3198

EVALUATION:REPLACEMENT OF PARTS FOR THE ABOVE VALVE IS A SUITABLE METHOD OF REPAIR. CAUSE OF FAILURE IS DUE TO THE SERVICE THE VALVE SEES IN OPERATION.

CODE NDE:VT-3

PRESSURE TEST:TEST DURING VESSEL
PRESSURE TEST.

MWO:2-92-4807

MPL:2B21-F019

ASME CLASS:I

COMPONENT:VALVE

ASME SECTION XI CLASS:I

PROBLEM:REPLACE DISC.

DC NUMBER:N/A

EVALUATION:THE NEW DISC IS IDENTICAL TO THE REPLACED OLD WEDGE. CAUSE OF FAILURE IS NOT KNOWN AT THIS TIME.

CODE NDE:N/A

PRESSURE TEST:TEST DURING VESSEL
PRESSURE TEST.

MWO:2-92-5149

MPL:2B21-F077B

ASME CLASS:I

COMPONENT:VALVE

ASME SECTION XI CLASS:I

PROBLEM:NUT IS FROZEN ON BONNET STUD. NEED TO REPLACE STUD.

DC NUMBER:2-92-3104

EVALUATION:FAILURE APPEARS TO BE DUE TO MAINTENANCE EFFORTS AND NOT DESIGN/MANUFACTURING OR SERVICE RELATED. REPLACEMENT IS A SUITABLE REPAIR.

CODE NDE:VT-1 & VT-3

PRESSURE TEST:TEST DURING VESSEL
PRESSURE TEST.

MWO:2-92-3808

MPL:2N33-F001

ASME CLASS:GE SUPPLIED

COMPONENT:RELIEF VALVE

ASME SECTION XI CLASS:II

PROBLEM:STEM SCORED AND PITTED,STEM PLUG IS STEAM CUT,BODY SEAT IS STEAM CUT.

DC NUMBER:N/A

EVALUATION:REPLACEMENT OF VALVE INTERNALS IS ACCEPTABLE REPAIR METHOD. CAUSE OF FAILURE IS NORMAL SERVICE INDUCED DAMAGE.

CODE NDE:N/A

PRESSURE TEST:N/A

MWO:2-92-3749

MPL:2N33-F004

ASME CLASS:II

COMPONENT:VALVE

ASME SECTION XI CLASS:II

PROBLEM:REPLACE DISC AND STEM. DISC STEAM CUT TO BADLY TO REPAIR.

DC NUMBER:N/A

EVALUATION:DISC AND STEM WERE REPLACED WITH APPROVED PROCURED PARTS PER PLANT PROCEDURES. CAUSE OF FAILURE IS DUE TO SERVICE SEEN BY THIS VALVE DURING OPERATION.

MWO:2-92-3615 REV. 1

MPL:2E41-F045

ASME CLASS:11

COMPONENT:VALVE

ASME SECTION XI CLASS:11

PROBLEM:REPLACE DISC DUE TO INABILITY TO CLEANUP DAMAGED SEATING AREA.

DC NUMBER:2-92-355C

EVALUATION:REPLACEMENT OF DISC IS AN ACCEPTABLE METHOD OF REPAIR. CAUSE OF FAILURE IS EXPECTED DUE TO THE TYPE OF SERVICE THIS VALVE SEES IN SERVICE. THIS TYPE FAILURE IS TO BE EXPECTED.

CODE NDE:N/A

PRESSURE TEST:MWO FUNCTIONAL

MWO:2-92-5248 REV. 2

MPL:2P41-F024A

ASME CLASS:III

COMPONENT:CHECK VALVE

ASME SECTION XI CLASS:III

PROBLEM:REPLACE VALVE. INBODY GUIDE IS SEVERELY WORN, PLUG WILL NOT OPERATE PROPERLY.

DC NUMBER:2-92-3371

EVALUATION:VALVE IS IN AN UNREPAIRABLE CONDITION. EXACT REPLACEMENT IS A SUITABLE REPAIR. ABRASIVE NATURE OF WATER HAS DEGRADED VALVE INTERNALS UNDER NORMAL OPERATION.

CODE NDE:N/A

PRESSURE TEST:HYDROSTATIC

CODE CASE SUMMARY FOR HATCH #2, FALL '92 OUTAGE

<u>CODE CASE NO.</u>	<u>TITLE</u>
Case N-98	Ultrasonic Examination - Calibration Block Tolerances, Section XI
Case N-460	Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1
Case N-461	Alternative Rules for Piping Calibration Block Thickness, Section XI, Division 1
Case N-498	Alternative Rules for 10-Year Hydrostatic Pressure Testing for Class 1 and 2 Systems, Section XI, Division 1