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June 13, 2007

Docket No.: 50-321
50-366

NL-07-1191

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Edwin I. Hatch Nuclear Plant – Units 1 and 2
Inservice Inspection Program
Owner's Activity Report for Outage 2R19 -
Additional 3rd Interval Repair and Replacement Information for Units 1 and 2

Ladies and Gentlemen:

Per the requirements of 10 CFR 50.55a and ASME Section XI Code Case N-532-1, Southern Nuclear Operating Company (SNC) has enclosed the OAR-1 Owner's Activity Report for the 4th Inservice Inspection (ISI) interval for Hatch Nuclear Plant Unit 2. This report includes the inspections performed and the applicable Repair and Replacement (R & R) activities that were completed during the 2R19 Outage (Interval 4, Period 1, Outage 1).

In addition, Table 3 of the Enclosure (pages 12 through 31) contains information from the applicable Unit 1 and Unit 2 R & R activities completed during the 3rd ISI Interval (1/1/96 thru 12/31/05) that was not previously submitted.

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

A handwritten signature in black ink that reads "Ben J. George". The signature is written in a cursive style with a long horizontal line extending from the end.

B. J. George
Manager, Nuclear Licensing

BJG/MNW/daj

Enclosure: ASME Section XI Code Case N-532-1 OAR-1 Owner's Activity Report for the 4th Interval ISI Activities (Interval 4, Period 1, Outage 1) - Additional 3rd Interval Repair and Replacement Information for Units 1 and 2

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cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. D. R. Madison, Vice President – Hatch
Mr. D. H. Jones, Vice President – Engineering
RTYPE: CHA02.004

U. S. Nuclear Regulatory Commission
Dr. W. D. Travers, Regional Administrator
Mr. R. E. Martin, NRR Project Manager – Hatch
Mr. J. A. Hickey, Senior Resident Inspector – Hatch

Enclosure

Edwin I. Hatch Nuclear Plant

ASME Section XI Code Case N-532-1 OAR-1 Owner's Activity Report for the 4th
Interval ISI Activities (Interval 4, Period 1, Outage 1) - Additional 3rd Interval Repair and
Replacement Information for Units 1 and 2

PLANT HATCH UNIT 2, 2R19 OUTAGE

FORM OAR-1 OWNER'S ACTIVITY REPORT FROM CODE CASE N-532-1

Report Number 2-4-1-1(Unit 2, 4th Interval, 1st Period, 1st Report)

Owner Southern Nuclear Operating Co. (as agent for Georgia Power Company), 40 Inverness Center Parkway, Birmingham, AL 35242
(Name and Address of Owner)

Plant Edwin I. Hatch Nuclear Plant, P. O. Box 2010, Baxley, Georgia 31515
(Name and Address of Plant)

Unit No. 2 Commercial service date 9/5/79 Refueling outage no. 2R19
(if applicable)

Current inspection interval 4th
(1st, 2nd, 3rd, 4th, other)

Current inspection period 1st
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plan ASME Section XI, 2001 Edition through the 2003 Addenda.

Date and revision of inspection plan 11/20/06, Revision 1

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

CERTIFICATE OF CONFORMANCE

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

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

Signed *Mark J. Aylmer* Date 6/8/07
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Georgia and employed by Hartford Steam Boiler Inspection & Insurance Company of Hartford, CT have inspected the items described in this Owner's Activity Report, for Refueling Outage 2R19, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the exams, tests, repairs, replacements, evaluations and corrective measures described in this report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Roy Fatta Commissions GA675
Inspector's Signature National Board, State, Province, and Endorsements

Date 06/12/2007

**OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS
PLANT HATCH UNIT 2, 2R19 OUTAGE**

Exam Category/Item Number	Total Exams Required for Interval 4	Total Exams Scheduled for Period 1	Total Exams Credited for Period 1	Total Exams Credited (%) For Period 1 (See Note 2)	Total Exams Credited (%) To Date for Interval 4 (See Note 3)	Remarks (See Note 1)
B-A/B1.11	4	0	0	0%	0%	ISI-ALT-08 submitted to NRC to allow deletion of welds per BWRVIP-05.
B-A/B1.12	12	0	0	0%	0%	
B-A/B1.21	2	0	0	0%	0%	
B-A/B1.22	19	8	8	100%	42%	
B-A/B1.30	1	0	0	0%	0%	
B-A/B1.40	1	1	1	100%	100%	
B-A Total	39	9	9	100%	23%	Each item is either deferrable, required to be examined in a specific period, or there are less than 3 items. Therefore, Table IWB-2412-1 percentages are not applicable.
B-D/B3.90	28	9	0	0%	0%	The 2N15 RPV drain nozzle is located inside the Control Rod Drive housings and is not accessible. A relief request will be developed.
B-D/B3.100	28	9	0	0%	0%	
B-D Total	56	18	0	0%	0%	
B-F/B5.20	3	1	0	0%	0%	Approved alternative ISI-ALT-03 eliminates Code exam percentage requirements for dissimilar metal welds \geq to 4" in diameter. There are three welds below 4" in diameter. However, the 2N15 RPV drain nozzle safe-end weld is located inside the Control Rod Drive housings and is not accessible. A relief request will be developed.

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS
PLANT HATCH UNIT 2, 2R19 OUTAGE

Exam Category/Item Number	Total Exams Required for Interval 4	Total Exams Scheduled for Period 1	Total Exams Credited for Period 1	Total Exams Credited (%) For Period 1 (See Note 2)	Total Exams Credited (%) To Date for Interval 4 (See Note 3)	Remarks (See Note 1)
B-G-1/B6.10	56	22	22	100%	39%	
B-G-1/B6.20	56	22	22	100%	39%	Performed per Code Case N-307-3.
B-G-1/B6.40	56	22	0	0%	0%	
B-G-1/B6.50	56	22	22	100%	39%	
B-G-1/B6.180	16	0	0	0%	0%	
B-G-1/B6.190 B-G-1/B6.200	NA	NA	NA	NA	NA	These exams are not deferrable; however, they are required only when the B-L-2 visual exam of the internal surfaces of a pump is performed.
B-G-1 Total	240	88	66	75%	28%	Each item is either deferrable or required only in conjunction with another exam. Therefore, Table IWB-2412-1 percentages are not applicable.
B-G-2/B7.50	3 groups	0	1 group	NA	NA	There are 16 sets of piping flange bolts broken down into three groups. Exams are required only when a flange is disconnected.
B-G-2/B7.70	17 groups	0	3 groups	NA	NA	There are 52 sets of valve bolting broken down into 17 groups. Exams are required only when B-M-2 visual exams are performed.
B-G-2/B7.80	NA	0	NA	NA	NA	Per 10 CFR 50.55a(b)(2)(xxi)(B) bolts, studs, and nuts in Control Rod Drive housings will be VT-3 examined if re-used.
B-G-2 Total	20 groups	0	4 groups	NA	NA	B-G-2 bolting is not scheduled for examination using the percentage requirements of Table IWB-2412-1.

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS
PLANT HATCH UNIT 2, 2R19 OUTAGE

Exam Category/Item Number	Total Exams Required for Interval 4	Total Exams Scheduled for Period 1	Total Exams Credited for Period 1	Total Exams Credited (%) For Period 1 (See Note 2)	Total Exams Credited (%) To Date for Interval 4 (See Note 3)	Remarks (See Note 1)
B-J/B9.11	71	21	17	81%	24%	Approved alternative ISI-ALT-03 eliminates Code exam percentage requirements for stainless steel welds \geq to 4" in diameter. Therefore, only carbon steel welds are shown.
B-J/B9.31	4	1	1	100%	25%	
B-J/B9.21	1	1	0	0%	0%	
B-J/B9.40	39	8	0	0%	0%	
B-J Total	115	31	18	58%	16%	Table IWB-2412-1 percentages apply only to the total, not each individual item.
B-K/B10.10	1	0	0	0%	0%	Code Case N-700 (when approved by the NRC) will be used to eliminate the stabilizer bracket examinations.
B-K/B10.20	3	1	0	0%	0%	
B-K/B10.30	1	1	1	100%	100%	
B-K Total	5	2	1	50%	20%	
B-L-2/B12.20	1 group	0	0 groups	NA	NA	Category B-L-2 applies only to the 2 RC pumps. Only one pump in a group is required to be examined and is required only when a pump is disassembled for maintenance or repair.
B-M-2/B12.50	17 groups	0	3 groups	NA	NA	Category B-M-2 applies to 17 groups of valves. Exam of the valve internal surface is limited to one valve in a group and is required only when a valve is disassembled for maintenance or repair.

**OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS
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B-N-1/B13.10	3	1	0	0%	0%	Examination of the vessel interior is performed once per period.
B-N-2/ B13.20	13	2	1	50%	8%	
B-N-2/ B13.30	26	15	9	60%	35%	
B-N-2/B13.40	14	4	3	75%	29%	14 normally accessible core support examinations are scheduled and reported. Normally inaccessible core support items will be examined as they become accessible but not credited for satisfying percentages.
B-N-2 Total	56	22	13	59%	23%	All exams are deferrable until the end of the interval. Therefore, Table IWB-2412-1 percentages are not applicable.
B-0/B14.10	8	2	0%	0%	0%	
B-P/B15.10	NA	NA	NA	NA	NA	A system leakage test is performed each refueling outage.
C-A/C1.10	2	1	0	0%	0%	
C-A/C1.20	1	0	0	0%	0%	
C-A Total	3	1	0	0%	0%	There are two RHR Heat Exchangers. The equivalent of one RHR Heat Exchanger must be examined in the 10-year interval.

**OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS
PLANT HATCH UNIT 2, 2R19 OUTAGE**

Exam Category/Item Number	Total Exams Required for Interval 4	Total Exams Scheduled for Period 1	Total Exams Credited for Period 1	Total Exams Credited (%) For Period 1 (See Note 2)	Total Exams Credited (%) To Date for Interval 4 (See Note 3)	Remarks (See Note 1)
C-B/C2.21	2	1	0	0%	0%	
C-B/C2.22	2	0	0	0%	0%	
C-B Total	4	1	0	0%	0%	There are two nozzles on each of the two RHR Heat Exchangers. The equivalent of one RHR Heat Exchanger must be examined in the 10-year interval.
C-C/C3.10	1	1	0	0%	0%	One attachment on one RHR Heat Exchanger to be examined.
C-C/C3.20	15	5	0	0%	0%	10% of the non-exempt piping integral attachments to be examined.
C-C Total	16	6	0	0%	0%	
C-F-2/C5.51	82	31	19	61%	23%	
C-F-2/C5.81	6	2	0	0%	0%	
C-F-2 Total	88	33	19	58%	22%	
C-G	8	2	0%	0%	0%	

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS
PLANT HATCH UNIT 2, 2R19 OUTAGE

Exam Category/Item Number	Total Exams Required for Interval 4	Total Exams Scheduled for Period 1	Total Exams Credited for Period 1	Total Exams Credited (%) For Period 1 (See Note 2)	Total Exams Credited (%) To Date for Interval 4 (See Note 3)	Remarks (See Note 1)
C-H/C7.10	NA	NA	NA	NA	NA	These system leakage tests are performed each inspection period, therefore they are performed three times per inspection interval. Therefore, reporting percentage completion for these pressure tests is not applicable.
D-A/D1.20	14	5	0	0%	0%	
D-B/D2.10	NA	NA	NA	NA	NA	These system leakage tests are performed each inspection period, therefore they are performed three times per inspection interval. Therefore, reporting percentage completion for these pressure tests is not applicable.
F-A/F1.10	42	12	3	25%	7%	25% of non-exempt supports required to be examined.
F-A/F1.20	65	19	1	5%	2%	15% of non-exempt supports required to be examined.
F-A/F1.30	37	7	0	0%	0%	10% of non-exempt supports required to be examined.
F-A/F1.40	24	5	1	20%	4%	Supports other than piping
F-A Total	168	43	5	12%	3%	

**OAR-1 OWNER'S ACTIVITY REPORT
TABLE 1
ABSTRACT OF EXAMINATIONS AND TESTS
PLANT HATCH UNIT 2, 2R19 OUTAGE**

Exam Category/Item Number	Total Exams Required for Interval 4	Total Exams Scheduled for Period 1	Total Exams Credited for Period 1	Total Exams Credited (%) For Period 1 (See Note 2)	Total Exams Credited (%) To Date for Interval 4 (See Note 3)	Remarks (See Note 1)
E-A/1.11	NA	NA	NA	NA	NA	The containment general visual exam is performed each inspection period; therefore, it is performed three times per inspection interval. Therefore, reporting percentage completion for this exam is not applicable.
E-A/1.12	1	NA	NA	NA	NA	Required once each inspection interval. Percentages not applicable.
E-A/1.20	1	NA	NA	NA	NA	Required once each inspection interval. Percentages not applicable.
E-A/1.30	NA	NA	NA	NA	NA	The mastic seal exam is performed each inspection period; therefore, it is performed three times per inspection interval. Therefore, reporting percentage completion for this exam is not applicable.
50.55a(b)(2)(ix) (G)&(H)	17	0	4	NA	NA	All 17 bolted connections require a VT-3 prior to the end of the interval. Percentages are not applicable.

NOTES:

Note 1: Interval 4 requirements started during 2R19. Table IWB-2412-1 is used to determine the required percentage of exams. In cases where there are less than three items or welds to be examined in an Exam Category the item or welds may be examined in any two periods, or in any one period if there is only one item or weld.

Note 2: Total Exams Credited(%) for Period 1 = (Cumulative Number examined in Period 1) divided by (Number scheduled in Period) times 100

Note 3: Total Exams Credited(%) for Interval 4= (Cumulative Number examined in Period 1) divided by (Number scheduled in 4th Interval) times 100

**OAR-1 OWNER'S ACTIVITY REPORT
TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R19 OUTAGE**

THERE WERE NO EVALUATIONS OF THIS TYPE DURING 2R19 FOR CLASS 1, 2, 3, OR MC COMPONENTS/SYSTEMS.

0AR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R19 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
1	Replacement	24" MSIV / Y-Globe Valve	Replaced stem/disc assembly due to indentation across poppet seat and scoring of stem. Also, replaced bonnet due to steam cutting of its backseat area.	No	3/10/2007	2061602101
MC	Replacement	Torus Manway Hatch	Replaced Torus manway hatch bolting due to some bolting not matching required bolting per drawing S-21783. SA-320 Gr. L43 bolting and SA-194 Gr. 7 nuts were utilized.	Yes	3/7/2007	2060522801
MC	Replacement	Torus Manway Hatch	Replaced Torus manway hatch bolting due to some bolting not matching required bolting per drawing S-21783. SA-320 Gr. L43 bolting and SA-194 Gr. 7 nuts were utilized.	Yes	3/6/2007	2060522501
3	Replacement	SRV T-Quencher	Replaced SRV T-quencher bolts and nuts in the Unit 2 Torus due to suspected IGSCC. Material is going from SA-540 Gr. B21 C11 to SB-637. Acceptable per ED C052173701.	No	3/2/2007	2052720801
3	Replacement	3" Globe Valve / AOV	Replaced 8 studs and 16 nuts due to no positive identification marking.	No	7/28/2005	2051458805
3	Replacement	3" Globe Valve / AOV	Replaced entire valve due to seat erosion caused by normal inservice conditions.	No	7/28/2005	2051458801

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R19 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
2	Replacement	2" Globe Valve	Replaced valve due to stuffing box steam cutting.	No	3/10/2007	2051331901
3	Replacement	8" Flange (PSW)	Replaced flanges adjacent to 2P41-F096A due to erosion in flange seating area.	No	5/29/2007	2050460902
3	Replacement	2" Globe Valve	Replaced plug/stem assembly due to conditions noted during internals examination.	No	7/28/2006	2041668801
3	Replacement	2" Globe Valve	Replaced stem/plug assembly due to conditions noted during internals examination.	No	8/4/2006	2041668701
3	Replacement	2" and Smaller PSW Piping	Replaced the supply and return PSW piping, valves, and fittings for the RCIC room cooler with stainless steel piping.	No	3/13/2007	2041325801
2	Replacement	16" Rupture Disc	Replace 2 nuts which were of a different wrench size than others and 1 stud which was not adequately marked with material identification.	No	6/21/2005	2040629601

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R18 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
1	Repair	RPV Stabilizer Bracket	A linear indication which was unacceptable per SC XI (defect) was noted in the weld between the bracket and RPV. The defect was .8" long which is greater than the Code acceptable length of approximately .6". Defect removed via grinding.	Yes	3/3/2005	2050516601
3	Replacement	SRV T-Quencher	Replaced all 44 SRV tailpipe T quencher support bolts (4 bolts for each SRV tailpipe) due to discovery of 3 broken bolts during diving exam of Torus interior. The failure of the bolting concluded to be manufacturing defect or overtorquing of the bolts during installation.	No	2/28/2005	2050456901
2	Replacement	2" Globe Valve	Replaced valve due to steam cutting in the packing stuffing box area.	No	3/6/2005	2042732201
3	Replacement	PSW Piping	Replaced PSW piping due to PSW Program RT examination results.	No	3/4/2005	2041263201
3	Replacement	6" Check Valve	Replaced check valve due to degraded condition caused by normal inservice conditions which was noted during internals examination.	No	10/29/2004	2041255301
3	Replacement	PSW Strainer	Replaced bolting due to degraded condition.	No	2/23/2005	2040984201

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R18 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
1	Replacement	Snubber	Replaced mechanical snubber (PSA-35) with a Lisega hydraulic snubber (3072) and removed mechanical snubber failed its functional test. Therefore, by default, 2B21-MS-R49B is classified as an inservice failure due to failing its functional test.	No	3/1/2005	2040754201
1	Replacement	Snubber	Replaced mechanical snubber (PSA-35) with a Lisega hydraulic snubber (3072) and removed mechanical snubber failed its functional test. Therefore, by default, 2B21-MS-R49A is classified as an inservice failure due to failing its functional test.	No	3/1/2005	2040754101
3	Replacement	2" and 4" PSW Piping	Replaced the supply and return PSW piping to 2T41-B002A and 2T41-B002B.	No	3/2/2005	2040235501
3	Replacement	1.5" and 2" PSW Piping	Replaced the carbon steel supply and return piping to the B and D RHR Pump Seal Coolers with stainless steel piping as allowed by pipe specifications.	No	3/2/2005	2040198201
3	Replacement	4" PSW Piping	Replaced the PSW piping upstream of valve 1P41-F1083 to 168' elevation just above pipe support 2P41-SW-R338 due to thru wall leakage.	No	10/28/2004	2020339301
3	Replacement	4" PSW Piping	Replaced the 4" common supply and return piping to RHR coom coolers 2T41-B003A and 2T41-B003B due to PSW Program RT exams.	No	3/20/2003	2020235201

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R18 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	2" and 3" PSW Piping	Replaced PSW supply and return piping to RHR room coolers 2T41-B003A/B due to conditions noted during PSW RT exams.	No	3/24/2004	2020233601
3	Replacement	RHR SW Pump	Replaced degraded base plate anchor bolts.	No	1/27/2004	2020090201
3	Replacement	RHR SW Pump	Replaced degraded base plate anchor bolts.	No	1/20/2004	2010143901
3	Replacement	RHR SW Pump	Replaced degraded base plate anchor bolts.	No	5/6/2004	2010143801

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R17 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	PSW Flanges	Replaced the bolting in the 12", 18", and 30" 150 lb. flanges located in the Intake Structure Valve Pit.	No	3/31/2003	2-98-02374
3	Replacement	6" PSW Strainer	Replaced bolting due to lack of material identification.	No	11/27/2004	2042941101
3	Replacement	2" PSW Pipe Support	Replaced support between 2P41-F003A and 2P41-F035A due to corrosion.	No	11/20/2002	2-02-03756
3	Replacement	10" Check Valve	Replaced flange studs and nuts due to corrosion.	No	3/14/2003	2-02-02713
3	Replacement	4" PSW Piping	Replaced 7' of piping and one 90° elbow due to thru wall leakage.	No	7/3/2002	2-02-02332
3	Replacement	6" Valve and Strainer	Replaced bolting for flanged connections of strainer and associated valves due to inadequate material identification.	No	3/18/2002	2-02-00457/1

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R17 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
2	Repair	4" Blind Flange	Damaged portion of male tongue and groove flange repaired by weld build up and machining due to steam cutting.	No	1/10/2002	2-02-00079/1
1	Replacement	24" MSIV / Y-Globe Valve	Replaced stem/disc assembly due to inservice failure of stem/disc separation.	No	1/9/2002	2-01-03746
3	Replacement	2" PSW Piping	Replaced supply and return piping to HPCI room coolers due to degraded performance of room coolers.	No	12/18/2002	2-01-00745
3	Replacement	4" Air Release Valve	Replaced flange bolting for air release valve due to inadequate material identification.	No	10/18/2001	2-00-03257/1
3	Replacement	3" Valve	Replaced valve due to degradation of body and internals caused by normal inservice conditions.	No	5/31/2002	2-00-02788/1
3	Replacement	2" PSW Piping	Replaced a section of supply and return piping to HPCI room coolers due to degraded performance of room coolers.	No	10/18/2001	2-00-01584

**OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R16 OUTAGE**

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	3" Check Valve	Replaced check valve due to internals examination noting degradation of valve body and internals.	No	2/18/2000	2-99-03182
2	Replacement	Rigid Pipe Support	Replaced 2 of the 4 anchor bolts on rigid support 2E21-CS-R85 due to bolts being pulled out 1/2" from support base plate.	No	9/18/2001	2-97-01970/1
3	Replacement	4" PSW Piping	Replaced Division I PSW supply piping to MCR AC in the Torus area and associated bolting in hangers 2P41-SW-H145A/B.	No	10/17/2001	2-01-03039
3	Replacement	30" Piping and Support	Replaced support due to degradation of the base plates, anchor bolts, and W6 steel beams caused by normal environment conditions.	No	10/25/2001	2-01-02151
2	Replacement	Snubber	Replaced mechanical snubber with hydraulic snubber. Following removal, removed snubber failed functional test.	No	9/28/2001	2-01-00409
2	Replacement	Snubber	Replaced mechanical snubber with hydraulic snubber. Following removal, removed snubber failed functional test.	No	9/28/2001	2-01-00408

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R15 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	6" PSW Piping	Replaced PSW piping downstream of 2P41-F1181 to just upstream of anchor 2P41-SW-A122 due to thru wall leakage.	No	2/18/2000	2-99-02557
3	Replacement	6" PSW Piping	Replaced PSW piping downstream of 2P41-F1181 due to thru wall leakage.	No	5/5/1999	2-99-01910
3	Replacement	30" PSW Strainer	Replaced bolting due to degradation caused by normal inservice conditions.	No	3/17/2000	2-99-01435
MC	Replacement	Torus Manway Hatch	Replaced 10 nuts which were identified as unsat.	Yes	4/2/2000	2-99-01195/1
3	Replacement	8" PSW Valve	Replaced carbon steel gate valve 2P41-F049 due to degradation caused by normal inservice conditions.	No	3/13/2000	2-98-02206
3	Replacement	8" PSW Valve	Replaced carbon steel gate valve 2P41-F090 due to degradation caused by normal inservice conditions.	No	4/1/2000	2-98-02200/1
3	Replacement	3" PSW Piping	Replaced 3" PSW piping due to conditions noted by PSW Program RT exams.	No	11/16/1999	2-98-00629

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R14 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	3" Valve	Replaced flange studs due to degradation caused by normal inservice conditions.	No	7/2/1998	2-98-01471

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 2, 2R13 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
2	Corrective Measure	Snubber Strut	Straightened bent snubber strut.	No	4/5/1997	2-95-03737
3	Replacement	3" PSW Piping	Replaced PSW min flow piping for all 4 PSW pumps due to PSW Program RT exams.	No	9/26/1996	2-95-02099R1
3	Replacement	3" and 2" PSW Piping	Replaced PSW supply piping for RHR/CS room cooler due to PSW Program RT exams.	No	4/9/1997	2-96-02613R2
3	Replacement	4" PSW Piping	Replaced PSW piping supplying Main Control Room coolers and LPCI Inverter room cooler due to PSW Program RT exams.	No	3/23/1997	2-96-02565

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R21 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	12", 18", and 30" PSW Piping Flange Bolting	Replaced bolting in 12", 18", and 30" PSW piping flanges.	No	9/23/2002	1-98-02867
3	Replacement	8" PSW Piping	Isolated section of PSW piping due to wall thinning indicated by UT. Piping had been alternate supply to 1B EDG from Division I PSW.	No	3/1/2004	1039002603
3	Replacement	4" PSW Piping	Replaced approximately 7 feet of PSW piping due to thru wall leakage in vicinity of 1P41-F1083.	No	11/5/2003	1030839701
3	Replacement	2" PSW Piping	Replaced PSW return piping for CRD room coolers per PSW Program RT exams.	No	3/3/2004	1-03-02117
3	Replacement	PSW Supplied Chiller Condenser	Retubed and replaced tube sheet for 1Z41-B008A chiller condenser	No	5/31/2003	1-03-01940/1
3	Replacement	3" Gate Valve	Replaced valve internals and bonnet due to valve failing in closed position.	No	1/28/2003	1-03-00132
3	Replacement	RHRSW Pump Base	Replaced 2 nuts on pump base anchor bolts which were significantly degraded.	No	11/18/2003	1020252101
3	Replacement	RHRSW Pump Base	Replaced 2 nuts on pump base anchor bolts which were significantly degraded.	No	12/22/2003	1020200701

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R21 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
1	Repair	24" Gate Valve	Machined pressure seal area due to pressure seal leakage in preparation for replacement of metal pressure seal with a graphite pressure seal.	No	3/4/2004	1-02-01673
3	Replacement	10" Butterfly Valve	Replaced bolting which had degraded due to environmental conditions	No	2/23/2004	1-02-01112
3	Replacement	1.5" PSW Piping	Replaced supply and return PSW piping for RCIC room cooler due to PSW Program RT exams. Also replaced piping flange bolting as necessary due to degradation.	No	4/14/2002	1-01-03402
3	Replacement	6" PSW Piping	Replaced the Division II common PSW supply piping in the Reactor Building due to PSW Program RT exams. Also replaced piping flange bolting as necessary due to degradation.	No	4/9/2002	1-01-03387
3	Replacement	RHRWSW Pump Base	Replaced 1 nut on pump base anchor bolts which were significantly degraded.	No	11/19/2003	1010096501

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R20 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	2" Gate Valve	Replaced valve due to internal degradation.	No	9/20/2001	1-97-02781
3	Replacement	2" PSW Piping	Replaced the supply and return piping to RHR pump seal coolers due to PSW Program RT exams.	No	3/3/2004	1030212001
3	Replacement	14" RHRSW Pump Column Seismic Restraint	Replaced seismic restraint bolting due to degradation from environmental conditions.	No	5/17/2002	1-02-02008
2	Repair	4" Gate Valve	Performed weld build up of valve wedge guides to facilitate proper fit of new wedge.	No	4/16/2002	1-02-00190/1
3	Replacement	2" PSW Piping	Replaced the supply and return piping to Sampling System panel due to PSW Program RT exams.	No	4/9/2002	1-01-04602/1
3	Replacement	3" Air Release Valve	Replaced bolting with required material per piping specifications.	No	3/14/2002	1-01-02332

**OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R20 OUTAGE**

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
2	Repair	4" Gate Valve	Machined valve bonnet and body flange seating surfaces to remove pitting.	No	4/16/2002	1-01-00645/1
3	Replacement	6" PSW Piping	Replaced a section of PSW supply piping to 1B EDG due to PSW Program RT exams.	No	3/20/2002	1-01-00204
3	Replacement	4" PSW Piping	Replaced a section of Division II PSW supply piping to Main Control Room air conditioners to provide assurance of continued satisfactory performance.	No	4/3/2001	1-00-01453
3	Replacement	2" PSW Piping	Replaced a section of PSW supply piping to Control Room air conditioner as allowed per piping specifications.	No	3/26/2001	1-00-01452
2	Replacement	2" Check Valve	Replaced check valve due to internal conditions noted during examination.	No	10/28/2000	1-00-01409
3	Repair	RHRWS Pump	Repaired pump discharge head female column flange by weld build-up and subsequent machining.	No	12/15/2003	1030979604

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R19 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	2' Globe Valve	Replaced valve due to degraded conditions of internals.	No	10/29/2000	1-99-04800
3	Replacement	30" Butterfly Valve	Replaced valve due to degraded conditions of internals.	No	10/8/2000	1-99-04668
2	Replacement	2" Check Valve	Replaced valve due to degraded conditions of noted during internals examination.	No	10/29/2000	1-99-03984
2	Replacement	1.5" Check Valve	Replaced valve due to degraded conditions of noted during internals examination.	No	10/29/2000	1-99-03171
2	Replacement	1.5" Check Valve	Replaced valve due to degraded conditions of noted during internals examination.	No	10/28/2000	1-99-02997
3	Replacement	PSW Pump Column Seismic Restraint	Replaced broken bolting on PSW pump seismic restraint.	No	5/30/1999	1-99-02391/1
2	Repair	12" Check Valve	Machined body to bonnet gasket seating surfaces due to corrosion and pitting.	No	11/1/2000	1-99-02047/4
3	Replacement	6" PSW Piping	Replaced supply and return PSW piping to 1B EDG per PSW Program RT exams.	No	5/20/1999	1-98-00201

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R19 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
MC	Replacement	Drywell Head Manway Access Hatch	Replaced Drywell head manway access hatch bolting due to material type not in accordance with drawing S-15668.	Yes	10/20/2000	1-00-03390
3	Replacement	3" Globe Valve	Replaced valve body due to erosion in seat ring gasket seating area.	No	10/19/2000	1-00-03218
3	Replacement	3" Globe Valve	Replaced valve body due to erosion in seat ring gasket seating area and flange bolting due to noted degradation.	No	10/20/2000	1-00-03089/1
3	Replacement	3" Globe Valve	Replaced valve body due to erosion in seat ring gasket seating area and flange bolting due to noted degradation.	No	10/17/2000	1-00-03087
3	Replacement	3" Gate Valve	Replaced valve top works due to internal degradation.	No	8/22/2000	1-00-02479
3	Replacement	2" PSW Piping	Replaced a section of PSW supply piping to Sampling System panel.	No	10/19/2000	1-00-01454
3	Replacement	4" PSW Piping	Replaced the supply and return PSW piping to RHR/CS pump room coolers.	No	10/20/2000	1-00-01448
3	Replacement	3" PSW Piping	Replaced a section of PSW supply piping to "B" Recirc MG-Set cooler to allow UT flowmeter to set-up.	No	10/19/2000	1-00-01447

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R19 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Replacement	3" PSW Piping	Replaced a section of PSW supply piping to "A" Recirc MG-Set cooler to allow UT flowmeter to set-up.	No	10/19/2000	1-00-01446
3	Replacement	2" PSW Piping	Replaced 2" piping as allowed per piping specifications.	No	10/19/2000	1-00-01445
3	Replacement	2" Globe Valve and PSW Piping	Replaced 2" valve as well as upstream piping as allowed per piping specifications.	No	10/19/2000	1-00-01444
2	Replacement	20" Snubber Strut	Replaced bowed strut on snubber.	No	10/10/2000	1-00-00880
MC	Replacement	Torus Manway Hatch	Replaced Torus manway hatch bolting due to discrepancy between existing bolting and that specified on design drawing. 4 bolts also had corrosion on shank area.	Yes	10/30/2000	1-00-00268/1
3	Replacement	4" PSW Piping	Replaced 4" PSW supply and return piping to RHR/CS room coolers per PSW Program RT exams.	No	10/19/2000	1-00-00108

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R18 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
2	Repair	1.5" Piping	Repaired weld defect noted during VT-2 of newly installed 1.5" globe valve.	Yes	4/10/1999	1-99-01513
3	Replacement	2.5" Gate Valve	Replaced valve due to internal corrosion.	No	4/19/1999	1-99-00320
3	Replacement	1.5" PSW Piping	Replaced small section of piping and associated vent valve due to internal corrosion.	No	4/12/1999	1-98-03588
2	Replacement	1.5" Check Valve	Replaced check valve due to sticking in open or closed position during operation.	No	3/29/1999	1-97-03179
3	Replacement	4" PSW Valve	Replaced valve due to corrosion in body sealing surface.	No	4/23/1999	1-97-02720
3	Replacement	1.5" Gate Valve	Replaced valve due to low flow thru valve.	No	11/12/1997	1-97-02457
3	Replacement	1.5" PSW Piping	Replaced PSW supply and return piping to HPCI room coolers per PSW Program internal piping exams.	No	11/14/1997	1-97-01112R2
3	Replacement	4" PSW Piping	Replaced PSW piping per PSW Program internal piping exams.	No	11/14/1997	1-97-00592
3	Replacement	PSW Piping Hanger	Replaced 3 members on PSW piping hanger due to degradation.	No	5/12/1998	1-95-00482

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R17 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
2	Replacement	Piping Hanger	Replaced missing nut from piping hanger.	No	11/22/1996	1-96-04417
3	Replacement	3" Globe Valve	Replaced valve due to internal degradation.	No	11/2/1997	1-96-04004R1
2	Repair	RHR Heat Exchanger	Repaired tube sheet to shell weld which had deteriorated due to galvanic corrosion.	No	11/2/1997	1-96-02845R2
3	Repair	4" Gate Valve	Repaired weld which had been made with CS to CS weld procedure when CS to SS weld procedure should have been used.	No	5/14/1996	1-96-01639
3	Repair	4" Gate Valve	Repaired weld which had been made with CS to CS weld procedure when CS to SS weld procedure should have been used.	No	4/26/1996	1-96-01624
3	Repair	4" Gate Valve	Repaired weld which had been made with CS to CS weld procedure when CS to SS weld procedure should have been used.	No	4/26/1996	1-96-01621

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R17 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
3	Repair	4" Gate Valve	Repaired weld which had been made with CS to CS weld procedure when CS to SS weld procedure should have been used.	No	5/12/1996	1-96-01619
3	Replacement	4" PSW Piping	Replaced 4" PSW piping due to intermittent thru wall leak.	No	4/25/1996	1-96-01448
2	Replacement	1.5" Gate Valve	Replaced valve due to difficulty operating.	No	11/2/97	1-96-01359R1
3	Replacement	Piping Hangers	Replaced piping hanger rods due to corrosion.	No	5/21/1996	1-96-00445
3	Replacement	4", 3", and 2.5" PSW Piping	Replaced PSW supply and return piping for Main Control Room cooler due to PSW Program RT exams.	No	5/12/1996	1-96-00442
3	Replacement	2.5" Gate Valve	Replaced valve due to internal degradation.	No	5/22/1996	1-95-01821

OAR-1 OWNER'S ACTIVITY REPORT
TABLE 3
ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
PLANT HATCH UNIT 1, 1R16 OUTAGE

Code Class	Repair, Replacement, or Corrective Measures	Item Description	Description Of Work	Flaw or Relevant Condition Found during Section XI Examination or Test (Yes/No)	Date Complete	Repair / Replacement Plan Number
2	Repair	1" Globe Valve	Repaired small crack in weld due to leakage noted during LLRT.	No	4/10/1996	1-96-01145R2
3	Replacement	8" Gate Valve	Replaced valve due to internal degradation.	No	3/9/1996	1-96-00831
3	Replacement	4" Gate Valve	Replaced valve body due to internal degradation.	No	4/9/1996	1-95-00890R2
1	Replacement	2" Globe Valve	Replaced 2" globe valves due to seat leakage.	No	4/6/1996	1-94-05385R1