



Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, AR 72801  
Tel 501 858-5000

1CAN040601

April 27, 2006

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Inservice Inspection (ISI) Summary Report  
Arkansas Nuclear One – Unit 1  
Docket No. 50-313  
License No. DPR-51

Dear Sir or Madam:

Pursuant to the requirements of 10CFR50.55a, the attached Inservice Inspection (ISI) Summary Reports for ASME Class 1, 2 and 3 pressure retaining components and their supports for Arkansas Nuclear One, Unit 1 (ANO-1) are provided for your information. The results presented by this letter are representative of the second inspection period of the third ten-year inspection interval. This submittal is associated with inspections completed during refueling outages 1R16 and 1R17 and is provided in accordance with ASME Section XI and Code Case N-532. This Code Case was approved by the NRC based on a submittal frequency of once per inspection period. Inspection results associated with refueling outage 1R18, which completed the inspection period, were previously submitted on August 11, 2004 (1CAN080403) using the requirement of Code Case N-532-1 with a report submittal requirement of 90 days within the completion of each refueling outage.

Each attachment of this report provides ASME form OAR-1 "Owner's Activity Report" plus tables that present: (1) an abstract of examinations and tests, (2) conditions requiring evaluation and (3) actions necessary for continued service.

There are no new commitments contained in this submittal. Should you have any questions or comments, please contact Mr. Fred Van Buskirk at (479) 858-3155.

Sincerely,

A handwritten signature in black ink, appearing to read "Dale E. James".

Dale E. James  
Manager, Licensing  
DEJ/fpv

Attachment(s)

A047

cc: Dr. Bruce S. Mallett  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

NRC Senior Resident Inspector  
Arkansas Nuclear One  
P.O. Box 310  
London, AR 72847

U. S. Nuclear Regulatory Commission  
Attn: Mr. Drew Holland  
Mail Stop 0-7 D1  
Washington, DC 20555-0001

**Attachment 1**

**1CAN040601**

**Owner's Activity Report OAR-1321**

# FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number OAR-1321

Owner Entergy Arkansas, Inc./ P.O. Box 551, Little Rock, AR. 72203  
(Name and Address of Owner)

Plant Arkansas Nuclear One / 1448 S.R. 333, Russellville, AR. 72802  
(Name and Address of Plant)

Unit No. 1 Commercial service date December 19, 1974 Refueling outage no. 1R16  
(If applicable)

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

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

Edition and Addenda of Section XI applicable to the inspection plan 1992 Edition, Portions of 1993 Addenda for Pressure Testing

Date and revision of inspection plan March, 2000 Revision 0; June 2001 Revision 6

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 this Owner's Activity Report are correct, and that the examinations, test, 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 Bill Swanson Manager, Programs & Components Date 9/24/04  
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 Arkansas and employed by ABS Group Inc. of Houston, Texas have inspected the items described in this Owner's Activity Report, during the period March 17, 2000 to June 01, 2001, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

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

Carl W. Thompson Commissions NB-9985, ARK-1054 "A" "B" "N" "I" "NS"  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 9-27-04

This form (E00127) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

**TABLE 1**  
**ABSTRACT OF EXAMINATIONS AND TEST**

| Examination Category | Total Examinations Required for The Interval | Total Examinations Credited for This Period | Total Examinations Credited (%) For The Period | Examinations Credited (%) To Date for The Interval | Remarks                       |
|----------------------|--|---|--|--|-------------------------------|
| B-A                  | 13   | 0   | 0.00   | 0.00   |                               |
| B-B                  | 6  | 0   | 0.00   | 33.33  |                               |
| B-D                  | 38   | 0   | 0.00   | 21.05  |                               |
| B-F                  | 7  | 2   | 100.00   | 57.14  |                               |
| B-G-1 (1)            | 32   | 0   | 0.00   | 12.50  |                               |
| B-G-2                | 25   | 0   | 0.00   | 28.00  |                               |
| B-J                  | 40   | 3   | 30.00  | 35.00  | RISK Informed ISI is applied. |
| B-P                  | 7  | 1   | 33.33  | 42.86  |                               |
| C-A                  | 8  | 0   | 0.00   | 25.00  |                               |
| C-B                  | 7  | 0   | 0.00   | 28.57  |                               |
| C-C                  | 14   | 2   | 40.00  | 42.85  |                               |
| C-F-1                | 91   | 5   | 13.15  | 25.27  |                               |
| C-F-2                | 28   | 2   | 18.18  | 25.00  |                               |
| C-H                  | 165  | 11  | 20.00  | 40.00  |                               |
| D-A                  | 11   | 1   | 33.33  | 36.36  |                               |
| D-B                  | 51   | 0   | 0.00   | 33.33  |                               |
| F-A                  | 120  | 21  | 61.76  | 50.83  |                               |
| E-A                  | 3  | 0   | 0.00   | 33.33  |                               |
| E-D                  | 3  | 0.5   | 50.00  | 50.00  |                               |

(1) Examinations are within the percentages when calculated per bolt.

TABLE 2

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

| Examination Category | Item Number | Item Description   | Flaw Characterization (IWA-3300)                             | Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No) |
|----------------------|-------------|--------------------|--|--|
| F-A                  | F1.10A      | Support MU-167     | Excessive wear on support                                    | Yes  |
| F-A                  | F1.20D      | Support MS-148     | Missing travel stop  | Yes  |
| F-A                  | F1.30A      | Support HBD-46-H35 | Slight clevis deformation and not welded per support drawing | Yes  |
| F-A                  | F1.30B      | Support HBD-21-H28 | Anchor deformation   | Yes  |
| F-A                  | F1.20A      | Support DH-110     | Improper clearances  | Yes  |
| F-A                  | F1.20A      | Support DH-118     | Improper clearances  | Yes  |
| F-A                  | F1.20B      | Support DH-108     | Improper clearances  | Yes  |
| E-D                  | E5.30       | Moisture barrier   | Indentations in barrier                                      | Yes  |
| E-A                  | E1.11       | Liner plate        | Coating blistering (CR-ANO-1-2001-0255)                      | Yes  |
|                      |             |                    |  |  |
|                      |             |                    |  |  |
|                      |             |                    |  |  |

UNIT 1 INTERVAL 3 PERIOD 2  
(For Cycle 16)

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

| CODE CLASS | REPAIR, REPLACEMENT OR CORRECTIVE MEASURE | ITEM DESCRIPTION    | DESCRIPTION OF WORK                                       | FLAW OR RELEVANT CONDITION FOUND DURING SCHEDULED SECTION XI EXAMINATION OR TEST (YES/NO) | DATE COMPLETED | REPAIR/REPLACEMENT PLAN NUMBER AND MAI NUMBER |
|------------|---|---------------------|---|---|----------------|---|
| T3         | Replacement                               | Valve               | Replaced valve MS-271<br>Invoke CC n-416-1                | No  | 04/13/01       | Plan # 99-2060, MAI 7124                      |
| T3         | Replacement                               | Valve               | Replaced valve MS-272<br>Invoke CC N-416-1                | No  | 04/13/01       | Plan # 99-2069, MAI 7126                      |
| 1          | Repair                                    | Temperature Element | Weld repair on TE-1040 seal weld                          | No  | 04/03/01       | Plan # 00-2001, MAI-20343                     |
| 2          | Repair                                    | Pump                | Weld Repair on P-35B drain pipe socket weld               | Yes   | 06/27/00       | Plan # 00-2029, MAI 25634                     |
| 1          | Replacement                               | Valve               | Replace B/B fasteners on DH-14B                           | No  | 04/12/01       | Plan # 01-2008, MAI 25630                     |
| 1          | Replacement                               | Valve               | Replace B/B seal weld on DH-14B                           | No  | 04/03/01       | Plan # 01-2009, MAI 25668                     |
| 1          | Replacement                               | Valve               | Replace B/B fasteners on DH-14A                           | No  | 04/12/01       | Plan # 01-2014, MAI 16472                     |
| 1          | Replacement                               | Valve               | Replace B/B seal weld on DH-14A                           | No  | 04/03/01       | Plan # 01-2015, MAI 26082                     |
| 2          | Replacement                               | Valve               | Replaced valve PSV-2684                                   | No  | 04/13/01       | Plan # 01-2040, MAI 30240                     |
| 2          | Replacement                               | Valve               | Replaced valve PSV-2689                                   | No  | 04/13/01       | Plan # 01-2041, MAI 30240                     |
| 2          | Replacement                               | Valve               | Replaced valve PSV-2692                                   | No  | 04/13/01       | Plan # 01-2042, MAI 30214                     |
| 2          | Replacement                               | Valve               | Replaced valve PSV-2695                                   | No  | 04/13/01       | Plan # 01-2043, MAI 30214                     |
| 2          | Replacement                               | Valve               | Replaced valve PSV-2697                                   | No  | 04/13/01       | Plan # 01-2044, MAI 30214                     |
| 1          | Replacement                               | Valve               | Replaced valve PSV-1001                                   | No  | 04/17/01       | Plan # 01-2045, MAI 30201                     |
| 1          | Replacement                               | Valve               | Replaced disc on PSV-1002                                 | No  | 04/17/01       | Plan # 01-2046, MAI 30200                     |
| 1          | Replacement                               | Htexch              | Replace E-24A handhole fasteners                          | No  | 04/10/01       | Plan # 01-2052, MAI 30190                     |
| 1          | Repair                                    | Htexch              | Tube plugging on E-24A                                    | No  | 04/18/01       | Plan # 01-2061, MAI 30219                     |
| 1          | Repair                                    | Htexch              | Tube plugging on E-24B                                    | No  | 04/18/01       | Plan # 01-2062, MAI 30218                     |
| 1          | Repair                                    | Piping              | Non-Welded repair to remove weld pad around valve RC-1071 | No  | 04/05/01       | Plan # 01-2066, MAI 30392                     |
| T3         | Replacement                               | Orifice             | Replaced Orifice for FO-380CC                             | No  | 04/16/01       | Plan # 01-2071, MAI 42316                     |

UNIT 1 INTERVAL 3 PERIOD 2  
(For Cycle 16)

| CODE CLASS | REPAIR, REPLACEMENT OR CORRECTIVE MEASURE | ITEM DESCRIPTION       | DESCRIPTION OF WORK                       | FLAW OR RELEVANT CONDITION FOUND DURING SCHEDULED SECTION XI EXAMINATION OR TEST (YES/NO) | DATE COMPLETED | REPAIR/REPLACEMENT PLAN NUMBER AND MAI NUMBER |
|------------|---|------------------------|---|---|----------------|---|
| T3         | Replacement                               | Orifice                | Replaced Orifice for FO-3800D             | No  | 04/16/01       | Plan # 01-2072, MAI 42316                     |
| 2          | Replacement                               | Valve                  | Replaced disc on CV-1207                  | No  | 04/17/01       | Plan # 01-2078, MAI 37289                     |
| T3         | Replacement                               | Valve                  | Replaced disc on valve CV-2803            | No  | 04/16/01       | Plan # 01-2079, MAI 40277                     |
| 1          | Repair                                    | Vessel                 | Non-Welded repair on CRDM 56 nozzle       | No  | 04/02/01       | Plan # 01-2098, MAI 43606                     |
| 2          | Replacement                               | Valve                  | Replace valve HV-131<br>Invoke CC N-416-1 | No  | 04/10/01       | Plan # 01-2075, MAI 20371                     |
| 1          | Replacement                               | CRDM                   | Replaced CRDM-55 fasteners                | No  | 04/18/01       | Plan # 01-2089, MAI 43607                     |
| 1          | Replacement                               | CRDM                   | Replaced CRDM-6 fasteners                 | No  | 04/18/01       | Plan # 01-2090, MAI 43607                     |
| 1          | Replacement                               | CRDM                   | Replaced CRDM-61 fasteners                | No  | 04/18/01       | Plan # 01-2091, MAI 43607                     |
| 1          | Replacement                               | CRDM                   | Replaced CRDM-63 fasteners                | No  | 04/18/01       | Plan # 01-2092, MAI 43607                     |
| 1          | Replacement                               | CRDM                   | Replaced CRDM-57 fasteners                | No  | 04/18/01       | Plan # 01-2093, MAI 43607                     |
| 1          | Repair                                    | Vessel                 | CRDM nozzle repair on R-1                 | No  | 04/09/01       | Plan # 01-2100, MAI 43606                     |
| 2          | Replacement                               | Valve                  | Replace MU-1207-2<br>Invoke CC N-416-1    | No  | 04/05/01       | Plan # 01-2103, MAI 44087                     |
| 1          | Repair                                    | Valve                  | Weld repair CV-1000 inlet flange          | No  | 04/03/01       | Plan # 01-2104, MAI 44016                     |
| 1          | Replacement                               | Valve                  | Replace Flange fasteners on CV-1000       | No  | 04/12/01       | Plan # 01-2105, MAI 43522                     |
| 2          | Repair                                    | Valve                  | Non-Welded repair on PSV-2400             | No  | 04/17/01       | Plan # 01-2110, MAI 44285                     |
| 2          | Replacement                               | Valve                  | Replaced valve MU-21A                     | No  | 05/09/01       | Plan # 01-2112, MAI 44409                     |
| 1          | Replacement                               | CRDM                   | Replaced CRDM # 47                        | No  | 04/18/01       | Plan # 01-2113, MAI 43607                     |
| MC         | Replacement                               | Emergency Escape Hatch | Fasteners replaced on C-2                 | No  | 05/07/01       | Plan # 01-2115, MAI 37710                     |
|            |   |                        |   |   |                |   |
|            |   |                        |   |   |                |   |

NOTE: Table 3 is an abstract for all Repair/Replacement activities performed during Cycle 16 to comply with Site Procedures.



**Attachment 2**

**1CAN040601**

**Owner's Activity Report OAR-1322**

# FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number OAR-1322

Owner Entergy Arkansas, Inc./ P.O. Box 551, TCBY Tower, Little Rock, AR. 72203  
(Name and Address of Owner)

Plant Arkansas Nuclear One / 1448 S.R. 333, Russellville, AR. 72802  
(Name and Address of Plant)

Unit No. 1 Commercial service date December 19, 1974 Refueling outage no. 1R17  
(If applicable)

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

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

Edition and Addenda of Section XI applicable to the inspection plan 1992 Edition, Portions of 1993 Addenda for Pressure Testing

Date and revision of inspection plan September 30, 2002 / Revision 6: through PCN-06

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 this Owner's Activity Report are correct, and that the examinations, test, 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 [Signature] Manager, Programs & Components Date 4/13/04  
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 Arkansas and employed by ABS Group Inc. of Houston, Texas have inspected the items described in this Owner's Activity Report, during the period April 9, 2001 to November 12, 2002, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

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

C.W. Thompson Commissions NB-9985, ARK-1054 "A" "B" "N" "I" "NS"  
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-13-04

This form (E00127) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

**TABLE 1**  
**ABSTRACT OF EXAMINATIONS AND TEST**

| Examination Category | Total Examinations Required for The Interval | Total Examinations Credited for This Period | Total Examinations Credited (%) For The Period | Examinations Credited (%) To Date for The Interval | Remarks                       |
|----------------------|--|---|--|--|-------------------------------|
| B-A                  | 13   | 0   | 0.00   | 0.00   |                               |
| B-B                  | 6  | 1   | 100.00   | 50.00  |                               |
| B-D                  | 38   | 6   | 100.00   | 36.84  |                               |
| B-F                  | 7  | 2   | 100.00   | 57.14  |                               |
| B-G-1 (1)            | 32   | 1   | 16.66  | 15.62  |                               |
| B-G-2                | 25   | 8   | 100.00   | 60.00  |                               |
| B-J                  | 40   | 6   | 60.00  | 42.50  | RISK Informed ISI is applied. |
| B-P                  | 7  | 2   | 66.67  | 57.14  |                               |
| C-A                  | 8  | 2   | 100.00   | 50.00  |                               |
| C-B                  | 7  | 2   | 100.00   | 57.14  |                               |
| C-C                  | 16   | 5   | 100.00   | 56.25  |                               |
| C-F-1                | 91   | 26  | 68.42  | 48.35  |                               |
| C-F-2                | 28   | 9   | 81.82  | 50.00  |                               |
| C-H                  | 165  | 19  | 34.55  | 44.84  |                               |
| D-A                  | 11   | 3   | 100.00   | 54.55  |                               |
| D-B                  | 51   | 0   | 0.00   | 33.33  |                               |
| F-A                  | 120  | 26  | 76.47  | 55.00  |                               |
| E-A                  | 3  | 1   | 100.00   | 67.00  |                               |
| E-D                  | 3  | 0.5   | 50.00  | 50.00  |                               |

(1) Examinations are within the percentages when calculated per bolt.

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

[illegible]

UNIT 1 INTERVAL 3 PERIOD 2  
(For Cycle 17)

TABLE 3

## ABSTRACT OF REPAIRS, REPLACEMENTS OR CORRECTIVE MEASURES REQUIRED FOR CONTINUED SERVICE

| CODE CLASS | REPAIR, REPLACEMENT OR CORRECTIVE MEASURE | ITEM DESCRIPTION | DESCRIPTION OF WORK                                    | FLAW OR RELEVANT CONDITION FOUND DURING SCHEDULED SECTION XI EXAMINATION OR TEST (YES/NO) | DATE COMPLETED | REPAIR/REPLACEMENT PLAN NUMBER AND MAI NUMBER |
|------------|---|------------------|--|---|----------------|---|
| 2          | Replacement                               | Valve            | Replaced B/B studs on DH-10                            | No  | 10/29/02       | Plan # 99-2058, MAI 963311                    |
| 2          | Replacement                               | Piping           | Replaced pipe fittings on CCB-12-1.5                   | No  | 10/29/02       | Plan # 99-2147, MAI 17695                     |
| 3          | Replacement                               | Valve            | Replaced valve CZ-14.<br>Invoked CC N-416-1            | No  | 07/24/02       | Plan # 00-2087, MAI 27927                     |
| 3          | Replacement                               | Tank             | Replaced flange fasteners T-76                         | No  | 07/27/01       | Plan # 01-2007, MAI 32340                     |
| 2          | Replacement                               | Valve            | Replaced disc on CV-1278                               | No  | 10/17/02       | Plan # 01-2021, MAI 28202                     |
| 3          | Repair                                    | Valve            | Machined SF-19A disc                                   | No  | 11/15/01       | Plan # 01-2059, MAI 36328                     |
| T3         | Replacement                               | Cooling Coil     | Replaced VUC-1C<br>Invoked CC N-416-1                  | No  | 09/21/01       | Plan # 01-2142, MAI 48884                     |
| T3         | Replacement                               | Cooling Coil     | Replaced VUC-1A<br>Invoked CC N-416-1                  | No  | 09/21/01       | Plan # 01-2143, MAI 48880                     |
| 3          | Replacement                               | Piping           | Modified SF piping on HCC-16-4".<br>Invoked CC N-416-1 | No  | 11/10/02       | Plan # 02-2024, MAI 45932                     |
| 3          | Replacement                               | Piping           | Modified SF piping on HCC-16-4".<br>Invoked CC N-416-1 | No  | 11/10/02       | Plan # 02-2025, MAI 45932                     |
| 3          | Replacement                               | Support          | New support HCC-16-H23                                 | No  | 08/27/02       | Plan # 02-2026, MAI 45932                     |
| 3          | Replacement                               | Support          | New supports HCC-16-H14, H16 & H17                     | No  | 08/27/02       | Plan # 02-2028, MAI 45932                     |
| 3          | Replacement                               | Valve            | Replaced B/B fasteners on MU-30B                       | No  | 11/10/02       | Plan # 02-2044, MAI 56202                     |
| 2          | Replacement                               | Valve            | Replaced disc on MU-22A                                | No  | 11/11/02       | Plan # 02-2096, MAI 60428                     |
| T3         | Replacement                               | Flow Orifice     | Relocated flow orifice FO-3800B.<br>Invoked CC N-416-1 | No  | 06/18/02       | Plan # 02-2101, MAI 62017                     |
| 1          | Replacement                               | Valve            | Replaced B/B seal weld on DH-12                        | No  | 11/11/02       | Plan # 02-2102, MAI 64035                     |
| T3         | Replacement                               | Valve            | Replaced valve SW-22A                                  | No  | 11/05/02       | Plan # 02-2107, MAI 45395                     |
| 2          | Replacement                               | Vessel           | Plugged tubes (non-welded) on E-35A                    | No  | 10/29/02       | Plan # 02-2108, MAI 330                       |
| 3          | Replacement                               | Valve            | Replaced B/B studs on SF-40                            | No  | 08/28/02       | Plan # 02-2118, MAI 59947                     |
| T3         | Replacement                               | Valve            | Replaced disc of MS-271                                | No  | 10/22/02       | Plan # 02-2120, MAI 67240                     |

UNIT 1 INTERVAL 3 PERIOD 2  
(For Cycle 17)

| CODE CLASS | REPAIR, REPLACEMENT OR CORRECTIVE MEASURE | ITEM DESCRIPTION | DESCRIPTION OF WORK   | FLAW OR RELEVANT CONDITION FOUND DURING SCHEDULED SECTION XI EXAMINATION OR TEST (YES/NO) | DATE COMPLETED | REPAIR/REPLACEMENT PLAN NUMBER AND MAI NUMBER |
|------------|---|------------------|---|---|----------------|---|
| 1          | Replacement                               | Vessel           | Plugged SG tubes on E-24A   | No  | 10/30/02       | Plan # 02-2135, MAI 65892                     |
| 1          | Replacement                               | Vessel           | Plugged SG tubes on E-24B   | No  | 10/30/02       | Plan # 02-2141, MAI 65893                     |
| T3         | Replacement                               | Piping           | Replaced HCD-159-4" piping  | No  | 10/16/02       | Plan # 02-2145, MAI 69570 and 30694           |
| T3         | Replacement                               | Piping           | Replaced HCD-161-4" piping  | No  | 10/16/02       | Plan # 02-2146, MAI 69570 and 30694           |
| T3         | Replacement                               | Support          | Replaced support HCD-159-H1   | No  | 10/16/02       | Plan # 02-2147, MAI 65970 and 30694           |
| T3         | Replacement                               | Support          | Replaced support HCD-161-H1   | No  | 10/16/02       | Plan # 02-2148, MAI 65970 and 30694           |
| 2          | Replacement                               | Valve            | Replaced disc on CV-2670  | No  | 11/11/02       | Plan # 02-2157, MAI 66978                     |
| 1          | Replacement                               | Valve            | Replaced Valve PSV-1002   | No  | 11/11/02       | Plan # 02-2158, MAI 65872                     |
| 3          | Replacement                               | Valve            | Replaced valve disc on CZ-55B   | No  | 09/30/02       | Plan # 02-2160, MAI 71560                     |
| 2          | Replacement                               | Valve            | Replaced B/B fasteners on CV-1405   | No  | 10/23/02       | Plan # 02-2168, MAI 73267                     |
| 1          | Replacement                               | CRDM             | Replaced CRDM 54 (Rad-Cal)  | No  | 11/11/02       | Plan # 02-2169, MAI 69026                     |
| 1          | Replacement                               | CRDM             | Replaced CRDM and fasteners on 4  | No  | 11/11/02       | Plan # 02-2170, MAI 69026                     |
| 1          | Replacement                               | CRDM             | Replaced fasteners on CRDM-1, 2, 5, 6, 10, 14, 22, 23, 29, 32, 38, 40, 42, 55, 58, 64, and 66 | No  | 10/25/02       | Plan # 02-2171, MAI 73225                     |
| T3         | Replacement                               | Valve            | Replaced valve CV-3643  | No  | 10/24/02       | Plan # 02-2177, MAI 73752                     |
| 2          | Replacement                               | Snubber          | Replaced snubber HS-67  | Yes   | 10/23/02       | Plan # 02-2182, MAI 67002                     |
| 2          | Replacement                               | Valve            | Replaced valve disc on CV-1278  | No  | 10/17/02       | Plan # 02-2183, MAI 74245                     |
| 2          | Replacement                               | Valve            | Replaced B/B fasteners on MU-28A  | No  | 11/10/02       | Plan # 02-2184, MAI 73447                     |
| 1          | Repair                                    | Vessel           | Non-welded repair on Reactor Vessel, Nozzle 68  | No  | 11/05/02       | Plan # 02-2187, MAI 53393                     |
| 1          | Repair                                    | Vessel           | Welded repair on Reactor Vessel, Nozzle 68  | No  | 11/05/02       | Plan # 02-2189, MAI 53393                     |
| 1          | Repair                                    | Vessel           | Welded repair on Reactor Vessel, Nozzle 54  | No  | 11/05/02       | Plan # 02-2190, MAI 53393                     |
| 1          | Replacement                               | CRDM             | Replaced CRDM 54 fasteners (Rad-Cal)  | No  | 11/11/02       | Plan # 02-2193, MAI 69026                     |

UNIT 1 INTERVAL 3 PERIOD 2  
(For Cycle 17)

| CODE CLASS | REPAIR, REPLACEMENT OR CORRECTIVE MEASURE | ITEM DESCRIPTION | DESCRIPTION OF WORK   | FLAW OR RELEVANT CONDITION FOUND DURING SCHEDULED SECTION XI EXAMINATION OR TEST(YES/NO) | DATE COMPLETED | REPAIR/REPLACEMENT PLAN NUMBER AND MAI NUMBER |
|------------|---|------------------|---|--|----------------|---|
| 1          | Repair                                    | Vessel           | Welded repair on Reactor Vessel, Nozzle 3.<br>Invoked CC N-416-1  | No   | 11/11/02       | Plan # 02-2194, MAI 53406                     |
| 1          | Repair                                    | Vessel           | Welded repair on Reactor Vessel, Nozzle 6.<br>Invoked CC N-416-1  | No   | 11/11/02       | Plan # 02-2195, MAI 53406                     |
| 1          | Repair                                    | Vessel           | Welded repair on Reactor Vessel, Nozzle 15.<br>Invoked CC N-416-1 | No   | 11/11/02       | Plan # 02-2196, MAI 53406                     |
| 1          | Repair                                    | Vessel           | Welded repair on Reactor Vessel, Nozzle 17.<br>Invoked CC N-416-1 | No   | 11/11/02       | Plan # 02-2197, MAI 53406                     |
| 1          | Repair                                    | Vessel           | Welded repair on Reactor Vessel, Nozzle 33.<br>Invoked CC N-416-1 | No   | 11/11/02       | Plan # 02-2198, MAI 53406                     |
| 1          | Repair                                    | Vessel           | Welded repair on Reactor Vessel, Nozzle 56.<br>Invoked CC N-416-1 | No   | 11/11/02       | Plan # 02-2199, MAI 53406                     |
| 2          | Replacement                               | Valve            | Replaced valve bonnet on MS-12                                    | No   | 11/11/02       | Plan # 02-2200, MAI 61150                     |
| 2          | Replacement                               | Valve            | Replaced bonnet on MS-12  | No   | 11/06/02       | Plan # 02-2201, MAI 75408                     |

NOTE: Table 3 is an abstract for all Repair/Replacement activities performed during Cycle 17 to comply with Site Procedures.