

WOLF CREEK
NUCLEAR OPERATING CORPORATION

Clay C. Warren
Vice President & Chief Operating Officer

DEC 16 1999

WO 99-0106

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, D. C. 20555

- References: 1) Letter ET 95-0112, dated October 31, 1995, from Robert C. Hagan, WCNOG, to USNRC
2) Letter 95-0189, dated December 27, 1995, from Otto L. Maynard, WCNOG, to USNRC
3) Letter 96-00281, dated February 9, 1996, from USNRC to Neil S. Carns, WCNOG

Subject: Docket 50-482: Inservice Inspection Program Second Interval, First Period Owner's Activity Reports

Gentlemen:

In References 1 and 2, Wolf Creek Nuclear Operating Corporation (WCNOG) requested use of ASME Code Case N-532 "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and IWA-6000" in lieu of current ASME Section XI reporting requirements.

In Reference 3 the USNRC concluded that the proposed alternative to use Code Case N-532 and the clarifications contained within References 1 and 2 provide an acceptable level of quality and safety, and approved the use of Code Case N-532 for use at Wolf Creek Generating Station. Code Case N-532 requires that an Owner's Activity Report (Form OAR-1) be prepared and certified upon completion of each refueling outage. Each Form OAR-1 prepared during an inspection period shall be submitted following the end of the inspection period. The enclosures provide the Owner's Activity Reports for the period September 3, 1995, through October 3, 1999. This timeframe constitutes the first period of the second interval of the WCNOG Inservice Inspection Program. Within this period, Refueling Outages 8, 9, and 10 occurred. The attached Forms OAR-1 correspond to these outages.

A047

If you have any questions concerning this submittal, please contact me at (316) 364-4048, or Mr. Michael J. Angus, at (316) 364-4077.

Very truly yours,

A handwritten signature in black ink, appearing to read "Clay C. Warren". The signature is written in a cursive style. Below the signature, the letters "FOR" are written in a smaller, blocky font.

Clay C. Warren

CCW/rlr

Enclosures

cc: J. N. Donohew (NRC) w/e
W. D. Johnson (NRC) w/e
E. W. Merschoff (NRC) w/e
Senior Resident Inspector (NRC) w/e

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 12-P1-RF-10

Owner Wolf Creek Nuclear Operating Corporation
(Name and Address of Owner)

Plant Wolf Creek Generating Station, 1550 Oxen Lane Northeast, Burlington, Kansas 66839
(Name and Address of Plant)

Unit No. 1 Commercial service date 9-3-85 Refueling outage no. 10
(If applicable)

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

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

Edition and Addenda of Section XI applicable to the inspection plan 1989 edition with no addenda

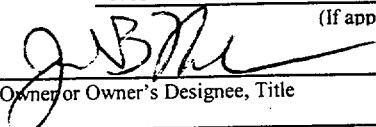
Date and revision of inspection plan WCRE-10 Rev. 1, dated 4-4-99

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, 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 John B. Makar  Engineer Date 12/06/99
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 of Kansas and employed by Arkwright Mutual Insurance Company* of Johnston, Rhode Island have inspected the items described in this Owner's Activity Report, during the period September 3, 1995 to October 3, 1999, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

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

 _____ Commissions KS#299
Inspector's Signature National Board, State, Province, and Endorsements

Date DEC. 10 1999 *Factory Mutual Insurance Company

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 TESTS
Completion of RF-10 (I-2, P-1)

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited for This Period*	Total Examinations Credited (%) for The Period**	Total Examinations Credited (%) to Date for the Interval	Remarks
B-A	24	3	13	13	
B-B	5	1	20	20	
B-D	36	15	42	42	
B-E	113	37	33	33	
B-F	14	6	43	43	Note A
B-G-1	219	66	30	30	Note 1
B-G-2	15	8	53	53	Note 2
B-H	-	-	-	-	
B-J	171	45	26	26	
B-K	2	1	50	50	
B-L-2	1	1	100	100	Note 3
B-M-2	7	4	57	57	Note 4
B-N-1	3	1	33	33	
B-N-2	6	-	-	-	
B-N-3	1	-	-	-	
B-O	4	4	100	100	
B-P	Note 5	Note 5	Note 5	Note 5	Note 5
C-A	9	3	33	33	
C-B	8	1	13	13	Note 9
C-C	19	6	32	32	
C-D	1	1	100	100	
C-F-1	83	27	33	33	Note 6
C-F-2	28	8	29	29	Note 6
C-G	4	1	25	25	
C-H	Note 5	Note 5	Note 5	Note 5	Note 5
AUG	498	165	33	33	Note 7
D-A	44	14	32	32	Note 8
D-B	-	-	-	-	Note 8
F-A	291	89	31	31	

* This column is interpreted to represent the cumulative number of exams performed to date in this period.

** This column is interpreted to represent the cumulative percentage of scheduled exams for the interval which have completed in this period to date; thus, for the first period, the columns showing % for the period and % for the interval will display the same values.

- Note A: Category B-F exams exceed the 34% maximum due to performance of the reactor vessel nozzle safe end exams coincident with the vessel nozzle exams required by Category B-D. Note (2) for examination Category B-D requires that at least 25% but not more than 50% of the nozzles be examined by the end of the first period. Four of eight reactor vessel nozzle exams (50%) were performed in Period 1. There are six other Category B-F exams for the Interval, two of which were performed in Period 1 (33%).
- Note 1: 216 of the 219 examinations for category B-G-1 are comprised of the reactor vessel studs, nuts, washers, and flange ligaments. The other three examinations are performed on the studs, nuts and washers, and flange surfaces of a reactor coolant pump. In RFO-9, RCP-D was disassembled, and the flange face surfaces were examined.
- Note 2: For pumps and valves, examinations are limited to components selected for examination under Examination Categories B-L-2 and B-M-2.
- Note 3: Examination is required only when a pump is disassembled for maintenance, repair or examination. Examination is required only once during the inspection interval, thus completed percentages indicated may not be consistent with Table IWB-2412-1 schedule. In RFO-9, RCP-D was disassembled, and the pump casing surfaces were examined.
- Note 4: Examination is required only when a valve is disassembled for maintenance, repair or examination. Examination is required only once during the inspection interval, thus completed percentages indicated may not be consistent with Table IWB-2412-1 schedule.
- Note 5: Visual Examinations (VT-2) are performed as required for a fuel cycle, 40-month, and 10-year system hydrostatic testing basis. All required exams have been performed for this fuel cycle.
- Note 6: For simplicity, numbers and percentages are based only on circumferential welds selected for examination. When a circumferential weld is intersected by a longitudinal weld, that longitudinal weld is selected by default in the WCNOG Program. This approach results in greater than the 7.5% sample of longitudinal seam welds being inspected, exceeding the ASME Code requirements.
- Note 7: Includes augmented exams required by NUREG 0800 and RCP Flywheel Exams.
- Note 8: Numbers do not include Visual Examinations (VT-2) as required for 40-month and 10-year system hydrostatic testing basis. All required exams have been performed for this fuel cycle.
- Note 9: Relief Request I2R-23 is being submitted to approve an incomplete examination for Category C-B. Per WCNOG program protocol, this incomplete exam has not been counted in Table 1. Thus, the total exams credited percentage is shown as being below the 16% minimum. Following NRC approval of Relief Request I2R-23, Table 1 will be updated to reflect that exam as complete, and the Category percentage will be 25%.

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)
There were no components containing flaws or relevant conditions that required an evaluation to determine acceptability for continued service.				

**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 Complete	Repair/ Replacement Plan Number
2	Replace	Piping and Fittings Component BG-007-ECB-2" CVCS System	Replace Elbow, Pipe and Coupling in Line BG-007-ECB-2" due to Leaks in the Welds to the Socket Weld Coupling	No	9/24/98	98-012
3	Repair	Spool Piece Component SGK05B Control Building HVAC Unit	Weld Repair of Inlet Spool Flange Face and Interior Weld due to Erosion / Corrosion	No	2/23/99	98-028
3	Replace	Tubing Fittings Component SGL11B Aux. Building Room Cooler	Replace Leaking Tubing Fittings due to Through wall Leakage at Base of Hex Nuts on H-Bends.	No	11/25/98	98-026
2	Replace	Pipe Support Component AB-01-R036/145 Main Steam System	Replace PSA-1/2 Snubber S/N 14989 with Spare PSA-1/2 Snubber S/N 18778. Possible Defective Part identified via 10 CFR 21 Process.	No	2/4/99	98-042
3	Repair	HX Cooling Coil Component SGL13A Aux. Building Room Cooler	Cut and Cap Heat Exchanger Tube to Remove Leaking Tube from Service.	No	2/4/99	98-045
3	Replace	HX Cooling Coil Component SGL13A Aux. Building Room Cooler	Replace Complete Cooling Coil due to Repeated Leakage, Associated Bolting Material and Weld Associated Couplings to Vent and Drains.	No	3/31/99	99-001
3	Repair	Pipe to Fitting Weld Component EG-052-HBC-6" Component Cooling System	Install Encapsulation around Cracked Weld where Line EG-252-HBC-1" Attaches to Half-coupling on Line EG-052-HBC-6"	No	3/31/99	99-10
3	Repair	Piping Component EF-127-HBC-14" Essential Service Water System	Build up Eroded areas in 14" pipe downstream of Throttled Valve EFHV-0050.	No	5/21/99	99-029

**TABLE 3
(continued)**

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 Complete	Repair/Replacement Plan Number
2	Repair	Control Valve Component KAFV-0029 Instrument Air System	Weld Repair due to Air Leakage from Leak-off Nipple on Bonnet.	No	6/2/99	99-033
2	Repair	Control Valve Component ABHV-0005 Main Steam System	Material Blended to Remove Indication Identified on Outlet Side of Valve Body.	Yes	5/14/99	99-034
3	Repair	HX Support Component EEG01A Component Cooling System	Repair Vendor Weld on Support. This was an original Fabrication Defect - Lack of Fusion, not Service Induced.	Yes	9/9/99	99-039
3	Replace	Tubing Fittings Component SGL11B Aux. Building Room Cooler	Perform Brazing to Replace Leaking Fittings on Cooling Coils	No	8/26/99	99-042
3	Replace	Tubing Fittings Component SGL12B Aux. Building Room Cooler	Replace Tube Nut Fittings at H-Bend Return due to Leakage	No	9/21/99	99-046

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number I2-P1-RFO-9

Owner Wolf Creek Nuclear Operating Corporation
(Name and Address of Owner)

Plant Wolf Creek Generating Station, 1550 Oxen Lane Northeast, Burlington, Kansas 66839
(Name and Address of Plant)

Unit No. 1 Commercial service date 9-3-85 Refueling outage no. 9
(If applicable)

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

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

Edition and Addenda of Section XI applicable to the inspection plan 1989 edition with no addenda

Date and revision of inspection plan WCRE-10 Rev. 0, dated 9-6-95

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, 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 John B. Makar JE B M 01/13/99 Engineer Date 01/13/99
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 of Province of Kansas and employed by Arkwright Mutual Insurance Company* of Norwood, Massachusetts have inspected the items described in this Owner's Activity Report, during the period September 3, 1995 to February 1, 1998, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

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

Jeffrey A. Winkler Commissions KS#299
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/14/99 *Factory Mutual Engineering Association

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 TESTS
Completion of RFO-9 (I-2, P-1)

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited for This Period*	Total Examinations Credited (%) for The Period**	Total Examinations Credited (%) to Date for the Interval	Remarks
B-A	24	2	8	8	
B-B	5	1	20	20	
B-D	36	12	33	33	
B-E	113	-	-	-	
B-F	14	6	43	43	Note A
B-G-1	219	37	17	17	Note 1
B-G-2	15	5	33	33	Note 2
B-H	-	-	-	-	
B-J	171	37	22	22	
B-K	2	1	50	50	
B-L-2	1	1	100	100	Note 3
B-M-2	7	4	57	57	Note 4
B-N-1	3	1	33	33	
B-N-2	6	-	-	-	
B-N-3	1	-	-	-	
B-O	4	-	-	-	
B-P	Note 5	Note 5	Note 5	Note 5	Note 5
C-A	9	-	-	-	
C-B	8	-	-	-	
C-C	19	5	26	26	
C-D	1	1	100	100	
C-F-1	83	24	29	29	Note 6
C-F-2	24	7	29	29	Note 6
C-G	4	1	25	25	
C-H	Note 5	Note 5	Note 5	Note 5	Note 5
AUG	498	157	32	32	Note 7
D-A	44	2	5	5	Note 8
D-B	-	-	-	-	Note 8
F-A	291	67	23	23	

* This column is interpreted to represent the cumulative number of exams performed to date in this period.

** This column is interpreted to represent the cumulative percentage of scheduled exams for the interval which have completed in this period to date; thus, for the first period, the columns showing % for the period and % for the interval will display the same values.

- Note A: Category B-F exams exceed the 34% maximum due to performance of the reactor vessel nozzle safe end exams coincident with the vessel nozzle exams required by Category B-D. Note (2) for examination Category B-D requires that at least 25% but not more than 50% of the nozzles be examined by the end of the first period. Four of eight reactor vessel nozzle exams (50%) were performed in Period 1. There are six other Category B-F exams for the Interval, two of which were performed in Period 1 (33%).
- Note 1: 216 of the 219 examinations for category B-G-1 are comprised of the reactor vessel studs, nuts, washers, and flange ligaments. The other three examinations are performed on the studs, nuts and washers, and flange surfaces of a reactor coolant pump. In RFO-9, RCP-D was disassembled, and the flange face surfaces were examined.
- Note 2: For pumps and valves, examinations are limited to components selected for examination under Examination Categories B-L-2 and B-M-2.
- Note 3: Examination is required only when a pump is disassembled for maintenance, repair or examination. Examination is required only once during the inspection interval, thus completed percentages indicated may not be consistent with Table IWB-2412-1 schedule. In RFO-9, RCP-D was disassembled, and the pump casing surfaces were examined.
- Note 4: Examination is required only when a valve is disassembled for maintenance, repair or examination. Examination is required only once during the inspection interval, thus completed percentages indicated may not be consistent with Table IWB-2412-1 schedule.
- Note 5: Visual Examinations (VT-2) are performed as required for a fuel cycle, 40-month, and 10-year system hydrostatic testing basis. All required exams have been performed for this fuel cycle.
- Note 6: For simplicity, numbers and percentages are based only on circumferential welds selected for examination. When a circumferential weld is intersected by a longitudinal weld, that longitudinal weld is selected by default in the WCNOG Program. This approach results in greater than the 7.5% sample of longitudinal seam welds being inspected, exceeding the ASME Code requirements.
- Note 7: Includes augmented exams required by NUREG 0800 and RCP Flywheel Exams.
- Note 8: Numbers do not include Visual Examinations (VT-2) as required for 40-month and 10-year system hydrostatic testing basis. All required exams have been performed for this fuel cycle.

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)
There were no components containing flaws or relevant conditions that required an evaluation to determine acceptability for continued service.				

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 Complete	Repair/Replacement Plan Number
2	Replace	Pipe Support Component BG02-R008/111 - Chemical and Volume Control System	Replace PSA-1/2 Snubber S/N 6490 with Spare PSA-1/2 Snubber S/N 17783	No	1/28/98	97-066
3	Repair	American Air Filter Cooling Coil Component SGN01C S/N 906897-D1 and S/N 906897-D6 - Containment Cooling System	Plug Leaking Tube in SGN01C with Brazed Caps per Engineering Disposition CCP 07111. Coils S/N 906897-D1 and 906897- D6 will be isolated from the System by Cutting Off the Supply and Return Nozzles and Installing Blind Flanges to the System Header.	No	3/12/97	96-070

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 12-P1-RFO-8

Owner Wolf Creek Nuclear Operating Corporation
(Name and Address of Owner)

Plant Wolf Creek Generating Station, 1550 Oxen Lane Northeast, Burlington, Kansas 66839
(Name and Address of Plant)

Unit No. 1 Commercial service date 9-3-85 Refueling outage no. 8
(If applicable)

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

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

Edition and Addenda of Section XI applicable to the inspection plan 1989 edition with no addenda

Date and revision of inspection plan WCRE-10 Rev. 0, dated 9-6-95

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, 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 John B. Makar John B. Makar 01/13/99 Engineer Date 01/13/99
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 of Kansas and employed by Arkwright Mutual Insurance Company* of Norwood, Massachusetts have inspected the items described in this Owner's Activity Report, during the period September 3, 1995 to June 1, 1996, and state that to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

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

Jeffrey A. Winkler Commissions KS#299
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/14/99 *Factory Mutual Engineering Association

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 TESTS
Completion of RFO-8 (I-2, P-1)

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited for This Period*	Total Examinations Credited (%) for The Period**	Total Examinations Credited (%) to Date for the Interval	Remarks
B-A	24	-	-	-	
B-B	5	-	-	-	
B-D	36	8	22	22	
B-E	113	-	-	-	
B-F	14	4	29	29	
B-G-1	219	-	-	-	Note 1
B-G-2	15	-	-	-	Note 2
B-H	-	-	-	-	
B-J	171	-	-	-	
B-K	2	-	-	-	
B-L-2	1	-	-	-	Note 3
B-M-2	7	-	-	-	Note 4
B-N-1	3	1	33	33	
B-N-2	6	-	-	-	
B-N-3	1	-	-	-	
B-O	4	-	-	-	
B-P	Note 5	Note 5	Note 5	Note 5	Note 5
C-A	9	-	-	-	
C-B	8	-	-	-	
C-C	19	4	21	21	
C-D	1	-	-	-	
C-F-1	83	11	13	13	Note 6
C-F-2	24	6	25	25	Note 6
C-G	4	-	-	-	
C-H	Note 5	Note 5	Note 5	Note 5	Note 5
AUG	498	120	24	24	Note 7
D-A	44	-	-	-	Note 8
D-B	-	-	-	-	Note 8
F-A	291	42	14	14	

* This column is interpreted to represent the cumulative number of exams performed to date in this period.

** This column is interpreted to represent the cumulative percentage of scheduled exams for the interval which have completed in this period to date; thus, for the first period, the columns showing % for the period and % for the interval will display the same values.

- Note 1: 216 of the 219 examinations for category B-G-1 are comprised of the reactor vessel studs, nuts, washers, and flange ligaments. The other three examinations are performed on the studs, nuts and washers, and flange surfaces of a reactor coolant pump.
- Note 2: For pumps and valves, examinations are limited to components selected for examination under Examination Categories B-L-2 and B-M-2.
- Note 3: Examination is required only when a pump is disassembled for maintenance, repair or examination. Examination is required only once during the inspection interval, thus completed percentages indicated may not be consistent with Table IWB-2412-1 schedule.
- Note 4: Examination is required only when a valve is disassembled for maintenance, repair or examination. Examination is required only once during the inspection interval, thus completed percentages indicated may not be consistent with Table IWB-2412-1 schedule.
- Note 5: Visual Examinations (VT-2) are performed as required for a fuel cycle, 40-month, and 10-year system hydrostatic testing basis. All required exams have been performed for this fuel cycle.
- Note 6: For simplicity, numbers and percentages are based only on circumferential welds selected for examination. When a circumferential weld is intersected by a longitudinal weld, that longitudinal weld is selected by default in the WCNOG Program. This approach results in greater than the 7.5% sample of longitudinal seam welds being inspected, exceeding the ASME Code requirements.
- Note 7: Includes augmented exams required by NUREG 0800 and RCP Flywheel Exams.
- Note 8: Numbers do not include Visual Examinations (VT-2) as required for 40-month and 10-year system hydrostatic testing basis. All required exams have been performed for this fuel cycle.

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)
There were no components containing flaws or relevant conditions that required an evaluation to determine acceptability for continued service.				

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 Complete	Repair/Replacement Plan Number
1	Repair	Westinghouse 4" Manually Operated Gate Valve Component BG8485A - Chemical and Volume Control System	Remove 1/2" long linear indication from valve body that was detected by liquid penetrant examination. Repaired by grinding/blending. No welding required. Design minimum wall was not violated.	Yes	5/21/96	96-020
3	Repair	30" Pipe Spool Component K211-S143 - Essential Service Water System	Excavate areas thinned by corrosion and pitting to sound metal. Repair by weld metal build-up	No	5/15/96	96-023
3	Repair/Replace	3" Pipe Spool 3" Piping Materials Components KC0111-S066 and KC0111-SP901 - Essential Service Water System	Repair the reducer in pipe spool S066. Replace all pipe in pipe spool SP901. Replace carbon steel elbow in pipe spool S066 with stainless steel elbow. Repair/replacement due to pitting, corrosion, and erosion.	No	5/29/96	96-024
3	Replace	3" Velan Gate Valve 3" Pipe Spool 3" Piping Materials Components EFPDV20, KC0111-S067, and KC0111-SP902 - Essential Service Water System	Remove pipe spool to allow access for strainer maintenance. Replace all of pipe spool SP902 with new material. Replace reducer on pipe spool S067. Restore weld ends on valve EFPDV020 by weld metal build-up. Replacement due to pitting, corrosion and erosion.	No	5/22/96	96/028
3	Replace	30" Pipe Spool Component KC0111-S018 - Essential Service Water System	Replace all parts of the pipe spool with like items. Replacement due to pitting and corrosion.	No	5/28/96	96-030
3	Repair	30" Pipe Spool Component KC0111-S019 - Essential Service Water System	Perform base metal weld repair on specific areas identified by engineering. Repair due to pitting and corrosion.	No	5/29/96	96-031