

LIC-97-023
Enclosure

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN STATION UNIT NO. 1

FORM NIS-1

OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

7. Components Inspected

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates 10/01/96 to 11/21/96 9. Inspection Interval from 09/26/93 to 09/25/03

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.

SEE ATTACHMENT

11. Abstract of Conditions Noted

SEE ATTACHMENT

12. Abstract of Corrective Measures Recommended and Taken

SEE ATTACHMENT

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

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

Date January 31 19 97 Signed R. J. Phelps By OMAHA PUBLIC POWER DISTRICT
Owner

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 NEBRASKA and employed by HSBI & I CO. of HARTFORD, CT have inspected the components described in this Owner's Report during the period 10/01/96 to 11/21/96, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

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

R. J. Phelps Commissions NB#11047, N, I, A
Inspector's Signature National Board, State, Province, and Endorsements
Date Jan 31 19 97

FORM NIS-1 (Back)

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R. J. Phelps Commissions NB#11047, N, I, A
Inspector's Signature National Board, State, Province, and Endorsements
Date Jan 31 19 97

1996 REFUELING OUTAGE AT FORT CALHOUN

(SORTED BY ISO REPORT # COMPONENT)

CAT.	ITEM #	COMPONENT	DESCRIPTION	ISO#	TYPE	CAL. BLK	TEST	DATE OF EXAM.	PROCEDURE REQUIRED	REPORT NUMBER	RESULTS
B-N-1	B13.10	RPV-N2-1	RPV VESSEL INTERIOR				VT-3	10-14-96	OPPD-VT-89-3/0	FC-96-VT-001	MINOR CORROSION
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A			MT	10-18-96	OPPD-MT-89-1/0	FC-96-MT-003	Examined from stud #24 to #1 CW / NRI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A			MT	10-22-96	OPPD-MT-89-1/0	FC-96-MT-003A	Examined from stud #3 to #24 CW / NRI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-19/20-96	OPPD-UT-89-5/0A33.1	FC-96-UT-037	0°/RI/LAMINAR/PLANAR
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-22-96	OPPD-UT-89-5/0A33.1	FC-96-UT-037A	0°/RI/LAMINAR/PLANAR
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-23-96	OPPD-UT-89-5/0A33.1	FC-96-UT-037B	0°/RI/LAMINAR/PLANAR
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-19/20-96	OPPD-UT-89-5/0A33.1	FC-96-UT-038	30° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-23-96	OPPD-UT-89-5/0A33.1	FC-96-UT-038A	30° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-23-96	OPPD-UT-89-5/0A33.1	FC-96-UT-038B	30° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-19/20-96	OPPD-UT-89-5/0A33.1	FC-96-UT-039	45° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-23-96	OPPD-UT-89-5/0A33.1	FC-96-UT-039A	45° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-23-96	OPPD-UT-89-5/0A33.1	FC-96-UT-039B	45° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-19/20-96	OPPD-UT-89-5/0A33.1	FC-96-UT-040	60° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-23-96	OPPD-UT-89-5/0A33.1	FC-96-UT-040A	60° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		7-FCL	UT	10-23-96	OPPD-UT-89-5/0A33.1	FC-96-UT-040B	60° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		12-FCL	UT	10-19/20-96	OPPD-UT-89-5/0A33.1	FC-96-UT-041	70° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		12-FCL	UT	10-22-96	OPPD-UT-89-5/0A33.1	FC-96-UT-041A	70° AXIAL-CIRC/RI
B-A	B1.40	RPVCH-HF-1	HEAD-FLANGE	A-02A		12-FCL	UT	10-23-96	OPPD-UT-89-5/0A33.1	FC-96-UT-041B	70° AXIAL-CIRC/RI
B-H	B8.20	PRZ-3-405	SUPPORT SKIRT WELD	A-03			MT	10-24-96	OPPD-MT-89-1/0	FC-96-MT-004	NRI
B-B	B2.11	PRZ-SC-3-403	BOTTOM HEAD SIDE	A-03		8-FCL	UT	10-19-96	OPPD-UT-89-5/0A33.1	FC-96-UT-015	0°/NRI
B-B	B2.11	PRZ-SC-3-403	LOWER SHELL SIDE	A-03		6-FCL	UT	10-19-96	OPPD-UT-89-5/0A33.1	FC-96-UT-016	0°/NRI
B-B	B2.11	PRZ-SC-3-403	SHELL LONGSEAM (0 DEGREES)	A-03		6-FCL	UT	10-19-96	OPPD-UT-89-5/0A33.1	FC-96-UT-017	0°/NRI
B-B	B2.11	PRZ-SC-3-403	BOTTOM HEAD SIDE	A-03		6-FCL	UT	10-19-96	OPPD-UT-89-5/0A33.1	FC-96-UT-018	45° AXIAL-CIRC/NRI
B-B	B2.11	PRZ-SC-3-403	LOWER SHELL SIDE	A-03		6-FCL	UT	10-19-96	OPPD-UT-89-5/0A33.1	FC-96-UT-019	45° AXIAL-CIRC/NRI
B-B	B2.11	PRZ-SC-3-403	SHELL LONGSEAM (0 DEGREES)	A-03		6-FCL	UT	10-19-96	OPPD-UT-89-5/0A33.1	FC-96-UT-020	45° AXIAL-CIRC/NRI
B-B	B2.11	PRZ-SC-3-403	BOTTOM HEAD SIDE	A-03		12-FCL	UT	10-19-96	OPPD-UT-89-5/0A33.1	FC-96-UT-021	45° AXIAL-CIRC/NRI
B-B	B2.11	PRZ-SC-3-403	LOWER SHELL SIDE	A-03		8-FCL	UT	10-19-96	OPPD-UT-89-5/0A33.1	FC-96-UT-022	45° AXIAL-CIRC/NRI
B-H	B8.20	PRZ-3-405	SUPPORT SKIRT WELD	A-03		8-FCL	UT	10-24-96	OPPD-UT-89-5/0A33.1	FC-96-UT-031	70° NEAR SURFACE/NRI
B-H	B8.20	PRZ-3-405	SUPPORT SKIRT WELD	A-03		8-FCL	UT	10-24-96	OPPD-UT-89-5/0A33.1	FC-96-UT-031	70° NEAR SURFACE/NRI
F-A	F1.40	PRZ-FA-1	SUPPORT BOLTING	A-03	B		VT-3	10-23-96	OPPD-VT-89-3/0	FC-96-VT-009	45° AXIAL-CIRC (GEOMETRY)
B-D	B3.110	PSL-1	RELIEF NOZZLE	A-04		8-FCL	UT	10-21-96	OPPD-UT-89-5/0A33.1	FC-96-UT-020	NRI
B-D	B3.110	PSL-1	RELIEF NOZZLE	A-04		8-FCL	UT	10-21-96	OPPD-UT-89-5/0A33.1	FC-96-UT-021	0°/NRI
B-D	B3.110	PSL-1	RELIEF NOZZLE	A-04		8-FCL	UT	10-21-96	OPPD-UT-89-5/0A33.1	FC-96-UT-022	45° AXIAL-CIRC/NRI
B-D	B3.110	PSL-1	RELIEF NOZZLE	A-04		12-FCL	UT	10-21-96	OPPD-UT-89-5/0A33.1	FC-96-UT-023	60° AXIAL-CIRC/NRI
B-D	B3.120	PSL-1-1R	INSIDE RADIUS SECTION	A-04		8-FCL	UT	10-21-96	OPPD-UT-89-6/0A33.1	FC-96-UT-026	70° NEAR SURFACE/NRI
B-D	B3.110	PSL-10	SURGE NOZZLE (THERMAL SLEEVE)	A-04		8-FCL	UT	10-31-96	OPPD-UT-89-5/0A33.2	FC-96-UT-046	60° Inner Radius/NRI
B-D	B3.110	PSL-10	SURGE NOZZLE (THERMAL SLEEVE)	A-04		8-FCL	UT	10-31-96	OPPD-UT-89-5/0A33.2	FC-96-UT-047	0°/NRI
B-D	B3.110	PSL-10	SURGE NOZZLE (THERMAL SLEEVE)	A-04		8-FCL	UT	10-31-96	OPPD-UT-89-5/0A33.2	FC-96-UT-048	45° AXIAL-CIRC/NRI
B-D	B3.110	PSL-10-1R	INSIDE RADIUS SECTION	A-04		12-FCL	UT	10-31-96	OPPD-UT-89-6/0A33.1	FC-96-UT-049	60° AXIAL-CIRC/NRI
B-D	B3.130	SG-1-N-1	HEAD-OUTLET NOZZLE	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-050	70° NEAR SURFACE/NRI
B-D	B3.130	SG-1-N-3	HEAD-OUTLET NOZZLE	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-053	70° Inner Radius/NRI
B-D	B3.130	SG-1-N-5	INLET NOZZLE-HEAD	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-053	0°/NRI
B-D	B3.130	SG-1-N-1	HEAD-OUTLET NOZZLE	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-054	0°/NRI
B-D	B3.130	SG-1-N-3	HEAD-OUTLET NOZZLE	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-054	45° AXIAL-CIRC/NRI
B-D	B3.130	SG-1-N-5	INLET NOZZLE-HEAD	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-054	45° AXIAL-CIRC/NRI
B-D	B3.130	SG-1-N-1	HEAD-OUTLET NOZZLE	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-055	60° AXIAL-CIRC/NRI
B-D	B3.130	SG-1-N-3	HEAD-OUTLET NOZZLE	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-055	60° AXIAL-CIRC/NRI
B-D	B3.130	SG-1-N-5	INLET NOZZLE-HEAD	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-5/0A33.2	FC-96-UT-055	60° AXIAL-CIRC/NRI
B-D	B3.140	SG-1-N-1-1R	INSIDE RADIUS SECTION	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-6/0A33.1	FC-96-UT-060	70° Inner Radius/NRI
B-D	B3.140	SG-1-N-3-1R	INSIDE RADIUS SECTION	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-6/0A33.1	FC-96-UT-060	70° Inner Radius/NRI
B-D	B3.140	SG-1-N-5-1R	INSIDE RADIUS SECTION	A-05		7-FCL	UT	11-06-96	OPPD-UT-89-6/0A33.1	FC-96-UT-060	70° Inner Radius/NRI
B-B	B2.40	SG-1-C-3	LOWER EXTEN. RING-TUBESHEET	A-05		7-FCL	UT	11-05-96	OPPD-UT-89-5/0A33.2	FC-96-UT-061	0°/NRI
B-B	B2.31	SG-1-C-2	LOWER HEAD - LOWER EXTEN.	A-05		7-FCL	UT	11-05-96	OPPD-UT-89-5/0A33.2	FC-96-UT-061	0°/NRI
B-B	B2.40	SG-1-C-3	LOWER EXTEN. RING-TUBESHEET	A-05		7-FCL	UT	11-05-96	OPPD-UT-89-5/0A33.2	FC-96-UT-062	45° AXIAL-CIRC (GEOMETRY)

1996 REFUELING OUTAGE AT FORT CALHOUN

(SORTED BY ISO REPORT & COMPONENT)

CAT.	ITEM #	COMPONENT	DESCRIPTION	ISO#	TYPE	CAL BLK	TEST	DATE OF EXAM	PROCEDURE REQUIRED	REPORT NUMBER	RESULTS
B-B	B2.31	SG-1-C-2	LOWER HEAD - LOWER EXTEN.	A-05		7-FCL	UT	11-05-96	OPPD-UT-89-5/0add.2	FC-96-UT-062	45° AXIAL-CIRC (GEOMETRY)
B-B	B2.40	SG-1-C-3	LOWER EXTEN. RING-TUBESHEET	A-05		7-FCL	UT	11-05-96	OPPD-UT-89-5/0add.2	FC-96-UT-063	60° AXIAL-CIRC (GEOMETRY)
B-B	B2.31	SG-1-C-2	LOWER HEAD - LOWER EXTEN.	A-05		7-FCL	UT	11-05-96	OPPD-UT-89-5/0add.2	FC-96-UT-063	60° AXIAL-CIRC (GEOMETRY)
B-B	B2.40	SG-1-C-3	LOWER EXTEN. RING-TUBESHEET	A-05		7-FCL	UT	11-05-96	OPPD-UT-89-5/0add.2	FC-96-UT-064	70° NEAR SURFACE/NRI
B-B	B2.31	SG-1-C-2	LOWER HEAD - LOWER EXTEN.	A-05		7-FCL	UT	11-05-96	OPPD-UT-89-5/0add.2	FC-96-UT-064	70° NEAR SURFACE/NRI
B-G-2	B7.30	SG-1-1	INLET MANWAY BOLTING	A-05			VT-1	11-14-96	OPPD-VT-89-1/0	FC-96-VT-002	NRI
B-G-2	B7.30	SG-1-2	OUTLET MANWAY BOLTING	A-05			VT-1	11-14-96	OPPD-VT-89-1/0	FC-96-VT-003	NRI
B-J	B9.31	MRC-1/14A	BRANCH CONNECTION (SAFE INJ)	A-08			PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-008	NRI
B-J	B9.32	MRC-1/14B	BRANCH CONNECTION (CHARGING)	A-08			PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-009	NRI
B-J	B9.31	MRC-1/03B	BRANCH CONNECTION (SURGE)	A-08			PT	10-24-96	OPPD-PT-89-1/0	FC-96-PT-019	NRI
B-F	B5.70	MRC-1/07	NOZZLE-SAFE END	A-08			PT	11-04-96	OPPD-PT-89-1/0	FC-96-PT-030	NRI
B-F	B5.70	MRC-1/19	NOZZLE-SAFE END	A-08			PT	11-04-96	OPPD-PT-89-1/0	FC-96-PT-031	NRI
B-F	B5.70	MRC-1/06	SAFE END-NOZZLE	A-08			PT	11-04-96	OPPD-PT-89-1/0	FC-96-PT-032	NRI
B-J	B9.31	MRC-1/14A	BRANCH CONNECTION (SAFE INJ)	A-08		66-FCL	UT	10-21-96	OPPD-UT-89-1/0	FC-96-UT-027	45° R/L AXIAL-CIRC/NRI
B-J	B9.31	MRC-1/03B	BRANCH CONNECTION (SURGE)	A-08		64-FCL	UT	10-24-96	OPPD-UT-89-1/0	FC-96-UT-032	45° R/L AXIAL-CIRC/NRI
B-F	B5.70	MRC-1/06	SAFE END-NOZZLE	A-08		9-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-056	45° R/L AXIAL/NRI
B-F	B5.70	MRC-1/06	SAFE END-NOZZLE	A-08		34-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-056A	45° R/L AXIAL/NRI
B-F	B5.70	MRC-1/06	SAFE END-NOZZLE	A-08		9-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-057	45° R/L CIRC/NRI
B-F	B5.70	MRC-1/06	SAFE END-NOZZLE	A-08		34-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-057A	45° R/L CIRC/NRI
B-F	B5.70	MRC-1/07	NOZZLE-SAFE END	A-08		10-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-058	45° R/L AXIAL/NRI
B-F	B5.70	MRC-1/19	NOZZLE-SAFE END	A-08		10-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-058	45° R/L AXIAL/NRI
B-F	B5.70	MRC-1/07	NOZZLE-SAFE END	A-08		33-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-058A	45° R/L AXIAL/NRI
B-F	B5.70	MRC-1/19	NOZZLE-SAFE END	A-08		33-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-058A	45° R/L AXIAL/NRI
B-F	B5.70	MRC-1/07	NOZZLE-SAFE END	A-08		10-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-059	45° R/L CIRC/NRI
B-F	B5.70	MRC-1/19	NOZZLE-SAFE END	A-08		10-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-059	45° R/L CIRC/NRI
B-F	B5.70	MRC-1/07	NOZZLE-SAFE END	A-08		33-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-059A	45° R/L CIRC/NRI
B-F	B5.70	MRC-1/19	NOZZLE-SAFE END	A-08		33-FCL	UT	11-06-96	OPPD-UT-89-1/0	FC-96-UT-059A	45° R/L CIRC/NRI
B-G-2	B7.60	RCP-MF-RC3A-4	PUMP SEAL ASSEMBLY BOLTS	A-09B			VT-1	10-21-96	OPPD-VT-89-1/0	FC-96-VT-004	NRI
B-G-2	B7.60	RCP-MF-RC3B-4	PUMP SEAL ASSEMBLY BOLTS	A-09B			VT-1	10-21-96	OPPD-VT-89-1/0	FC-96-VT-005	NRI
B-J	B9.11	10-PSG-10/16	PIPE-BRANCH	A-14	TERM		PT	10-24-96	OPPD-PT-89-1/0	FC-96-PT-020	NRI
B-F	B5.40	10-PSG-10/01	NOZZLE-SAFE END	A-14	TERM		PT	10-29-96	OPPD-PT-89-1/0	FC-96-PT-026	NRI
B-J	B9.11	10-PSG-10/01A	SAFE END-PIPE	A-14			PT	10-29-96	OPPD-PT-89-1/0	FC-96-PT-027	NRI
B-J	B9.11	10-PSG-10/02	PIPE-ELBOW	A-14			PT	10-29-96	OPPD-PT-89-1/0	FC-96-PT-028	NRI
B-J	B9.11	10-PSG-10/03	ELBOW-PIPE	A-14			PT	10-29-96	OPPD-PT-89-1/0	FC-96-PT-029	NRI
B-J	B9.11	10-PSG-10/16	PIPE-BRANCH	A-14	TERM	38-FCL	UT	10-24-96	OPPD-UT-89-1/0	FC-96-UT-033	45° R/L AXIAL-CIRC (GEOMETRY)
B-F	B5.40	10-PSG-10/01	NOZZLE-SAFE END	A-14	TERM	38-FCL	UT	10-24-96	OPPD-UT-89-1/0	FC-96-UT-034	60° R/L AXIAL/NRI
B-J	B9.11	10-PSG-10/03	ELBOW-PIPE	A-14		38-FCL	UT	10-29-96	OPPD-UT-89-1/0	FC-96-UT-042	45° R/L AXIAL-CIRC/NRI
B-J	B9.11	10-PSG-10/02	PIPE-ELBOW	A-14		38-FCL	UT	10-29-96	OPPD-UT-89-1/0	FC-96-UT-043	45° R/L AXIAL-CIRC (GEOMETRY)
B-F	B5.40	10-PSG-10/01	SAFE END-PIPE	A-14		38-FCL	UT	10-29-96	OPPD-UT-89-1/0	FC-96-UT-043	45° R/L AXIAL-CIRC (GEOMETRY)
B-F	B5.40	10-PSG-10/01	NOZZLE-SAFE END	A-14	TERM	36-FCL	UT	10-29-96	OPPD-UT-89-1/0	FC-96-UT-043	45° R/L AXIAL-CIRC/NRI
B-J	B9.11	10-PSG-10/03	ELBOW-PIPE	A-14		38-FCL	UT	10-29-96	OPPD-UT-89-1/0	FC-96-UT-044	60° R/L AXIAL/NRI
B-J	B9.11	10-PSG-10/02	PIPE-ELBOW	A-14		38-FCL	UT	10-29-96	OPPD-UT-89-1/0	FC-96-UT-045	60° R/L AXIAL/NRI
B-J	B9.11	10-PSG-10/01A	SAFE END-PIPE	A-14		38-FCL	UT	10-29-96	OPPD-UT-89-1/0	FC-96-UT-045	60° R/L AXIAL/NRI
B-F	B5.40	4-PSS-1/08	SAFE END (INCL 600)-NOZZLE	A-15	TERM		PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-018	NRI
B-F	B5.40	4-PSS-1/08	SAFE END (INCL 600)-NOZZLE	A-15	TERM	45-FCL	UT	10-22-96	OPPD-UT-89-1/0	FC-96-UT-035	45° R/L AXIAL-CIRC/NRI
B-F	B5.40	4-PSS-1/08	SAFE END (INCL 600)-NOZZLE	A-15	TERM	45-FCL	UT	10-22-96	OPPD-UT-89-1/0	FC-96-UT-036	60° R/L AXIAL (GEOMETRY)
B-J	B9.21	3-PSS-14/01	NOZZLE-ELBOW	A-17			PT	11-04-96	OPPD-PT-89-1/0	FC-96-PT-033	NRI
B-J	B9.21	3-PSS-14/02	ELBOW-PIPE	A-17			PT	11-04-96	OPPD-PT-89-1/0	FC-96-PT-034	NRI
F-A	F1.10	3-PSS-14/02-PR-2	STRUT, 3-BOLT	A-17	A		VT-3	10-29-96	OPPD-VT-89-3/0	FC-96-VT-006	NRI
B-J	B9.21	3-PSS-14/03	PIPE-ELBOW	A-17			PT				NRI
B-F	B5.50	3-PRL-1/01A	NOZZLE-REDUCER (INCONEL 600)	A-19	TERM		PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-017	Substituted with weld 01
B-F	B5.50	3-PRL-1/01A (AUGMENTED)	NOZZLE-REDUCER (INCONEL 600)	A-19	TERM	45-FCL	UT	10-23-96	OPPD-UT-89-1/0	FC-96-PT-028	NRI
B-F	B5.50	3-PRL-1/01A (AUGMENTED)	NOZZLE-REDUCER (INCONEL 600)	A-19	TERM	45-FCL	UT	10-23-96	OPPD-UT-89-1/0	FC-96-UT-029	45° R/L AXIAL-CIRC/NRI
B-J	B9.11	12-SI-12/18	PIPE-ELBOW	A-22			PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-010	60° R/L AXIAL/NRI
B-J	B9.11	12-SI-12/19	ELBOW-NOZZLE	A-22	TERM		PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-011	NRI
B-J	B9.11	12-SI-12/19	ELBOW-NOZZLE	A-22	TERM	39-FCL	UT	10-21-96	OPPD-UT-89-1/0	FC-96-UT-024	45° R/L AXIAL-CIRC/NRI
B-J	B9.11	12-SI-12/18	PIPE-ELBOW	A-22		39-FCL	UT	10-21-96	OPPD-UT-89-1/0	FC-96-UT-024	45° R/L AXIAL-CIRC (GEOMETRY)

1996 REFUELING OUTAGE AT FORT CALHOUN
(SORTED BY 180 REPORT # COMPONENT)

CAT.	ITEM #	COMPONENT	DESCRIPTION	ISO#	TYPE	CAL BLK	TEST	DATE OF EXAM.	PROCEDURE REQUIRED	REPORT NUMBER	RESULTS
B-J	B9.11	12-81-12/19	ELBOW-NOZZLE	A-22	TERM	39-FCL	UT	10-21-96	OPPD-UT-89-1/0	FC-96-UT-025	60° R/L AXIAL/NRI
B-J	B9.11	12-81-12/18	PIPE-ELBOW	A-22		39-FCL	UT	10-21-96	OPPD-UT-89-1/0	FC-96-UT-025	60° R/L AXIAL/NRI
B-J	B9.21	3-HPH-12/04	PIPE-FLANGE	A-30			PT	10-18-96	OPPD-PT-89-1/0	FC-96-PT-006	NRI
B-J	B9.21	3-HPH-12/05	FLANGE-PIPE	A-30			PT	10-18-96	OPPD-PT-89-1/0	FC-96-PT-007	NRI
B-K-1	B10.10	12-SDC-20/13-PL-4	INTEGRAL ATTACHMENT (WEST)	A-42			PT	10-20-96	OPPD-PT-89-1/0	FC-96-PT-021	NRI
B-M-1	B12.30	2-CL-1/CH-345	VALVE BODY WELD, DRESSER 2.0G	A-43			PT	10-08-96	OPPD-PT-89-1/0	FC-96-PT-003	NRI
B-J	B9.40	2-CL-1/13/14	PIPE-ELBOW	A-43			PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-012	NRI
B-J	B9.40	2-CL-1/13/15	ELBOW-PIPE	A-43			PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-013	NRI
B-J	B9.40	2-CL-1/13/16	PIPE-ELBOW	A-43			PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-014	NRI
B-J	B9.40	2-CL-1/13/17	ELBOW-PIPE	A-43			PT	10-21-96	OPPD-PT-89-1/0	FC-96-PT-015	NRI
B-J	B9.40	2-CL-1/13/18	PIPE-NOZZLE	A-43	TERM		VT-1	10-08-96	OPPD-VT-89-1/0	FC-96-VT-007	NRI
B-G-2	B7.70	2-CL-1/HCV-238	VALVE BOLTING, FISHER 2.0T	A-43			MT	10-08-96	OPPD-MT-89-1/0	FC-96-MT-002	NRI
C-F-2	C5.51	6-MS-2004/02	PIPE-FLANGE	B-04			MT	11-11-96	OPPD-MT-89-1/0	FC-96-MT-010	NRI
C-F-2	C5.51	6-MS-2003/02	PIPE-FLANGE	B-04		22-FCL	UT	10-10-96	OPPD-UT-89-1/0	FC-96-UT-006	45° AXIAL/NRI
C-F-2	C5.51	6-MS-2004/02	PIPE-FLANGE	B-04		22-FCL	UT	10-10-96	OPPD-UT-89-1/0	FC-96-UT-007	45° CIRC/NRI
C-F-2	C5.51	6-MS-2004/02	PIPE-FLANGE	B-04		22-FCL	UT	10-10-96	OPPD-UT-89-1/0	FC-96-UT-008	70° AXIAL/NRI
C-F-2	C5.51	6-MS-2003/02	PIPE-FLANGE	B-04		22-FCL	UT	11-11-96	OPPD-UT-89-1/0	FC-96-UT-065	45° AXIAL/NRI
C-F-2	C5.51	6-MS-2003/02	PIPE-FLANGE	B-04		22-FCL	UT	11-11-96	OPPD-UT-89-1/0	FC-96-UT-066	45° CIRC/NRI
C-F-2	C5.51	6-MS-2003/02	PIPE-FLANGE	B-04		22-FCL	UT	11-11-96	OPPD-UT-89-1/0	FC-96-UT-067	70° AXIAL/NRI
C-F-2	C5.51	16-FW-2001/08	PIPE-ELBOW	B-07			MT	11-02-96	OPPD-MT-89-1/0	FC-96-MT-005	NRI
C-F-2	C5.51	16-FW-2001/09	ELBOW-PIPE	B-07			MT	11-02-96	OPPD-MT-89-1/0	FC-96-MT-006	NRI
C-F-2	C5.51	16-FW-2001/10	PIPE-ELBOW	B-07			MT	11-02-96	OPPD-MT-89-1/0	FC-96-MT-007	NRI
C-F-2	C5.51	16-FW-2001/11	SAFE END-NOZZLE	B-07	TERM		MT	11-02-96	OPPD-MT-89-1/0	FC-96-MT-008	NRI
C-F-2	C5.51	16-FW-2001/09	ELBOW-PIPE	B-07		16-FCL	UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-009	NRI
C-F-2	C5.51	16-FW-2001/11	ELBOW-SAFE END	B-07		16-FCL	UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-051	45° AXIAL (GEOMETRY)
C-F-2	C5.51	16-FW-2001/08	PIPE-ELBOW	B-07		16-FCL	UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-051	45° AXIAL/NRI
C-F-2	C5.51	16-FW-2001/10	PIPE-ELBOW	B-07		16-FCL	UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-051	45° AXIAL/NRI
C-F-2	C5.51	16-FW-2001/12	SAFE END-NOZZLE	B-07	TERM		UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-051A	45° AXIAL/NRI
C-F-2	C5.51	16-FW-2001/09	ELBOW-PIPE	B-07		16-FCL	UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-052	45° CIRC/NRI
C-F-2	C5.51	16-FW-2001/11	ELBOW-SAFE END	B-07		16-FCL	UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-052	45° CIRC/NRI
C-F-2	C5.51	16-FW-2001/08	PIPE-ELBOW	B-07		16-FCL	UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-052	45° CIRC/NRI
C-F-2	C5.51	16-FW-2001/10	PIPE-ELBOW	B-07		16-FCL	UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-052	45° CIRC/NRI
C-F-2	C5.51	16-FW-2001/12	SAFE END-NOZZLE	B-07	TERM		UT	11-02-96	OPPD-UT-89-1/0	FC-96-UT-052A	45° CIRC/NRI
F-A	F1.20	16-FW-2001/07-PR	SPRING CAN	B-07	C		VT-3	11-06-96	OPPD-VT-89-3/0	FC-96-VT-008	NRI
C-C	C3.20	12-LPH-2001/19-PL-1	INTEGRAL ATTACHMENT (TOP)	B-16			PT	10-28-96	OPPD-PT-89-1/0	FC-96-PT-022	NRI
C-C	C3.20	12-LPH-2001/19-PL-2	INTEGRAL ATTACHMENT (WEST)	B-16			PT	10-28-96	OPPD-PT-89-1/0	FC-96-PT-023	NRI
C-C	C3.20	12-LPH-2001/19-PL-3	INTEGRAL ATTACHMENT (BOTTOM)	B-16			PT	10-28-96	OPPD-PT-89-1/0	FC-96-PT-024	NRI
C-C	C3.20	12-LPH-2001/19-PL-4	INTEGRAL ATTACHMENT (EAST)	B-16			PT	10-28-96	OPPD-PT-89-1/0	FC-96-PT-025	NRI
C-F-1	C5.11	12-LPSI-2003/37	ELBOW-NOZZLE	B-18	TERM		PT	10-03-96	OPPD-PT-89-1/0	FC-96-PT-001	NRI
C-F-1	C5.11	12-LPSI-2003/37U	LONG SEAM WELD	B-18			PT	10-03-96	OPPD-PT-89-1/0	FC-96-PT-002	NRI
C-F-1	C5.11	12-LPSI-2003/37	ELBOW-NOZZLE	B-18	TERM	18-FCL	UT	10-04-96	OPPD-UT-89-1/0	FC-96-UT-001	45° AXIAL/NRI
C-F-1	C5.11	12-LPSI-2003/37	ELBOW-NOZZLE	B-18	TERM	18-FCL	UT	10-04-96	OPPD-UT-89-1/0	FC-96-UT-002	60° AXIAL/NRI
C-F-1	C5.11	12-LPSI-2003/37	ELBOW-NOZZLE	B-18	TERM	18-FCL	UT	10-04-96	OPPD-UT-89-1/0	FC-96-UT-003	45° CIRC/NRI
C-F-1	C5.12	12-LPSI-2003/37U	LONG SEAM WELD	B-18		18-FCL	UT	10-04-96	OPPD-UT-89-1/0	FC-96-UT-004	45° AXIAL/NRI
C-F-1	C5.12	12-LPSI-2003/37U	LONG SEAM WELD	B-18		18-FCL	UT	10-04-96	OPPD-UT-89-1/0	FC-96-UT-005	45° CIRC/NRI
C-F-1	C5.11	12-CSS-2004/07	ELBOW-ELBOW	B-38			PT	10-16-96	OPPD-PT-89-1/0	FC-96-PT-004	NRI
C-F-1	C5.11	12-CSS-2004/07D	LONG SEAM WELD	B-38			PT	10-16-96	OPPD-PT-89-1/0	FC-96-PT-005	NRI
C-F-1	C5.11	12-CSS-2004/07	ELBOW-ELBOW	B-38		18-FCL	UT	10-16-96	OPPD-UT-89-1/0	FC-96-UT-009	45° AXIAL/NRI
C-F-1	C5.12	12-CSS-2004/07D	LONG SEAM WELD	B-38		18-FCL	UT	10-16-96	OPPD-UT-89-1/0	FC-96-UT-010	45° CIRC/NRI
C-F-1	C5.12	12-CSS-2004/07D	LONG SEAM WELD	B-38		18-FCL	UT	10-16-96	OPPD-UT-89-1/0	FC-96-UT-011	45° AXIAL/NRI
C-F-2	C5.81	36-MS-1-BC-A	BRANCH (SUBST FOR C5.81)	B-86		18-FCL	UT	10-16-96	OPPD-UT-89-1/0	FC-96-UT-012	45° CIRC/NRI
D-A	D1.20	4-FW-9B/PS-FWH-221-1	TRUNNION WELD	C-17	B		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-019	NRI
D-B	D2.40	6-AC-5/PS-ACH-34-1	TRUNNION WELD	C-32	C		VT-3	10-14-96	OPPD-VT-89-3/0	FC-96-VT-015	NRI
D-B	D2.40	6-AC-6/PS-ACH-37-1	TRUNNION WELD	C-33	C		VT-3	10-14-96	OPPD-VT-89-3/0	FC-96-VT-016	NRI
F-A	F1.30	6-AC-1/PS-ACS-144	STRUT, 3-BOLT	C-35	A		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-020	NRI

1996 REFUELING OUTAGE AT FORT CALHOUN
(SORTED BY ISO REPORT # COMPONENT)

CAT.	ITEM #	COMPONENT	DESCRIPTION	ISO#	TYPE	CAL BLK	TEST	DATE OF EXAM.	PROCEDURE REQUIRED	REPORT NUMBER	RESULTS
F-A	F1.30	6-AC-1/PR-ACS-375	U-BOLT, 2 GANG	C-35	B		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-021	NRI
D-B	D2.30	16-AC-10/PR-ACS-386-1	LUG WELDS	C-36	SNUB		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-026	NRI
D-B	D2.20	6-AC-2/PS-ACS-59-1	TRUNNION WELD	C-37	B		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-010	NRI
D-B	D2.30	8-AC-1/PR-ACS-18-1	WELDED SADDLE	C-39	SNUB		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-011	NRI
D-B	D2.20	8-AC-2/PS-ACH-26-1	TRUNNION WELD	C-39	B		VT-3	10-23-96	OPPD-VT-89-3/0	FC-96-VT-014	NRI
D-B	D2.20	14-AC-2/PR-ACS-67A-1	LUG WELDS	C-40	B		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-012	NRI
D-B	D2.20	16-AC-3/PS-AC4-464-1	LUG WELDS	C-40	B		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-013	NRI
D-B	D2.20	14-AC-3A/PS-ACH-16-1	TRUNNION WELD	C-40	B		VT-3	10-14-96	OPPD-VT-89-3/0	FC-96-VT-017	NRI
D-B	D2.20	14-AC-3B/PS-ACH-17-1	TRUNNION WELD	C-40	B		VT-3	10-14-96	OPPD-VT-89-3/0	FC-96-VT-016	NRI
F-A	F1.30	16-AC-4/PR-ACS-158	TRAPEZE/U-BOLT/DUAL STRUT	C-41	A		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-022	NRI
F-A	F1.30	16-AC-4/PS-ACH-235	STRUT, 3-BOLT	C-41	A		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-023	NRI
F-A	F1.30	17-AC-3C/PS-ACH-367/ACS-184	PEDESTAL, U-BOLT	C-42	B		VT-3	10-17-96	OPPD-VT-89-3/0	FC-96-VT-027	NRI
F-A	F1.30	16-AC-5/PS-ACH-371/ACS-188	PEDESTAL, U-BOLT	C-42	B		VT-3	10-17-96	OPPD-VT-89-3/0	FC-96-VT-028	NRI
F-A	F1.30	6-AC-3/PR-ACS-143A	STRUT, 3-BOLT	C-51	A		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-024	NRI
F-A	F1.30	6-AC-3/PS-ACH-226	TRAPEZE, U-BOLT, 2 PIPES	C-51	A		VT-3	10-11-96	OPPD-VT-89-3/0	FC-96-VT-025	NRI

LIC-97-023
Enclosure

OMAHA PUBLIC POWER DISTRICT
FORT CALHOUN STATION UNIT NO. 1

FORM NIS-2

OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner OMAHA PUBLIC POWER DISTRICT Date FEBRUARY 20, 1997
Name
444 SO. 16th STREET MALL, OMAHA, NE 68102-2247 Sheet 1 of 18
Address
2. Plant FORT CALHOUN STATION Unit NO. 1
Name
P.O. BOX 399, FORT CALHOUN, NE 68023-0399 OPPD
Address Repair Organization P.O. No., Job No., etc.
3. Work Performed by OPPD Type Code Symbol Stamp N/A
Name Authorization No. N/A
SEE ABOVE Expiration Date N/A
Address
4. Identification of System SEE ATTACHED SHEETS
5. (a) Applicable Construction Code See Attached 19 Edition, Addenda, Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SEE ATTACHED SHEETS							

7. Description of Work SEE ATTACHED SHEETS

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
 Other ☐ Pressure psi Test Temp. °F

SEE ATTACHED SHEETS

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. × 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this SEE ATTACHED conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed R J Phelps STATION MANAGER Engineering Date 2 - 20 19 97
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 NEBRASKA and employed by HSB I + I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period JUNE 27, 1995 to FEB 20, 1997 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

K. Saltzman Commissions NB 11047 N, I, A
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 21 19 97

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this SEE ATTACHED conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Expiration Date N/A

Signed R J Phelps STATION MANAGER Engineering Date 2-20 19 97
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 NEBRASKA and employed by HSB I+I Co. of HARTFORD, CT have inspected the components described in this Owner's Report during the period JUNE 27, 1995 to FEB 20, 1997, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

H. Saltzman Commissions NB 11047 N, I, A
Inspector's Signature National Board, State, Province, and Endorsements

Date FEB 21 19 97

ASME COMPONENTS REPAIRED/REPLACED - FORT CALHOUN STATION
DURING CYCLE 16 AND 1996 REFUELING OUTAGE ECNs/MODs

Page 2 of 18

WORK DOCUMENT	COMPONENT	CL	MANUF.	SER. NO.	NAT'L BRD NO.	SYS	WORK PERFORMED	APPLICABLE CONSTRUCTION CODE	YEAR BUILT	ASME CODE STAMP Y/N	REPAIR/REPLACEMENT	TEST CONDUCTED
ECN-94-048	CCW LINE	3	N/A	DWG. FILE NO. 40806	N/A	CCW	REPLACE ORIFICE PLATE RESIZED FROM 5.75" TO 6.5"	USAS B31.7 1968 DRAFT	1995	N	REPLACE	LEAK TEST (VT-2)
ECN-94-086	FW-10	3	COFFIN TURBO	8494-DEB-50-177183	N/A	AFW	REPLACE STM CHEST BONNET	USAS B31.7 1968 DRAFT	1970	N	REPLACE	VISUAL, PT, LEAK TEST (VT-2)
ECN-95-210	RC-3A/B/C/D	2	BERLIN CHAPMAN	N/A	N/A	RC	REPLACE OIL COOLER TUBE BUNDLES	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
ECN-96-277	FW-663	3	DRESSER	N/A	N/A	AFW	REPLACE VALVE	ASME III 1983 ED. 1984 ADDENDA	1996	N	REPLACE	ASME N-416-1 CODE CASE
MR-FC-94-018	PIPING FW-19	3	DRAVO	N/A	N/A	AFW	INSTALL 2 1/2" WELDOLET & VALVE	USAS B31.7 1968 DRAFT	1996	N	REPLACE	HYDRO 168 psi/60°F, PT
MR-FC-95-002	MSSP-49 HCV-1040 SPRT	2	N/A	N/A	N/A	MS	MSSP-49 FRAME REPLACEMENT HCV-1040 REORIENTATION	AISC 8th ED. 1980/AWS D.1.1 1986	1996	N	REPLACE	VISUAL

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WORK DOCUMENT	COMPONENT	CL	MANUF.	SER. NO.	NAT'L BRD NO.	SYS	WORK PERFORMED	APPLICABLE CONSTRUCTION CODE	YEAR BUILT	ASME CODE STAMP Y/N	REPAIR/REPLACE MENT	TEST CONDUCTED
MWO 931457	AC-10C	3	BYRON JACKSON	691-H0430	N/A	RW	REPLACED 16 STUDS/16 NUTS	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2)
MWO 933893	HCV-383-3	2	ALLIS CHALMERS	64050-2	N/A	SI	REPLACED 32 STUDS, 64 NUTS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
MWO 940731	AC-10B	3	BYRON JACKSON	691-H0429	N/A	RW	REPLACE STUDS NUTS/PUMP	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2), 1ST
MWO 941256	HCV-1387A	2	FISHER CONTROLS	4662053	N/A	FW	REPLACED 2 STUDS/4 NUTS/STEM/PLUG	ASME III 1971 EDITION	1973	N	REPLACE	LEAK TEST (VT-2), 1ST
MWO 941257	HCV-1388A	2	FISHER CONTROLS	4662055	N/A	FW	REPLACED STEM/PLUG	ASME III 1971 EDITION	1973	N	REPLACE	LEAK TEST (VT-2), 1ST
MWO 941581	MS-279	2	DRESSER	BN9113	N/A	MS	REPLACED 1 STUD	USAS B31.7 DRAFT 1968	1973	N	REPLACE	LEAK TEST (VT-2)
MWO 942054	AC-1D	3	WHITLOCK	74756	9287	CCW	INSTALL NEW ORIFICE PLATE (ECN-94-048)	USAS B31.7 1968 DRAFT	1996	N	REPLACE	LEAK TEST (VT-2)
MWO 942794	CH-1A/B/C	2	MANTON GAULIN	8704274/75/19	N/A	CH	MODIFY UPPER CAPS	ASME VIII 1965 W66 ADDENDA	1973	N	REPLACE	LEAK TEST (VT-2), HT
MWO 943035	PIPING HCV-2882B	3	N/A	N/A	N/A	RW	REPLACE DOWNSTREAM PIPE SPOOL PIECE	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2), HT
MWO 943450	SI-3C	2	INGERSOLL RAND	0669-62	N/A	SI	REPLACE CASING STUDS NUTS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
MWO 951172	STRNR FW-10	3	N/A	N/A	N/A	AFW	MACHINE STM STRNR. GASKET SURFACE	USAS B31.7 1968 DRAFT	1973	N	REPAIR	VISUAL, PT, LEAK TEST (VT-2), 1ST
MWO 951694	AC-1D	3	WHITLOCK	74756	9287	CCW	REPLACED 2 STUDS	USAS B31.7 1968 DRAFT	1971	N	REPLACE	LEAK TST (VT-2)
MWO 952002	ACH-430	3	BERGEN PATTERSON	N/A	N/A	CCW	REPLACED DAMAGED HANGER RODS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	VISUAL
MWO 952068	RC-3A-LO-CLR	2	SENIOR ENGINEERING	WHX-865-253-0-150-150	N/A	RC	REPLACE 8 BOLTS/8 STUDS ON CCW LO CLR	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)

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MWO 950268	RC-3A-L0-CLR	2	SENIOR ENGINEERING	WHX-865-253-0-150-150	N/A	RC	REPLACE L0 CLR TUBE BUNDLE	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2)
MWO 952070	RC-3B-L0-CLR	2	SENIOR ENGINEERING	WHX-865-253-0-150-150	N/A	RC	REPLACED L0 CLR TUBE BUNDLE	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2)
MWO 952071	RC-3C-L0-CLR	2	SENIOR ENGINEERING	WHX-865-253-0-150-150	N/A	RC	REPLACED L0 CLR TUBE BUNDLE	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2)
MWO 952071	RC-3C-L0-CLR	2	SENIOR ENGINEERING	WHX-865-253-0-150-150	N/A	RC	REPLACED 8 STUDS/8 NUTS	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2)
MWO 952077	RC-3D-L0-CLR	2	SENIOR ENGINEERING	WHX-865-253-0-150-150	N/A	RC	REPLACED L0 CLR TUBE BUNDLE	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2)
MWO 952077	RC-3D-L0-CLR	2	SENIOR ENGINEERING	WHX-865-253-0-150-150	N/A	RC	REPLACED 8 STUDS, 8 NUTS	USAS B31.7 1968 DRAFT	1970	N	REPLACE	LEAK TEST (VT-2)
MWO 952090	RC-10-4	3	CE	04	N/A	RC	REPLACED 16 BOLTS	ASME III 1968 EDITION	1973	N	REPLACE	LEAK TEST (VT-2)
MWO 952135	RC-10-16	3	CE	016	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 952136	RC-10-22	3	CE	022	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 952137	RC-10-24	3	CE	024	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 952138	RC-10-40	3	CE	040	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 952318	AC-10A	3	BYRON JACKSON	691-H0428	N/A	RW	REPLACED 2 STUDS/REPLACE PUMP	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), 1ST
MWO 952609	AC-10C	3	BYRON JACKSON	691-H0430	N/A	RW	REPLACED 32 STUDS, 32 NUTS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
MWO 952620	AC-10C	3	BYRON JACKSON	691-H0430	N/A	RW	REPLACED PUMP	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), 1ST

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WORK DOCUMENT	COMPONENT	CL	MANUF.	SER. NO.	NAT'L BRD NO.	SYS	WORK PERFORMED	APPLICABLE CONSTRUCTION CODE	YEAR BUILT	ASME CODE STAMP Y/N	REPAIR/REPLACEMENT	TEST CONDUCTED
MWO 952874	RC-10-15	3	CE	015	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 952950	HCV-2805A	3	GALIGHER	N/A	N/A	RW	REPLACED VALVE	USAS B31.7 1968 DRAFT	1995	N	REPLACE	LEAK TEST (VT-2)
MWO 953128	AC-10 (SPARE)	3	BYRON JACKSON	NONE	N/A	RW	REPLACE CASING 32 STUDS/32 NUTS	USAS B31.7 1968 DRAFT	1970	N	REPLACE	NONE - IN SPARE
MWO 953155	AC-10D	3	BYRON JACKSON	691-H0431	N/A	RW	REPLACED 16 STUDS/16 NUTS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
MWO 953402	VA-287	3	J.E. LONERGAN	N/A	N/A	VA	MACHINE DISC & NOZZLE	USAS B31.7 1968 DRAFT	1973	N	REPAIR	VT AND PT SETPOINT TEST, LEAK TEST (VT-2)
MWO 953471	RC-10-5	3	CE	005	N/A	RC	REPLACED 9 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953475	RC-10-12	3	CE	012	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953476	RC-10-14	3	CE	014	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953477	RC-10-17	3	CE	017	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953479	RC-10-19	3	CE	019	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953480	RC-10-20	3	CE	020	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953482	RC-10-21	3	CE	021	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953483	RC-10-23	3	CE	023	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953488	RC-10-25	3	CE	025	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)

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MWO 953490	RC-10-28	3	CE	028	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953491	RC-10-29	3	CE	029	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953492	RC-10-30	3	CE	030	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953493	RC-10-31	3	CE	009	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953494	RC-10-33	3	CE	033	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953496	RC-10-34	3	CE	034	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953498	RC-10-36	3	CE	036	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953500	RC-10-37	3	CE	037	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953502	RC-10-38	3	CE	038	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 953505	RC-10-41	3	CE	022	N/A	RC	REPLACED 16 BOLTS	ASME III 1971 EDITION	1965	N	REPLACE	LEAK TEST (VT-2)
MWO 954257	AC-108	3	BYRON JACKSON	691-H0429	N/A	RW	REPLACED PUMP	ASME III 1971 EDITION	1973	N	REPLACE	LEAK TEST (VT-2), 1ST
MWO 954257	AC-108	3	BYRON JACKSON	691-H0429	N/A	RW	REPLACED 16 STUDS, 48 NUTS, 12 CAPSCREWS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
MWO 958193	SI-10	2	PROGRESSIVE FABRICATOR	K9200-SI-10	N/A	SI	REPLACED 32 NUTS	ASME III 1968 EDITION	1973	N	REPLACE	LEAK TEST (LLRT)
MWO 960109	RWS-101	3	HILTI	N/A	N/A	RW	REPLACED 2 NUTS	USAS B31.7 1968 DRAFT	1970	N	REPLACE	VISUAL

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MWO 960552	AC-10 (SPARE)	3	BYRON JACKSON	N/A	N/A	RW	REPLACED 32 NUTS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	NONE - SPARE
MWO 960983	AC-10A	3	BYRON JACKSON	691-H0428	N/A	RW	REPLACE TOP CASE - STUDS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST VT-3, 1ST
MWO 960983	AC-10A	2	BYRON JACKSON	691-H0428	N/A	RW	REPLACE CAP SCREWS/REPLACED PUMP	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), 1ST
MWO 961072	AC-1B	3	WHITLOCK	74753	9213	CCW	PLUG TUBE SHEET HOLE	ASME III-C	1970	N	REPLACE	PT, ASME CODE CASE N-416-1, VT-2
MWO 961168	AC-1B	3	WHITLOCK	74753	9213	CCW	REPAIR GASKET SEATING SURFACE	1968 EDITION TEMA-R	1970	N	REPAIR	VISUAL, PT, LEAK TEST (VT-2)
MWO 961483	PIPING F-6 CH-364	2	N/A	N/A	N/A	CH	REPAIR WELD	USAS B31.7 1968 DRAFT	1973	N	REPAIR	VT, PT, LEAK TEST (VT-2)
MWO 962585	AC-189	3	MISSION	92-1873-01	N/A	SFP	REPLACED 1 NUT	USAS B31.7 1968 DRAFT	1992	N	REPLACE	LEAK TEST (VT-2)
MWO 952585	AC-189	3	MISSION	92-1873-01	N/A	SFP	REPLACED HINGE PIN	ASME III 1983 J84	1992	N	REPLACE	LEAK TST (VT-2)
MWO 963108	MS-276	2	DRESSER	BN9114	N/A	MS	REPLACE 1 STUD, 2 NUTS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
MWO 963453	SI-140	2	MISSION	32740	N/A	SI	REPLACED 9 STUDS/6 NUTS	ASME III 1965 EDITION	1969	N	REPLACE	LEAK TEST (VT-2)
MWO 963496	FW-164	2	MISSION	N/A	N/A	AFW	REPLACE HINGE PIN	ASME III 1983-1984 ADDENDA	1973	N	REPLACE	LEAK TEST (VT-2), 1ST
MWO 963519	FW-164	2	MISSION	N/A	N/A	AFW	REPLACED 8 STUDS/5 NUTS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), 1ST
MWO 963681	HCV-1041B	2	SCHUTTE & KOERTING	N690325	N/A	MS	REPLACE VALVE DISC STEM & STEM NUT	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), VT-3, 1ST
MWO 963681	HCV-1041B	2	SCHUTTE & KOERTING	N690325	N/A	MS	REPLACE SHAFT BEARINGS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), VT-3, 1ST

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MWD 963784	HCV-1042B	2	SCHUTTE & KOERTING	N690326	N/A	MS	REPLACED DISC & DISC STEM NUT	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), VISUAL
MWD 963784	HCV-1042B	2	SCHUTTE & KOERTING	N690326	N/A	MS	REPLACED SHAFT BRG	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), VISUAL
MWD 963838	HCV-1042B	2	SCHUTTE & KOERTING	N690326	N/A	MS	DRILLED ROCKSHAFT	USAS B31.7 1968 DRAFT	1973	N	REPLACE	PT. LEAK TEST (VT-2) VISUAL
MWD 963868	HCV-1041B	2	SCHUTTE & KOERTING	N690325	N/A	MS	REPLACE ROCK SHAFT BUSINGS & DRILL COUNTERSCREW HOLE	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2), VT-3, 1ST
MWD 963897	HCV-1041B	2	SCHUTTE & KOERTING	N690325	N/A	MS	REPLACED 4 STUDS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
MWD 968010	RC-2A	1	CE	66505	20879	RC	REPLACED 1 STUD/4 NUTS	ASME III 1965 EDITION	1970	Y	REPLACE	LEAK TEST (VT-2)
MWD 968014	RC-2A	1	CE	66505	20879	RC	REPLACE 2 STUDS/2 NUTS ON SECONDARY HANDHOLE COVER	ASME III 1966 EDITION	1970	Y	REPLACE	LEAK TEST VT-2
MWD 968148	RC-4	1	CE	66602	20852	RC	REPLACED 20 STUDS/20 NUTS	ASME III 1965 EDITION	1969	Y	REPLACE	LEAK TEST (VT-2)
MWD 968174	RC-141	1	CROSBY	N/A	N/A	RC	REPLACED 16 NUTS	ASME III 1965 EDITION	1971	Y	REPLACE	LEAK TEST (VT-2)
MWD 968175	RC-142	1	CROSBY	N/A	N/A	RC	REPLACED 16 NUTS	ASME III 1965 EDITION	1971	Y	REPLACE	LEAK TEST (VT-2)
MWD 968193	SI-9/10	2	PROGRESSIVE FABRICATION	9200-SI-9/10	N/A	SI	REPLACE 32 NUTS	ASME III 1968 EDITION	1969	N	REPLACE	LEAK TEST (LIRT)
WP-002148	HCV-1041A	2	SCHUTTE & KOERTING	N/A	N/A	MS	REPLACED 5 COVER STUDS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)

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WP-002149	HCV-1042A	2	SCHUTTE & KOERTING	N/A	N/A	MS	REPLACED 8 COVER NUTS	USAS B31.7 1968 DRAFT	1973	N	REPLACE	LEAK TEST (VT-2)
MWR 9400281	CH LINE	2	N/A	N/A	N/A	CH	REPLACED 1 NUT ON U-BOLT	USAS B31.7 1968 DRAFT	1994	N	REPLACE	VISUAL, VT-1

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SNUBBER ID	LOCATION	S/N OLD	S/N NEW	MFG	DATE	LOCATION OF OLD	FUNCTIONAL TEST	EXAMINATIONS
ACS-299A	1056' 6" RC-3D	FC-003-206	FC-003-080	BP	7/8/96	SPARE	Y	VT-1, VT-3
AFW-60	1007' 6" RM-19	FC-003-086	FC-030-036	BP	7/15/96	SPARE	Y	VT-1, VT-3
FWS-4B	1041' RM 81	FC-003-319	FC-003-003	BP	5/31/96	SPARE	Y	VT-1, VT-3
FWS-8-TOP	1040' RM 81	FC-010-099	FC-010-016	BP	9/19/96	FWS-3 BOTTOM	Y	VT-1, VT-3
FWS-8D	1041' RM 81	FC-003-320	FC-003-011	BP	6/24/96	SPARE	Y	VT-1, VT-3
FWS-29A	1002' 6" RM 19	FC-003-029	FC-003-354	BP	11/1/96	SPARE	Y	VT-1, VT-3
FWS-38	1008' 8" RC-2A/HCV-1388A	FC-003-061	FC-003-050	BP	2/23/96	SIS-54	Y	VT-1, VT-3
FWS-64A	1041' RM 81	FC-003-345	FC-003-015	BP	7/2/96	RWS-79	Y	VT-1, VT-3
FWS-64B	1040' RM 81	FC-003-021	FC-003-004	BP	7/10/96	SPARE	Y	VT-1, VT-3
FWS-68A	1049' 6" RM 81	FC-003-005	FC-003-025	BP	6/6/96	SPARE	Y	VT-1, VT-3
FWS-92	1019' RM 56	FC-003-026	FC-003-033	BP	7/2/96	FWS-3C	Y	VT-1, VT-3
FWS-101	1039' RM 81	FC-003-001	FC-003-028	BP	6/27/96	SPARE	Y	VT-1, VT-3
FWS-242	1041' RM 81	32268	32268	G	11/11/96	NOT REBUILT - REINSTALLED	Y	VT-1, VT-3
MSS-4-TOP	1038' 6" RC-3D	FC-010-004	FC-010-064	BP	10/29/96	SPARE	Y	VT-1, VT-3
MSS-9B NORTH	1038' 6" RM 81	FC-003-354	FC-003-006	BP	5/18/96	FWS-29A	Y	VT-1, VT-3
RCS-8	1032' 0" PRESS	FC-003-212	FC-003-037	BP	6/6/96	SPARE	Y	VT-1, VT-3
RCS-11	1041' 0" PRESS	FC-003-055	FC-003-047	BP	2/20/96	SPARE	Y	VT-1, VT-3
RWS-79	1046' RM 81	FC-003-108	FC-003-345	BP	11/11/96	SPARE	Y	VT-1, VT-3

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SNUBBER ID	LOCATION	S/N OLD	S/N NEW	MFG	DATE	LOCATION OF OLD	FUNCTIONAL TEST	EXAMINATIONS
RWS-128 EAST	998' 6 1/2" RM 19	FC-010-017	FC-010-15	BP	5/21/96	RWS-128 WEST	Y	VT-1, VT-3
SIS-9A*	979' 6" RM 81	FC-003-322	FC-003-163	BP	7/2/96	SPARE	Y	VT-1, VT-3
SIS-20	979' 6" RM 22	FC-003-265	FC-003-068	BP	7/11/96	RCS-44	Y	VT-1, VT-3
SIS-22	981' 6" RM 21	FC-003-158	FC-003-128	BP	7/16/96	SPARE	Y	VT-1, VT-3
SIS-39 BOTTOM	973' 0" RM 21	FC-003-164	FC-003-167	BP	3/8/96	SPARE	Y	VT-1, VT-3
SIS-53	997' 6" CORR 4	FC-003-324	FC-003-060	BP	4/2/96	SPARE	Y	VT-1, VT-3
SIS-60	996' 6" CORR 4	FC-003-339	FC-003-063	BP	7/15/96	SPARE	Y	VT-1, VT-3
SIS-87	990' 9" RM15A	FC-010-041	FC-010-036	BP	5/20/95	SPARE	Y	VT-1, VT-3
SIS-93A	990' 9" RM15A	FC-010-032	FC-010-01	BP	5/20/96	SIS-84	Y	VT-1, VT-3
SIS-101A	991' 0" RM 13	FC-003-123	FC-003-153	BP	2/7/96	SIS-46	Y	VT-1, VT-3
SIS-116	1009' 5 3/4" RC 1	FC-020-015	FC-020-006	BP	10/17/96	SPARE	Y	VT-1, VT-3
SIS-123	1003' 0 1/8" RC-3C	FC-003-291	FC-003-069	BP	4/1/96	SIS-17A	Y	VT-1, VT-3
SIS-159A	1004' 3 1/16" RC-3C	FC-010-067	FC-010-026	BP	10/8/96	MSS-4 BOTTOM	Y	VT-1, VT-3
SIS-165	1014' 6" RC-3B	FC-003-122	FC-003-168	BP	7/8/96	SIS-44	Y	VT-1, VT-3
SIS-168A BOTTOM	1014' 6" NEAR HCV-333	FC-003-293	FC-003-034	BP	2/20/96	SPARE	Y	VT-1, VT-3
SIS-173	1036' 8" RM 69	FC-003-182	FC-003-211	BP	2/20/96	SPARE	Y	VT-1, VT-3
SIS-174	1049' 2" RC-3D	FC-003-043	FC-003-145	BP	7/8/96	SPARE	Y	VT-1, VT-3
SIS-174B	1051' 7 1/4" CONT. SHELL	FC-003-296	FC-003-065	BP	3/27/96	SPARE	Y	VT-1, VT-3

* Later deleted per MR-FC-94-013

ASME COMPONENTS REPAIRED/REPLACED - FORT CALHOUN STATION
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SNUBBER ID	LOCATION	S/N OLD	S/N NEW	MFG	DATE	LOCATION OF OLD	FUNCTIONAL TEST	EXAMINATIONS
SIS-176D	1064' 6" CONT. SHELL	FC-003-046	FC-003-071	BP	7/1/96	SPARE	Y	VT-1, VT-3
SIS-205	979' 6" RM 21	FC-003-126	FC-003-169	BP	7/18/96	SIS-202	Y	VT-1, VT-3
RCP C-4	RCP-3C NORTHWEST	FC-021-006	FC-021-006	G	11/11/96	REINSTALLED	Y	VT-1, VT-3
RCP D-3	RCP-3D SOUTHWEST	FC-021-007	FC-021-007	G	11/11/96	NOT REBUILT - REINSTALLED	Y	VT-1, VT-3
RCP B-3	RCP-3B SOUTHWEST	FC-021-001	FC-021-009	G	11/11/96	SPARE	Y	VT-1, VT-3
SIS-114B**	1074' CONT. SHELL	17882	17882	PSA-10	11/11/96	REINSTALLED	Y	VT-1, VT-3
SIS-114F**	1074' CONT. SHELL	176	176	PSA-3	11/11/96	REINSTALLED	Y	VT-1, VT-3
RCS-69**	1032' PRESS	5905	5905	PSA-10	11/11/96	REINSTALLED	Y	VT-1, VT-3
ACS-112	1040' 0" RC-2B	FC-010-033	FC-010-066	BP	11/2/96	SPARE	Y	VT-1, VT-3
ACS-299	1056 4 11/16" RC-3D	FC-003-335	FC-003-079	BP	2/28/96	SPARE	Y	VT-1, VT-3
ACS-307	1056 4 11/16" RC-3B	FC-010-064	FC-010-030	BP	10/8/96	MSS-4 TOP	Y	VT-1, VT-3
ACS-384	1000' 6" RM 15	FC-003-141	FC-003-180	BP	7/10/96	SPARE	Y	VT-1, VT-3
ACS-386-A	1028' 8" RM 69	FC-003-151	FC-003-070	BP	4/3/96	SPARE	Y	VT-1, VT-3
ACS-386-B	1028' 8" RM 69	FC-003-245	FC-003-118	BP	7/11/96	SPARE	Y	VT-1, VT-3
FWS-1 BOTTOM	1038' 6" RC-3B	FC-003-221	FC-003-070	BP	7/18/96	SPARE	Y	VT-1, VT-3
FWS-2A	1038' 6" RC-3D	FC-003-226	FC-003-040	BP	2/23/96	SPARE	Y	VT-1, VT-3
FWS-3 BOTTOM	1037' RM 81	FC-010-018	FC-010-094	BP	9/23/96	MSS-9C BOTTOM	Y	VT-1, VT-3

** Tested at Wyle Labs

ASME COMPONENTS REPAIRED/REPLACED - FORT CALHOUN STATION
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SNUBBER ID	LOCATION	S/N OLD	S/N NEW	MFG	DATE	LOCATION OF OLD	FUNCTIONAL TEST	EXAMINATIONS
FWS-3C	1041' RM 81	FC-003-097	FC-003-026	BP	9/16/96	SPARE	Y	VT-1, VT-3
FWS-28	1002' 6" RM 19	FC-003-084	FC-003-007	BP	7/19/96	SPARE	Y	VT-1, VT-3
FWS-32A	1005' 1" RC-2B	FC-003-229	FC-003-239	BP	3/4/96	SPARE	Y	VT-1, VT-3
FWS-33	1001' 6" RC-3D	FC-003-230	FC-003-281	BP	6/4/96	SPARE	Y	VT-1, VT-3
MSS-1	1054' 7" RC-2B	FC-010-069	FC-010-031	BP	10/29/96	MSS-8B	Y	VT-1, VT-3
MSS-4 BOTTOM	1038' 6" RC-3D	FC-010-078	FC-010-067	BP	10/29/96	SPARE	Y	VT-1, VT-3
MSS-8 TOP	1038' 6" RC-3B	FC-010-074	FC-010-065	BP	11/1/96	SPARE	Y	VT-1, VT-3
MSS-8B	1038' 6" RC-2A	FC-010-055	FC-010-069	BP	11/5/96	SPARE	Y	VT-1, VT-3
MSS-9C BOTTOM	1038' 6" RM 81	FC-010-021	FC-010-018	BP	9/24/96	MSS-14C TOP	Y	VT-1, VT-3
MSS-10 WEST	1040' RM 81	FC-030-002	FC-030-002	BP	10/15/96	REINSTALLED	Y	VT-1, VT-3
MSS-13B SOUTH	1038' 6" RM 81	FC-003-105	FC-003-002	BP	5/29/96	SPARE	Y	VT-1, VT-3
MSS-14 WEST	1040' RM 81	FC-020-005	FC-020-005	BP	10/15/96	REINSTALLED	Y	VT-1, VT-3
MSS-14C TOP	1041' 6" RM 81	FC-010-090	FC-010-021	BP	9/30/96	SPARE	Y	VT-1, VT-3
RCP-B4	1015' 3" RCP-3B	FC-021-003	FC-021-003	G	11/11/96	NOT REBUILT - REINSTALLED	Y	VT-1, VT-3
RCP-C1	RCP-3C SOUTHWEST	FC-050-007	FC-050-007	G	10/26/96	NOT REBUILT - REINSTALLED	Y	VT-1, VT-3
RCP-C2	RCP-3C NORTHWEST	FC-050-008	FC-050-008	G	10/25/96	NOT REBUILT - REINSTALLED	Y	VT-1, VT-3
RCP-C4	1015' 3" RCP-3C	FC-021-006	FC-021-006	G	11/11/96	NOT REBUILT - REINSTALLED	Y	VT-1, VT-3

ASME COMPONENTS REPAIRED/REPLACED - FORT CALHOUN STATION
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SNUBBER ID	LOCATION	S/N OLD	S/N NEW	MFG	DATE	LOCATION OF OLD	FUNCTIONAL TEST	EXAMINATIONS
RCP-D1	RCP-3D NORTHEAST	FC-050-003	FC-050-010	G	11/11/96	SPARE	Y	VT-1, VT-3
RCP-D2	RCP-3D 1016' NORTHEAST	FC-050-004	FC-050-009	G	11/11/96	SPARE	Y	VT-1, VT-3
RCP-D4	RCP-3D 1016' NORTHWEST	FC-021-008	FC-021-010	G	11/11/96	SPARE	Y	VT-1, VT-3
RCS-2	1006' 4 1/2" RC-3C	FC-003-127	FC-003-048	BP	2/20/96	SPARE	Y	VT-1, VT-3
RCS-5	1010' 7" RC-3C	FC-003-261	FC-003-053	BP	2/28/96	SPARE	Y	VT-1, VT-3
RCS-5A	1010' 7" RC-3C	FC-003-121	FC-003-052	BP	2/28/96	SPARE	Y	VT-1, VT-3
RCS-12	1041' 0" PRESS	FC-003-243	FC-003-255	BP	2/23/96	SPARE	Y	VT-1, VT-3
RCS-14B	1032' 0" RC-3A	FC-003-246	FC-003-216	BP	7/8/96	SPARE	Y	VT-1, VT-3
RCS-23 BOTTOM	1032' 0" PRESS	FC-003-269	FC-003-250	BP	7/18/96	SPARE	Y	VT-1, VT-3
RCS-32	1052' 0" RC-3A	FC-003-270	FC-003-287	BP	7/3/96	SPARE	Y	VT-1, VT-3
RCS-42	1007' 9" ABOVE RC-5	FC-003-271	FC-003-073	BP	7/11/96	SPARE	Y	VT-1, VT-3
RCS-44	1007' 9" CONT CH-223 DISCHARGE HEADER	FC-003-023	FC-003-265	BP	11/11/96	SPARE	Y	VT-1, VT-3
RCS-45 TOP	1009' 6" RC-3A	FC-003-254	FC-003-279	BP	7/10/96	SPARE	Y	VT-1, VT-3
RCS-49	1009' 6" RC-3C	FC-003-272	FC-003-152	BP	6/28/96	SPARE	Y	VT-1, VT-3
RCS-51	1007' 0" RC-3C	FC-003-273	FC-003-277	BP	7/19/96	SPARE	Y	VT-1, VT-3
RWS-128 WEST	998' 8 1/2" ROOM 19	FC-010-016	FC-010-017	BP	9/16/96	FWS-8 TOP	Y	VT-1, VT-3
SG-A1	S/G RC-2A SE RES. 1049	FC-133-001	FC-133-005	G	10/31/96	SPARE	Y	VT-1, VT-3
SG-A2	S/G RC-2A SE RES. 1049	FC-133-002	FC-133-006	G	10/31/96	SPARE	Y	VT-1, VT-3

ASME COMPONENTS REPAIRED/REPLACED - FORT CALHOUN STATION
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SNUBBER ID	LOCATION	S/N OLD	S/N NEW	MFG	DATE	LOCATION OF OLD	FUNCTIONAL TEST	EXAMINATIONS
SG-B1	S/G RC-2B NE RES. 1049	FC-133-005	FC-133-009	G	10/26/96	SG-A1	Y	VT-1, VT-3
SG-B2	S/G RC-2B NE RES. 1049	FC-133-006	FC-133-010	G	10/26/96	SG-A2	Y	VT-1, VT-3
SIS-8	979' 4" RM 21	FC-003-209	FC-003-081	BP	2/8/96	SPARE	Y	VT-1, VT-3
SIS-17A	979' 6" RM-23	FC-003-188	FC-003-291	BP	11/11/96	SPARE	Y	VT-1, VT-3
SIS-21C	981' 6" RM 21	FC-003-251	FC-003-054	BP	5/3/96	SPARE	Y	VT-1, VT-3
SIS-39A	973' 0" RM 21	FC-010-025	FC-010-057	BP	5/13/96	SIS-91	Y	VT-1, VT-3
SIS-44	979' 6" RM-23	FC-003-192	FC-003-122	BP	11/14/96	SPARE	Y	VT-1, VT-3
SIS-44A	979' 6" RM-23	FC-003-193	FC-003-058	BP	5/2/96	SPARE	Y	VT-1, VT-3
SIS-46	979' 6" RM 23	FC-003-198	FC-003-123	BP	11/11/96	SPARE	Y	VT-1, VT-3
SIS-54	996' 6" CORR 4	FC-003-057	FC-003-061	BP	11/14/96	SPARE	Y	VT-1, VT-3
SIS-66	1000' 0" RM 15A	FC-010-088	FC-010-011	BP	5/6/96	SIS-90	Y	VT-1, VT-3
SIS-69	1003' 6" RM 14	FC-010-044	FC-010-012	BP	5/21/96	SIS-118	Y	VT-1, VT-3
SIS-76	997' 6" RM 14	FC-003-179	FC-003-067	BP	6/25/96	SPARE	Y	VT-1, VT-3
SIS-79	1001' 4" RM 13	FC-003-173	FC-003-064	BP	4/3/96	SPARE	Y	VT-1, VT-3
SIS-84	1001' 9 3/8" RM 14	FC-010-042	FC-010-032	BP	10/1/96	SIS-117A	Y	VT-1, VT-3
SIS-90	1000' 0" RM 14	FC-010-031	FC-010-088	BP	10/3/96	MSS-1	Y	VT-1, VT-3
SIS-91	1002' 8" RM 13	FC-010-030	FC-010-025	BP	9/26/96	ACS-307	Y	VT-1, VT-3
SIS-94	1001' 10" RM 14	FC-010-026	FC-010-041	BP	10/1/96	SIS-159A	Y	VT-1, VT-3

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SNUBBER ID	LOCATION	S/N OLD	S/N NEW	MFG	DATE	LOCATION OF OLD	FUNCTIONAL TEST	EXAMINATIONS
SIS-117A	1009' 6" CONT. INSIDE BIO	FC-010-065	FC-010-042	BP	10/10/96	MSS-8 TOP	Y	VT-1, VT-3
SIS-118	1009' 6" CONT. INSIDE BIO	FC-010-066	FC-010-044	BP	10/10/96	ACS-112	Y	VT-1, VT-3
SIS-185	979' 6" RM 21	FC-003-157	FC-003-349	BP	5/29/96	SPARE	Y	VT-1, VT-3
SIS-202	1011' 3" RM 59	FC-003-204	FC-003-126	BP	11/11/96	SPARE	Y	VT-1, VT-3
SIS-2033-2	1010' 7" CONT	FC-003-144	FC-003-172	BP	2/29/96	SPARE	Y	VT-1, VT-3
WDS-289	1004' 0" CONT PEN. M-20	FC-003-280	FC-003-240	BP	3/7/96	SPARE	Y	VT-1, VT-3

NOTES:

1. BP = Bergen Patterson
2. G = Grinnell
3. PSA = Pacific Scientific

SYSTEM PRESSURE TESTS PERFORMED
DURING CYCLE 16 AND 1996 REFUELING OUTAGE

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TEST PERFORMED	SYSTEM TESTED	TEST PERFORMED	SYSTEM TESTED
IC-ST-AE-3124	WASTE DISPOSAL - GASEOUS	IC-ST-AE-3130	VENTILATING AIR
OP-ST-RC-3007	REACTOR COOLANT	SE-ST-CH-3001	CHARGING - OUTSIDE CONTAINMENT
SE-ST-CH-3002	CHARGING - VCT	SE-ST-CH-3005	CHARGING - INSIDE CONTAINMENT
SE-ST-FO-3001	D/G FUEL OIL SYSTEM	SE-ST-MS-3001	MAIN STEAM
SE-ST-NG-3001	NITROGEN	SE-ST-RW-3001	RAW WATER
SE-ST-SDC-3003	SAFETY INJECTION	SE-ST-SA-3002	D/G #1 STARTING AIR
SE-ST-SA-3003	D/G #2 STARTING AIR	SE-ST-SL-3001	PRIMARY SAMPLING
SE-ST-SL-3002	PRIMARY SAMPLING	SE-ST-SL-3004	PRIMARY SAMPLING
SE-ST-SL-3005	PRIMARY SAMPLING	SE-ST-WDG-3004	WASTE DISPOSAL - GASEOUS
SE-ST-WDG-3005	WASTE DISPOSAL - GASEOUS	SE-ST-WDG-3006	WASTE DISPOSAL - GASEOUS
SE-ST-WDG-3007	WASTE DISPOSAL - GASEOUS	SE-ST-WDG-3010	WASTE DISPOSAL - GASEOUS
SE-ST-WDG-3011	WASTE DISPOSAL - GASEOUS	SE-ST-WDG-3012	WASTE DISPOSAL - GASEOUS
SE-ST-WDG-3013	WASTE DISPOSAL - GASEOUS	SE-ST-WDG-3014	WASTE DISPOSAL - GASEOUS
SE-ST-WDG-3015	WASTE DISPOSAL - GASEOUS	SE-ST-WDG-3016	WASTE DISPOSAL - GASEOUS
SE-ST-WDG-3017	WASTE DISPOSAL - GASEOUS	SE-ST-WDG-3018	WASTE DISPOSAL - GASEOUS
SE-ST-WDL-3001	WASTE DISPOSAL - LIQUID	SE-ST-WDL-3004	WASTE DISPOSAL - LIQUID
SE-ST-WDL-3005	WASTE DISPOSAL - LIQUID	SE-ST-WDL-3006	WASTE DISPOSAL - LIQUID

SYSTEM PRESSURE TESTS PERFORMED
DURING CYCLE 16 AND 1996 REFUELING OUTAGE

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TEST PERFORMED	SYSTEM TESTED	TEST PERFORMED	SYSTEM TESTED
SE-ST-WDL-3007	WASTE DISPOSAL - LIQUID	SE-ST-WDL-3009	WASTE DISPOSAL - LIQUID
SE-ST-WDL-3011	WASTE DISPOSAL - LIQUID	SE-ST-WDL-3012	WASTE DISPOSAL - LIQUID
SE-ST-WDL-3013	WASTE DISPOSAL - LIQUID	SE-ST-WDL-3014	WASTE DISPOSAL - LIQUID