AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-285
UNIT Fort Calhoun Station
DATE March 11, 1986
COMPLETED BY T. P. Matthews
TELEPHONE 402-536-4733

MONTH February, 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	165.6	17	464.9
2	200.4	18	470.6
3	201.7	19	488.5
4	203.3	20	488.7
5	272.1	21	487.9
6	303.8	22	487.6
7	304.1	23	487.6
8	304.9	24	488.3
9	350.4	25	488.7
10	380.1	26	488.8
11	381.7	27	487.7
12	417.8	28	486.7
13	469.6	29	--
14	471.5	30	
15	470.6	31	
16	465.9		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

8603180376 860228
PDR ADOCK 05000285
R PDR

IE24
1/1

OPERATING DATA REPORT

DOCKET NO. 50-285
DATE March 11, 1986
COMPLETED BY T. P. Matthews
TELEPHONE 402-536-4733

OPERATING STATUS

1. Unit Name: Fort Calhoun Station
2. Reporting Period: February, 1986
3. Licensed Thermal Power (MWt): 1500
4. Nameplate Rating (Gross MWe): 502
5. Design Electrical Rating (Net MWe): 478
6. Maximum Dependable Capacity (Gross MWe): 502
7. Maximum Dependable Capacity (Net MWe): 478
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: NONE

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	672.0	1,416.0	108,962.0
12. Number Of Hours Reactor Was Critical	672.0	1,220.6	82,966.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	1,309.5
14. Hours Generator On-Line	672.0	1,044.7	82,167.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	838,106.8	1,012,616.4	104,763,661.0
17. Gross Electrical Energy Generated (MWH)	279,965.2	330,933.2	34,315,502.2
18. Net Electrical Energy Generated (MWH)	268,313.9	313,862.2	32,791,755.6
19. Unit Service Factor	100.0	73.8	75.4
20. Unit Availability Factor	100.0	73.8	75.4
21. Unit Capacity Factor (Using MDC Net)	83.5	46.4	65.3
22. Unit Capacity Factor (Using DER Net)	83.5	46.4	63.2
23. Unit Forced Outage Rate	0.0	0.0	3.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

NONE

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY N/A		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-285
UNIT NAME Fort Calhoun Station
DATE March 11, 1986
COMPLETED BY T. P. Matthews
TELEPHONE 402-536-4733

REPORT MONTH February, 1986

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
									There were no unit shutdowns or power reductions during the month of February, 1986.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

4
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

Refueling Information
Fort Calhoun - Unit No. 1

Report for the month ending February 1986.

1. Scheduled date for next refueling shutdown. March 1987

2. Scheduled date for restart following refueling. May 1987

3. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment? Yes

   a. If answer is yes, what, in general, will these be?

      Fuel supplier change from ENC to CE and possible Technical Specification change.

   b. If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload. _____

   c. If no such review has taken place, when is it scheduled? _____

4. Scheduled date(s) for submitting proposed licensing action and support information. February 1987

5. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

   New fuel supplier (Combustion Engineering) but the new fuel will be essentially the same as that supplied by Combustion Engineering for Cycle 5.

6. The number of fuel assemblies:

a) in the core	133	assemblies
b) in the spent fuel pool	348	"
c) spent fuel pool storage capacity	729	"
d) planned spent fuel pool storage capacity	May be increased via fuel pin consolidation	"

7. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity. 1996

Prepared by J K Gasper Date March 4, 1986

OMAHA PUBLIC POWER DISTRICT
Fort Calhoun Station Unit No. 1

February, 1986
Monthly Operations Report

I. OPERATIONS SUMMARY

Fort Calhoun Station was at 30% power February 1, 1986, when secondary chemistry holdpoints were met and power ascension started. On February 12, 98% power was attained. Power was reduced to 95% for several days to perform moderator temperature coefficient testing. The plant was at full power for the time first during Cycle 10 on February 18, 1986, and remained at full power through the end of the month. On February 18-21, 1986, a security inspection was performed by the NRC. The annual overhaul of diesel generator DG-2 was completed during February.

Training continued for auxiliary operator, equipment operator (auxiliary building) and licensed operator requalification. A comprehensive audit examination was administered for the individuals who will sit for the March 18 NRC requal exam. Training sessions were held for instrumentation and control, chemistry and health physics technicians. The position of Chemistry and Radiation Protection Training Supervisor was filled by Dave Jacobson.

No safety valve or PORV challenges or failures occurred.

A. PERFORMANCE CHARACTERISTICS

None

B. CHANGES IN OPERATING METHODS

None

C. RESULTS OF SURVEILLANCE TESTS AND INSPECTIONS

None

D. CHANGES, TESTS AND EXPERIMENTS CARRIED OUT WITHOUT COMMISSION APPROVAL

Procedure	Description
SP-FAUD-1	Fuel Assembly Uplift Condition Detection. This procedure did not constitute an unreviewed safety question as defined by 10CFR50.59 since it only involved the evaluation of data from a surveillance test to verify that a fuel assembly uplift condition did not exist.
SP-EEQ-1	LOCA Qualified Electrical Equipment Identification Check. This procedure did not constitute an unreviewed safety question because the procedure is simply an inventory list of qualified equipment and indications located on various panels and control boards in the plant. No plant operations or evolutions are involved.
SP-VLPM-4	Core Barrel Motion. This procedure did not constitute an unreviewed safety question because it was performed only to collect plant data. The recorded magnetic tape was sent to Combustion Engineering for analysis. This special procedure did not violate any 10 CFR 59.59 concerns. SP-VLPM-4 will be performed each fuel cycle to determine if any degradation of the core support barrel or thermal shield has occurred.

D. CHANGES, TESTS AND EXPERIMENTS CARRIED OUT WITHOUT COMMISSION APPROVAL (continued)

Procedure	Description
SP-IC-12	Incore Detector Signal Matching. This procedure did not constitute an unreviewed safety question because control rods were moved and incore detector signals were observed for response. Technical Specification limits on rod movement were followed.

System Acceptance Committee Packages for February, 1986:

Package	Description/Analysis
EEAR FC-79-37	Bullet Nose Gas Supply This modification provided for the installation of a nitrogen supply to the bullet noses for outage use. This modification does not have an adverse effect on the safety analysis.
EEAR FC-82-16	Waste Gas Header Moisture Drain. This modification provided for the installation of a drain accumulator on waste gas header valve WD-110. This modification does not have an adverse effect on the safety analysis.
EEAR FC-82-121	Condensate Cooler Backwash and Travelling Screen. This modification only replaced travelling screens. This modification does not have an adverse effect on the safety analysis.

D. CHANGES, TESTS AND EXPERIMENTS CARRIED OUT WITHOUT COMMISSION APPROVAL (continued)

System Acceptance Committee Packages for February, 1986:

Package	Description/Analysis
EEAR FC-84-91A/B	Discharge of Feedwater Heater Relief Valves. This modification provided for the addition of new deadweight supports to the relief valve discharge piping and a new vent stack was installed on the relief valves to provide an improved flow path. This modification does not have an adverse effect on the safety analysis.
EEAR FC-84-127	Fire Suppression in Room 19. This modification provided for the addition of a preaction sprinkler system for Room 19 for Appendix R III.G.2 commitments to the NRC. This modification does not have an adverse effect on the safety analysis.
EEAR FC-85-25	Fire Wrapping of Power Cables. This modification provided for fire wrapping of pressurizer heater feeder cables in Room 20 to meeting Appendix R requirements. This modification does not have an adverse effect on the safety analysis.

D. CHANGES, TESTS AND EXPERIMENTS CARRIED OUT WITHOUT COMMISSION APPROVAL (continued)

System Acceptance Committee Packages for February, 1986:

Package	Description/Analysis
EEAR FC-85-161	Chlorine Injection to the Pre-Sed Tank. This modification replaced the galvanized steel pipe used for chlorine injection to the 6" raw water header feeding the water plant. New PVC pipe, isolation valve and diffuser (inside 6" pipe) were installed in place of galvanized. Thirty inches of unused potable water pipe were removed to improve accessibility to the chlorine line. This modification does not have an adverse effect on the safety analysis.

E. RESULTS OF LEAK RATE TESTS

The Type A leak rate report has been submitted under separate cover. The Type B and C leak rate results will be submitted under separate cover.

F. CHANGES IN PLANT OPERATING STAFF

Mr. David A. Jacobson was appointed Chemistry and Radiation Protection Training Supervisor in February, 1986. Also in February, Mr. Dennis Bonsall was employed as Equipment Operator-Nuclear.

G. TRAINING

Training continued for auxiliary operator, equipment operator (auxiliary building) and licensed operator requalification. A comprehensive audit examination was administered for the individuals who will sit for the March 18 NRC requal exam. Training sessions were held for instrumentation and control, chemistry and health physics technicians. The position of Chemistry and Radiation Protection Training Supervisor was filled.

H. CHANGES, TESTS AND EXPERIMENTS REQUIRING NUCLEAR REGULATORY COMMISSION AUTHORIZATION PURSUANT TO 10CFR50.59

Amendment No.	Description
No. 95	The amendment revises the surveillance technical specifications to ensure that the reactor containment building leak rate testing (Types A, B and C) is performed in accordance with and as specified by 10 CFR Part 50, Appendix J, "Primary Containment Leakage Testing for Water-Cooled Power Reactors."

II. MAINTENANCE (Significant Safety Related)

A report of all significant maintenance performed during the 1985 refueling outage is attached.

for W. Gary Gates
Manager
Fort Calhoun Station

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
840180	MS	REPAIR MAIN STEAM TRAPS IN CONTAINMENT..	INSTALLED NEW PARTS IN YARWAY STEAM TRAP.	12/03/85
842563	HCV-2636	HCV-2636 POSSIBLE BODY TO BONNET LEAK.	DISASSEMBLED VALVE.CLEAN VALVE,INSTALLED NEW GASKET.REASSEMBLED VALVE	01/06/86
845270	FIA 155	MAKE AND INSTALL NEW SCALE FACE FOR LOCAL SEAL LEAK OFF FLOW INDICATOR.	INSTALLED NEW SCALE FACE 625A376VOINS	11/21/85
851471	FW-169	REPACK DURING OUTAGE.	REPACKED AS PER MO	12/06/85
851574	HCV-1385	REPACK DURING OUTAGE.		11/15/85
851575	HCV-1386	REPACK DURING OUTAGE.		11/15/85
852086	HCV-2630-20	PERFORM MP-SOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8504003	HCV-2630CYCLED,OPERATED NORMALLY NO MALFUNCTION	11/09/85
852116	HCV-1385-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404405	PREFORMED SP-MOV-1 ACCORDINGLY COPY OF COMPLETED SUR TEST ATTACH	11/04/85
852117	HCV-1386-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404406	PREFORMED SP-MOV-1 COPY OF COMPLETED SUR TEST IS ATTACH	11/04/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852118	HCV-150-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404407	PERFORMED WORK AS PER SP-MOV-1	11/07/85
852119	HCV-151-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404408	GREASED JERK 121985	01/10/86
852120	HCV-347-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404434	PERFORMED SP-MOV-1 COPY OF COMPLETED SURV TEST IS ATTACHED.	12/23/85
852121	HCV-348-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404438	RENEWAL GREASE IN LIMIT SWITCH REF MO. 858039 AND CHANGE GASKET A COPY COMPLETED SURVEILLANCE TEST	12/28/85
852122	HCV-383-3-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404441	WORK PERFORMED BY RON BOVERMIUS PER SP-MOV-1 ATTACHED SECTION F.1 OF ABOVE REFERENCED SURV	12/20/85
852123	HCV-383-4-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404442	CYCLED VALVE GOING OPEN AMP 3.3 TORQUE 3.5 AMP CLOSE AMP 3.0 TORQUE 5.3 AMP 121985	12/20/85
852124	HCV-2914-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404409	COMPLETED ATTACHED SP-MOV-1.	01/10/86
852125	HCV-2934-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404412	PERFORMED SP-MOV-1	01/10/86
852126	HCV-2954	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404414	PERFORMED SP-MOV-1 MEGGESED MOTOR LEADS 113085 2340 F. PRINE	01/10/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852127	HCV-2974-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404417	INSTALLED (1) GL. CART. GASKET ON EA LIMIT SWITCH GEAR BOX	01/10/86
852146	HCV-308-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404419	PERFORMED SP-MOV-1	10/22/85
852147	HCV-311-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404422	PERFORMED AS PER WORK INSTRUCTIONS AND ATTACHED PROCEDURE A COPY OF THE COMPLETED S.T. IS ATTACHED	10/26/85
852148	HCV-312-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404423	PERFORMED PER WORK INSTRUCTIONS AND ATTACHED PROCEDURE COPY OF COMLETED SURV. TEST IS ATTACHED.	10/26/85
852149	HCV-314-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404424	CHANGED GREASE,MOBIL 28 UNDER MO 854 315.COPY OF COMPLETED SURVEILLANCE TEST IS ATTACHED	01/10/86
852152	HCV-318-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404427	PERFORMED PER WORK INSTRUCTIONS A COPY OF COMPLETED SURV TEST IS ATTACHED	10/29/85
852212	27-1XA/D1	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27-1XA/D1, AC-A/1AD1, 27-2XB/D1, AND AC-B/1AD1.	AS PER ATTACHED PROCEDURE	10/31/85
852218	63XA/LIC-101-1	TEST AND CALIBRATE JFA RELAYS. TEST GROUP INCLUDES RELAYS 63X/LIC-101 AND 63XA/LIC-101-1.	COMPLETED AS PER PROCEDURE	11/05/85
852220	86AX2/OPLS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-A-1/LS, 94-A-2/LS, 94-A-3/LS, 94-A-4/LS, 94-	WORK COMPLETED AS PER ATTACH PROCEDURE.	10/24/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852223	27T1X/1B3C	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27T1X/1B3C AND 27T2X/1B3C.	TESTED AND CALIBRATED HFA RELAYS TES T GROUP INCLUDES RELAYS 27T1X/1B3C A ND 27T2X/1B3C.	11/07/85
852224	27T1X/1B3C-4C	TEST AND CALIBRATE HFA RELAY.	INSTALLED AND CALIBRATED HFA RELAY	11/07/85
852225	183X7	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 183X7, 183X8, 183X9, 183X2, 183X3, 183X4, 183X5,	COMPLEATED TEST AND CALIBRATION OF HFA RELAYS	10/12/85
852234	94-2/1045	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94/1045, 94-1/ 1045, 94-2/1045, AND 94-3/1045.	REPLACE RELAYS AS PER PROCEDURE	11/15/85
852295	RC-3C	CHECK UPPER MOTOR BEARING OIL SYSTEM TO DETERMINE WHY OIL LEVEL DECREASES DURING PLANT OPERATION.	FOUND OIL LEAKING FROM UNIONS ON OIL SYSTEM. FITTERS NEED TO INSTALL NEW UNIONS ON ALL FITTINGS SO WE DON'T	12/13/85
852428	AE-3	REMOVE TRANSFER TUBE FLANGE PER MP-AE-3-1.	AS PER MAINTENANCE ORDER	10/30/85
852429	AE-3	INSTALL TRANSFER TUBE FLANGE PER MP-AE-3-2.	PER MP-AE-3 COMPLETED ST-CONT-2 AND FOUND LEAKAG E AT 2100 CC/MIN, OI#2238 INCLUDED W	12/05/85
852452	RC-2A	REMOVE RC-2A PRIMARY MANWAY COVERS PER MP-RC-2-1-A.	COMPLETED AS PROCEDURE	10/23/85
852464	RC-3A	UNCOUPLE RC-3A PUMP FROM THE MOTOR PER MP-RC-3-5-B.	WORK ACCOMPLISHED AS PER ATTACHED PR OCEDURE.	10/22/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852470	RC-3B	UNCOUPLE RC-3B PUMP FROM THE MOTOR PER MP-RC-3-5-B.	WORK ACCOMPLISHED AS PER ATTACHED PR OCEDURE	10/22/85
852477	RC-3C	UNCOUPLE RC-3C PUMP FROM THE MOTOR PER MP-RC-3-5-B.	WORK ACCOMPLISHED AS PER ATTACHED PR OCEDURE	10/22/85
852484	RC-3D	UNCOUPLE RC-3D PUMP FROM THE MOTOR PER MP-RC-3-5-B.	AS PER ATTACHED PROCEDURE	10/22/85
852487	RC-6	REMOVE REATOR VESSEL CLOSURE HEAD PER MP-RC-6-1.	WORK ACCOMPLISHED AS PER ATTACHED PR OCEDURE	10/23/85
852495	RC-6	CONNECT GREYLOC HUBS ON ICI FLANGES PER MP-RC-6-8-C.	CONNECTED GREYLOC HUBS AS PROCEDURE SUGGESTS	12/08/85
852498	RC-6	TENSION RV STUDS. USE MP-RC-6-11.	TENSIONING COMPLETED AS PER ATTACHED PROCEDURE.	12/13/85
853072	HCV-151-O	TEST VALVE HCV-151, ADJUST LIMIT SWI TCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE 112085CA PER ATTACHED PROCEDURE 123185CA NO CRAKCS FOUND - REFERENCE MO854135	12/31/85
853073	HCV-150-O	TEST VALVE HCV-150, ADJUST LIMIT SWI TCH & TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE NO CRAKCS FOUND - REFERENCE MO 85413	12/31/85
853078	HCV-265-O	TEST VALVE HCV-265, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE	12/23/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853079	HCV-268-0	TEST VALVE HCV-268, ADJUST LIMIT SWITCH AND TORQUE SWITCH ASNEEDED.	ATTACHED PROCEDURES WERE COMPLETED O N 111885 AND ON 121585. SECOND PROCE DURE WAS COMPLETED DUE TO GREASE IN	12/23/85
853081	HCV-311-0	TEST VALVE HCV-311, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRACKS FOUND-REFERENCE MO854135	01/14/86
853082	HCV-312-0	TEST VALVE HCV-312, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRACKS FOUND-REFERENCE MO854135.	01/14/86
853083	HCV-314-0	TEST VALVE HCV-314, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRAKCS FOUND - REFERENCE MO854135	01/14/86
853084	HCV-315-0	TEST VALVE HCV-315, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRAKCS FOUND - REFERENCE MO854135	01/14/86
853086	HCV-317-0	TEST VALVE HCV-317, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRACKS FOUND-REFERENCE MO854135	01/14/86
853087	HCV-318-0	TEST VALVE HCV-318, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRACKS FOUND - REFERENCE MO854135	01/04/86
853088	HCV-320-0	TEST VALVE HCV-320, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRACKS FOUND-REFERENCE MO854135	01/14/86
853089	HCV-321-0	TEST VALVE HCV-321, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRACKS FOUND - REFERENCE MO854135	01/04/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853090	HCV-327-0	TEST VALVE HCV-327, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURES. NO CRAKCS FOUND-REFERENCE MO854135	01/08/86
853092	HCV-331-0	TEST VALVE HCV-331, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE 122985 PER ATTACHED PROCEDURE 010886 NO CRACKS FOUND-REFERENCE MO854135	01/09/86
853093	HCV-333-0	TEST VALVE HCV-333, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRAKCS FOUND-REFERENCE MO 854135	01/04/86
853095	HCV-348-0	TEST VALVE HCV-348, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. NO CRACKS FOUND-REFERENCE MO854135	12/28/85
853097	HCV-383-4-0	TEST VALVE HCV-383-4, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	CYCLED VALVE. MADE NO ADJUSTMENTS OR REPAIR.	01/01/86
853098	HCV-1041C-0	TEST VALVE HCV-1041C, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE.	01/14/86
853102	HCV-1385-0	TEST VALVE HCV-1385, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE.	01/04/86
853103	HCV-1386-0	TEST VALVE HCV-1386, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE	01/04/86
853105	HCV-2914-0	TEST VALVE HCV-2914, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE NO CRACKS FOUND-REFERENCE MO 854135	01/08/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853106	HCV-2934-O	TEST VALVE HCV-2934, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE NO CRACKS FOUND-REFERENCE MO 854135	01/08/86
853107	HCV-2954-O	TEST VALVE HCV-2954, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE NO CRACKS FOUND-REFERENCE MO 854135	01/08/86
853108	HCV-2974-O	TEST VALVE HCV-2974, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE NO CRACKS FOUND-REFERENCE MO 854135	01/08/86
853109	LCV-218-2-O	TEST VALVE LCV-218-2, ADJUST LIMIT SWITCH AND TORQUE SWITCH AS NEEDED.	PER ATTACHED PROCEDURE. REPLACED JUMPER REMOVED ON MO 204.	01/04/86
853205	E-11	REMOVE CE'S EDDY CURRENT BLIND FLANGE AND CABLES AND INSTALL BLIND FLANGES ON E-11		11/18/85
853457	HCV-1041C	REPACK DURING REFUELING OUTAGE.USE JOHN CRANE 187I PACKING		10/25/85
853458	HCV-1042C	REPACK DURING REFUELING OUTAGE. USE JOHN CRANE 187I PACKING		10/25/85
853512	HE-1	REPLACE ELECTRIC POLAR FEED RAIL ON HE-1.	COMPLETED PER PROCEDURE MONTHLY INSPECTION WAS COMPLETED	11/20/85
853528	HCV-1041C-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFI ED LIFE AS PER QL TASKSHEET 8404402	PERFORMED ATTACHED PROCEDURE-COPY OF COMPLETED SURVEILLANCE TEST IS ATTA CHED.	01/10/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853601	VA-3B	RESET BLADE PITCH FOLLOWING ILRT PER MP-VA-3	COMPLETED TASK AS PER ATTACHED PROCEDURE.	10/15/85
853616	HSS	FOR REPAIR OF BERGAN PATTERSON HSS CYLINDERS PER MP-HSS-BP-1 FOUND DEFECTIVE IN SURVEILLANCE	REBUILD 75 SKIP SNUBBERS,9 10KP SNUBBERS AND 2 20 KP SNUBBERS AS PER PROCEDURE.	12/20/85
853626	RC-10-7	LEAKING AT AUTOCLAVES ORIGINAL CONTAMINATED	INSTALLED NEW GASKET PER ATTACHED PROCEDURE.	01/10/86
853628	SI-222	LEAKING	REBUILT VALVE AND REINSTALLED	12/29/85
853737	RC	DISCONNECT, TROUBLESHOOT, AND REPAIR AS REQUIRED THE MI CABLE AND ASSOCIATED CONNECTIONS THAT GO TO THE HJTC	ATTACHED PROCEDURE COMPLETED UP TO GSE EVALUATION ON 10-18-85. GSE RESULTS AND RESOLUTIONS ARE GIVE	10/24/85
853740	HCV-329-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404431	REPLACED GREASE UNDER MO857546 REP LIMIT SWITCH GASKET DGD 120485 COMP ATTACHED PROCEDURE A COPY OF COMP	01/10/86
853742	HCV-333-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404433.	CHANGED GREASE MOBIL 28 UNDER MO 854311.	01/10/86
853743	HCV-1042C-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404403	COMPLETED PER SP-MOV-1 COPY OF DOMPLETED SURV TEST IS ATTACHED	10/17/85
853744	HCV-1384-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404404	COPY OF COMPLETED SURVEILLANCE TEST IS ATTACHED.	01/10/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853750	MS-325	HAD A BODY TO BONNET LEAK DURING THE POWER OPERATIONS AND MUST BE REPLACED	SEE ATTACHED PROCEDURE	01/10/86
853972	RC	REMOVE INS. FROM WELDS 5,6,7 AND 8 AS SHOWN ON DRAWING A-15,OPPD FILE NUMBER 23353.FOR 1985 ISI,CLEAN EX-	REMOVED INSULATION FROM WELDS 5,6,7, 8 REINSULATED WELDS 5,6,7,8	10/30/85
853982	SG-A1	SG-A1 WAS FOUND TO BE LEAKING WHILE PERFORMING ST-HSS-5. REMOVE SNUBBER AND REPLACE SEALS.	REPLACED FRONT PISTON AND SEALS.SNUB BER WAS COMPLETELY REBIULT AND TESTE D IN 1983 OUTAGE.MAINT.PROCEDURE ATT	12/26/85
853983	SG-A2	SG-A2 WAS FOUND TO BE LEAKING WHILE PERFORMING ST-HSS-5. REMOVE SNUBBER AND REPLACE SEALS.	REPLACED FRONT PISTON ROD SEALS.SNUB BER WAS COMPLETELY REBUILT SND TESTE D IN 1983 OUTAGE.MAINT.PROCEDURE ATT	12/26/85
853985	SG-B1	RE-INSTALL SG-B1 AFTER TESTING AND REBUILD BY OFFSITE VENDOR.	REINSTALLED SNUBBER	12/26/85
854000	RC-7	DISCONNECT HJTC FLANGE AND INSTALL BULLET NOSES	DISCONNECT HJTC FLAMES AND INSTALLED BULLET NOSES PER MP-RC-10-2-B-1	10/21/85
854044	AI-RPS	ON B CHANNEL OF THE RPS,THE UPPER POT ON MODULE H OF THE TMLP CALCULAT OR DOES NOT LOCK.		11/30/85
854047	AI-RPS	WHILE PERFORMING THE TMLP CP AN ASGT TRIP OCCURRED WHILE H MODULE WAS WITHDRAWN FROM ITS RAIL.		11/30/85
854076	VA-7D	ONE HUB COVER BOLT WILL NOT GO BACK INTO THE BOLT HOLE IN THE HUB. REFERENCE MO-853599	TAPPED AND INSTALLED NEW BOLT. RETUR N TO SERVICE. SEE MO#857434 FOR ADDI TIONAL DETAILS.	10/26/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854100	LT-2924Y	POWER SUPPLY VOLTAGE READING 60 VOLT AND HAS EXCESS AC RIPPLE. POWER SUP PLY SHOULD BE RECONDITIONED TO SPECS	REPLACED R211 AND FILTER CAPACITOR ADJUST OUTPUT TO 52.5VDC PER GE/MAC MANUAL	10/21/85
854160	PRESSURIZER	REMOVE INSULATION AS SHOWN IN THE ATTACHED FIGURES A15 AND A17. CONTACT GREG KRIESER BEFORE STARTING	REMOVED INSULATION AS SHOWN ON FIG A 15.	10/22/85
854171	LT-101Y	LI-101Y IN AI-185 HAS BEEN DAMAGED BY DRIVEING TO THE UPPER AND LOWER LIMITS.		11/21/85
854213	HCV-1041C-0	WHILE PERFORMING SP-MOV-1 ON HCV-104 1C, THE TORQUE SWITCH WAS FOUND TO B E IN NEED OF REPAIR.	REPLACED TORQUE SWITCH MP-MOV-3 WAS PERFORMED ON MO 853098.	01/10/86
854227	LCV-101-1	CLEAN LCV-101-1, REMOVE BORIC ACID A ND CORROSION FROM BOLTS AND BONNET A ND INSPECT FOR VALVE STEM LEAKAGE.	CLEANED AS PER MO.VALVE NOT PRESSURI ZED CAN'T FIND LEAKAGE WHERE THERE I S NO WATER.	10/29/85
854228	LCV-101-2	CLEAN LCV-101-2, REMOVE BORIC ACID A ND CORROSION FROM BOLTS AND BONNET. REPORT COMPLETION OF WORK TO GREG	CLEANED AS PER MO.NO WATER NO LEAKAG E	10/29/85
854265	AI-RPS	WHILE PERFORMING ST-RPS-1, F.3, STEP 62 THE UPPER SUBCHANNEL METER DRIVES PAST 200 % POWER IN CALIBRATE.	CALIBRATED METERS IN CALIBRATE POSIT ION.DID APPLICABLE PORTION OF ST-RPS -B F.1	10/26/85
854277	DG	B_PHASE AMP METER DOES NOT CAL	STRAIGHTENED POINTER ARM.PERFORMED C P FOLLOWING REPAIR.	10/25/85
854311	HCV-333	FOUND OLD GREASE IN LIMIT SWITCH. NEEDS TO BE CHANGED PER SP-MOV-1.	CHANGED GREASE IN LIMIT SWITCH. SEE MO 853742 FOR SP-MOV-1.	01/10/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854361	HCV-315	HCV-315 HAS PACKING LEAK	TIGHTENED PACKING. ORIGINAL LEAK APPEARED TO BE MINIMAL. FOUND NO FUTHER LEAKS.	10/29/85
854371	DG	INSPECT BUBBLER SYSTEM FOR FUEL OIL SYSTEM WHEN TANK IS DRAINED FOR ANNU AL INSPECTION.	INSPECTED DIP TUBES AND NO VISIBLE D AMAGE.APPEARS NORMAL.	11/04/85
854454	FH-1	HOIST BOX LATCH CATCHES WHEN IT SHOU LD BE OUT OF THE WAY.	WORK COMPLETED 103085.SPACERS WERE A DDED TO SPRING LATCH TO TAKE UP SLAC K DUE TO BENT ARM SUPPORT.	10/30/85
854476	HCV-150-O	GREASE IN LIMITORQUE LIMIT SWITCH REQUIRES REPLACEMENT. THIS WAS FOUND WHILE PERFORMING SP-MOV-1.	PERFORMED WORK PER ATTACHED PROCEDUR	12/03/85
854503	HCV-151	DURING REMOVAL OF THE LIMITORQUE OPERATOR, THE LIMIT SWITCH BRACKETS WHERE SUPPOSEDLY BROKEN OFF. NEED	SPLICED MOTOR WIRES USING BUTT SPLIC ES AND RAYCHEM. REPLACE GEARED LIMIT SWITCH WIRED AND RETURNED TO MOVAT	11/24/85
854510	RC-10-13	AUTOCLAVE ON NO. 13 CEDM IS LEAKING NEED TO REPLACE THE GASKET		01/10/86
854518	HCV-1042A	THE TWO GANGED LIMIT SWITCHES ARE BROKEN NEED TO REPLACE.		12/16/85
854539	MS	GREASE HARD ON HCV-1385 PER SP-MOV-1.	REMOVED OLD GREASE AND REFILLED WITH MOBIL 28 FILLED OUT FC-198	11/02/85
854540	HCV-1386	HARD GREASE IN HCV-1386 PER SP-MOV-1.	REMOVED OLD GREASE AND REPLACED WITH MOBIL 28 FILLED OUT FC-198	11/04/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854702	HCV-2954-O	GREASE WAS FOUND TO BE LOW WHILE PERFORMING SP-MOV-1.	ADDED APPR.7 OZ. MOBIL 28 TO THE 2 S WITCHES.	11/09/85
854855	HCV-2934-O	BROKEN EDGE ON GEARED LIMIT SWITCH CARTRIDGE ASSEMBLY. CLEAN MOTOR LEADS AND RETAPE.	INSTALLED GEARED LIMIT SWITCH CARTRIDGE.MOTOR LEADS LATER SPLICED WITH RAYCHEM SLEEVES ON MR FC-85-220	01/10/86
854856	HCV-2974-O	INSUFFICIENT AMOUNT OF GREASE FOUND IN GEARED LIMIT SWITCH HOUSING FOUND WHILE PERFORMING SP-MOV-1.	ADD MOBIL 28 GREASE TO BOTH LIMIT SWITCH GEAR HOUSINGS NEED 2 NEW END GASKETS 111285 D. KOVAR	01/10/86
857014	VCV-1045A	REBUILD REGULATOR ON THE ABOVE VALVE.	AIR REGULATOR REMOVED, REBUILT, AND RETURNED TO SERVICE. AIR REGULATOR NOT CQE.	11/19/85
857015	VCV-1045B	REBUILD THE REGULATOR FOR THE ABOVE VALVE.	AIR REGULATOR REMOVED,REBUILT, AND RETURNED TO SERVICE. AIR REGULATOIN NOT CQE.	11/19/85
857041	HCV-1384-M	GREASE IS LOW IN MAIN GEAR CASE. NEED GREASE ADDED.	ADDED GREASE. SURVEILLANCE TEST WAS PERFORMED AS PART OF SP-MOV-1 ON MO 853744.	01/16/86
857112	AI-RPS	PERFORM MP-RPS-BREAKER-1		12/23/85
857113	AI-RPS	PERFORM MP-RPS-M-CONTACTOR		12/23/85
857168	HCV-1042C	THE PACKING FOLLOWER ON HCV-1042C IS INSTALLED UPSIDE DOWN. THIS HAS CAUSED THE STUDS TO BECOME BENT.	DISASSEMBLED VALVE AND TURN PACKING GLAND RETAINER OVER AND REASSEMBLED VALVE AS PER PROCEDURE.	12/28/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857193	LIA-906V	LOW ALARM LIGHT IS IN-OP, BUT ALARM DOES FUNCTION.	FOUND LOOSE SOLDER CONNECTION, REPLACED FILTER CAPACITOR, CHECKED PER CP-1102 MAINT DONE UNDER MP-SIGMA-1	11/22/85
857220	AI-ESF	FUNCTIONALLY TEST LOADSHED CHANNEL B	SEE ATTACHED PROCEDURE	12/06/85
857252	HCV-314-M	WHILE PERFORMING SP-MOV-1 ON HCV-314 FOUND QUESTIONABLE MEGGER READING ON MOTOR.	SPLICED MOTOR LEADS TOGETHER-RAYCHEM COVERED MEGGERED. O.K. AFTER REPAIR S. F.P. 112385. FOLLOWED PROCEDURE G	11/23/85
857295	HCV-321-O	WHILE PERFORMING SP-MOV-1 FOUND GREASE IN LIMIT SWITCH GEAR BOX TO BE BAD.ALSO GREASE IN MAIN GEAR CASE	ADDED 200Z OF MARFAK TEXACO #2RS-112385 CLEANED OUT OLD GREASE INST MOBIL 28 GR INST 2 GASK ON LIMIT SWITCH	01/10/86
857434	VA-7D	REPLACE BOLTS THAT DO NOT HAVE LOCK WIRE HOLES.	REPLACED ALL 8 BOLTS AND TIE WIRED PER INSTRUCTIONS.	12/12/85
857435	HVC-8848	VALVE HVC-8848, EARTH QUAKE SUPPORT IS MISSING BETWEEN THE WALL AND THE VALVE.	INSTALLED 54" OF CQE 3/8" AS PER DET WORK INSTRUCTIONS.	12/05/85
857461	RC-4	WHILE PERFORMING MP-RC-4 FOUND HEATER F2 ON BANK P2 GROUP 7 GROUNDED. SUGGEST RECHECKING AFTER HEATUP .		01/06/86
857481	EE	INSPECT EEQ TERMINAL BLOCKS PER ATTACHED PROCEDURE TO DETERMINE CONDITION OF RTV SEALANT. SEE		01/02/86
857532	RC	LM 114A DOES NOT WORK PROPERLY	REPLACED BAD ISOLATOR WITH SPARE TAKEN OUT OF SERVICE.CAL'ED AS PER CP-114A-W,X,Y,Z.THIS IS NOT A CQE ITEM.	12/06/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUT. E (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857546	HCV-329	LIMITORQUE LIMIT SWITCH GREASE REQUIRES REPLACEMENT. THIS WAS FOUND WHILE PERFORMING SP-MOV-1.	REPLACED LIMIT SWITCH GEAR HOUSING GREASE TAGGED UNDER MJ853740 SUR TEST WAS PERFORMED ON MO853740 FOLL	01/10/86
857561	VE-116	TRANSPORT FAILED HEATED JUNCTION THERMOCOUPLE FROM THE REFUELING CAVITY TO THE SPENT FUEL POOL.	TRANSPORT FAILED HVTC FROM CAVITY.BROKE MOVED TO HOT SHOP.	12/13/85
857693	RC	LIST ALL FOXBORO N-SERIES TRANSMITTERS AND DOCUMENT THE FACT THAT AN O-RING WAS INSTALLED AND THE CAP	REPLACED O-RINGS ON ALL TRANSMITTERS &TORQUED CAPS TO 40FTLBS.SEE ATTACHED LOG.O-RINGS REPLACED IN CONJUNCTIO	01/10/86
857700	FI-102-1	NOISE IS BEING INDUCED IN THE VALVE FLOW CHANNELS BY THE UPPER CHASSIS OF "B" QSPDS.	RECONNECTED WIRES AND RAYCHEMED ELECTRICIANS ISOLATED GROUNDS & PERFORMED CP TO VERIFY OPERABILITY.	01/02/86
857724	RC	INSTALL THE HJTC STORED IN THE NORTH PROBE HOLDER IN HOUSING #11 AS PER MP-HJTC-2.	PERFORMED MP-HJTC-2 STORED-HJTC ADAPTER FLANGES IN I&C TOOL BOX.	12/13/85
857753	RC-3B-M	COOLING WATER HEAT EXCHANGER END FLANGE LEAKING CCW NEED FOR RC MOTOR RUN-INEAST WALL	TIGHTENED FLANGE TO STOP LEAKING.	11/12/85
857784	RC-10-7	HJTC PRESSURE BOUNDRY GRAYLOC FLANGE ASSEMBLY PER MP-RC-10-2-A	VENTED HJTC & REPLACED O-RING AND TORQUED PER PRC.RC-10-2-A-1.REPLACED HJTC GREYLOK ASSEMBLY PER RC-10-2-A-	12/21/85
857817	HCV-1041A	LIMIT SWITCH FOR CLOSE INDICATIONDOES NOT FUNCTION.		12/18/85
857826	CH-183	VALVE HAS BORIC ACID BUILDUP ON THE OUTSIDE OF THE VALVE AND PROBABLY EITHER LEAKS BY OR LEAKS OUT OF THE	REBUILT VALVE ACCORDING TO PROCEDURE 1EA FLEX GASKET 1 1/2"2500 05.6042 1 EA FLEX GASKET 2"300 05.6046	01/03/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857862	FE-498	REMOVE MINOR SURFACE INDICATIONS FRO M TWO WELDS UNDER THE DIRECTION OF Q C. QC TO PERFORM PT FOLLOWING WELD	FILED UNDERCUT AS DIRECTEDCLEANED UP WELD AREA FOR PT.COMPLETED PT ON ABO VE TWO WELDS.BOTH ACCEPTABLE.	12/20/85
857878	AI-NI	C CHANNEL VOPT MARGIN METER 0-40% IS READING FULL SCALE. NEED TO INVESTIGATETHIS PROBLEM.	PERFORMED CP-RPS-VOPT-C & ST-RPS-1(F .3)122786 AND COULD NOT DUPLICATE ME TER PROBLEM.	12/27/85
857887	FE-498	TIGHTEN FLANGE BOLTS TO 60 LB-FT. QC TO WITNESS. SEE ALSO MO 857862	TORQUE NUTS ON FLANGE TO 60 FT.LBS. AS PER INSTRUCTIONS.	12/19/85
857965	EE	CLEAN UP DISCREPENCIES ON CABLE ROUT ING IN THE CABLE SPREAD ROOM. SEE REX COEN FOR DETAILS. REF DR-85-98.		01/01/86
857989	AE-3	INSTALL TRANSFER TUBE FLANGE PER MP-AE-3-2	COMPLETED AS PER PROCEDURE.INSTALLED 2 NEW O-RINGS."O" LEAKAGE	12/24/85
858039	HCV-348-O	WHILE PERFORMING SP-MOV-1 FOUND LIMIT SWITCH GREASE TO BE BAD.	CHARGED OUT GREASE IN HCV-348 LIMIT SWITCH REPLACED GASKETS REINSTALL LIMIT SWITCH	12/29/85
858042	MS	REPACKS NEEDED ON MS-336 AND MS-337. FW-10 STEAM LINE WARMUP VALVES.	REPACKED AS REQUESTED	12/27/85
858087	HCV-400C	SOLENOID VALVE IS LEAKING THROUGH CAUSING BUTTERFLY TO MALFUNCTION.		01/03/86
858142	RC-167	INSTALL BLANK FLANGE WITH NEW FLEX G ASKET ON VENT FLANGE DOWNSTREAM OF RC-167WHEN OPS ALLOWS IT	REPLACED FLANGE WITH NEW GASKET	01/03/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
858164	PCV-742A	ONE OR BOTH VALVES,PCV-742A OR B LEAKED EXCESSIVLEY DURING LEAK TEST.	RESET VALVE SEAT TO GET AN ACCEPTABLE LEAK RATE.I&C VERIFIED AT 650 SCCM	12/31/85
858189	HCV-348	WHILE PERFORMING MR-FC-85-220 VALVE WOULD NOT CYCLE PROPERLY.		01/03/86
858199	HCV-348	PERFORM MOVATS FOLLOWING REWIRING OF LIMITORQUE OPERATOR.	PERFORMED ATTACHED PROCEDURE.	01/16/86
860020	C/LT-911	C/LT-911 READS 60 PERCENT WITH SG FULL		01/05/86
860024	HCV-151	TIGHTEN PACKING AND FITTING LEAKS AS REQUIRED DURING THE RCS HOT HYDRO AND NOTE VALVE AND INSTRUMENT	TIGHTENED PACKING AND LEAKS AS NECESSARY ON ATTACHED SHEET.	01/06/86
860051	RC-114	SWAGLOCK FITTING DOWN STREAM OF RC-114 IS LEAKING.		01/04/86
860063	SI	INSTALL A PRESSURE GUAGE ON ONE OF THE FLOW TRANSMITTERS ON THE CONTAINMENT SPRAY HEADER.		01/04/86
860109	M-45	LEAK RATE WAS FOUND AT 3700 SCCM. THIS IS NOT ACCEPTABLE. THESE VALVES CAN BE REPAIRED IF MANUAL ISOLATION		01/07/86
860187	MS-292-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.		01/10/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
860188	MS-291-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.		01/10/86
860194	VA-3A	PM-EE-12 MUST BE PERFORMED ON VA-3A TO MAINTAIN QUALIFIED LIFE.	MO USED TO TRACK PM-EE-12 AND QL SHEET 8600558	01/11/86
860195	VA-3B	PM-EE-12 MUST BE PERFORMED ON VA-3B TO MAINTAIN QUALIFIED LIFE.	MO USED TO TRACK PM-EE-12 AND QL SHEET 8600559	01/11/86
860197	VA-7D	PM-EE-12 MUST BE PERFORMED ON VA-7D TO MAINTAIN QUALIFIED LIFE.	MO USED TO TRACK PM-EE-12 AND QL SHEETS 8600562	01/11/86
860207	EE	TROUBLESHOOT TO DETERMINE SOLUTION T O LOAD CYCLING ON INVERTERS.	PREFORMED ATTACHED PROCEDURE.	01/11/86
860232	VA-81A	INSTALL ZIRC FITTING AND DRAIN PLUG ON VA-81A.		01/11/86
860233	VA-81B	INSTALL ZIRC FITTING AND DRAIN PLUG ON VA-81B.		01/11/86
860274	EE-8H	TEST INVERTER D TO DETERMINE IF IT WILL FORWARD TRANSFER.	TRANSFERRED FROM BYPASS TO INVERTER PER OI-EE-4 WITH BYPASS TRANSFORMER ENERGIZED INVERTER FUSE BLEW UPON T	01/16/86
867000	EE-22-A30	ROD 30 WILL NOT RAISE OR LOWER IN MI OR MG.	APPEARS TO BE AN OPEN IN THE Z5-1 & Z5-2 CEDM LIMIT CIRCUIT-REPLACED CED M CABLE BETWEEN PATCH PANEL AND ROD	01/06/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
867003	EE-22-224	CONTROL ROD 24 WILL RAISE BUT NOT LOWER.	FOUND MECHANICAL INTERLOCK FOR RAISE /LOWER RELAYS STUCK. REPLACED RELAY/ INTERLOCK ASSY. TESTED FOR PROPER OP	01/05/86
867004	EE-22-227	ROD 27 WILL NOT DRIVE ON SYCRO UP SIGNAL & DOWN SIGNAL INDICATE ON CONTROL BOARD.	FOUND A BLOWN FUSE AND SHORTED RECTIFIER,REPLACED FUSE AND RECTIFIER. TESTED FOR PROPER OPERATION.	01/05/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
830171	AC-285	AC-285 JUST SOUTH OF VA-7B FAN HOUSI NG LEAKS CCW ON 1045 FLOOR. REPLACE M.O. 19764	LAPPED IN VALVE DISC AND SEAT .007 SEAT.	11/21/85
840353	HCV-1385-0	SEALTITE GOING TO HCV-1385 IS DAMAGE D AND INTERNAL CABLE POSSIBLY DAMAGE D DUE TO CONTACT WITH AN UN-INSULATE	UNWIRED,REPLACED SEALTITE AND REWIRE D.PROVED OPERABILITY. 121285	12/12/85
841975	RC-10	REPAIR (WELD) THE CEDM LOWER DUCT- WORK. SEE ROGER FRAKEN FOR MORE DETAIL.	SKIP WELD FLANGES ON LOWER SOUTH EAS T AND SOUTH WEST DUCT WORK THAT BELT S TO RC HEAD	12/13/85
842743	HCV-2500	ONE OR MORE OF HCV-2500/2501/2502/25 03 AND HCV-2504A/B ARE LEAKING BY, C AUSING PRESSURE TO SLOWLY BUILD UP O	VOID - INDIVIDUAL MAINTENANCE ORDERS WILL BE WRITTEN KAM 100185	10/08/85
843828	PT-115	PT-115 OR PT-118 - ONE OR BOTH OF TH E ABOVE LOOPS IS CAUSING THE S/D CLG VALVES HCV-347 & HCV-348 TO CLOSE WA	CALIBRATED LOOPS 115&118 AND FOUND R ELAYS ON BOTH LOOPS TO BE WITHIN SPE CS.SETPOINT 235PSI.PERFORMED ST-SDC-	11/20/85
843828	PT-118	ONE OR BOTH OF THE ABOVE LOOPS IS CA USING THE S/D CLG VALVES HCV-347 AND HCV-348 TO CLOSE WAY BEFORE THE SET	CALIBRATED LOOPS 115&118 AND FOUND R ELAYS ON BOTH LOOPS TO BE WITHIN SPE CIFICATIONS. SETPOINT 235PSI. ALSO P	11/20/85
843847	TIC-732B	INDICATOR DROPPED FROM 88 DEGREES TO LESS THAN 50 DEGREES (OFF SCALE LOW) IN AN 8 HOUR PERIOD. NO OTHER DE-	RTD HAS OPEN LEAD, NO ALARM FUNCTION WHILE PERFORMING GP 732B. BAD RTD, NOT REPAIRABLE, RTD BURIED	11/08/85
845001	RC-1	NORTH ALIGNMENT PIN HAD WATER RUN OU T OF IT WHEN REMOVED. NEED TO CHECK PLUGS AND OTHER POSSIBLE PATHS OF	PLUG WAS LOOSE	10/22/85
845102	TCV-2897A	THE FLOW IS FLUCTUATING.	CALIBRATION PROCEDURE WAS PERFORMED FOR TEMP.INDICATION AS PER CP-2897. WITNESSED OPERATION OF VALVE.OPERATE	12/17/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
845121	HCV-176	VALVE LEAKS BY. 1985 OUTAGE JOB. MAY BE DESIRABLE TO HAVE A SITE REPRESENTATIVE ON SITE PRIOR TO	MAIN DISC AND PILOT DISC REPLACED. SATACK UP AND MAIN DISC LIFT MEASURE MENTS MADE.MAIN SEAT AND PILOT SEAT	12/10/85
845122	HCV-177	VALVE LEAKS BY. 1985 OUTAGE JOB. MAY BE DESIRABLE TO HAVE A FIELD REPRESENTATIVE ON SITE PRIOR TO	MAIN DISC AND PILOT DISC REPLACED. STACK UP AND MAIN DISC LIFT MEASUREM ENT TAKEN.MAIN SEAT LAPPED AND PILOT	12/12/85
845123	HCV-178	VALVE LEAKS BY. 1985 OUTAGE JOB. MAY BE DESIRABLE TO HAVE A FIELD REPRESENTATIVE ON SITE PRIOR TO	MAIN DISC AND PILOT DISC REPLACED.ST ACK UP AND MAIN DISC LIFT MEASUREMEN TS TAKEN.MAIN SEAT AND PILOT SEAT LA	12/10/85
845124	HCV-179	VALVE LEAKS BY. 1985 OUTAGE JOB. MAY BE DESIRABLE TO HAVE A FIELD REPRESENTATIVE ON SITE PRIOR TO	MAIN DISC AND PILOT DISC REPLACED.ST ACK UP AND MAIN DISC LIFT MEASUREMEN TS TAKEN.MAIN SEAT AND PILOT SEAT LA	12/10/85
845131	HCV-335	BORIC ACID IS EATING AWAY AT THE STUDS HOLDING THE VALVE IN PLACE.	CHANGED STUDS WHEN VALVE WAS CHANGED OUT 113085	12/02/85
845156	HCV-1107A	WIRE NO HCV-1107A-R OF CABLE EA14614 IS LANDED ON TERMINAL E-23 IN PANEL AI-43A. SHOULD BE ON E-24	LIFTED WIRE WHICH WAS INCORRECTLY LA BLED HCV-1107A-G ON TB E-23,RELABLED HCV-1107A-R AND RELANDED ON TB-E-24	11/08/85
845258	HCV-1041A	INSPECT VALVE INTERNALS DURING NEXT REFUELING OUTAGE. (REF. SER 63-84).	WORK COMPLETED AS PER PROCEDURE	10/22/85
845259	HCV-1041B	INSPECT VALVE INTERNALS DURING NEXT REFUELING OUTAGE. (REF. SER 64-84).	INSPECTED VALVE AS PER MP-MSIV-1	10/25/85
845260	HCV-1042A	INSPECT VALVE INTERNALS DURING NEXT REFUELING OUTAGE. (REF. SER 64-84).	INSPECTED VALVE, REPLACED GASKETS AN D REPACKED VALVES.	11/01/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
845261	HCV-1042B	INSPECT VALVE INTERNALS DURING NEXT REFUELING OUTAGE. (REF. SER 64-84).	REBUILT VALVE AS PER MP-MSIV-1	10/31/85
850302	RC-4	REMOVE INSUL. AROUND PRL-1 AS SHOWN ON OPPD DRAWING/FILE 23341. REMOVE AT LEAST AN 18" RADIUS AROUND NOZZLE	REMOVED INSULATION AROUND PRL-1 AND PSL-1 AND WELDS 4 AND 5 REINSULATED THE ABOVE AREAS.	10/31/85
850305	RC-4	REMOVE INSULATION AROUND PSL-10 AS SHOWN ON DRAWING/FILE 23341. MUST RE MOVE AT LEAST 18" RADIUS AROUND NOZZ	REMOVED INSULATION FROM WELDS 1&2 CLEANED AS PER INSTRUCTIONS,REINSULA TED WELDS 1&2	12/16/85
850306	RC-4	REMOVE INSUL. AROUND PRESSURIZER MAN -WAY AS SHOWN ON OPPD DRAWING/FILE 23341. NEEDED FOR 1985 NUCLEAR ISI	REMOVED INSULATION FROM PRESSURIZER MANWAY.REINSULATTED PRESSURIZER MANW AY	10/22/85
850307	RC-2A	REMOVE INSUL. AROUND WELD 1-C-2 AS SHOWN ON OPPD DRAWING/FILE 23342 WITH AT LEAST 18" CLEARANCE EITHER	REMOVED INSULATION AROUND 1-C-2 REINSTALLED AFTER INSPECTION	01/03/86
850308	RC-2A	REMOVE INSUL. AROUND WELD 1-N-5 AS SHOWN ON OPPD DRAWING/FILE 23342. AT LEAST 18" CLEARANCE NEEDED EITHER SI	INSULATION REMOVED.REINSULATED WELD HV-5	11/13/85
850318	RC-2B	REMOVE INSUL. FROM AROUND WELDS 2-C- 1 & 2-C-2, AS ON OPPD DRAWING/FILE 23343.MUST REMOVE 18" EITHER SIDE OF	REMOVED INSULATION FROM AROUND WELD 2-C-1&2-C-2.REINSULATED WELD PER ABO VE.	01/03/86
850319	RC-2B	REMOVE INSULATION FROM AROUND PRI- MARY MANWAY, AS SHOWN ON OPPD DWNNG/ FILE 23343. NEEDED FOR BOLTING INSP.	REMOVE INSULATION FROM MANWAY	01/03/86
850320	CH-6	REMOVE INSUL. FROM AROUND WELDS 6&8 ON THE REGEN. HX, AS SHOWN ON OPPD DWNG/FILE NO.23344.REMOVE AT LEAST	REMOVED INSULATION AROUND WELDS 6&8 ON THE REGEN HX.REINS.AROUND WELDS 6 &8 ON REGEN HX(USED ORIGINAL MATERIA	11/05/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
850338	RC-1	REMOVE INSULATION TO ALLOW ACCESS TO WELD 26B AS SHOWN ON OPPD DRAWING/ FILE 23345. NEEDED FOR 1985 NUCLEAR	CLEANED 26B.REMOVE INS. AROUND 26B. REINSULATED AROUND 26B.	11/16/85
850339	RC	REMOVE INSULATION AROUND VLV RC-128 TO ALLOW ACCESS FOR 1985 NUCLEAR ISI SEE OPPD DRAWING/FILE 23348 FOR DETA	REMOVED INSULATION AROUND VLC-RC-128 REINSULATED AROUND VLV-RC-128	11/01/85
850349	RC-128	REMOVE INSULATION TO ALLOW ACCESS TO WELDS 4 & 5 ON VALVE RC-124 FOR 1985 NUCLEAR ISI. SEE OPPD DRAWING/FILE	INSULATION REMOVED FOR ISI.NEW PIPE AND VALVE INSULAITION MADE AND REINS ULATED.	11/05/85
850353	RC-4	REMOVE INSULATION FROM AROUND WELD 7 & SUPPORT 150-PR (VALVE HCV-150) AS SHWN ON OPPD DWNG/FILE 23358. NEEDED	REINSULATED AROUND WELD 7 AND SUPPOR T 150-PR (VALVE HCV-150)	11/20/85
850354	RC-4	REMOVE INSULATION FROM AROUND WELD 2-AS-1/1A AS SHOWN ON OPPD DWNG/FILE NO.23359. NEEDED FOR 1985 NUCLEAR	REMOVED INSULATION FROM AROUND WELD 2-AS-1/1A.REINSULATED AROUND WELD. REPLACED WITH SAME AS REMOVED	10/23/85
850410	RC	NEED INSULATION REMOVAL AROUND SI-197 FOR 1985 INSERVICE INSPECTION. SEE OPPD FILE/DRAWING NUMBER 23367.	REMOVED INSULATION AROUND SI 197.REI NSULATED AROUND SI-197	10/23/85
850412	SI-201	REMOVE INSULATION AROUND SI-201 TO ALLOW ACCESS TO PERFORM 1985 NUCLEAR ISI.SEE OPPD FILE/DRAWING NUMBER	REMOVED INS.AROUND SI-201.REINS.AROU ND SI-201.USED MOSTLY ORIGINAL MATER IALS.	11/05/85
850413	RC	REMOVE INSULATION AROUND SI-204 FOR 1985 NUCLEAR ISI. SEE OPPD FILE/DRAWING NUMBER 23377.FOR	REMOVED INS.AROUND SI-204.REINS.AROU ND SI-204.USED MOSTLY ORIGINAL MATER IALS.	11/05/85
850414	RC	REMOVE INSUL. FROM AROUND 238-PR-2, HCV-238 & CH-345. SEE OPPD FILE/DWG 23381 FOR DETAILS. UNDER SG A,IN BIO	INSULATION REMOVED AND REINSULATED A FTER ISI.	10/31/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
850415	RC	REMOVE INSULATION FROM AROUND 11-PR, 7-PR AND WELD NUMBER 7 AS SHOWN IN OPPD FILE/DRAWING 23381. NEEDED FOR	REMOVED INSULATION FOR NUCLEAR ISI, ALL INSULATION HAS BEEN REPLACED	11/02/85
850416	RC	REMOVE INSULATION AROUND 1-PR AND 7-PR AS SHOWN ON OPPD FILE/DRAWING NUMBER 23382. FOR 1985 NUCLEAR ISI,	INSULATION REMOVED FOR ISI AND REINS ULATED.	10/24/85
850418	RC	REMOVE INSULATION AROUND VALVES CH-260,CH-340,LCV-101-1 & 2. SEE OPPD FILE 23384. LOCATED OUTSIDE RHX RM.	REINSULATED VALVES CH-260,CH-340,LCV -1001-1,LCV-101-2 AND ASSORTED PIPIN G.REPLACED ALL METAL ON INSULATION.	12/16/85
850438	RC-2A	REMOVE AND REINSTALL INSULATION AROU ND UPPER SHELL TO HEAD WELD AS SHOWN ON OPPD DRAWING/FILE NO. 23386. NEED	CLEANED AS PER INSTRUCTIONS 103085 D.L.JONES	12/21/85
850439	RC-2A	INSTALL SCAFFOLDING TO ALLOW ACCESS TO THE UPPER SHELL TO HEAD WELD ON THE S.G. SEE OPPD FILE NO. 23386 FOR	SCAFFOLD BUILT PER INSTRUCTION.	10/26/85
850441	MS	REMOVE AND RE-INSTALL INSULATION AROUND 7-PR,8-PR-1,WELD 11-SW,& 11-PL-1,2,3,&4 AS SHOWN ON OPPD	REMOVED INSUL AROUND 7-PR,8-PR-1 WEL D 11-SW AND 11-PL-1 2384. CLEANED AS PER INSTRUCTIONS. 103085	12/11/85
850442	MS	INSTALL SCAFFOLDING TO ALLOW ACCESS TO PIPE SUPPORTS 7-PR AND 8-PR-1 FOR 1985 ISI. ALSO INSTALL SCAFF. NEAR	BUILT SCAFFOLD AS PER INSTR.	10/18/85
850443	MS	REMOVE INSULATION FROM AROUND WELD 15-BC-1 AS SHOWN ON OPPD FILE NUMBER 23389 FOR 1985 NU-	REMOVED INSULATION FROM AROUND WELD 15-BC-1.REINSULATED AROUND WELD 15-B C-1.	01/07/86
850445	RC-2B	REMOVE INSULATION FROM AROUND PIPE SUPP.11-PR TO ALLOW ACCESS FOR 1985 NUCLEAR ISI. RE-INSTALL AFTER ISI.	CLEANED AS PER INSTRUCTIONS.INSULATI ON AND METAL REINSTALLED.	11/26/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
850446	RC-2A	REMOVE INSULATION FROM AROUND WELD 1 AND 2-PL-1,2,3,4 FOR 1985 NUCLEAR ISI. RE-INSTALL AFTER ISI.SEE OPPD	CLEANED 2-PL-1,2,3,4.REMOVED INSUL F ROM WELDS 1 AND 2-PL-1,2,3,4,REINSUL ATED AFTER ISI EXAM.	12/07/85
850458	RC	REMOVE INSULATION AROUND 10-PR AS SH OWN IN OPPD DRAWING/FILE NO. 23401. NEEDED FOR 1985 ISI. RE-INSTALL AF-	INSULATION REMOVED REINSUL 10-PR	11/14/85
850460	AC	INSTALL SCAFFOLDING TO ALLOW ACCESS TO WELD 27 AND PIPE SUPPORT 27-PR-2 AS SHOWN ON OPPD DRAWING/FILE NO.	CLEANED AS PER WRITTEN INSTRUCTIONS. SCAFFOLD INSTALLED.	10/18/85
850868	RC-131	REPLACE SEAT RING WITH CORRECT SEAT RING, CAHNGE OUT GASKET AND REPACK.	REPLACED PARTS PER ATTACHED PROCEDUR E.	01/09/86
850869	RC-133	REPALCE SEAT RING WITH CORRECT SEAT RING, CHANGE GASKETS.	REPLACED PARTS PER ATTACHED PROCEDUR E	01/09/86
851506	HCV-1384	REPACK DURING OUTAGE.	REPACKED VALVE USED LOTS OF NEVER SEIZE AND 1871 PACKING. PERFORMED ST-ISI-FW-1 F.2 FOLLOWING	11/15/85
851670	CH-336	RECONDITION AND RETEST VALVE	REPAIRED AS PER PROCEDURE	10/24/85
851672	CH-335	RECONDITION AND RETEST VALVE	RECONDITIONED CH335 AS PER MP-RV-1 AND VERIFIED PROPER OPERATION AS PER ST-ISI-CVCS-1	01/02/86
851674	CH-329	RECONDITION AND RETEST VALVE	PER ATTACHED	10/24/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
851675	CH-327	RECONDITION AND RETEST VALVES	AS PER PROCEDURE (P. HANSEN)	10/24/85
851676	CH-331	RECONDITION AND RETEST VALVES	REPAIRED VALVE AS PER PROCEDURE (P. HANSEN)	10/24/85
851677	CH-332	RECONDITION AND RETEST VALVES	LAPPED THE SEAT AND DISC,CLEANED VALVE AND PARTS,RELUBED ALL THE THREADS AND REPAIRED AS PER PROCEDURE.	12/20/85
851678	CH-396	RECONDITION AND RETEST VALVES	LAPPED THE SEAT AND DISC,CLEANED THE VALVE AND PARTS,RELUBED ALL THE THREADS AND REPAIRED AS PER PROCEDURE.TE	12/20/85
851679	CH-334	RECONDITION AND RETEST VALVES	LAPPED THE SEAT AND DISC,CLEANED THE VALVE AND PARTS,RELUBED ALL THE THREADS,TESTED,REPAIRED AS PER PROCEDURE	12/20/85
851680	CH-333	RECONDITION AND RETEST VALVES	LAPPED THE SEAT AND DISCS,CLEANED THE VALVE AND PARTS,RELUBED ALL THREADS,USED NEW GASKETS AND REPAIRED AS P	12/20/85
851681	CH-330	RECONDITION AND RETEST VALVE	LAPPED THE SEAT AND DISC,CLEANED THE VALVE AND PARTS,RELUBED ALL THE THREADS AND REPAIRED AND TESTED AS PER P	12/20/85
851682	CH-328	RECONDITION AND RETEST VALVE	LAPPED THE SEAT AND DISC,CLEANED VALVE AND PARTS.RELUBED ALL THREADS AND REPAIRED AS PER PROCEDURE.	12/20/85
851908	HCV-2947	REPACK WITH JOHN CRANE 1871 OR EQUIVALENT WHEN THE SWIRT IS DRAINED	REPACKED VALVE WITH 16 RINGS OF 1871 8 RINGS BEFORE AND AFTER LANTERN GLAND.	01/08/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
851909	HCV-2937	REPACK HCV-2937 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED VALVE.	01/07/86
851910	HCV-2948	REPACK HCV-2948 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REMOVED OLD PACKING 7 RINGS BELOW LA NTERN GLAND AND 7 RINGS ABOVE. REPAC KED WITH CQE 187I 3/8"	11/26/85
851912	HCV-2957	REPACK HCV-2957 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED VALVE	11/02/85
851913	HCV-2967	REPACK HCV-2967 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED VALVE. NEED MO WRITTEN LIM IT SWITCH. (BROKEN)	11/05/85
851914	HCV-2977	REPACK HCV-2977 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED HCV-2977 AS INSTRUCTED.	11/04/85
851915	HCV-2928	REPACK HCV-2928 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED AND CLEANED VALVE.	11/03/85
851916	HCV-2918	REPACK HCV-2918 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED VALVE WITH 5/16 CQE PACKING ALL THE WAY TO BOTTOM 7 RINGS BELOW LEAKOFF 8 RINGS ABOVE.	11/02/85
851917	HCV-2908	REPACK HCV-2908 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED HCV-2908 VALVE WITH JOHN CR ANE 187I PACKING.	11/04/85
851918	HCV-2927	REPACK HCV-2927 WITH JOHN CRANE 187I OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED IN FRONT OF AND BEHIND OF L ANTERN GLAND 10 RINGS OF CQE 5/16 18 7I USED	10/31/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
851919	HCV-2917	REPACK HCV-2917 WITH JOHN CRANE 1871 OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED VALVE WITH CQE 1871 5/16, 6 RINGS ABOVE LEAKOFF GLAND.COULD NO T GET LANTERN GLAND OUT TO GET AT PA	11/02/85
851920	HCV-2907	REPACK HCV-2907 WITH JOHN CRANE 1871 OR EQUIV WHEN SIRWT IS DRAINED FOR R EFUELING.	REPACKED VALVE AS INSTRUCTED.	11/04/85
851971	FW-662	REPACK DURING REFUELING OUTAGE.	REPACKED VALVE.	12/07/85
852150	HCV-315-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFI ED LIFE AS REQUESTED BY QL TASKSHEET 8404425	PERFORMED WORK PER ATTACHED PROCEDUR A COPY OF COMPLETED SURVEILLANCE TES T IS ATTACHED.	01/10/86
852151	HCV-317-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFI ED LIFE AS REQUESTED BY QL TASKSHEET 8404426	PERFORMED WORK PER ATTACHED PROCEDUR A COPY OF COMPLETED SURVEILLANCE TES T IS ATTACHED.	01/10/86
852153	HCV-320-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFI ED LIFE AS REQUESTED BY QL TASKSHEET 8404428	PERFORMED SP-MOV-1 PER ATTACHED PROCEDURE A COPY OF COMPLETED SURVEILLANCE TES	01/10/86
852154	HCV-321-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFI ED LIFE AS REQUESTED BY QL TASKSHEET 8404429	PREFORMED WORK PER ATTACHED PROCEDUR A COPY OF COMPLETED SUR TEST IS ATTACHED	01/10/86
852213	27-1/S1-1	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27-1/S1-1 AND 21-1X/S1-1.	COMPLETED GROUP A AS ATTACHED PAPER	10/18/85
852213	27-1X/S1-1	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27-1/S1-1 AND 27-1X/S1-1.	COMPLETED GROUP A AS ATTACHED PAPER	10/18/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852214	27-1/S1-2	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27-1/S1-2 AND 27-1X/S1-2.	COMPLETED RELAY CHECKAND CALIBRATED PER ATTACHED PROCEDURE.	10/19/85
852215	27-1/S2-2	TEST AND CLAIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27-1X/S2-2 AND 27-1/S2-2	WORK ACCOMPLISHED PER ATTACHED PROCEDURE	10/17/85
852215	27-1X/S2-2	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27-1X/S2-2 AND 27-1/S2-2	AS PER ATTACHED PROCEDURE.	10/17/85
852216	27-1/S2-1	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27-1X/S2-1 AND 27-1/S2-1	WORK ACCOMPLISHED PER ATTACHED PROCEDURE	10/17/85
852216	27-1X/S2-1	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 27-1X/S2-1 AND 27-1/S2-1.	ACCOMPLISHED AS PER ATTACHED PROCEDURE.	10/17/85
852217	AC-A/1AD2	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS AC-B/1AD2, 27-2XB/D2, AC-A/1AD2, AND 27-1XA/D2.	CHECKED AND CALIBRATED RELAYS PER PROCEDURE.	10/16/85
852217	AC-B/1AD2	TEST AND CLAIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS AC-B/1AD2, 27-2XB/D2, AC-A/1AD2, AND 27-1XA/D2.	CHECKED AND CALIBRATED RELAYS PER PROCEDURE.	10/16/85
852217	27-1XA/D2	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS AC-B/1AD2, 27-2XB/D2, AC-A/1AD2, AND 27-1XA/D2.	CHECKED AND CALIBRATED RELAYS PER PROCEDURE.	10/16/85
852217	27-2XB/D2	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS AC-B/1AD2, 27-2XB/D2, AC-A/1AD2, AND 27-1XA/D2.	CHECKED AND CALIBRATED RELAYS PER PROCEDURE	10/16/85

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MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852218	63X/LIC-101	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 63X/LIC-101 AND 63XA/LC-101-1.	COMPLETED AS PER PROCEDURE.	11/05/85
852220	86AX1/OPLS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-A-1/LS, 94-A-2/LS, 94-A-3/LS, 94-A-4/LS, 94-	WORK COMPLETED AS PER ATTACH PROCEDU RE	10/24/85
852220	94-A-1/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-A-1/LS, 94-A-2/LS, 94-A-3/LS, 94-A-4/LS, 94-	WORK COMPLETED AS PER ATTACH PROCEDU RE.	10/24/85
852220	94-A-2/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-A-1/LS, 94-A-2/LS, 94-A-3/LS, 94-A-4/LS, 94-	WORK COMPLETED AS PER ATTACH PROCEDU RE.	10/24/85
852220	94-A-3/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-A-1/LS, 94-A-2/LS, 94-A-3/LS, 94-A-4/LS, 94-	WORK COMPLETED AS PER ATTACH PROCEDU RE.	10/24/85
852220	94-A-4/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-A-1/LS, 94-A-2/LS, 94-A-3/LS, 94-A-4/LS, 94-	WORK COMPLETED AS PER ATTACH PROCED URE	10/24/85
852220	94-A-5/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94rA-1/LS, 94-A-2/LS, 94-A-3/LS, 94-A-4/LS, 94-	WORK COMPLETED AS PER ATTACH PROCEDU RE.	10/24/85
852221	86BX1/OPLS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-B-1/LS, 94-B-2/LS, 94-B-3/LS, 94-B-4/LS, 94-	COMPLETED TEST AND CALIBRATION OF HF A RELAYS.	10/12/85
852221	86BX2/OPLS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-B-1/LS, 94-B-2/LS, 94-B-3/LS, 94-B-4/LS, 94-	COMPLETED TEST AND CALIBRATION OF HF A RELAYS.	10/12/85

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MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852221	94-B-1/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-B-1/LS, 94-B-2/LS, 94-B-3/LS, 94-B-4/LS, 94-	COMPLETED TEST AND CALIBRATED OF HFA RELAYS	10/12/85
852221	94-B-2/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-B-1/LS, 94-B-2/LS, 94-B-3/LS, 94-B-4/LS, 94-	COMPLETED TEST AND CALIBRATION OF HF A RELAYS.	10/12/85
852221	94-B-3/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-B1-/LS, 94-B-2/LS, 94-B-3/LS, 94-B-4/LS, 94-	COMPLETED TEST AND CALIBRATION OF HF A RELAYS	10/12/85
852221	94-B-4/LS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94-B-1/LS, 94-B-2/LS, 94-B-3/LS, 94-B-4/LS, 94-	COMPLETED TEST AND CALIBRATION OF HF A RELAYS	10/12/85
852221	94-B-5/LS	TEST AND CALIBRATE HFA RELAYS. TEST GOUP INCLUDES RELAYS 94-B-1/LS, 94-B-2/LS, 94-B-3/LS, 94-B-4/LS, 94-	COMPLETED TEST AND CALIBRATION OF HF A RELAYS.	10/12/85
852222	62-2-1X/SI-2B	TEST AND CALIBRATE HFA RELAY.	CHANGED RELAY,TEST AND CALIBRATED RE LAY PER ATTACHED PROCEDURE.	11/03/85
852226	A/RC-2A/AFWS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS A/RC-2A/AFWS AND A1/RC-2A/AFWS.	COMPLETED AS PER ATTACHED PROCEDURE	11/11/85
852226	A1/RC-2A/AFWS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS A/RC-2A/AFWS AND A1/RC-2A/AFWS.	COMPLETED AS PER ATTACHED PROCEDURE	11/11/85
852228	A/RC-2B/AFWS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS A/RC-2B/AFWS AND A1/RC-2B/AFWS.	WORK COMPLETE AS PER PROCEDURE	11/15/85

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MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852228	A1/RC-2B/AFWS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS A/RC-2B/AFWS AND A1/RC-2B/AFWS.	WORK COMPLETE AS PER PROCEDURE	11/15/85
852229	94/1107A-2	TEST AND CALIBRATE HFA RELAY.	COMPLETED PER ATTACHED PROCEDURE	11/12/85
852230	94/1108A-2	TEST AND CALIBRATE HFA RELAY. GROUP R1	WORK COMPLETE AS PER PROCEDURE	11/15/85
852231	B/RC-2A/AFWS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES B/RC-2A/AFWS AND B1/RC-2A/AFWS.	COMPLETED AS PER ATTACHED PROCEDURE.	11/11/85
852231	B1/RC-2A/AFWS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES B/RC-2A/AFWS AND B1/RC-2A/AFWS.	COMPLETED AS PER ATTACHED PROCEDURE	11/11/85
852232	B/RC-2B/AFWS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS B/RC-2B/AFWS AND B1/RC-2B/AFWS.	WORK COMPLETED AS PER PROCEDURE	11/15/85
852232	B1/RC-2B/AFWS	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS B/RC-2B/AFWS AND B1/RC-2B/AFWS.	WORK COMPLETE AS PER PROCEDURE	11/15/85
852234	94-1/1045	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94/1045, 94-1/1045, 94-2/1045, AND 94-3/1045.	REPLACE RELAYS AS PER PROCEDURE	11/15/85
852234	94-3/1045	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94/1045, 94-1/1045, 94-2/1045, AND 94-3/1045.	REPLACE RELAYS AS PER PROCEDURE.	11/15/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852234	94/1045	TEST AND CALIBRATE HFA RELAYS. TEST GROUP INCLUDES RELAYS 94/1045, 94-1/1045, 94-2/1045, AND 94-3/1045.	REPLACE RELAYS AS PER PROCEDURE	11/15/85
852235	94/1107B-1	TEST AND CALIBRATE HFA RELAY.	COMPLETED AS PER ATTACHED PROCEDURE	11/12/85
852236	94/1108B-1	TEST AND CALIBRATE HFA RELAY.	WORK COMPLETE AS PER PROCEDURE	11/12/85
852358	CH-195	NEEDS REPACKED DURING OUTAGE	REPACKED VALVE WITH 187 I 7/16 PACKING.	10/17/85
852427	AE-1	CLOSE EQUIPMENT HATCH PER MP-AE-1-2.	CLOSED EQUIPMENT HATCH	10/17/85
852434	HE-1	PERFORM POLAR CRANE ANNUAL INSPECTION PER MP-HE-1.	SEE MP-HE-1	10/04/85
852435	HE-1	PERFORM POLAR CRANE MONTHLY OR PRIOR TO HEAVY LIFT.	SEE MP-HE-1-A	10/04/85
852438	RC-1	REMOVE REACTOR PIT FLOOR SEAL PER MP-RC-1-2. DISCARD OLD GASKETS.	PER ATTACHED PROCEDURE	12/12/85
852440	RC-1	CLEAN REACTOR VESSEL FLANGE PER MP-RC-1-3.	CLOSED FLANGE AS PER ATTACHED PROCEDURE AND REMARKS SECTION SPECIAL CLEANING.	12/02/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852448	RC-141	REMOVE RC-141 AND PREPARE FOR SHIPPING PER MP-PSV-1-1.	VALVES DECONED AND PACKED FOR SHIPPING STUDS CLEANED AND IN GQE CAGE IN ROOM 69 FOR QC INSPECTION 100985	10/10/85
852449	RC-141	INSTALL RC-141 PER MP-PSV-1-3.	INSTALLED 2 NEW GASKET AND TORQUE TO 750FT.LBS.Q.C.WITNESS TORQUEING.	12/20/85
852450	RC-142	REMOVE RC-142 AND PREPARE FOR SHIPPING PER MP-PSV-1-1.	VALVES DECONED AND PACKED FOR SHIPPING. STUDS CLEANED AND IN GQE CAGE IN ROOM 69 FOR QC INSPECTION 100985	10/10/85
852451	RC-142	INSTALL RC-142 PER MP-PSV-1-3.	COMPLETE AS PER PROCEDURE	12/31/85
852453	RC-2A	REPLACE RC-2A PRIMARY MANWAY COVERS PER MP-RC-2-1-B.	COMP AS PER PROCEDURE. STEP 5.7 SHOULD HAVE REVIEW.	11/15/85
852454	RC-2A	CLOSE SECONDARY MANWAYS PER MP-RC-2-2B. OBSERVE QC HOLDPOINTS.	CLOSED SECONDARY MANWAYS AS PER PROCEDURE	11/23/85
852455	RC-2A	REMOVE RC-2A SECONDARY HANDHOLE COVERS PER MP-RC-2-5-A.	AS PER PROCEDURE.	11/12/85
852456	RC-2A	REPLACE RC-2A SECONDARY HANDHOLE COVERS PER MP-RC-2-5-A.	INSTALLED NEW GASKET AND FOLLOWED PROCEDURE.	11/22/85
852457	RC-2B	REMOVE RC-2B PRIMARY MANWAY COVERS PER MP-RC-2-1-A.	COMPLETED AS PER PROCEDURE	10/23/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852458	RC-2B	REPLACE RC-2B PRIMARY MANWAY COVERS PER MP-RC-2-1-B.	COMPLETED AS PER PROCEDURE.	11/15/85
852459	RC-2B	REMOVE RC-2B SECONDARY HANDHOLE COVERS PER MP-RC-2-5-A.	REMOVED RC-2B SECONDARY HANDHOLE.	11/12/85
852460	RC-2B	REPLACE RC-2B SECONDARY HANDHOLE COVERS PER MP-RC-2-5-A.	INSTALLED NEW GASKET AND FOLLOWED PROCEDURE.	11/22/85
852461	RC-3A	REMOVE SEAL ON RC-3A PER MP-RC-3-A. *ORIGINAL CONTAMINATED	DISCONNECT 1479 PIPING (DONE 12-05-85) REMOVE SEAL.	12/09/85
852462	RC-3A	INSTALL SEAL ON RC-3A PER MP-RC-3-B. ORINGINAL CONTAMINATED	REPLACE OLD SEAL WITH REBUILT,TESTED NEW SEAL.	12/18/85
852463	RC-3A	COUPLE RC-3A PUMP TO THE MOTOR PER MP-RC-3-5-A.	COUPLED UP RC-3A SEE ATTACHED PROCEDURE	12/12/85
852467	RC-3B	REMOVE SEAL ON RC-3B PER MP-RC-3-A.	DISCONNECT PIPING.(120685 DON)	12/09/85
852468	RC-3B	INSTALL SEAL ON RC-3B PER MP-RC-3-B.	REPLACE OLD SEAL WITH REBUILT.	12/18/85
852469	RC-3B	COUPLE RC-3B PUMP TO THE MOTOR PER MP-RC-3-5-A.	COUPLED UP RC-3B SEE ATTACHED PROCEDURE	12/12/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852474	RC-3C	REMOVE SEAL ON RC-3C PER MP-RC-3-A.	REMOVED REAL JB TAKE OUT OF RC CAVIT Y IN 1/2 BARREL PROVIDED FOR TRANSPO RT.	12/06/85
852475	RC-3C	INSTALL SEAL ON RC-3C PER MP-RC-3-B.	REPLACE OLD SEAL WITH A REBUILT AND TESTED SEAL FROM RM.71.	12/18/85
852476	RC-3C	COUPLE RC-3C PUMP TO THE MOTOR PER MP-RC-3-5-A.	COUPLE UP RC PUMP TO MOTOR.	12/18/85
852481	RC-3D	REMOVE SEAL ON RC-3D PER MP-RC-3-A.	REMOVE SEAL AND TAKE OUT OF RC CAVIT Y IN 1/2 BEZEL FROM CONT DECON ROOM	12/07/85
852482	RC-3D	INSTALL SEAL ON RC-3D PER MP-RC-3-B.	REPLACE OLD SEAL WITH REBUILT AND TE STED SEAL FROM RM.71. #2267 O.I.WRITTEN ON Q.C.HOLDPOINT M	12/18/85
852483	RC-3D	COUPLE RC-3D PUMP TO THE MOTOR PER MP-RC-3-5-A.	COUPLE UP PUMP TO MOTOR.	12/18/85
852483	RC-6	CHANGE SEISMIC SKIRT LIFTING BOLTS PER MP-RC-6-1-A.		10/18/85
852490	RC-6	REMOVE ICI BULLET NOSE ASSEMBLIES PER MP-RC-6-4-A.	REMOVED BULLET NOSES AS PER ATTACHED RWP 408 MP-RC-6-4-A COMPLETE BRIEFIN G BY WORKERS:MIXAN, R. CAMPBELL,D. C	12/09/85
852491	RC-6	INSTALL ICI BULLET NOSE ASSEMBLIES PER MP-RC-6-4-B.	INSTALLED PER MP-RC-6-4-B	10/19/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852492	RC-6	REMOVE ALIGNMENT PINS PER MP-RC-6-5-A.	SEE MP RC-6-5-A	12/04/85
852493	RC-6	INSTALL ALIGNMENT PINS PER MP-RC-6-5-B.	SEE MP-BC-6-5-B-1 SEE ATTACHED REQUESION	10/22/85
852494	RC-6	REMOVE RV STUDS AND INSTALL STUD HOLE PLUGS PER MP-RC-6-7-B.	SEE MP-RC-6-7-B	10/22/85
852496	RC-6	CLEAN REACTOR HEAD FLANGE. INSPECT AND INSTALL O-RINGS PER MP-RC-6-9	REMOVED OLD O RINGS 103085 LS INSTALLED NEW O RINGS 112985.	11/30/85
852497	RC-6	UNTENSION RV STUDS PER MP-RC-6-10.	SEE MP-RC-6-10	10/20/85
852500	RC-7	RAISE ICI PLATE AND REMOVE UGS PER MP-RC-7-2-A.	SEE MP-RC-7-2-A-1	10/27/85
852501	RC-7	INSTALL UPPER GUIDE STRUCTURE AND REMOVE LIFT RIG PER MP-RC-7-2-B	PER MP-HE-1-A WERE MET. DID WORK PER MP-RC-7-2-B ATTACHED.	12/03/85
852502	RC-7	REMOVE HOLD-DOWN RING PER MP-RC-7-3-A.	SEE MP-RC-7-3-A-1	10/24/85
852503	RC-7	INSTALL HOLD-DOWN RING PER MP-RC-7-3-B.	INSTALL HOLD DOWN RING PER MP-RC-7-3 -B	12/09/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852506	RC	PRESSURIZE BULLET NOSE ASSEMBLIES PER MP-RC-8-A.	PERFORMED MP-RC-8-A(ATTACHED)	10/28/85
852515	RCS-29	REMOVE RCS-29 AND PREPARE FOR SHIPPI NG OFF-SITE FOR FUNCTIONAL TESTING. 1985 OUTAGE TASK.	REMOVED AND DECONNED.AFTER SMEARBLE CONT.WAS REMOVED SNUBBER HAD TOO HIG H OF READING TO BE SHIPPED AS NON RA	10/19/85
852516	RCS-29	REINSTALL RCS-29 AFTER OFF-SITE FUNC TION TESTING IS COMPLETED. 1985 OUTAGE TASK.	REMOVED AND DECONNED.AFTER SMEARABLE CONTAMINATION REMOVED SNUBBER HAD FI XED READING TO HIGH TO SHIP.WAS NOT	10/19/85
852517	RCS-61	PREPARE RCS-61 FOR SHIPPING OFF-SITE FOR FUNCTIONAL TESTING. SNUBBER IS REMOVED AS PART OF MP-PSV-1-1, SEE	REMOVED AND DECONNED GEN.MAINT.MADE SHIPPING CONTAINER	10/21/85
852518	RCS-67	REMOVE RCS-67 AND PREPARE FOR SHIPPI NG OFF-SITE FOR FUNCTIONAL TESTING. 1985 OUTAGE TASK.	REMOVED AND DECONNED GEN MAINT.BUILT SHIPPING CONTAINER	10/19/85
852519	RCS-67	REINSTALL RCS-67 AFTER OFFSITE FUNCT ION TESTING IS COMPLETED. 1985 OUTAGE TASK.	REINSTALLED SHOCK SUPPRESSOR	12/26/85
852520	RCS-71	REMOVE RCS-71 AND PREPARE FOR SHIPPI NG OFF-SITE FOR FUNCTIONAL TESTING. 1985 OUTAGE TASK.	REMOVED AND DECONNED GEN.MAINT. BUIL T SHIPPING CONTAINER.	10/19/85
852521	RCS-71	REINSTALL RCS-71 AFTER OFF-SITE FUNC TION TESTING IS COMPLETED. 1985 OUTAGE TASK.	REINSTALLED SHOCK SUPPRESSOR	12/26/85
852739	RC-6	REMOVE REACTOR STUD PLUGS, CLEAN STUD HOLES AND INSTALL STUDS PER MP-RC-6-7-A	REMOVE STUD PLUGS,INSTALL STUDS 48 EA. JB	12/06/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852785	FW-19	OPEN EFW TANK FW-19 FOR INSPECTION FOR PEELING INTERIOR COATING	CLEANED GASKET SURFACES.INSTALLED NE W GASKETS.INSTALLED MANWAYS AND TIGH TENED BOLTING.	12/31/85
852859	RC-7D-10	REPLACE INCORE DETECTOR NO 10, CECOR INSTRUMENT NO. 2, IN CORE LOCATION G-3.	REPLACED INCORE DETECTOR IN CORE LOC ATION E-3 AS PER MP-IC-1	11/29/85
852860	RC-7D-08	REPLACE INCORE DETECTOR NO 8, CECOR INSTRUMENT NO. 3, IN CORE LOCATION N-4.	REPLACED INCORE DETECTOR IN CORE LOC ATION N-4 AS PER MP-IC-1	11/29/85
852861	RC-7D-09	REPLACE INCORE DETECTOR NO 9, CECOR INSTRUMENT NO. 4, CORE LOCATION J-4.	REPALCED INCORE DETECTOR IN CORE LOC ATION J-4 AS PER MP-IC-1	11/29/85
852862	RC-7D-11	REPLACE INCORE DETECTOR NO 11, CECOR INSTRUMENT NO. 5, CORE LOCATION E-4.	REPLACED INCORE DETECTOR IN CORE LOC ATION E-4 AS PER MP-IC-1	11/29/85
852863	RC-7D-13	REPLACE INCORE DETECTOR NO 13, CECOR INSTRUMENT NO. 9, CORE LOCATION C-7.	REPLACED INCORE DETECTOR IN COREW LO CATION C-7 AS PER MP-IC-1	11/29/85
852864	RC-7D-07	REPLACE INCORE DETECTOR NO 7, CECOR INSTRUMENT NO. 12, CORE LOCATION S-9.	REPLACED INCORE DETECTOR IN CORE LOC ATION S-9.DETECTOR WAS HARD TO REMOV E AND HAD TO BE VIBRATED OUT.NEW DET	11/29/85
852865	RC-7D-06	REPLACE INCORE DETECTOR NO 6, CECOR INSTRUMENT NO. 13, CORE LOCATION P-9.	REPLACED INCORE DETECTORS IN CORE LO CATION P-9 AS PER MP-IC-1.	11/29/85
852866	RC-7D-15	REPLACE INCORE DETECTOR NO 15, CECOR INSTRUMENT NO. 16, CORE LOCATION D-9.	REPLACED INCORE DETECTOR IN CORE LOC ATION D-9 AS PER MP-IC-1.NEW DETECTO R WAS HARD TO INSTALL AND HAD TO BE	11/29/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852867	RC-7D-14	REPLACE INCORE DETECTOR NO 14, CECOR INSTRUMENT NO. 17, CORE LOCATION B-9.	REPLACED INCORE DETECTOR IN CORE LOCATION B-9 AS PER MP-IC-1	11/29/85
852868	RC-7D-05	REPLACE INCORE DETECTOR NO. 5, CECOR INSTRUMENT NO. 18, CORE LOCATION N-11.	REPLACED INCORE DETECTOR IN CORE LOCATION N-11 AS PER MP-IC-1	11/29/85
852869	RC-7D-16	REPLACE INCORE DETECTOR NO 16, CECOR INSTRUMENT NO. 20, CORE LOCATION E-11.	REPLACED INCORE DETECTOR IN CORE LOCATION E-11 AS PER MP-IC-1.DETECTOR WAS HARD TO REMOVE AND HAD TO BE VIBR	11/29/85
852870	RC-7D-24	REPLACE INCORE DETECTOR NO 24, CECOR INSTRUMENT NO. 21, CORE LOCATION S-13.	REPLACED INCORE DETECTOR IN CORE LOCATION S-13 AS PER MP-IC-1	11/29/85
852871	RC-7D-20	REPLACE INCORE DETECTOR NO 20, CECOR INSTRUMENT NO. 24, CORE LOCATION N-14.	REPLACED INCORE DETECTOR IN CORE LOCATION N-14 AS PER MP-IC-1	11/29/85
852872	RC-7D-19	REPLACE INCORE DETECTOR NO 19, CECOR INSTRUMENT NO. 25, CORE LOCATION J-14.	REPLACED INCORE DETECTOR IN CORE LOCATION J-14 AS PER MP-IC-1	11/29/85
852873	RC-7D-17	REPLACE INCORE DETECTOR NO 17, CECOR INSTRUMENT NO. 26, CORE LOCATION E-14.	REPLACED INCORE DETECTOR IN CORE LOCATION E-14 AS PER MP-IC-1	11/29/85
852874	RC-7D-18	REPLACE INCORE DETECTOR NO 18, CECOR INSTRUMENT NO. 27, CORE LOCATION G-15.	REPLACED INCORE DETECTOR IN CORE LOCATION G-15 AS PER MP-IC-1	11/29/85
852912	AC-10A	U.T.RAW WATER PUMP DISCHARGE HOUSING FOR THICKNESS AND IF BELOW MINIMUM REPLACE HOUSING	DONE AS DESCRIBED ABOVE.	10/12/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
852952	RC-2A	MOVE THE TEMPORARY VENTILATION AS NEEDED FOR NOZZLE DAM INSTALLATION AND EDDY CURRENT WORK	MOVED VENTILATION FROM COLD LEG TO H OT LEG.	10/19/85
852953	RC-2B	MOVE THE TEMPORARY VENTILATION AS NE NEEDED FOR THE NOZZLE DAM INSTALLATI ON AND EDDY CURRENT TESTING	MOVED VENTILATIO', FROM COLD LEGS TO HOT LEGS.	10/18/85
852959	RC-6	REMOVE INSULATION FROM THE REACTOR VESSEL HEAD FOR INSPECTION OF WELDS FOR PRESSURIZED THERMAL SHOCK	REMOVED INS.FROM THE REACTOR VESSEL HEAD FOR INSPECTION OF WELDS.	11/02/85
852960	RC-6	REINSTALL INSULATION THAT WAS REMOVE D FROM THE REACTOR VESSEL HEAD FOR WELD EXAMINATION FOR PRESSURIZED	REINSUL. REACTOR VESSEL	11/15/85
852998	HCV-247	OVERHAUL HCV-247 DURING THE REFUEL- ING OUTAGE AND INVESTIGATE PROBABLE CAUSE OF CONTROL PROBLEMS.	AS PER RPOCEDURE.	11/18/85
852999	HCV-248	OVERHAUL HCV-248 DURING THE REFUEL- ING OUTAGE AND DETERMINE PROBABLE CAUSE OF CONTROL PROBLEMS.	PER ATTACHED PROCEDURE.	11/18/85
853011	CH-191	REPACK CH-191 DURING FC-84-51MOD.	REPACKED VALVE AS REQUESTED,PUT 5 NE W RINGS IN UNDER LAND AND 3 NEW RING S ON TOP OF PACKING GLAND AND PUT BA	12/06/85
853186	RCS-19A-L	REMOVE SNUBBER FOR ACCESSING SLUDGE LANCING	REMOVED RCS-19A LEFT.KEPT IN CONTAIN MENT = A CQE STORAGE AREA. RLH 10248 5	10/24/85
853193	RC-2A	REMOVE SECONDARY MANWAY COVERS FOR GENERATOR INSPECTION	MOVED SECONDARY MANWAY	11/12/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853194	RC-2B	REMOVE SECONDARY MANWAY COVERS	AS PER PROCEDURE.	1 /12/85
853199	RC-2A	SEAL OFF WITH HERCULITE THE STEAM SEPARATOR AREA FOR DRYER BOX REMOVAL	SEALED OFF S/G WITH HERCULITE OVER C AN DESK.	11/13/85
853201	RC-2B	SEAL OFF WITH HERCULITE THE STEAM SEPARATOR AREA FOR DRYER BOX REMOVAL	SEALED OFF S/G WITH HERCULITE OVER C AN DECK.	11/13/85
853203	E-11	REMOVE BLIND FLANGE ON THE AUX BLDG SIDE OF E-11 AND INSTALL CE'S EDDY CURRENT TESTING FLANGE. PRESSURE TES	INSTALLED FLANGE FOR CE PER PROCEDUR E.	10/18/85
853206	RC-2A	PERFORM STEAM GENERATOR SECONDARY SIDE VISUAL INSPECTION PER MP-RC-2-4	INSPECTED STEAM GENERATOR SECONDARY SIDE AS PER PRCCEDURE. OPEN AND CLOS ED CANDECK COVERS.MPB	11/22/85
853207	RC-2B	PERFORM SECONDARY SIDE VISUAL INSPEC TION PER MP-RC-2-4	OPENED AND CLOSED CARDECK COVERS INS PECTED SECONDARY SIDE. MPB	11/22/85
853208	RC-2A	PROVIDE VENTIALLATION FOR STEAM GENERATOR SECONDARY SIDE INSPECTION	SET UP VENT AS PER HP'S	11/13/85
853209	RC-2B	PROVIDE VENTILATION FOR STEAM GENERA TOR SECONDARY SIDE INSPECTION	SET UP VENT AS PER HP'S	11/13/85
853221	RC-u	REPAINT THOSE SECTIONS OF THE RE ACTOR VESSEL HEAD LEFT UNCOVERED FOLLOWING THE HEAD WELD SAMPLING	PAINT INSPECTION WELD AS PER MO	11/11/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853222	RC-2A	INSTALL TEMPORARY VENTILATION ON THE S/G PRIOR TO NOZZLE DAM INSTALLATION AND EDDY CURRENT TESTING.	INSTALLED HEPA FILTER HOSE ON COLD L EG OF "A" S/G	10/18/85
853223	RC-2B	INSTALL TEMPORARY VENTILATION ON THE S/G PRIOR TO NOZZLE DAM INSTALLATION AND EDDY CURRENT TESTING.	INSTALLED HEPA FILTER HOSE ON COLD L EG OF "B"S/G	10/18/85
853255	RC-2A	REPLACE INSULATION- PRIMARY MANWAYS	REPLACED INSULATION ON PRIMARY MANWA YS.	01/06/86
853258	RC-2B	REPLACE INSULATION-PRIMARY MANWAYS	REPLACED INSULATION PRIMARY MANWAYS.	01/07/86
853259	RC-2A	COVER PRIMARY PLATFORMS W/HERCULITE RC-2A.	COVERED PLATFORM WITH HERCULITE AS P ER HP'S INSTRUCTION.	10/15/85
853261	RC-2B	COVER PRIMARY PLATFORMS W/HERCULITE	COVERED PLATFORM WITH HERCULITE AS P ER HP'S INSTRUCTION.	10/15/85
853263	RC-2A	VACUUM CHANNEL HEADS AND STRING LIGHTING TO PRIMARY PLATFORMS RC-2A HOT AND COLD LEG SIDES.	PUMPED WATER FROM COLD AND HOT LEGS IN "A" STEAM GENERATOR.	10/18/85
853292	CH-4A	INSPECT MECHANICAL SEALS FOR OVERHAU L OR REBUILD DURING '85 OUTAGE	DISASSEMBLED PUMP,REPLACED MECH SEAL BEARINGS AND OIL SEALS,REASSEMBLED P UMP.	01/13/86
853293	CH-4B	INSPECT MECHANICAL SEALS FOR OVERHAU L OR REBUILD AS NEEDED DURING '85 OUTAGE	REMOVED PUMP CHANGED SEAL,BEARINGS A ND OIL SEALS.CHANGED SHAFT SLEEVE,CL EANED AND REASSEMBLED PUMP.REINSTALL	10/19/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853545	VA-82	DUMP CHARCOAL OUT OF OLD VA-82 TRAYS FOLLOWING FILTER CHANGEOUT. TAKE EMPTIED TRAYS TO STOREROOM.	WORK DONE AS PER INSTRUCTIONS TRAYS ARE IN STOREROOM	10/22/85
853564	HCV-181	REMOVE FLANGE DOWNSTREAMOF HCV-181 WHEN CALLED FOR BY OPS BE SURE VENT DRAIN BETWEEN FLANGE AN	REMOVED FLANGE AND WIRED TO FLANGE	01/06/86
853565	RC-167	REMOVE FLANGE AND INSTALL CHARCOAL FILTER WHEN REQUESTED TO DO SO BY OPS(1056 LEVEL DOWNSTREAM OF RC-16	REMOVED FLANGE RC 167 AS REQUESTED	10/03/85
853577	HCV-181	INSTALL BLIND FLANGE DOWNSTREAM OF HCV-181 WHEN CALLED FOR BY OPS	INSTALLED BLANK FLANGE ON HCV-181 DO WN STREAM	09/28/85
853591	MS-280	LEAKING AFTER WHISPER TEST-NEED TO OVERHAUL AND SHIP OUT FOR RETEST	PER ATTACHED.	10/07/85
853592	HCV-181	VENT FLANGE MISSING--ORDER NEW ONE P LUS BOLTS AND WELD A CHAIN TO THE FL ANGE AND BOLT FLANGE AND BOLTS TO TH	TACK WELDED 5/32 CLIP TO 3"SS 304 BL IND FLANGE AND HOOK TO CHAIN.BOLTED FLANGE BACK ON HCV-181 ATMOSPHERE VE	11/23/85
853596	VA-3A	PERFORM ST-CONT-7 APPENDIX A PER APPENDIX L (RESET THE BLADE PITCH ON VA-3A) PER MP-VA-3 EXCEPT SET	SET FAN AT 6 DEGREES FOR CONTAINMENT PRESSURE CHECK	10/04/85
853597	VA-3B	PERFORM ST-CONT-7 APPENDIX A PER APPENDIX L (RESET THE BLADE PITCH ON VA-3B) PER MP-VA-3 EXCEPT SET BLADE	WORK ACCOMPLISHED PER ATTATCHED PROC EDURE.	10/04/85
853598	VA-7C	PERFORM ST-CONT-7 APPENDIX A PER APPENDIX L (RESET THE BLADE PITCH ON VA-3A) PER MP-VA-7 EXCEPT SET THE BL	WORK PERFORMED AS PER ATTACHED PROCE DURE.	10/03/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853599	VA-7D	PERFORM ST-CONT-7 APPENDIX A PER APPENDIX L (RESET THE BLADE PITCH ON VA-7D) PER MP-VA-7 EXCEPT SET THE	WORK PERFORMED PER ATTACHED PROCEDUR E.	10/03/85
853600	VA-3A	RESET BLADE PITCH ACCORDING TO MP-VA -3 AFTER THE ILRT IS COMPLETE	WORK COMPLETED AS PER PROCEDURE.	10/15/85
853602	VA-7C	RESET THE BLADE PITCH PER MP-VA-7 FOLLOWING THE ILRT	WORK DONE AS ATTACHED PROCEDURE	10/14/85
853604	RC-6	REMOVE ICI SKIRT ACCESS COVERS	REMOVED COVERS	10/12/85
853609	LR-906X	LR-906X RECORDER IS ERRATIC	REPLACED AMPLIFIER,CLEANED SLIDEWIRE CALIBRATED PER CP-1102	11/20/85
853614	RC-2A	PERFORM VISUAL INSPECTION/REPAIR OF STEAM GENERATOR DEFLECTOR PLATE PER MP-RC-2-7.	REMOVED CHEVRON SEPERATORS, REPLACED BOLT IN DEFLECTOR PLATE AND REPLACED CHEVRON SEPERATORS AS PER PROCEDURE.	11/22/85
853615	RC-2B	PERFORM VISUAL INSPECTION/REPAIR OF STEAM GENERATOR DEFLECTOR PLATE PER MP-RC-2-7.	REMOVED AND REINSTALLED CHEVRON SEPE RATORS AS PER PROCEDURE.	11/21/85
853617	HSS	FOR REPAIR OF BERGAN PATTERSON HSS PER MP-HSS-BP-2 VALVES FOUND DEFECTIVE ON SURVEILLANCE	REBUILD VALVE BODIES AS PER PROCEDUR E.SEE MO 853616 FOR SURVIELANCE TEST	12/19/85
853618	HSS	FOR REPAIR OF GRINNELL(LYNAIR) HSS 3&1/4" CYLINDERS PER MP-HSS-LY-1 FOUND DEFECTIVE ON SURVEILLANCE	REBUILT SNUBBERS AS PER ATTACHED PRO CEDURE. ST-HSS-5 PERFORMED	12/26/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853619	HSS	FOR REPAIR OF GRINNELL(TOMKINS-JOHNSON) HSS CYLINDERS PER MP-HSS-TJ-1 ON 5"& 8" CYLINDERS FOUND DEFECTIVE	REBUILT SNUBBERS AS PER ATTACHED PROCEDURE.	12/26/85
853625	RC-10-19	LEAKING AT AUTOCLAVES	REPLACED GASKET PER ATTACHED PROCEDURE.	01/10/86
853631	RC-1	INSTALL REACTOR CAVITY FLOOR SEAL	AS PER ATTACHED PROCEDURE MP-RC-1-1-3	10/21/85
853636	RC-3C	RC-3C SPACE HEATER IS GIVING A GROUND WHEN IN SERVICE. BRKR. IS OPEN ON MCC-3C1	CHECKED BREAKER AND TESTED. CHECKED OUT OK. ALLOWED TO RUN 4 HOURS, ALL CLEAR, NO GROUND FP 110185.	11/01/85
853639	HE-1	FABRICATE A SCAFFOLDING PLATFORM FOR THE WORK ON THE POLAR CRANE ELECTRICAL FEED RAILS	FABRICATED PLATFORM.	10/02/85
853639	SE	FABRICATE A SCAFFOLDING PLATFORM FOR THE WORK ON THE POLAR CRANE ELECTRICAL FEED RAILS.	FABRICATED PLATFORM	10/02/85
853693	SI	INSTALL LEAD SHIELDING ON THE HOT SPOT ON THE SI LINE IN THE CONTAINMENT BASEMENT. SEE K.HENRY FOR DETAILS.	VOID. KIRK MILLER 100485 NOT REQUIRED - HOT SPOT WAS FLUSHED OUT OF THE LINE.	10/02/85
853700	M-72	REMOVE THE BLIND FLANGE FROM INSIDE CONTAINMENT. BEFORE REMOVE ENSURE CONTROL RM HAS HUNG CAUTION TAGS	REMOVED BLANK FLANGE AS INSTRUCTED	10/04/85
853739	HCV-327-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404430.	REPLACED GREASE UNDER MO 857494 AND REPLACED GASKETS ON GEARED LIMIT SWITCHES,DGD,120385-COPY OF COMPLETED	01/10/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853741	HCV-331-M	PERFORM SP-MOV-1 TO MAINTAIN QUALIFIED LIFE AS REQUESTED BY QL TASKSHEET 8404432	FOUND GREASE TO BE GREEN TYPE AND AMOUNT WAS CONSIDERED LOW WROTE MO 854445 A COPY OF THE COMPLETED SURV.	01/10/86
853746	HE-1	THE BRIDGE DRIVE GEAR BOXES ON BOTH ENDS ARE LOOSE AND NEED TO BE ALIGNED.	REALIGNED BOTH DRIVE GEAR BOXES	10/04/85
853763	M-72	INSTALL A BLANK FLANGE ON M-72	INSTALLED BLANK FLANGE AS PER MO.	10/05/85
853764	M-72	REMOVE BLANK FLANGE FROM M-72	REMOVED BLANK FROM 07-72	10/06/85
853769	LE	MOVE CALIBRATION BLOCKS 7-CSCL-7-FCL,11-CSCL-5-FCL,3-CSCL-8-FCL,IR-CSCL-2-FCL,PL-CS-5.0-3-FCL,24"-2501-S.160	MOVE CAL BLOCK FROM WAREHOUSE TO EQ. HATCH	10/08/85
853779	HCV-2500	PACKING LEAK.	VOID - DONE ON MO 853831 R.L.HYDE 102885	10/29/85
853819	AE-1	OPEN THE EQUIPMENT HATCH	OPENED EQUIPMENT HATCH PER PROCEDURE MPB	10/16/85
853820	AE-1	CLOSE THE EQUIPMENT HATCH	INSTALLED 4 BOLTS AS PER MO	11/23/85
853824	AE-1	OPEN EQUIPMENT HATCH	OPENED HATCH AS REQ.	11/12/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853831	HCV-2500	HCV-2500 LEAKS BY. VALVE REQUIRES REPAIRS	REPAIRED VALVE AS NEEDED,TESTED AND SET.	11/14/85
853832	HCV-2501	HCV-2501 LEAKS BY.	REPAIRED VALVE AS NEEDED AND TESTED. ALSO ADJUSTED STROKE.	11/14/85
853833	HCV-2503	HCV-2503 LEAKS BY.	REPAIRED VALVE AS NEEDED,TESTED AND ADJUSTED.	11/14/85
853901	FW	REMOVE SNUBBERS ON THE REACTOR COOLA NT SYSTEM, SAFETY INJECTION SYSTEM, FEEDWATER SYSTEM, AND MAIN STEAM SYS	REMOVED & REINSTALLED SNUBBERS AS RE QUIRED.	12/26/85
853901	MS	REMOVE SNUBBERS ON THE REACTOR COOLA NT SYSTEM, SAFETY INJECTION SYSTEM, FEEDWATER SYSTEM, AND MAIN STEAM SYS	REMOVED & REINSTALLED SNUBBERS AS RE QUIRED	12/26/85
853901	RC	REMOVE SNUBBERS ON THE REACTOR COOLA NT SYSTEM, SAFETY INJECTION SYSTEM, FEEDWATER SYSTEM, AND MAIN STEAM SYS	REMOVED AND REINSTALLED SNUBBERS AS REQUIRED.	12/26/85
853901	SI	REMOVE SNUBBERS ON THE REACTOR COOLA NT SYSTEM, SAFETY INJECTION SYSTEM, FEEDWATER SYSTEM, AND MAIN STEAM SYS	REMOVED & REINSTALLED SNUBBERS AS RE QUIRED	12/26/85
853909	1B4B-1B4B	INSPECT BREAKER, LOOSE PARTS WERE LO CATED IN THE BOTTOM OF THE CUBICLE. SEE DUKE OR RICH CONNER FOR LOOSE	THE PARTS WERE FROM THE CUBICLE ABOV E THE BKR CUBICLE.THE SCREW WENT TO AN AGASTAT.THE NUT CAME FROM WHEN SO	10/12/85
853928	AC-105	OVERHAUL CCW PUMP AC-3B DISCHARGE VALVE. THIS MO WILL REPLACE AND VOID MO 843338.	AC 105 HAS NEW PACKING,LOWER SHAFT O -RING AND NEW SEATRING.CQE ITEMS HAV E BEEN REPLACED.	11/12/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
853929	AC-103	OVERHAUL CCW PUMP SUCTION VALVE AC-103. THIS MO WILL VOID MO 84338.	REMOVED VALVE,REPLACED SEAT,O-RING AND PACKING.REINSTALLED VALVE BACK INTO CCW SYSTEM.	11/12/85
853969	RC	INSTALL TYGON TUBING FOR LEVEL INDICATION FOR THE REACTOR COOLANT SYSTEM ON THE REACTOR VESSEL HEAD	INSTALLED FLANGE HAD TO FABRICTE A NEW ONE.	10/15/85
853981	M-72	INSTALL BLANK FLANGE ON THE CONTAINMENT SIDE OF PENETRATION M-72.	INSTALLED BLANK FLANGE ON THE CONTAINMENT SIDE OF PENETRATION M-72 AS REQUESTED	10/12/85
853984	SG-B1	SG-B1 WAS FOUND TO BE LEAKING WHILE PERFORMING ST-HSS-5. REMOVE SNUBBER AND PREPARE FOR SHIPPING OFFSITE FOR	REMOVED SNUBBER AND DISCONNECTED GEN.MAINT.BUILT SHIPPING CONTAINER SNUBBER NOT REBUILT ON THIS MO THERE	10/19/85
853986	SG-B2	SG-B2 WAS FOUND TO BE LEAKING WHILE PERFORMING ST-HSS-5. REMOVE SNUBBER AND PREPARE FOR SHIPPING OFFSITE FOR	REMOVED SNUBBER AND DISCONNECTED GEN.MAINT.BUILT SHIPPING CONTAINER SNUBBER NOT REBUILT ON THID MO THERE	10/19/85
853987	SG-B2	RE-INSTALL SG-B2 AFTER FUNCTIONAL TEST AND REBUILDING BY OFFSITE VENDOR.	REINSTALLED SNUBBER	12/26/85
853993	RC-128	REPAIR ROOT VALVE. INSURE OPERATION OF FREER MOVEMENT. PRESENTLY IT IS VERY TIGHT.	REPACKED AS REQUESTED	12/17/85
853999	RC	REMOVE CABLE TRAY & ELECTRIC PENETRATION COVERS & DECON AREAS IN CONTAINMENT.	REMOVED COVERS FOR MR-FC-85-09 REINSTALLED COVERS WHEN COMPLETED.	11/11/85
854001	EE	REMOVE ELECTRICAL PENETRATION COVERS AND CABLE TRAY COVERS OUTSIDE CONTAINMENT. SEE LARRY REED FOR DETAILS.	REMOVED ALL PENETRATION COVERS ASSOCIATED WITH MO-FC-85-09 REPLACED COVERS AT END OF MODIFICATI	11/11/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854005	RC-1	REMOVE REACTOR VESSEL FLANGE INSULATION	REMOVED AND STORED INSULATION	10/16/85
854011	WD-L	HCV-545, LEAKAGE HDR. DRAIN TO THE R.C.D.T HAS HAD ITS INSTRUMENT AIR LINE BROKEN AWAY FROM THE ACCUMULATO	REMOVED ACCUMULATOR TUBING AND INSTALLED TUBING CMP.NO REPAIR REQUIRED.EMERGENCY MOD.84-113 REMOVED&CAPPED 8	10/15/85
854018	RC-2A	REMOVE CAN DECK COVER FOR STEAM GEN. SECONDARY INSP.	REMOVED CAN DECK PER RC-2-6A.	11/13/85
854019	RC-2B	REMOVE CAN DECK COVER FOR STEAM GEN. SECONDARY INSP.	REMOVED CAN DECK COVER FOR SECONDARY INSPECTION.BAGGED NUTS,BOLTS,AND WASHERS AND LEFT OUTSIDE GEN.MANWAY	11/13/85
854054	AE-2	REPLACE THE SEALS ON THE PAL DOORS. BOTH DOORS FAILED THE LEAK RATE TEST PERFORMED EARLY THE MORNING OF	REPLACED BOTH SEALS ON PAL DOORS OTHER SET OF SEALS WERE IN AUX.BUILDING.THEY WERE TAKEN FROM STORE ROOM	10/25/85
854056	AC-786	LEAKING AT FITTING JUST PAST ISOLATION VALVE	REMOVED AND CLEANED FITTING. INSTALLED AND TIGHTENED. MPB	11/04/85
854057	AC-804	LEAK FROM FITTING JUST BELOW ISOLATION VALVE	REMOVED AND CLEANED FITTING, INSPECTED AND LOOKS GOOD REINSTALLED CORRECTLY.MPB.	11/04/85
854059	AC-792	DRIED CHROMATES WERE ON ISOLATION VALVE AND FITTINGS. INSPECT FOR POTENTIAL LEAKAGE	REMOVED AND CLEANED FITTING.INSPECTED,LOOKS GOOD.REINSTALLED &TIGHTENED. MPB	11/04/85
854060	AC-781	DRIED CHROMATES COLLECTED ON ISOLATION VALVE AND FITTINGS. INSPECT FOR POTENTIAL LEAKAGE.	REMOVED AND CLEANED FITTINGS,INSPECTED.GOOD.REINSTALLED CORRECTLY.	11/04/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854061	AC-751	DRIED CHROMATES COLLECTED ON ISOLATION VALVE AND FITTINGS. INSPECT FOR POTENTIAL LEAKAGE.	REMOVED AND CLEANED FITTING.INSPECTED AND LOOKS GOOD.REINSTALLED CORRECTLY. MPB	11/04/85
854064	RC-2A	INSTALL NOZZLE DAMS	PER ATTACHED PROCEDURE	10/22/85
854065	RC-2B	INSTALL NOZZLE DAMS	PER ATTACHED PROCEDURES.	10/22/85
854069	AE	GROUT HOLES IN CONTAINMENT WALL AT SOUTH END OF CONTAINMENT WALL IN ROOM 81.	FILLED HOLES WITH GROUT AS PER PROCEDURE.	01/09/86
854075	VA-7C	TWO HUB COVER BOLT HEADS ARE BROKEN OFF AND NEED TO BE REPLACED/REPAIRED	REMOVE BROKEN STUDS AND REPLACED RETURNED TO SERVICE. JB SEE MO #857433 FOR ADDITONAL DETAILS.	10/26/85
854077	HCV-1042C-O	WHILE PREFORMING SP-MOV-1 FOUND BROWN GREASE IN LIMT SWITCH GEAR CASE CA	PERFORMED PER PROCEDURE FILLED OUT FC-198 SURV TEST WAS PERFORMED AS PART OF SP-MOV-1 ON MO 853743	11/07/85
854080	AC-818	AC-818 IS VERY HARD TO TURN.REPAIR AS NEEDED.	REPACKED VALVE WITH CQE PACKING AND NEW BONEET GASKET.	10/29/85
854087	RC-7	PULL THE HEATED JUNCTION THERMOCOUPLE PROBES AND STORE AS REQUIRED FOR REFUELING	PROBES YE-116A AND YE-116B REMOVED AND STORED IN HOLDING CANNISTERS PER MP-HJTC-1. YE-116A STORED IN SOUTH C	10/22/85
854104	RC-2B	VACUUM OUT CHANNEL HEADS TO PREPARE FOR NOZZLE DAM INSTALLATION	PUMPED WATER FROM COLD AND HOT LEGS IN "B" STEAM GENERATOR.	10/18/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854103	HCV-1041C-O	WHILE PERFORMING SP-MOV-1 INSPECTION PLUG BROKE OFF FROM GEAR BOX.	REMOVED BROKEN PLUG AND INSTALLED A NEW PLUG.	12/03/85
854111	C-10	DURING ST-CONT-2 ELECTRICAL PENE-TRATION C-10 WAS FOUND TO LEAK 25 BUBBLES PER MINUTE. LEAK WAS NOT LOC	LEAKS FOUND ON C10-1&C10-5 ON CONTAI NMENT SIDE.TIGHTENED ASSEMBLIESC10-1 &C10-5.PERFORMED ST-CONT-2 FOR C-10	12/26/85
854115	PCV-742C	DURING ST-CONT-3 LEAKAGE ON PENETRAT ION M-88 VALVES WAS FOUND AT 1050 SCCM. VALVE GASKET SEATING AREA NEED	COMPLETED FORM FC-99 FOUND 1350 SCCM LEAKAGE ON ST-CONT-3.DATED 123185 I& C SHOP. VALVE HAS ACCEPTABLE LIMITS	01/04/86
854115	PCV-742D	DURING ST-CONT-3 LEAKAGE ON PENETRAT ION M-88 VALVES WAS FOUND AT 1050 SC CM. VALVE GASKET SEATING AREA NEEDS	COMPLETED FORM FC-99 AND FOUND 1350 SCCM LEAKAGE ON ST-CONT-3 DATED 1231 85 I&C SHOP. VALVE HAS ACCEPTABLE LI	01/04/86
854118	AI-RPS	CHECK POWER SUPPLIES ON D RPS LINEAR POWER DRAWER. FOUND AMP BALANCE OUT OF SPECS ON STEP IV-E.	REPLACED PART LISTED, CHECKED PER CP -RPS/ROD-DROP-D AND ST-RD-1, CHECKED OK. OI-2230INITIATED 120285	10/19/85
854132	RC-7D	DISCONNECT GREYLOC HUBS ON THE INCORE INSTRUMENTATION	DISCONNECT GREYLOC HUBS ON THE INCOR E AS REQUESTED	10/21/85
854156	HCV-1042C	WHILE PERFORMING MP-MOV-3 DURING THE OPENING AND CLOSING STROKES THE VALVE WOULD STOP AND THEN FINISH THE	NO REPAIRS MADE	10/18/85
854175	RC-100	REMOVE FLANGE AND THE TYGON TUBING F ROM RC-100 TO ALLOW ROOM TO DETENSIO N THE RV STUDS	REMOVED FLANGE AND TUBING	10/19/85
854184	RC	CLEAN THE ICI GRAYLOC STUDS AND NUTS PER SECTION 6.12 AND 6.13 OF MP-RC-6-8-B(REFERENCE MP-RC-6-8-A STEP	CLEANED STUDS AND HAD QC DIE CHECK. (TWO BAD STUDS)	10/25/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854185	RC-3A	INSPECT RC PUMP STUDS NOW THAT SYSTE M IS COLD FOR A DETAILED INSPECTION	INSPECTED ALL 4 RC PUMP STUDS SOME M INOR. EVIDENCE OF BORIC ACID-MO APP ARENT STUD DAMAGE. DWD	10/29/85
854185	RC-3B	INSPECT RC PUMP STUDS NOW THAT SYSTE M IS COLD FOR A DETAILED INSPECTION	INSPECTED ALL 4 RC PUMPS STUDS SOME MINOR EVIDENCE OF BORIC ACID - NO AP PARENT STUD DAMAGE.DWD	10/29/85
854185	RC-3C	INSPECT RC PUMP STUDS NOW THAT SYSTE M IS COLD FOR A DETAILED INSPECTION	INSPECTED ALL 4 RC PUMPS STUDS SOME MINOR EVIDENCE OF BORIC ACID - NO AP PARENT STUD DAMAGE.DWD	10/29/85
854185	RC-3D	INSPECT RC PUMP STUDS NOW THAT SYSTE M IS COLD FOR A DETAILED INSPECTION.	INSPECTED ALL 4 RC PUMPS STUDS SOME MINOR EVIDENCE OF BORIC ACID - NO AP PARENT STUD DAMAGE.DWD	10/29/85
854190	AI-31B-BW11-PBSVHPT	PEAK DETECTORIN VARIABLE OVER POWER TRIP PORTION OF APD CALCULATOR INOP.OUTPUT WILL	REPLACED 5V POWER SUPPLY IN ADD CALC ULATOR.PERFORMED ST-RPS-1 F.3	10/26/85
854191	RC-6	4 STUD PLUGS ARE RUSTED AND DETERIOR ATED,	SEE MP RC-6-7C-1	10/21/85
854197	HCV-2947	HCV-2947 SI-1A SUCTION VALVE PACKING LEAKOFF LINE CHECK VALVE HAS A LEAK AND HAS A BUILDUP OF CRYSTALIZED BOR	FITTINGS ON BOTH SIDES OF THE VALVE WERE TIGHTENED,AND THE LEAKAGE WAS S TOPPED.	12/21/85
854206	HCV-1041C-O	REPLACE GREASE IN LIMIT SWITCH.	REPLACE GREASE IN LIMIT SWITCHES. MP -MOV-3 WAS PERFORMED ON MO 853098.	01/10/86
854218	HE-1	PERFORM POLAR CRANE INSPECTION PRIOR TO HEAD LIFT	PER ATTACHED PROCEDURE	10/23/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854219	HE-1	MEASURE AND RECORD THE POLAR CRANE LOAD CELL RESISTANCE, BOTH EXCITATION LEADS AND	EXT. MEASURED R'S OF GREEN AND BLK 1 83.552'S...LARGE MEASURED R'S OF RED AND WHITE 359.152'S...AUX. MEASURED	10/24/85
854230	HCV-335	REMOVE INSULATION AROUND PIPE CLAMP 28-PR SHOWN ON THE ATTACHED FIGURE B-18. REPORT COMPLETION OF WORK TO	REMOVED INSUL AROUND PIPE CLAMP 28-P R	10/24/85
854231	HCV-335	REMOVE BORIC ACID FROM BOLTS AND NUT S OF THE PIPE SUPPORT 28-PR SHOWN ON THE ATTACHED FIGURE B-18. REPORT	PER ABOVE	10/29/85
854240	RC-3B	REMOVE INSULATION AROUND WELD #15 SHOWN IN FIGURE A8.	REMOVED INSULATION AROUND WELD #15	10/25/85
854250	AE-1	BOLT UP EQUIPMENT HATCH PRIOR TO HEA D LIFT. PERFORM ST-CONT-2 FOLLOWING BOLT UP.	COMPLETED LEAK RATE TEST AS PER MO 8 52797 102285 JAD ON ST-CON-2 F.3	10/23/85
854268	RC-123	REMOVE INSULATION AROUND RC-123 FOR ISI EXAMINATION. REINSULATE WHEN EX AMINATION IS COMPLETED.	REMOVED INSULATION AROUND RC-123. REINSULATED AROUND RC-123.	11/09/85
854289	SI-220	REMOVE INSULATION AROUND SI-220 FOR ISI EXAMINATION. REPLACE THIS REMOVED INSULATION AFTER THE EXAMI-	REMOVED INS. AROUND SI-220 REINSUL. AROUND SI-220.	11/16/85
854296	MS	TIGHTEN NUTS ON PIPE CLAMP, SUPPORT NO. MSS-7. LOCATE USING EBASCO DRAWING 8-3, FILE NO.23368 OR ALSO	NUTS ON PIPE CLAMP ARE TIGHT. PIPE CLAMP IS ON A 45 DEGREE ELBOW, AND T HERE IS A GAP BETWEEN CLAMP AND FITT	11/13/85
854315	HCV-314-33A	FOUND BAD GREASE IN LIMIT SWITCH. NEED TO CHANGE PER SP-MOV-1.	CHANGED LIMIT SWITCH GEAR GREASE SEE MO 852149 FOR SP-MOV-L. ST-ISI-SI-1 WAS PERFORMED AS PART OF MO 852149.	01/10/86

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MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854322	86B1/CSASS	AI-30A RELAY #1185 86B1/CSASS HAS LO OSE CONNECTION	TIGHTENED NUT	10/30/85
854343	RC-6	REMOVE REACTOR HEAD LIFT RIG	REMOVED REACTOR HEAD LIFT RIG AND SE T IN STORAGE AREA.NEW PINS ARE WITH THE LIFT RIG OLD PINS ARE IN MACHINI	10/26/85
854357	BUS1A3	WHILE PERFORMIMG PM-EE-1 FOR BUS 1A3 FOUND LIFTING MECH. FOR BKR. SI-1A MISALIGNED AND COUPLING WORN.	REPLACED COUPLING AND REALIGNED. TES TED AND WORKS GOOD.	10/28/85
854375	RC-2A	REMOVE INSULATION TO ALLOW ACCESS TO WELDS 8-11 SHOWN ON THE ATTACHED FIG 87. CLEAN THE WELDS AND REINSULATE	CLEANED AS PER INSTRUCTIONS.REMOVED INSULATION FOR ISI.REINSULATED AFTER ISI EXAM,NO NEW MATERIALS NEEDED.	11/19/85
854398	HCV-321-0	DOES NOT WORK MECHANICALLY.WILL NOT OPERATE BY HAND	HAND CRANKED THE VALVE OFF OF THE SE AT.ST-ISI-SI-1F.)PERFORMED)10185 RESULTS ACCEPTABLE	11/02/85
854433	RC-2A	NEED TO SLUDGE LANCE THE TUBSHEET OF RC-2A. CE TO PERFORM THIS WORK. COVERED BY PROCEDURE MP-LANCE.	STEAM GENERATOR"A" WAS LANCED AND T HE ANNULUS WAS INSPECTED.	11/25/85
854434	RC-2B	NEED TO SLUDGE LANCE THE TUBESHEET OF RC-2B. CE TO PERFORM THIS WORK.(COVERED BY PROCEDURE MP-LANCE.	STEAM GERATOR B WAS LANCED AND THE A NNULARS WAS INSPECTED.	11/25/85
854436	HCV-311-0	MOUNTING BOLTS ARE LOOSE ON THE LIMITORQUE OPERATOR FOR HCV-311 AND SHOULD BE TIGHTENED.	DOG POINTED A NEW SET SCREW AND INST ALLED. RETURNED TO SERVICE.	10/29/85
854445	HCV-331-0	CHANGE GREASE ON LIMITORQUE AND COMP LETE SP-MOV-1.	CHANGED LIMIT SWITCH GREASE REGREASE PREFORMED OUTSIDE CONTROL AREA MP-DEGREE-2 NOT USED SEE MO 853741 FOR	01/10/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854549	AC-A/1AD2	RETEST RELAYS 27-1XA/D2,27-2XB/D2,AC -A/1AD2,AC-B/1AD2.	COMPLETE PER PROCEDURE	11/26/85
854549	AC-B/1AD2	RETEST RELAYS 27-1XA/D2,27-2XB/D2,AC -A/1AD2,AC-B/1AD2.	COMPLETE PER PROCEDURE	11/26/85
854549	27-1XA/D2	RETEST RELAYS 27-1X/D2,27-2XB/D2, AC-A/1AD2,AC-B/1AD2	COMPLETE PER PROCEDURE.	11/26/85
854549	27-2XB/D2	RETEST RELAYS 27-1XA/D2,27-2XB/D2,AC -1/1AD2,AC-B/1AD2.	COMPLETE PER PROCEDURE	11/26/85
854558	SI-CS	REPLACE BASKETS OVER SI RECIRC LINES	REPLACED SCREENS OVER S.I. RECIRC.	11/16/85
854584	FH	SCREW THE KEY STOCK IN PLACE FOR THE HAND WHEEL SHAFT ON THE BRIDGE, TROLLEY, AND HOIST TO AVOID THE NEED	FIXED KEY STOCK INTO PLACE ON HAND W HEEL SHAFT AND ON HAND WHEEL SHAFT.	11/12/85
854578	AC-876	WELD .75 IN. NPT THREADED NIPPLE ON DOWNSTREAM SOCKET OF AC-876. USE CERTTIFIED WELDER AND WELD	WELDED A 3" NIPPLE ON TO ORTLET SIDE OF AC876 USING PROCEDURE 1.	11/06/85
854595	SI-150	REMOVAL AND REINSTALLATION OF SI-159 FOR VALVE INSPECTION; PER ST-ISI-SI-1-F.6 .	PERFORMED ST-ISI-SI-1 F.6 AS PER PRO CEDURE.	11/14/85
854600	HCV-150	REMOVE INSULATION AROUND PIPE RESTRA INT 1-PR-1 AND 1-PR-2 LOCATED JUST ABOVE HCV-150 AS SHOWN IN FIGURE A20	REMOVE INS.AROUND 1-PR-1 & 1-PR-2	11/06/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854601	RC-113	REMOVE IMSULATION AROUND TCV-202 AND RC-113. CONSULT THE ATTACHED FIGURE A47 FOR LOCATION. FOR INFORMATION CO	REMOVED INSULATION AROUND TCV-202	11/27/85
854601	TCV-202	REMOVE INSULATION AROUND TCV-202 AND RC-113. CONSULT THE ATTACHED FIGURE A47 FOR LOCATION. FOR INFORMATION	REMOVED INSULATION AROUND TCV-202	11/27/85
854602	M-95	REMOVE INSULATION AROUND PIPE RESTRA INT 6-PR-2, 10-PR-1 AND 10-PR-2. LOCATIONS ARE IDENTIFIED ON THE	REMOVED INSULATION AROUND PIPE RESTR AINTS 6-PR-2,10-PR-1 & 10-PR-2.	11/29/85
854605	AC-285	CLEAN AND PREP WELDS 31, 32 AND 33 FOR ISI EXAMINATION. THESE WELDS ARE LOCATED NEXT TO AC-285 AS SHOWN	WELDS CLEANED AS REQUESTED	11/07/85
854606	AC-868	CLEAN AND PREP WELD # 45 SHOWN IN TH E ATTACHED FIGURE B56 FOR ISI EXAMIN ATION. CONTACT GREG KRIESER FOR MOR	REQUIRED CLEANING OF WELDS COMPLETED	11/06/85
854651	VA-5A	REPLACE VA-5A WEST AND SOUTH HEPA FILTER BANKS IN CONTAINMENT. USE MP-HEPA-1. 96 NEW FILTERS NEEDED.	P.O.30234 HEPA FILTER IS IN RM.59 IN REN BAG.COMPLETED MO PER PROCEDURE.	11/21/85
854657	HE-1	PERFORM INSPECTION ON POLAR CRANE FO R THE MONTH OF NOVEMBER.	INSPECTED POLAR CRANE PER MP-HE-1-A	11/11/85
854658	HE-1	PERFORM INSPECTION OF POLAR CRANE PR IOR TO HEAVY LIFT.	PERFORMED MP-HE-1-A	11/23/85
854677	EE-4A	INSPECT AND TAPE AS REQUIRED SECON DARY BUS FOR TIA-4.	REMOVED AND REPLACED SEISMIC BUS SUP PORTS FOR REMOVAL OF INSPECTION OF S ECONDARY BUS T1A-4.TAPED BUS IN ACCO	11/14/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854679	TIA-3	INSPECT AND TAPE AS REQUIRED SECONDARY SIDE OF TIA-3.	FINISHED TAPING BUS ON 111985.MEGGARED BUS,REMOVED GROUND TRUCKS.PUT BACK IN SERVICE.	11/25/85
854685	AC-876	INSTALL .75 IN. ISOLATION VALVE AND CHICAGO FITTING ON OUTLET NIPPLE OF AC-876. VALVE AND FITTINGS ARE LOCAT	INSTALLED VALVE AND CHICAGO FITTING AS PER MO. INSTALLED DOWNSTREAM OF CLASS BOUNDA	11/11/85
854707	HCV-335	REMOVE BORIC ACID BUILDUP ON THE STUDS---REMOVE 2 STUDS AND INSTALL JACKING BOLTS--LUBRICATE REMAINING STUDS	REMOVED ALL STUDS,LUBRICATED REINSTALLED	11/23/85
854714	FW	GRIND OUT INDICATIONS ON FW LINES IN CONT. PER SP-ISI-GRIND-1. LOCATION OF INDICATIONS GIVEN ON REPRTS NO.	WORK COMPLETED AS PER PROCEDURE, SP-I.S.I. GRIND I.	11/12/85
854755	FW	REMOVE INSULATION FROM WELDS 5,6,7,8,9,10&11 ON FW LOOP B. ALL WELDS OUTSIDE OF BIOSHIELD MUST BE INSPECTED	REMOVED INSULATION FROM WELDS 5,6,7,8,9,10,11 ON FW LOOP B.	11/27/85
854797	M-96	GRIND OUT WELD UNDERCUT ON PIPE LUGS FROM PEN. M-96 TO FW LINE PER SP-ISI-GRIND-1 TO ALLOW	WORK COMPLETED AS PER PROCEDURE SP.ISI-GRIND1	11/13/85
854799	M-94	REMOVE INSULATION FROM AROUND PENETRATION M-94 TO ALLOW INSPECTIONS OF LUGS,SIMILAR TO WORK DONE ON M-95.	REMOVED INSUL. AROUND M-94, REINSUL M-94.	12/12/85
854844	HCV-1041A	JUST BEFORE STARTUP TORQUE THE ROCKSHAFT PACKING GLANDS TO 50 FT LB AND CYCLE (REPEAT 3 TIMES) THEN ISI	TORQUED 3 TIMES EACH NUT TO 50 LBS AS PER MO.OPERATING PROCEDURE 3 TIMES THEN DID ST-ISI-MS-1 P.2 ENGINEERIN	01/02/86
854844	HCV-1042A	JUST BEFORE STARTUP TORQUE THE ROCKSHAFT PACKING GLANDS TO 50 FT LB AND CYCLE (REPEAT 3 TIMES) THEN ISI (BOT	TORQUED 3 TIMES EACH NUT TO 50LBS AS PER MO. REPEATED PROCEDURE 3 TIMES THEN DID	01/02/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
854850	RC-6	REMOVE PAINT FROM BETWEEN HEAD FLANGE TO SIESMIC SKIRT BETWEEN STUD HOLES 42 TO 44. NEEDED TO PREPARE FOR SP	CLEANED AREA AS PER INSTRUCTIONS BY GREG KEIESER IN ACCORDANCE WITH PRC PROCEDURE.	11/13/85
854869	AE-1	OPEN EQUIPMENT HATCH	OPEN EQUIPMENT HATCH AS REQUIRED.	12/04/85
854870	AE-1	CLOSE EQUIPMENT HATCH	CLOSED EQUIPMENT HATCH AS PER MO.	12/21/85
854885	RC-2B	NEED TO MOVE THE TWO, 1/2 INCH LINES FROM IN FRONT OF THE TUBELANE HAND-HOLE TO ALLOW FOR BETTER ACCESS DUR-	TUBING WAS TAPED UP OUT OF THE WAY BY CRAFT DOING THE SLUDGE LANCING PERSON ON THE JOB SAID TUBING WAS OUT O	11/13/85
854892	HCV-1384-O	WHILE PERFORMING SP-MOV-1 FOR HCV-1384 FOUND MOBIL 28 GREASE DARK AND HARD.	CHANGED GREASE IN LIMIT SWITCH AND RETURNED TO VALVE HAND OPERATED VALVE SET LIMITS.ST-ISI-FW-1 WAS PERFORMED	11/12/85
855202	SE	MACHINE 'B' GENERATOR COLD LEG NOZZLE DAM SECTION PER NES SPECIFICATION TO FACILITATE INSTALLLATION.	MACHINED NOZZLE DAMS PER NES SPECIFICATIONS	10/20/85
855205	SI-5	REMOVE RECESS PLUG TO SIRWT.	REMOVED COVER FROM STRUT WENT ON RWP 476	10/27/85
855208	HCV-2947	HCV-2947 DOES NOT OPEN.	OPENED VALVES	11/30/85
855211	RC-7E	MOVE THE UGS FROM THE DOUGHNUT TO ITS STORAGE POSITION IN THE LOWER CAVITY.	SET LIFT RIG(UGS)IN LOWER CAVITY.	12/24/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
855213	CH-1B	PERFORM SPECIAL TEST OF CH-1B FROM A UX SHUTDOWN PANEL PER ATTACHED PRC A PPROVED PROCEDURE.	PERFORMED ATTACHED TEST PROCEDURE AF TER MODIFYING CIRCUIT PER PROCEDURE CHANGE NUMBER 16849 TO SRDCO-85-43	01/02/86
855304	SI-10	REINSTALL THE CABHULL (SI-9&10) MANW AYS USE NEW FLEXATALLIC CQE GASKETS BACKED BY CQE RTV. TORQUE BOLTS TO 2	INSTALLED NEW FLEX GASKETS IN BOTH S UBHULLS TORQUED SI-9 HULL 390FT LBS 010186JHG	01/01/86
855304	SI-9	REINSTALL THE CABHULL (SI-9&10) MANW AYS USE NEW FLEXITALLIC CQE GASKETS BACKED BY CQE RTV. TORQUE BOLTS TO 2	INSTALLED NEW FLEX GASKETS IN BOTH S UBHULLS TORQUED SI-9 HULL 390 FT.LBS 010186 JHG	01/01/86
855528	HE-1	POLAR CRANE WON'T WORK - DOES NOT MO VE.	OPERATOR ERROR-BRIDGE AND AUX.HOIS SWITCH ON AT THE SAME TIME,WHICH P VENTED THE CRANE FROM OPERATING.THE	11/27/85
857008	MS	WELD REPAIR UNDERFILL AT BASE OF SUP PORT LUGS ON PENETRATION M-95. SEE DETAILED WORK INSTRUCTIONS FOR WELD	AS PER PROCEDURE	12/16/85
857012	FH-1	REMOVE WATER FROM BRIDGE RAIL TROUGH AND CLEAN BRIDGE RAIL ON NORTH SIDE.	REMOVED WATER AS PER DUTY HPS.	11/20/85
857016	RC-2A	REMOVE INSULATION FROM WELDS # 3-7 ON FIGURE B-7. CLEAN WELDS IF NECES SARY AND RE-INSULATE FOLLOWING ISI	REMOVED INSULATION FROM WELDS 3-7 CLEANED WELDS3-7 AS PER INSTRUCTIONS REINS.WELDS 3-7	12/10/85
857022	HCV-150	REINSULATE PIPE HANGERS 1-PR-1 AND 1-PR-2. THEY ARE LOCATED DIRECTLY ABOVE HCV-150. ANY QUESTIONS, CON-	REINSUL. PIPE HANGERS 1-PR-1 AND 1-P R-2.	11/18/85
857023	RC-2A	ENSURE THE PIPE CLAMP BOLTING ON MSS -8 AND MSH-75 ARE SNUG. DOUBLE NUT THE CLAMPING IF POSSIBLE USING CQE N	TIGHTENED NUTS ON MSS-8. NUTS ON MSH -75 WERE TIGHT. NOT ENOUGH THREAD TO DOUBLENUT ON EITHER HANGER.	11/18/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857024	SI-208	ENSURE THE PIE CLAMP BOLTING ON SIS-119 IS SNUG. DOUBLE NUT THE CLAMPING IF POSSIBLE USING CQE	TIGHTENED NUTS ON PIPE CLAMP. DOUBLE NUT ONE BOLT.	11/19/85
857042	HCV-331-M	GREASE WAS FOUND TO BE LOW. GREASE WAS NOT CHANGE DURING LAST OUTAGE.	CHANGE GREASE.JJ112185 COPY OF SURVEILLANCE TEST IS ATTACHE D.	01/16/86
857049	94/1045	SHORTED DIODE ON RELAY COIL	INSTALLED NEW DIODE ACROSS RELAY COI LS. PERFORMED RELAY OPERABILITY TEST IN LIEU OF ST-FW-1.	11/15/85
857054	RC-6	REMOVE PAINT ON CLOSURE HEAD BETWEEN STUDS 42-43 (AT LEAST 4" WIDE). USE FLAPPER WHEEL, 120 GRIT OR COARSER.	REMOVED PAINT ON HEAD BETWEEN #42-43 STUD AS PER INSTRUCTIONS.	11/15/85
857057	SI-10	REMOVE SUB HULL ACCESS COVER, LET ELECTRICIANS PERFORM MAINTENANCE, REINSTALL COVER FOLLOWING MAINTENANC	OPEN UP MANWAY SI-10 COVERS REINSTALLED ON ANOTHER MO.	01/04/86
857061	RC-2A	NEED TO RUN COMPRESSED AIR LINE TO HANDHOLE ON RC-2A. CHICAGO FITTINGS. TALK TO JON HANSEN FOR DETAILS.	RAN AIR LINE TO R.C.-2A HAND HOLE.	11/18/85
857070	PC	ALARMS FOR PT-3117 ON ERF COMPUTER D O NOT AGREE WITH CP	CHANGED SET POINTS AS PER CP-3117 R1 PROGRAMMERS WERE NOTIFIED OF CHANGE.	11/20/85
857071	PT-3177	HIGH ALARM FOR PT-3177 ON ERF DOES N OT AGREE WITH CP	CHANGED SET POINTS AS PER CP-3177 R3 PROGRAMMERS WERE FOTIFIED OF CHANGE.	11/20/85
857072	PT-3157	HIGH ALARM FOR PT-3157 ON ERF DOES N OT AGREE WITH CP	CHANGED SET POINTS AS PER CP-3157 R2 PROGRAMMERS WERE NOTIFIED OF CHANGE	11/20/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857081	SI-CS	DRAIN WATER OUT OF SUBMARINE HULL AROUND HCV-383-3. WATER IS INTERFERING WITH MOVATS AND ISI WORK.	REMOVED WATER FROM SUBHULLS AROUND HCV-383-3	11/20/85
857090	HCV-383-3	WATER HAS LEAKED FROM HCV-383-3 INTO TANK SI-9. TANK REQUIRES DRAINING AND DECONNING AND VAVLE REQUIRES	REPACKED VALVE USING 187I 5RING-REMOVED 4 RINGS. ST-CONT-3 WILL BE DONE UNDER MO 8577	11/23/85
857091	HCV-383-4	WATER HAS LEAKED FROM HCV-383-4 INTO TANK SI-10. TANK REQUIRES DRAINING AND DECONNING VALVE REQUIRES REPAIR	REPACKED VALVE USING 187I REMOVED 4 RINGS OF PACKING,REPLACED 4 RINGS. ST-CONT-3 WILL BE DONE UNDER MO 8577	11/23/85
857104	AI-RPS	"D" CHANNEL WIDE RANGE INDICATES 0 CPS. ALL OTHER CHANNELS INDICATE AT LEAST 1 CPS.	POWER WAS OFF TO CHANNEL D PREAMP DURING INVERTER WORK,IT IS NOW RESTORED.	12/19/85
857108	PA-115	ALARM MODULE WILL NOT REPEAT	USE OF TOGGLE SWITCH ON FOXBORO CALIBRATOR TO VARY INPUTS WOULD CAUSE READINGS TO SPIKE INTO ALARM.SWITCHED	11/20/85
857122	RC-113	REINSULATE TCV-202 AND THE TWO VALVES NEAR IT, RC-113 AND RC-134. REFER TO FIGURE A-47.	REINSUL TCV-202 AND RC-113, RC-134	11/27/85
857122	RC-134	REINSULATE TCV-202 AND THE TWO VALVES NEAR IT, RC-113 AND RC-134. REFER TO FIGURE A-47.	REINSUL TCV-202 AND RC-113,RC-134.	11/27/85
857122	TCV-202	REINSULATE TCV-202 AND THE TWO VALVES NEAR IT, RC-113 AND RC-134. REFER TO FIGURE A-47.	REINSUL TCV-202 AND RC113, RC134	11/27/85
857123	RC-2A	REINSULATE PIPE HANGERS 10-PR-1 AND 10-PR-2 SHOWN IN FIGURE B-3.	REINSULATED PIPE HANGERS10-PR-1&10-PR-2	12/09/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857124	RC-2B	REINSULATE FEEDWATER WELDS 5-11 AS SHOWN ON THE ATTACHED FIGURE B-8. ALSO REINSULATE FEEDWATER PENETRA-	REINSULATE FW WELDS 5-11	12/10/85
857125	M-94	REINSULATE PENETRATION M-94.	REINSUL PEN M-94	12/13/85
857156	AC-CCW	CLEAN CORROSION FROM AREAS ON CCW PI PING ON REACTOR HEAD PER ATTACHED DR AWING TO ALLOW UT TESTING. CONTACT	CLEANED 3" PLACES ON PIPES.	12/04/85
857159	RC-113	VALVE CURRENTLY HAS PACKING LEAKS. TIGHTEN PACKING OR REPACK VALVE AS REQUIRED.	TIGHTENED PACKING.	11/28/85
857160	RC-119	VALVE CURRENTLY HAS PACKING LEAKS. TIGHTEN PACKING OR REPACK VALVE AS REQUIRED.	TIGHTENED PACKING.	11/28/85
857176	RC-10-02	AUTOCLAVE GASKET LEAKS REACTOR COOLA NT	REPLACED GASKET PER ATTACHED PROCEDU RE.	01/10/86
857177	RC-10-16	AUTOCLAVE GASKET LEAKS REACTOR COOLA NT	REPLACED GASKET PER ATTACHED PROCEDU RE.	01/10/86
857178	RC-10-32	AUTOCLAVE GASKET LEAKS REACTOR COOLA NT	REPLACED GASKET PER ATTACHED PROCEDU RE.	01/09/86
857181	HCV-151	THE MOTOR IS RUNNING ON HIGH AMPS. (IT IS SUSPECTED THAT THE PACKING IS TO TIGHT.)	LOOSENED PACKING AS PER WORK INSTRUC TIONS.CHECKED CURRENT OPENINGS=2.0AM P,CLOSING=2.0AMPS,TORQUEOUT=6.25AMPS	11/29/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857184	PCV-2949-E/P	RELAY NEEDS REPLACED ON POSITIONER	REPLACED RELAY,PERFORMED CP-2949X CP IN I&C SHOP FILES.	12/04/85
857189	PCV-2929	PACKING BORON RESIDUE ON VALUE	CLEANED OFF BORIC ACID & TIGHTENED P ACKING GLAND.	11/25/85
857191	HC-2909	METER MOVEMENT ON HAND CONTROL UNIT HC-2909 IS NOT FUNCTIONING PROPERLY.	REPLACED MODULE HC-2909,COMPLETED CP -2909X-1.	12/05/85
857196	FH-1	SAND RAILS FOR BRIDGE AND TROLLEY AND APPLY A VERY LIGHT COATING OF WD-40 TO THE RAILS.	SANDED RAILS AND APPLIED WD40 AS PER RESSLER.	10/20/85
857207	86A/STLS	TO PERFORM ST-ESF-4 AND 13 IT IS NECESSARY TO RESET 86A/STLS AND 86B/STLS. IT WILL BE NECESSARY TO	INSTALLED AIR JUMPER TO 383 SWITCHES TO SIMULATE 200"LEVEL.JUMPER LOG M-85-28 112185.REMOVED JUMPERS AND CLE	12/03/85
857207	86B/STLS	TO PERFORM ST-ESF-4 AND 13 IT IS NEC ESSARY TO RESET 86A/STLS AND 86B/STL S. IT WILL BE NECESSARY TO DUMMY IN	INSTALLED AIR JUMPER TO 383 SWITCHES TO SIMULATE 200" LEVEL. JUMPER LOG M -85-28 112185. REMOVED JUMPERS & CLE	12/03/85
857224	RC-113	CLEAN PACKING BOLTS/STUDS ON RC-113, JUST DOWNSTREAM OF TCV-202.REMOVE BA AND WIRE BRUSH TO BURNISHED SURFACE.	CLEANED PACKING GLAND STUDS AS PER W ORK INSTRUCTIONS.	11/25/85
857232	RC-1	PAINT THE REACTOR CLOSURE HEAD BETWE EN STUDS 42 AND 44, WHERE PAINT HAS BEEN REMOVED FOR AN ISI EXAMINATION.	PAINT REACTOR HEAD BETWEEN #42 AND # 44 AS PER INSTRUCTIONS AND MP-PAINT-1.	11/23/85
857256	RC	TAKE MICROMETER READINGS ON THE NEW CEA'S AS DIRECTED BY REACTOR ENGINEE R OR PLANT ENGINEERING AS PART OF NE	MIC. CEA AS INSTRUCTION BY MARK HOLL INGSED. SEE MARK HOLLINGSED FOR REA DINGS.	11/25/85

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MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857257	RC-2A	REMOVE WEST HANDHOLE COVER THAT DID NOT ACHIEVE PROPER GASKET CRUSH AND REINSTALL WITH NEW GASKET	INSTALLED NEW FLEX GASKET AND RETORQUED	11/22/85
857258	RC-2B	REMOVE NORTH HANDHOLE COVER THAT WAS INSTALLED COCKED AND REINSTALL WITH A NEW GASKET	REMOVED NORTH HANDHOLE AND REPLACED WITH NEW GASKET AS PER PROCEDURE.	11/22/85
857279	RC-2B	CLOSE SECONDARY MANWAYS PER MP-RC-2-2B. OBSERVE QC HOLDPOINTS.	INSTALLED NEW GASKETS AND FOLLOWED PROCEDURE.	11/23/85
857282	HCV-2504A-33A	DUAL INDICATION SHOWN ON POSITION INDICATION LIGHTS ON MAIN CONTROLBOARD WHEN VALVE IS OPEN OR CLOSED.	CYCLED VALVE AND FOUND INDICATOR WORKING PROPERLY.	11/23/85
857283	HCV-2504B-33A	DUAL INDICATION SHOWN ON POSITION INDICATOR LIGHTS ON MAIN CONTROL BOARD WHEN VALVE IS OPEN OR CLOSED.	ADJUSTED LIMTS,CHECK OUT OK.CYCLED VALVE,HAD PROPER INDICATION.	11/23/85
857306	M-72	ASSURE THAT BLANK FLANGES ARE INSTALLED AND NUTS SNUG---DO LRT (WAS APPARENTLY DONE UNDER M0853930WHICH DID	ASSURED THAT BLANK FLANGES ARE INSTALLED AND NUTS WERE SNUG,VERIFICATION IS COMPLETE.	11/26/85
857319	FH-1	ADJUST HOIST DRIVE CONTROLLER	ADJUSTED HOIST CONTROLLER AS PER KEVIN HYDE'S DIRECTION.VERIFIED PROPER OPERATION PRIOR TO RESUMING FUEL HAN	11/23/85
857334	FH	PERFORM POST-OP ON CONTAINMENT SIDE FUEL HANDLING EQUIPMENT AFTER FUEL MOVEMENT AND CORE VERIFICATION.	PER ATTACHED PROCEDURE.	12/23/85
857335	RC-10-02	LEAK OFF LINE HAS A "STRIPPED" FITTING.	REPLACED TWO FITTINGS AND TAPPED OUT PIPE THREAD ON SEAL HOUSING.USED A 3/8 MNPT TO 1/2 TUBE MALE TUBE ADAPTE	12/18/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857342	AI-ESF	PARTS OF ST-ESF-2 F.3 NEED TO BE RETESTED. SEE J FOLEY FOR DETAILS.	TEST PERFORMED PER ATTACHED PRC APPR OVED PROCEDURE	12/24/85
857349	HE-1	REPAIR SIGHT GLASS ON GEAR DRIVE	SIGHT GLASS WAS KICKED OVER.OIL SPIL LED OUT OF GEARBOX SIGHTGLASS TIGHTE NED.3 GALLONS OF OIL ADDED TO GEARBO	11/25/85
857350	AE-2	PAL OUTER DOOR NEEDS REPAIR OF GEARI NG AND BEARINGS.	TIGHTENING BOLTS ON BUSHING AND GREA SED. ST-CONT-2 COMPLETED 112685 AT 1400 RLH	11/26/85
857351	RCP-B3	SNUBBERS RCP-B3 AND RCP-B4 ARE REPOSIONED, NEED TO HAVE 3/8 INCH TUBING ADDED TO CONNECT SNUBBER	INSTALLED 3/8" SS TUBING AND FITTING S AS NEEDED. PERFORMED 1ST-HSS-5 AS PER MO.	12/10/85
857351	RCP-B4	SNUBBERS RCP-B3 AND RCP-B4 ARE REPOS IONED, NEED TO HAVE 3/8 INCH TUBING ADDED TO CONNECT SNUBBER TO RESERVOI	INSTALLED 3/8" SS TUBING AND FITTING S AS NEEDED. PERFORMED ST-HSS-5 AS P ER MO.	12/10/85
857352	RCP-D1	SNUBBERS RCP-D1 AND RCP-D2 WERE REPOSITIONED, NEED TO ADD 3/8 INCH TUBING TO CONNECT SNUBBER	INSTALLED 3/8" SS TUBING AND FITTING S AS PER MO PERFORMED ST-HSS-5 AS PE R MO	12/10/85
857354	VA-6A	AFTER CHARCOAL TEST CANISTERS ARE INSTALLED (MO #854514) REMOVE THE LOOSE CHARCOAL TRAYS FROM FILTER	2 TRAPS WERE REMOVED AND SENT TO STO REROOM.2 TRAPS WERE TOO CONTAMINATED TO REMOVE AND WERE SCRAPPED AS PER	01/16/86
857354	VA-6B	AFTER CHARCOAL TEST CANISTERS ARE IN STALLED (MO #854514) REMOVE THE LOOS E CHARCOAL TRAYS FROM FILTER HOUSING	2TRAYS WERE REMOVED & SENT TO STORER OOM.2 TRAYS WERE TOO CONTAMINATED TO REMOVE & WERE SCRAPPED AS PER PLANT	01/16/86
857376	LT-903V-1	903V-1 MISSING T-FITTINGS,INSTALL ON BOTH SIDES	REPLACED TEST FITTINGS,VENT AND FILL ED TRANSMITTER IN SCCORDANCE WITH CP	12/21/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857378	LT-906Y-1	LT-906Y-1 IS MISSING T-FITTINGS,INST FITTINGS ON BOTH SIDES	REPLACED TSET FITTINGS,VENT AND FILL ED TRANSMITTER IN ACCORDANCE WITH CP	12/21/85
857392	RC-157	VALVE IS LEAKING BY. TIGHTEN PACKING OR REPACK AS NEEDED.	REPACKED AS REQUESTED	12/17/85
857395	HCV-335	PLACE BLANK FLANGES WHERE HCV-335 VA LVE WAS FOR TESTING.	MADE UP BLIND FLANGE FOR HCV-335 AND INSTALLED.	11/27/85
857408	M-94	GRIND OUT THE INDICATIONS ON MS PENE TRATION LUG WELDS USING THE ATTACHED DETAILED PROCEDURE. PERFORM WORK ON	PER ATTACHED	12/04/85
857411	RC	REPLACE EXISTING HJTC THERMOCOUPLE PROBE WITH NEW PROBE FROM VENDER	PERFORMED MP-HJTC-3 SEE ATTACHED SHEETS	12/12/85
857422	FW	REMOVE SURFACE INDICATIONS FROM FW LINES TO LOOPS A & B BETWEEN THE BIO SHLDAND PENETRATIONS M-93 AND M-96	WORK COMPLETED ON FW A LOOP ON WELDS 3,6,AND 7 AND FW LOOP B ON WELDS 5, 7,10,AND 11 AS PER PROCEDURE SP.ISI-	12/06/85
857433	VA-7C	REPLACE BOLTS THAT DO NOT HAVE LOCK WIRE HOLES.	REPLACED ALL 8 BOLTS AND TIE WIRED P ER INSTRUCTIONS.	12/12/85
857447	HE-1	PERFORM INSPECTION OF POLAR CRANE PR IOR TO HEAVY LIFT.	COMPLETED AS PER ATTACHED PROCEDURE.	11/30/85
857457	MSS-8D	HYDRAULIC SNUBBER MSS-80 IS LEAKING AND NEEDS REPAIR. IT IS LOCATED DIRECTLY ABOVE SI TANK 6B IN CONTAIN	INSPECTED SNUBBER AND FOUND IT TO BE OK.ITS SLIGHTLY MOIST AT SHAFT WIPE R.OIL RESEVOIR IS 1/2 MARK HIGH THE	12/04/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857458	MS	SNUG THE NUTS ON PIPE HANGER MSH-76 LOCATED JUST ABOVE SI TANK 6-B. CONTACT GREG KRIESER IF ANY QUESTION	SNUG NUTS ON BOLTS ON PIPE HANGER.	12/04/85
857494	HCV-327-33A	WHILE PERFORMING SP-MOV-1 FOUND GREA SE IN LIMIT SWITCH TO BE BAD.	REPLACED GREASE IN LIMIT SWITCH. WIL L BE TESTED UNDER SP-MOV-1 MO 853739 MP-DEGRE-2 WAS NOT REQUIRED BECAUSE	12/04/85
857529	HCV-249	VALVE DOES NOT OPERATE PROPERLY NEED TO CHANGE OUT INNER SPRINGS	PER ATTACHED PROCEDURE	12/26/85
857533	MS	SNUG UP THE BOLTING ON MS PIPE HANGE R MSS-80 LOCATED ABOVE SI TANK 6B.	SNUG NUTS ON BOLTS ON PIPE HANGER SN UBBER.	12/04/85
857577	LT-599	LI-599, CONTAINMENT SUMP LEVEL RECIEVER,THE METER DOES NOT RESPOND SMOOTHLY AND GETS HUNG UP.	REPLACED METER,CALIBRATED AS PER CP- 599	12/09/85
857581	TIB-4A	TIB-4A MOTOR OUT OF ADJUSTMENT WITH CAM.	REPLACED RACKING MOTOR COUPLING AND ADJUSTED MOTOR.	12/10/85
857582	SI-1B	SI-1B RACKING CHAIN IS TOO LONG.	READJUST CHAIN.	12/14/85
857584	RC-100	INSTALL TYGON TUBING TOTHE REACTOR HEAD VENT FLANGE OFF OF RC-100.	INSTALLED RC-100 TYGON TUBING.	12/08/35
857585	RC-100	REMOVE TYGON TUBING AND FLANGE FROM THE REACTOR HEAD VENT FLANGE OFF OF RC-100.	REMOVED TYGON TUBING AND FLANGE FROM THE REACTOR HEAD,VENT FLANGE OFF OF RC-100 AS REQUESTED.PUT BACK IN SERV	12/18/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857590	FW-19	CLEAN THE RUST AND DIRT ACCUMULATION FROM THE INSIDE OF THE TANK AFTER TH E MOD WORK IS DONE AND PRIOR TO FILL	CLEAN TANK-RINSED-VACUUMED-WIPED WIT H CLEAN RAGS.	12/31/85
857593	94-B-5/LS	TAG OUT DW-46B-1. BLOCK CONTACT 7-8 OF RELAY 94-B-5/LS OPEN. CHECK CONTI NUITY BETWEEN RELAY TERM 7 & B-43, &	PERFORMED ATTACHED PROCEDURE	12/13/85
857597	RC	THE CONNECTORS FOR THE HJTC'S MUST B E MODIFIED UNDER WARRENTY BY CE. CE TO PERFORM ALL WORK.	PERATTACHED PROCEDURE	12/16/85
857619	RC	INVESTIGATE PROBLEMS ASSOCIATED WITH CET'S E-11 AND C-7 AS DOCUMENTED IN MO 853737	SEE ATTACHED PROCEDURE BOTH CABLE SEGMENTS REPAIRED.	12/10/85
857642	EE	NEED CABLE TRAYS IN CONT. CLEANED.	REPLACED TRAY COVERS & CLAMPS ON LOO SE TRAYS-VACUUMED & REMOVED DEBRIS O N ASSESSABLE AREA OF CONTAINMEMNT.RE	01/06/86
857659	RC-3A	REPLACE THE 1" 1500 LB STYLE R GASKETS IN THE PRESS TRANS LINE OF RC-3A(OLD ONE WERE USED--NONE	REPLACED GASKET	12/17/85
857714	MS-282	STUDS ON THE DISCHARGE FLANGE DO NOT PENETRATE BOTH NUTS. REPOSITION NUT S OR INSTALL LONGER STUDS, STOCK NO.	REPOSITIONED NUTS ON STUDS	12/18/85
857715	FWS-38	PULLED FROM THE CEILING IN CONTAINME NT,NEEDS EVALUATION/REPAIR. NOTIFY Q.C.FOR LOCATION.	TOOK MEASUREMENTS PER ATTACHED	12/23/85
857723	SI-CS	REMOVE STRAINER BASKET, INSTALL BLANK FLANGE, I&C TO PERFORM TEST ON PENETRATION, REMOVE	REMOVED BLANK FLANGE AND INSTALLED STRAINER BASKETS, TIGHTENED BOLTING	12/20/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857737	MSS-3	REMOVE INSULATION FROM TOP OF MSS-3 PIPE CLAMP TO ALLOW ACCESS FOR TIGHTENING.	REMOVED INSUL FROM M55-3 PIPE CLAMP. REINSUL MSS-3 PIPE CLAMP	12/12/85
857745	MS-275	ONE STUD ON THE DISCHARGE FLANGE DOE S NOT PENETRATE BOTH NUTS. REPOSITIO N NUT OR INSTALL LONGER STUD, STOCK	REPOSITIONED NUTS ON STUDS	12/18/85
857746	MS-277	TWO STUDS ON DISCHARGE FLANGE DO NOT PENETRATE BOTH NUTS. REPOSITION NUT S OR INSTALL LONGER STUD, STOCK NO.	REPOSITIONED NUTS ON STUDS	12/18/85
857748	MS-278	ONE STUD ON THE DISCHARGE FLANGE DOE S NOT PENETRATE BOTH NUTS. REPOSITIO N NUT OR INSTALL LONGER STUD, STOCK	REPOSITIONED NUTS ON STUDS	12/18/85
857749	MS-279	ONE STUD ON THE DISCHARGE FLANGE DOE S NOT PENETRATE BOTH NUTS. REPOSITIO N NUTS OR INSTALL LONGER STUD, STOCK	REPOSITIONED NUTS ON STUDS	12/18/85
857750	MS-281	TWO STUDS ON DISCHARGE FLANGE DO NOT PENETRATE BOTH NUTS. REPOSITION NUT S OR INSTALL LONGER STUD, STOCK NO.	REPOSITIONED NUTS ON STUDS	12/18/85
857759	SE	CHECK TORQUE ON THE SEISMIC SUPPORTS TORQUED WITH WRENCH T-9 ON 12-2-85 FOR MR-FC-84-127 AND MR-FC-84-140.	RETORQUED FOR MR-FC-84-127 122085 RETORQUED CLAMPS ON HANGERS 144 AND 146 FOR MR-FC-84-140 010286	01/02/86
857764	RC-113	REPACK VALVE - UNDER 'B' GENERATOR BAY.	REPACKED TOP 3 RINGS	12/14/85
857765	RC-114	REPACK VALVE - UNDER 'B' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857766	RC-148	REPACK VALVE - UNDER 'B' GENERATOR BAY.	REPACKED TOP 3 RINGS	12/14/85
857767	RC-116	REPACK VALVE - UNDER 'B' GENERATOR BAY.	REPACKED TOP 3 RINGS	12/14/85
857768	RC-120	REPACK VALVE - UNDER 'B' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85
857769	RC-135	REPACK VALVE - UNDER 'B' GENERATOR BAY.	REPACKED TOP 3 RINGS	12/14/85
857770	RC-158	REPACK VALVE - UNDER 'B' GENERATOR BAY.	REPACKED TOP 3 RINGS	12/14/85
857771	RC-159	REPACK VALVE - UNDER 'B' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85
857772	RC-109	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85
857773	RC-108	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED AS REQUESTED	12/17/85
857774	RC-153	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED TOP 3 RINGS	12/14/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857775	RC-154	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85
857776	RC-163	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85
857777	RC-132	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85
857778	RC-105	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85
857779	RC-101	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED AS REQUESTED	12/17/85
857780	RC-156	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED AS REQUESTED	12/17/85
857781	RC-110	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED 3 TOP RINGS	12/14/85
857782	CH-345	REPACK VALVE - UNDER 'A' GENERATOR BAY.	REPACKED TOP 3 RINGS	12/14/85
857785	RC-10	HJTC PRESSURE BOUNDARY GRAYLOC FLANGE ASSEMBLY PER MP-RC-10-2-A	VENTED HJTC AND REPLACED O-RING AND TORQUED PER PRC RC-10-2-A-1.REPLACED HJTC GREYLOK ASSEMBLY PER RC-10-2-A	12/21/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857791	MS-280	MS-280 HAS BEEN TESTED AND IS READY TO INSTALL	MS-280 INSTALLED AS PER INSTRUCTION.	12/20/85
857793	HCV-1107A-20	HCV-1107A WILL NOT OPERATE ELECTRICALLY.	VERIFIED CLOSED SIGNAL TO VALVE.REPLACED SOLENOID,PERFORMED ISI-FW1 TO INSURE OPERABILITY.PERFORMED ATTACHED	01/01/86
857829	PCV-103-2	GREEN LIGHT BULB DOES NOT GO OUT WHEN VALVE OPENS.	ADJUSTED LIMIT SWITCH FOR GREEN LIGHT.	12/23/85
857834	AC-CCW	PRESSURE TEST TO DETERMINE LEAKS AND REPAIR AS NECESSARY. RETEST AFTER REPAIRS	WORK PERFORMED AS PER WORK INSTRUCTIONS.	12/20/85
857869	HCV-383-4-M	REPACK LIMIT SWITCH PER SP-MOV-1 ATTACHED TO MO 852123 CV	CHANGED OUT GREASE IN LIMIT SWITCH GRAHAM PERFORMED SP-MOV-1 ATTACHED SECTION F.1 OF ABOVE REFERENCED SURV	12/20/85
857882	RC	REMOVE AND REINSTALL THE GRAYLOC SEAL ON RC-10-7 AND RC-10-11 TO OBTAIN FULL THREAD ENGAGEMENT ON	REALIGNED STUDS AS PER PROC	12/17/85
857884	RC-141	REINSULATE RC-141 AFTER INSTALLATION IS COMPLETE	REINSUL RC-141	12/27/85
857885	RC-142	REINSULATE RC-142 AFTER INSTALLATION IS COMPLETE	REINSUL RC-142	12/27/85
857893	HE-1	PERFORM POLAR CRANE INSPECTION FOR THE MONTH OF DECEMBER AND PRIOR TO HEAVY LIFT.USE MP-HE-1-A.	PERFORMED POLAR CRANE INSPECTION ELECTRICAL.	12/17/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857928	HCV-333-O	OPERATOR NEEDS TO BE TIGHTENED DOWN. VALVE VIBRATES AT BEGINNING OF STROK E.	TIGHTENED BOLTS	12/21/85
857931	HE-1	NEED TO DRAIN OUT SOME OIL FROM THE LOWER BRIDGE GEARBOX.	OIL OK IN GEARBOX.VENT HOLE PLUGGED ON SITE GLASS.REPAIRED AS NEEDED.	12/18/85
857945	RC-142	GASKET SEATING SURFACE HAS A SCRATCH OR BLOW MARK 1/8"WIDE ACROSS THE ENTIRE WIDTH	MACHINE VALVE FACES PER ATTACHED PRO CEDURE. RETURN TO SERVICE JB 122685	12/26/85
857955	HCV-1041A	REPAIR OR REPLACE INSULATION ON HCV 1041A	REINSULATED HCV-1041A.	01/07/86
857956	HCV-1041B	REPAIR OR REPLACE INSULATION ON HCV-1041B	REINSULATED HCV-1041B	01/07/86
857957	HCV-1042A	REPAIR OR REPLACE INSULATION ON HCV-1042A	REINSULATED HCV-1042A.	01/07/86
857958	HCV-1042B	REPAIR OR REPLACE INSULATION ON HCV-1042B	REINSULATED HCV-1042B.	01/07/86
857969	PCV-102-1	CHECK PCV-102-1&2 SELENOID PLUNGER A TTACHMENT.THREADS ARE NOT FULLY ENGA GED IN 102-2 PLUNGER.NUT IS LOOSE ON	TIGHTENED NUTS AS PER MO.THREADS FUL LY ENGAGED.	12/28/85
857969	PCV-102-2	CHECK PCV-102-1&2 SOLENOID PLUNGER A TTACHMENT. THREADS ARE NOT FULLY ENG AGED IN 102-2 PLUNGER. NUT IS LOOSE	TIGHTENED NUTS AS PER MO THREADS FUL LY ENGAGED.	12/28/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
857986	HCV-442	HCV-442, HAS AN INSTRUMENT AIR LEAK LOCATED ON TOP OF ACTUATING DIAPHRAG M AT THE COPPER TUBING TO COMPRESSIO	TIGHTENED FITTINGS ON VALVE AND RESW EDGED TUBING.CHECKS OK.	12/28/85
857988	AE	REMOVE TRANSFER TUBE FLANGE PER MP-AE-3-1	COMPLETED AS PER PROCEDURE.	12/29/85
857992	HCV-446	AIR LINE GOING TO ACTUATING DIA- PHRAM IS LEAKING. REWORK FITTING TO ELIMINATE LEAK.	TIGHTENED FITTINGS	12/28/85
857993	HCV-2501	PACKING GLAND FOLLOWER IS LOOSE. NUT S DO NOT CONTACT GLAND FOLLOWER. THI S VALVE COULD BECOME A SERIOUS LEAK-	TIGHTENED DOWN PACKING NUTS.	12/30/85
858009	RC	TIGHTEN MISCELLANEOUS VALVE PACKINGS AND FITTINGS THAT ARE FOUND TO BE LEAKING DURING THE COLD HYDRO. DOCUM	TIGHTENED VALVE PACKINGS AND FITTING S AS PER MO.	12/22/85
858017	EE	CALIBRATE RELAYS 27-1 ON AI-40A AI-40B AI-40C	CALIBRATED RELAYS TO PICKUP AND DROP OUT VALUES.	12/26/85
858029	EE-5	WHILE PERFORMING ST-HEATER-1 STEP F.1(36). THE "BANK NO. 4 HEATERS OUT-OF SERVICE" ALARM FAILED	FOUND TWO WIRES LIFTED OFF OF TERM.# 12 OF UNIT A01 IN MCC TERM.BLOCK FOR GR #10 HEATER. LANDED WIRES AND PERF	12/27/85
858038	HCV-308-M	NEED TO CHECK CONNECTIONS ON LIMITOR QUE MOTORS TO SEE IF RAY CHEM SPLIC ES PER LIMITORQUE LETTER ON QUALIFIC	PERFORMED ATTACHED PROCEDURE. SEE MR-FC-85-220 FOR LIMITORQUE REWI RE.JJF 011386	12/24/85
858038	HCV-327-M	NEED TO CHECK CONNECTIONS ON LIMITOR QUE MOTORS TO SEE IF RAY CHEM SPLICE S PER LIMITORQUE LETTER ON QUALIFICA	PERFORMED ATTACHED PROCEDURE. SEE MR-FC-85-220 FOR LIMITORQUE REWI RE. JJF 011385	12/24/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
858043	MS	MISSING SECTION OF INSULATION ON PIPING DOWNSTREAM OF MS-337 NEEDS TO BE INSTALLED.MS-337 IS FW-10	REINSULATED PIPING DOWNSTREAM OF MS-337	01/11/86
858048	RC	MOVE THE UGS FROM THE DOUGHNUT TO IT S STORAGE POSITION IN THE LOWER CAVI TY.	VOID...COMPLETED ON MO 855211 R.L.HYDE 122785 VOID - KIRK A.MILLER 122785	12/27/85
858055	AE-1	RAISE THE EQUIPMENT HATCH	RAISED HATCH PER PROCEDURE.	12/26/85
858056	AE-1	LOWER THE EQUIPMENT HATCH	WATSON CLOSED HATCH AND SHCUTT/WOMBL E TORQUED BOLTS.	12/27/85
858081	HCV-315	OBSERVED PACKING LEAK DURING INSPECTION FOR ST-ISI-SI-4-F2.	TIGHTENED PACKING STROKE TESTED 010786 KCH	01/07/86
858082	SI-184	OBSERVED SLIGHT PACKING LEAK DURING INSPECTION FOR ST-ISI-SI-4-F2.	TIGHTENED PACKING AUX BLDG OPERATOR CYCLED VALVE AND LOOKED OK.	12/28/85
858096	HIC-1108B	THE ABOVE HAND CONTROLLER OUT- PUT IS OSCILLATING APPROX. 8% WITH NO CHANGE ON THE INPUT.	REPLACED HIC 1108B.CALIBRATED HIC 11 08B	12/30/85
858100	HCV-2500	VALVE HAS EITHER A PACKING OR FLANGE LEAK.CAN'T TELL WHICH DUE TO LAGGIN G	TIGHTENED UP SWEDGE-LOCK FITTINGS ON SAMPLE LINE.LEAKAGE STOPPED.	12/28/85
858102	RC-3B	PUMP CAVITY DRAIN APPEARS TO BE PLUG GED.	CLEANED DEBRIS OUT OF PUMP CAVITY IN FRONT OF DRAIN LINE.	12/28/85

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART I:)

MAINTENANCE OPDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
858107	HCV-331	TORQUE SWITCH FOR HCV-331 IS BROKEN.	REPLACED TORQUE SWITCH USING MOUNTIN SCREWS PROVED DSB 122885 SURV TEST PERFORMED ON 010386-COPY O	01/10/86
858110	HIC-344	THERE IS EXCESSIVE AMOUNTS OF A.C. RIPPLE ON THE POWER SUPPLY.	REPLACED C.PACITORS TO REPAIR POWER SUPPLY.COMPLETED CP-344&ST-ISI-SI-1 TO VERIFY OPERABILITY.	12/30/85
858122	FW-19	PATCH PAINT FW-19, USE CARBOLINE 368 OR APPROVED EQUIVALENT	PER PROCEDURE	12/31/85
858131	PCV-742C	ONE OF THE VALVES,EITHER PCV-742C OR D APPEARS TO BE LEAKING.WILL NOT GO UP TO PRESSURE FOR LEAK TEST.	WENT IN AND TIGHTENED DOWN ON BOTH S IDES OF THE VALVE C + D AND GAVE IT TO I&C FOR THE PRESSURE TEST. TEST A	12/30/85
858138	HCV-1042C-O	WHILE PERFORMING MR-FC-85-220 FOR HCV-1042C CONTACTORS OPERATED IRRATI CALLY AND DID NOT GET CORRECT INDICA	CYCLED VALVE - WORKED OK - SWITCH AL IGNMENT WAS WRONG IN CONTROL ROOM.	12/31/85
858139	HCV-1041C-O	WHILE PERFORMING MR-FC-85-220 FOR HCV-1042C BOTH LIGHTS REMAINED ON AFTER VALVE WAS CLOSED PER STEP	CYCLED VALVES - WORKED OK - SWITCH A LIGNMENT WAS WRONG I CONTROL ROOM	12/31/85
858140	HCV-151	INSULATION IS DAMAGED AND READY TO F ALL OFF----REPAIR INSULATION AND REM OVE ALL OF THE DUCT TAPE	REPAIRED DAMAGED INSUL. ON HCV-151 V ALVE.	01/02/86
858148	HCV-329-O	TORQUE SWITCH FOR HCV-329 NEEDS TO BE REPLACED. BALANCING SCREW IS BROKEN.	REPLACED TOSQUE SWITCH AND REWIRED P ER MR-FC-85-220 SEE MO 853740 FOR ST-ISI-SI-1 F.1 SURV TEST WAS PERF	01/10/86
858152	CH-183	DISCHARGE FLANGE ON RELIEF VALVE LEAKS. APPEARS TO BE MISS ALIGHNED.	REPLACED DISCHARGE FLANGE GASKET,RET ORQUED.	01/03/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
858156	HCV-327	PACKING LEAK OFF LINE IS LEAKING AT THE SWAGLOCK FITTING NEAREST THE DRA IN LINE.	FITTING WAS LOOSE-TIGHTENED FITTINGS NEAREST DRAIN LINES.	01/03/86
858159	SI	BORIC ACID RESIDUE ON VALVE IN SEVER AL PLACES.	HAS LEAKED AT ONE TIME BUT NOT LEAKI NG AT THIS TIME.TIGHTENED BONNET BOL TS AND FLANGE NUTS AS PER MO.	01/02/86
858161	PCV-742A	PCV-742A & PCV-742B LEAKING 5.4 SCFM FOUND DURING ST-CONT 3. NEED FITTER SUPPORT TO REDUCE LEAKAGE.	COMPLETED FORM FC-99 AND FOUND 650 S CCM LEAKAGE ON ST-CONT-3 DATED DEC.3 1,85.VALVE HAS ACCEPTABLE LIMITS ON	01/04/86
858161	PCV-742B	PCV-742A & PCV-742B LEAKING 5.4 SCFM FOUND DURING ST-CONT-3. NEED FITTER SUPPORT TO REDUCE LEAKAGE.	COMPLETED FORM FC-99 AND FOUND 650 SCCM LEAKAGE ON ST-CONT-3 DATED DEC. 31,1985 I&C SHOP VALVE HAS ACCEPTABL	01/04/86
858162	SI-6A	ALL SI TANKS LEAK N2. SNOOP ALL INSTRUMENT LINES AND TIGHTEN PACKING ON MANUAL VALVES AND SWAGELOK	CHECKED FOR LEAKS ON VALVES AND FITT INGS,FOUND OK EXCEPT FOR HCV-2631 WA S LEAKING SLIGHTLY AROUND PACKING AN	01/07/86
858177	AE	ALL SWAGLOK FITTINGS USED ON PENETRATIONS MUST BE INSPECTED TO DETERMINE THAT ALL CAPS ARE IN PLACE	CHECKED ALL PENETRATIONS SWAGELOK FI TTINGS AS PER ATTACHED LIST AND FOUN D THEM COMPLETE.	01/02/86
858190	CH-214	OBSERVED GAS LEAKAGE AROUND PACKING GLAND DURING PERFORMANCE OF ST-WG-1-F2. NEED TO TIGHTEN PACKING.	TIGHTENED PACKING.PERFORMED ST-WG-1, F.2 AND FOUND NO SIGNS OF LEAKAGE.	01/08/86
860019	D/DPT-114Z	D/DPT-114Z PEGGED LOW WITH FLOW IN LOOP	CHECKED VOLTAGE IN CONTROL ROOM.40VD C.CB1,2,3 AUX.DD39,40.CHECKED VOLTAG E AT TRANSMITTER.NO VOLTAGE.RECONNEC	01/06/86
860032	CH-1A	CHARGING PUMP,CH-1A, DOES NOT START.	FOUND BLOWN FUSE RE-INSTALLED NEW FUSE. TEST OPERATION OK.	01/03/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
860041	HCV-383-3	LEAK CHECK 383-3 AND 383-4 MECHANICAL SEALS AS PER ST-CONT-2 F.6.	LRTR-I&C#295 RM-13 CORR 4 295 TESTED ON 010386 AT 60PSI OK JAD 010686	01/04/86
860041	HCV-383-4	LEAK CHECK 383-3 AND 383-4 MECHANICAL SEALS AS PER ST-CONT-2 F.6.	LRTR-I&C #295 RM-13 CORR 4 295 TESTED ON 010385 AT 60PSI OK JAD 010686	01/04/86
860049	RC-100	RC-100 LEAKING PAST THE PACKING. VERY LITTLE PACKING ADJUSTMENT LEFT.	TIGHTENED NUTS.VALVE NEEDS TO BE REP ACKED DURING 1987 OUTAGE. MO 860157 WRITTEN TO REPACK.	01/08/86
860055	RC-6	REINSTALL THE REACTOR VESSEL FLANGE INSULATION	COMPLETED AS PER PROCEDURE.	01/07/86
860062	HCV-335	LEAKAGE IS OCCURRING AROUND THE SET SCREWS ON VALVE HCV-335. MAKE NECES SARY REPAIRS TO STOP LEAKAGE.	SEE VALVE REPAIR MP. REPAIR HCV-335	01/05/86
860070	CH-366	NEED TO ADD PACKING---VALVE WAS JUST REPACKED AND NOW GLAND IS BOTTOMED OUT	PACKING FOLLOWER WAS NOT BOTTOMED OU T.TIGHTENED PACKING NUTS.THERE REMAI NS APPROX.1/2"OF PACKING FOLLOWER VI	01/08/86
860071	EE	NEED TO GREASE THE ALIGNMENT PINS WI TH MARFAC EP-2 (LIGHTWEIGHT GREASE A PPROVED FOR LIMITORQUES)	GREASE BOTH GUIDE PINS WITH EP-2 6 TUBES.	01/07/86
860080	SI-6D	FILL REFERENCE LEGS AS REQUIRED ON SI-6D.	FILLED REFERENCE LEGS ON SI TANKS A, C,D	01/07/86
860081	AI-31D-DW11-R1	"A" CHANNEL RPS T-COLD INDICATION IS FLUCTUATING APPROX. .5 DEG.	REPLACED AMPLITUDE SELECTOR E 3,4 IN TM/LP CALCULATOR.PERFORMED ST-RPS-4 (ST-RPS-4 ROUTED NORMAL)	01/06/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
860097	HCV-1042C-M	REPLACE MOTOR LEAD WIRING OR REPLACE MOTOR IF NEW MOTOR HAS BEEN RECEIVED	CHANGED MOTOR LEAD WIRING, WRAPPED AND VARNISHED 3 COATS. REPLACED CRACKED MOTOR ENDBELL - SEE	01/11/86
860107	AI-RPS	THE LOWER SUB-CHANNEL ZERO-OPERATE-CALIBRATE SWITCH IS MAKING POOR CONTACT IN THE CALIBRATE	CLEANED SWITCH,CHECKS OK	01/07/86
860108	AI-RPS	CHECK HV POWER SUPPLY IN "B" CONTROL CHANNEL.	NO PROBLEM WITH H.V.CAUSED BY UNSTABLE INVERTERS MO.860131	01/08/86
860113	RC-6	INSTALL THE ICI SKIRT ACCESS COVERS	INSTALLED ICI SKIRT ACCESS COVERS AS INSTRUCTED.	01/06/86
860125	FW-180	REPAIR PACKING LEAK ON FW-180. FOUND WHILE PERFORMING ST-ISI-FW-4 (F.1). TIGHTEN PACKING ONLY.	INSPECTED AND TIGHTENED PACKING AS NEEDED.MINOR LEAKAGE WAS STILL PRESENT.	01/08/86
860126	FW-178	REPAIR PACKING LEAK ON FW-178. FOUND WHILE PERFORMING ST-ISI-FW-4 (F.1). TIGHTEN PACKING ONLY.	INSPECTED AND TIGHTENED PACKING AS NEEDED.LEAKAGE STOPPED.	01/08/86
860130	HCV-2631	HCV-2631 IS LEAKING N2 OUT THROUGH THE VALVE PACKING AND VENT OR LUBRICATING LINE ON VALVE BODY.	INSPECTED AND TIGHTENED PACKING.NO LEAKAGE DETECTED.	01/08/86
860133	HCV-2506A	VALVE HAS PACKING LEAK AS NOTED PER ST-ISI-SL-4 (F.2). MINOR IN NATURE.	INSPECTED & TIGHTENED PACKING AS NEEDED. LEAKAGE STOPPED. A PERFORMED ST-ISI-SL-1 F.2 R.PERRY 010986 1050	01/08/86
860138	EE-8H	INVERTERS A,B,C AND D ARE UNSTABLE WHEN ANY TWO ARE FEEDING THE CLUTCH POWER SUPPLIES.	SEE ATTACHED PROCEDURE	01/08/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
860138	EE-8J	INVERTERS A,B,C AND D ARE UNSTABLE WHEN ANY TWO ARE FEEDING THE CLUTCH POWER SUPPLIES.	SEE ATTACHED PROCEDURE.	01/08/86
860138	EE-8K	INVERTORS A,B,C AND D ARE UNSTABLE W HEN ANY TWO ARE FEEDING THE CLUTCH P OWER SUPPLIES.	SEE ATTACHED PROCEDURE	01/08/86
860138	EE-8L	INVERTERS A,B,C, AND D ARE UNSTABLE WHEN ANY TWO ARE FEEDING THE CLUTCH POWER SUPPLIES.	SEE ATTACHED PROCEDURE	01/08/86
860145	HCV-2502	HCV-2502 APPEARS TO HAVE A PACKING LEAK. FOUND DURING PERFORMANCE OF ST-ISI-SL-4.	REPAIRED AS NEEDED,TIGHTENED PACKING .NO LEAKAGE DETECTED.	01/09/86
860146	SL-690	THERE APPEARS TO BE A PACKING LEAK ON SL-690. FOUND DURING PERFORMANCE OF ST-ISI-SL-4.	TIGHTENED PACKING AS NEEDED	01/09/86
860165	SL-690	SWAGLOCK FITTING DOWNSTREAM OF SL-69 0 SEPARATED.ISOLATION FOR HCV-2500.	REPLACED SWAGELOCK FITTING.OLD UNION APPEARED TO BE OVERTIGHTENED.	01/09/86
860178	HCV-386-2C	PERFORM SP-SOV-1 TO MAINTAIN QUALIFI ED LIFE.	EXERCISED SELENOID VALVE AS PER SP-S OV-1	01/10/86
860179	HCV-385-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFI ED LIFE.	EXERCISED SELENOID VALVE AS PER SP-S OV-1	01/10/86
860180	HCV-2635-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFI ED LIFE.	EXERCISED SELENOID VALVE AS PER SP-S OV-1	01/10/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
860181	HCV-2634-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.	EXERCISED SELENOID VALVE AS PER SP-SOV-1	01/10/86
860182	HCV-2633-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.	EXERCISED SELENOID VALVE AS PER SP-SOV-1	01/10/86
860183	HCV-2632-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.	EXERCISED SELENOID VALVE AS PER SP-SOV-1	01/10/86
860184	HCV-2631-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.	EXERCISED SELENOID VALVE AS PER SP-SOV-1	01/10/86
860185	HCV-2630-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.	EXERCISED SELENOID VALVE AS PER SP-SOV-1	01/10/86
860186	HCV-2636-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.	EXERCISED SELENOID VALVE AS PER SP-SOV-1	01/10/86
860189	HCV-2629-20	PERFORM SP-SOV-1 TO MAINTAIN QUALIFIED LIFE.	EXERCISED SELENOID VALVE AS PER SP-SOV-1	01/10/86
860196	VA-7C	PM-EE-12 MUST BE PERFORMED ON VA-7C TO MAINTAIN QUALIFIED LIFE.	MO USED TO TRACK PM-EE-12 AND QL SHEET 8600560	01/11/86
860247	HCV-1042C	VALVE HAS BAD PACKING LEAK	TIGHTENED PACKING PERFORMED ST-ISI-MS-1 F.2 FOR HCV-1042C, RESULTS ACCEPTABLE PER REMARKS	01/13/86

MAINTENANCE ORDERS WRITTEN FOR THE 1985 OUTAGE (PART II)

MAINTENANCE ORDER NO	EQUIPMENT TAG	PROBLEM	WORK ACCOMPLISHED	WK CMP DATE
860271	HCV-1042A	HCV-1042A HAS PACKING LEAK.	TIGHTENED PACKING	01/14/86
867001	AI-31C-CW4-C/TU-06	'C-TU-6 SETPOINTS HAVE DRIFTED.	FOUND POWER SUPPLY BAD, REPLACED POWER SUPPLY, CAL AS PER CP-RPS-2, VERIFIED OPERAB AS PER ST-RPS-7 (CP IN I	01/05/86
867002	AI-31D-DW4-D/TU-06	AI-31D-DW4-D/TU-06 & AI-31D-DW4-D/TU-07 - BOTH ASGT & STEAM GENERATOR PRESSURE TRIP UNITS ARE INTERMITTINGLY	FOUND LOOSE WIRE AT DROPPING SEARATAR.TIGHTEN, PERFORMED ST-RPS-7 TO PROVE OPERABILITY.(ST-RPS-7 ROUTED NORM	01/06/86
867002	AI-31D-DW4-D/TU-07	BOTH ASGT & STEAM GENERATOR PRESSURE TRIP UNITS ARE INTERMITTINGLY TRIPPING.	FOULND LOOSE WIRE AT DROPPING RESISTOR, TIGHTEN, PERFORMED ST-RPS-7 TO PROVE OPERABILITY (ST-RPS-7 ROUTED NO	01/06/86
867009	AI-RPS	CHECK 'D' LINEAR PWR CHANNEL SUB CHANNEL OUTPUTS.	FOUND 2 FUSES OPEN ON BUFFER AMP A-9 REPL RESISTORS W/RESIS. ON SPARE ,SP ARE BUFFER HAD DIFF GAIN ON 1 OF 4 A	01/12/86
867015	HCV-2503	SWAGELOCK FITTING DOWNSTREAM OF HCV-2503 IS LEAKING.	LOOSENED UP SWAGLOCK FITTINGS AND RETIGHTENED. FITTING MIGHT HAVE BEEN C OCKED A LITTLE. LEAK STOPPED.	01/15/86

Omaha Public Power District
1623 Harney Omaha, Nebraska 68102-2247
402/536-4000

March 13, 1986
LIC-86-103

Mr. James M. Taylor, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Reference: Docket No. 50-285

Dear Mr. Taylor:

February Monthly Operating Report

Please find enclosed ten (10) copies of the February, 1986 Monthly Operating Report for the Fort Calhoun Station Unit No. 1.

Sincerely,

R. L. Andrews
Division Manager
Nuclear Production

RLA/TPM/me

Enclosures

cc: NRC Regional Office
Office of Management & Program Analysis (2)
Mr. R. R. Mills - Combustion Engineering
Mr. R. J. Simon - Westinghouse
Nuclear Safety Analysis Center
INPO Records Center
American Nuclear Insurers
NRC File

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