

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-285
 UNIT Fort Calhoun Statio
 DATE September 14, 1984
 COMPLETED BY T. P. Matthews
 TELEPHONE 402-536-4733

MONTH August, 1984

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | <u>434.5</u> | 17 | <u>468.1</u> |
| 2 | <u>452.0</u> | 18 | <u>469.8</u> |
| 3 | <u>467.7</u> | 19 | <u>470.8</u> |
| 4 | <u>467.4</u> | 20 | <u>470.5</u> |
| 5 | <u>468.3</u> | 21 | <u>471.3</u> |
| 6 | <u>467.1</u> | 22 | <u>472.0</u> |
| 7 | <u>465.3</u> | 23 | <u>472.1</u> |
| 8 | <u>465.3</u> | 24 | <u>473.4</u> |
| 9 | <u>466.4</u> | 25 | <u>474.9</u> |
| 10 | <u>464.7</u> | 26 | <u>475.1</u> |
| 11 | <u>466.2</u> | 27 | <u>473.2</u> |
| 12 | <u>466.8</u> | 28 | <u>470.4</u> |
| 13 | <u>467.5</u> | 29 | <u>469.3</u> |
| 14 | <u>467.6</u> | 30 | <u>470.3</u> |
| 15 | <u>467.4</u> | 31 | <u>472.1</u> |
| 16 | <u>467.6</u> | | |

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.

8409260593 840831
 PDR ADOCK 05000285
 R PDR

(9/77)

IE24
 1/1

OPERATING DATA REPORT

DOCKET NO. 50-285
 DATE September 14, 1984
 COMPLETED BY T. P. Matthews
 TELEPHONE 402-536-4733

OPERATING STATUS

1. Unit Name: Fort Calhoun Station
2. Reporting Period: August, 1984
3. Licensed Thermal Power (MWt): 1500
4. Nameplate Rating (Gross MWe): 501
5. Design Electrical Rating (Net MWe): 478
6. Maximum Dependable Capacity (Gross MWe): 501
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 | 744.0 | 5,855.0 | 95,857.0 |
| 12. Number Of Hours Reactor Was Critical | 744.0 | 2,778.1 | 72,672.0 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 1,309.0 |
| 14. Hours Generator On-Line | 744.0 | 2,675.7 | 72,078.2 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWH) | 1,103,037.0 | 3,713,208.0 | 90,472,921.7 |
| 17. Gross Electrical Energy Generated (MWH) | 365,278.0 | 1,196,320.0 | 29,573,889.0 |
| 18. Net Electrical Energy Generated (MWH) | 347,887.0 | 1,135,409.0 | 28,215,277.7 |
| 19. Unit Service Factor | 100.0 | 45.7 | 75.2 |
| 20. Unit Availability Factor | 100.0 | 45.7 | 75.2 |
| 21. Unit Capacity Factor (Using MDC Net) | 97.8 | 40.6 | 64.2 |
| 22. Unit Capacity Factor (Using DER Net) | 97.8 | 40.6 | 61.9 |
| 23. Unit Forced Outage Rate | 0.0 | 0.5 | 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): N/A

| | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1983

DOCKET NO. 50-285
 UNIT NAME Fort Calhoun Station
 DATE September 14, 1984
 COMPLETED BY T. P. Matthews
 TELEPHONE 402-536-4733

| 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 August, 1984. |

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

OMAHA PUBLIC POWER DISTRICT
Fort Calhoun Station Unit No. 1

August, 1984
Monthly Operations Report

I. OPERATIONS SUMMARY

Fort Calhoun Station performed moderator temperature coefficient testing at approximately 93% power on August 1, 1984. The plant reached 100% power August 2 and maintained it throughout the month. An NRC audit of plant security was conducted during August. An evaluation of operator license training is being performed. One auxiliary operator resigned during August.

No safety valve or PORV challenges occurred.

A. PERFORMANCE CHARACTERISTICS

| <u>LER Number</u> | <u>Deficiency</u> |
|-------------------|---|
| 84-011 | Radiation Monitor (RM-061/062) Disconnected. |
| 84-012 | Low Boron Concentration in Safety Injection and Refueling Water Tank. |
| 84-013 | Reactor Trip. |

B. CHANGES IN OPERATING METHODS

None

C. RESULTS OF SURVEILLANCE TESTS AND INSPECTIONS

None

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

| <u>Procedure</u> | <u>Description</u> |
|------------------|---|
| SP-FAUD-1 | Fuel Assembly Uplift Condition Detection. This procedure did not constitute an unviewed 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. |

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

System Acceptance Committee Packages for August, 1984:

| <u>Package</u> | <u>Description/Analysis</u> |
|----------------|---|
| EEAR FC-79-220 | <p>Failure Mode of HCV-545.</p> <p>This modification changed the failure mode from open to closed in accordance with 10CFR50 Appendix A requirements. This failure position provides greater safety, therefore, this modification has no adverse effect on the safety analysis.</p> |
| EEAR FC-80-19 | <p>Evaluation of Excore Detectors.</p> <p>This modification replaced the existing combination B-10 proportional and fission chamber detectors with dual fission chamber systems. The replacement systems have as good as or better specifications. Therefore, this modification has no adverse effect on the safety analysis.</p> |
| EEAR FC-83-64 | <p>Pressurizer Mini Spray Valves.</p> <p>This modification provided for replacement of the existing mini spray valves with a different valve style. The function of the valves has not been altered, therefore, this modification has no adverse effect on the safety analysis.</p> |
| EEAR FC-83-97 | <p>"B" Channel APD Calculator Module G-1.</p> <p>This modification provided for the installation of an improved updated module. The function of the module has not been altered, therefore, this modification has no adverse effect on the safety analysis.</p> |
| EEAR FC-79-06 | <p>Main Feedwater Pump Warming Line Orifices.</p> <p>This modification was a replacement in kind of the existing non-safety related feedwater pump warming line orifices, therefore, it has no adverse effect on the safety analysis.</p> |
| EEAR FC-80-31 | <p>PCV-103-1,2 Positioner Upgrading.</p> <p>This modification provided for the installation of a different model of pilot relays. The operation of the system was not altered, therefore, it has no adverse effect on the safety analysis.</p> |

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

System Acceptance Committee Packages for August, 1984: (continued)

| <u>Package</u> | <u>Description/Analysis</u> |
|----------------|--|
| EEAR FC-80-84A | Control Room Iodine Monitor (RM-065). This modification provided for the installation of a device to monitor iodine in the control room. This enhanced the existing monitoring capability, therefore, this modification has no adverse effect on the safety analysis. |
| EEAR FC-82-35 | Walkway Around Air Compressors. This modification extended the work platform around the diesel generator air compressor unit and has no adverse effect on the safety analysis. |
| EEAR FC-84-66 | Steam Generator Insulation. This modification provided for a different method of installing insulation to the bottom of the steam generators. Appropriate loads were observed, therefore, it has no adverse effect on the safety analysis. |
| EEAR FC-84-108 | Replacement/Reinsulation of Teflon Insulated Wires. This modification replaced and reinsulated penetration lead wires for safety related equipment located inside containment. This modification has no adverse effect on the safety analysis. |
| EEAR FC-83-126 | Site Security Concentrators. This modification did not involve safety related equipment, therefore, it has no adverse effect on the safety analysis. |
| EEAR FC-83-127 | Water Plant Sample Line Flow Regulators. This modification provided for the installation of sample flow manual regulating valves in each of the sample lines from the cation and anion exchange beds into the water plant control room. This modification did not involve safety related equipment, therefore, it has no adverse effect on the safety analysis. |

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

System Acceptance Committee Packages for August, 1984: (continued)

| <u>Package</u> | <u>Description/Analysis</u> |
|----------------|---|
| EEAR FC-84-15 | Feedwater Heater Liquid Level Controller Piping. This modification raised the liquid level controllers to a height where the control range is optimized. This will permit proper liquid level settings for the heaters when in service. This modification did not involve safety related equipment, therefore, has no adverse effect on the safety analysis. |
| EEAR FC-84-54 | Relocation of Fire Brigade Radio Battery Charger. This modification did not involve safety related equipment, therefore, has no adverse effect on the safety analysis. |

E. RESULTS OF LEAK RATE TESTS

None

F. CHANGES IN PLANT OPERATING STAFF

Mr. Michael Gaebel, an auxiliary operator, resigned in August.

G. TRAINING

Initial and requalification training for the 1984 Emergency Plan was conducted for plant personnel. Fire brigade practical exercises were conducted for Operations and Security personnel. Systems, theory and modification training for licensed and non-licensed operators was held as per the annual schedule.

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

| <u>Package</u> | <u>Description/Analysis</u> |
|------------------|--|
| Amendment No. 82 | This amendment adds operability and surveillance requirements for the containment hydrogen, water and pressure monitors. |

II. MAINTENANCE (Significant Safety Related)

The computer printout for this item is attached.

W. Gary Gates

W. Gary Gates
Manager
Fort Calhoun Station

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|---|--|-------------|
| 842074 | A/PIC-902 | A/PIC-902 SIGMA APPEARS TO HAVE FAILED. | EXERCISED METER FULL SCALE AND TESTED BOTH ALARMS. CHECKED GOOD. | 05/18/84 |
| 841407 | AC-10B | STARTED AND TRIPPED FREE PERFORMING ST-ESF-6. | PERFORMED PM'S ON MOTOR AND CIRCUIT BREAKER. TEST RAN MOTOR AND FOUND CURRENT TO BE 20 AMPS. MOTOR CHECKED OK. | 07/03/84 |
| 842042 | AC-12A | *A* RAW WATER STRAINER KEEPS TRIPPING OUT ON THERMALS - GEAR BOX IS HOT TO THE TOUCH. | REPLACE AC12A STRAINER WITH SPARE STRAINER (AC12'S). TEST RAN AND RETURNED TO SERVICE. | 05/18/84 |
| 841356 | AC-3A | AC-3A DID NOT TIME OUT AS PRESCRIBED IN TIME INTERVAL OF ST-ESF-6 (F.3) | CLEAN CONTACTS ON 62 RELAY. | 04/18/84 |
| 841420 | AC-3C | DURING ST-ESF-6 AC-3C TRIPPED FREE AFTER SEQUENCING ON. | ADJUSTED TRIP LATCH SCREW ON BREAKER | 04/17/84 |
| 840684 | AI | A-5-M ALARM IS FLASHING. NO APPARENT PROBLEM AND NO ANNUNCIATION | REPLACED ALARM CARD AND TESTED USING AI-60A ANN TEST SWITCHES OPERATION PROPER ALL ALARMS CLEAR. | 06/28/84 |
| 840981 | AI-ESF | DURING ST-ESF-13 STEP 31 86-B1/VIAS DID NOT TRIP. WHEN RESETTING 86-B1/VIAS 86-B1/VIAS TRIPPED. | USING C189001 TORQUED THROUGH BOLTS TO 25IN/POUNDS BY SYSTEM PROTECTION. THIS LOCKOUT WAS TESTED PER ESF-2F.4 | 06/08/84 |
| 840539 | AI-RPS | *C* CHANNEL RPS DPM METER WON'T RESPOND. METER IS MOUNTED ON CB-4 | REPAIRED 2 COLD SOLDER CONNECTIONS IN J-3 OF WIDE RANGE DRAWER. CHECKS OK. | 06/18/84 |
| 840009 | AI-31E-AW1-A6 | SUBCHANNEL DEVIATION LIGHTS ARE ON ON ALL SAFETY CHANNELS | REPLACED S-4. CHECKS OK | 03/30/84 |
| 841409 | CH-1B | CHARGING PUMP DID NOT START ON ESF-6 (F.4) TEST. | ADJUSTED C PHASE INSTANTANEOUS TRIP DEVICE. RETESTED AND OK. | 05/06/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|--|---|-------------|
| 842046 | DG | NO.2 FUEL OIL PUMP FOR DIESEL NO.2 DEVELOPED ONLY 3 PSIG DURING ST-ESF-6 | FUND PUMP MIX, BOUND, BLED AIR FROM F MP, RUN PUMP AT TWO DIFFERENT INTENSITIES, PUMP FUNCTIONED NORMALLY. | 05/15/84 |
| 840181 | EE | 1B3/MES SWITCH IN D-2 CONTROL CABINET IS DIFFICULT TO OPERATE--MAY NEED LUBRICATED. | REPAIRED CONTACTS 30 & 30C SEE MO 84 1275. BRUSHED 32, 32C TORQUED THROUGH BOLTS TO 20IN/LBS LUBED OPERATING | 04/13/84 |
| 842559 | EE-4A | BUS 1A-3 HAS SPURIOUS LOW VOLTAGE ALARM. | CHECK WITH OPERATION FROM 061884 TO 062284 ALARM HAS NOT ANNUNCIATED SINCE MO WRITTEN, MAY HAVE BEEN CAUSED | 06/22/84 |
| 841855 | EE-8C | NO.1 BATTERY CHARGER BURNT UP | PRIMARY RESISTANCE TO GROUND WAS 100 MEGOHM; SEC RESISTANCE TO GROUND WAS 100MEGOHM; PRIMARY RESISTANCE .0002OH | 05/08/84 |
| 830176 | FCV-1102 | REBUILD(MODIFY PLUG ASSEMBLY) FCV-1102 AS WAS DONE TO FCV-1101, ASSUME ALL PARTS AVAILABLE, IF SPARE PLUG AS | REPLACED PLUG ASSEMBLY AND GRAPHITE RINGS NEW GASKETS AND PACKING-WGG REASSEMBLED VALVE AS PER PROCEDURE | 05/07/84 |
| 840502 | FQS-269Y | COUNTER DOES NOT COUNT OFF FOR EACH GALLON OF ACID ADDED | CLEANED MECHANICAL SWITCH SO IT OPERATED PROPERLY-OPS CK GOOD | 03/05/84 |
| 841318 | HCV-1041C | REPLACE MOTOR | REPLACED MOTOR AND PERFORMED ATTACHED PROCEDURES. | 04/14/84 |
| 841746 | HCV-1388B | VALVE STROKE TIME EXCEEDS ALLOWABLE STROKE TIME OF 15 SECONDS. | PUT NICKLE NEVER SEIZE ON STEM AND PACKING TO REACH ACCEPTABLE STROKE TIME. 6.9 SEC. | 05/05/84 |
| 841450 | HCV-151 | MCC TRIP OUT ON OVERCURRENT | MOTOR FOUND TO BE WIRED WRONG. ONE WINDING NOT WIRED PROPERLY. DK 042084 SEE ATTACHED SUPPLEMENT NOTE DURNIN | 05/09/84 |
| 841751 | HCV-258 | HCV-258 HAS A BENT SHAFT | COMPLETED AS PER PROCEDURE | 05/08/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|--|---|-------------|
| 840580 | HCV-265 | VALVE WILL OPEN, BUT WILL NOT CLOSE ELECTRICALLY | FOUND STICKY AUX CONTACT ON CLOSE CONTACTOR, CLEANED AND LUBED | 03/12/84 |
| 841783 | HCV-265 | DISASSEMBLE, REPAIR AND REASSEMBLE VALVE. | REPLACED VALVE GATE VALVE STEM AND PACKING. | 05/22/84 |
| 841421 | HCV-268 | WHEN OPERATING CHG PUMP 'A' DURING ST-ESF-6 F.4 'B' BORIC ACID TANK LUST 20% OF LEVEL WITH HCV-268 IN | FULL TRAVEL OPEN & CLOSED MANUALLY AND WITH LIMITORQUE. VALVE SHOWS NO EXTERNAL SIGNS OF LEAKAGE. | 04/26/84 |
| 841787 | HCV-268 | HCV-268 LEAKS THROUGH. | PERFORMED ATTACHED PROCEDURES. | 05/11/84 |
| 841331 | HCV-2918 | HPSI PUMP 2C ISOL DISCH. VALVE INDICATES OPEN POSITION BUT DOES NOT GET GREEN LIGHT WHEN CHARGED TO CLOSE. | SET CLOSE LIMIT SWITCH. | 04/16/84 |
| 841909 | HCV-2918 | VALVE WILL NOT CLOSE EVEN WITH HAND JACK | COMMUNICATED WITH CONTROL ROOM CYCLED VALVE WORKING PROPERLY CONTROL ROOM IS HAPPY WITH OPERATION OF VALVE. | 05/12/84 |
| 841332 | HCV-2928 | HPSI PUMP 2A VALVE INDICATES OPEN POSITION BUT DOES NOT GET GREEN LIGHT WHEN CHARGED TO CLOSE. | SET CLOSE LIMIT SWITCH. | 04/16/84 |
| 840558 | HCV-2937 | LEAKS OIL - BOOSTER PUMP IS CYCLING. | SOLENOID VALVE NOT LEAKING BY. VOID - SEE MO 841322 JAMES FOLEY 060584 | 06/05/84 |
| 842492 | HCV-2968 | VALVE WILL NOT OPERATE FROM KEY SWITCH AT A1-128B AND BOTH VALVE POSITION STATUS LIGHTS ARE OUT. | FOUND F-7 IN A1 128B BLOWN. REPLACED FUSE AND CYCLED | 05/05/84 |
| 841754 | HCV-2974-U | MOTOR DOES NOT RUN AND TORQUE SWITCH IS BROKEN. | REPLACED LUGS ON T1, T2, T3 BENCH TEST MOTOR 2.0A PER O. 1725RPM MEGGARE D MOTOR OK 050684 7MH | 07/04/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|--|--|-------------|
| 841299 | HCV-314 | HCV-314, 318, 320 DID NOT OPEN WHEN SB B/SIAS TRIPPED DURING ST-ESF-2F RE TEST. *THEY WERE TAGGED OUT* | MANUALLY CRANKED VALVES OPEN ONE TURN OPERATED VALVES ELECTRICALLY DECLUTCH LEVER DISENGAGED AND VALVES CYC | 04/27/84 |
| 842332 | HCV-318 | THE POSITION INDICATOR FOR VALVE HCV-318 DOES NOT WORK. HCV-318 IS LOCATED IN CONTAINMENT. | CHECK SIGMA UN BENCH SIGMA GOOD. FOUND SET SCREW ON SHAFT OF POT AT VALVE LOOSE. TIGHTENED AND TESTED ADJUST | 07/05/84 |
| 840525 | HCV-385 | VALVE LEAKS THRU | REPAIRED INTERNALS AND REPACKED CHECK TO SEE IF PRINTS WERE CHANGED FROM 1.5" TO 4" VALVE. | 05/16/84 |
| 841722 | HCV-385-20 | HCV-385 - VALVES LEAK BY | SET VALVE STROKE R. PIGNOTTI. VALVE WAS NOT DISASSEMBLED. IT IS NOT THE SCOPE OF THIS MO TO DO A LEAK | 05/02/84 |
| 840526 | HCV-386 | VALVE LEAKS THRU | REPAIRED INTERNALS AND REPACKED. CHECKED TO SEE THAT PRINTS WERE CHANGED FOR 1.5" TO 4" VALVE. | 05/16/84 |
| 841723 | HCV-386-20 | HCV-386 - VALVES LEAK BY | SET VALVE STROKE R. PIGNOTTI. VALVE WAS NOT DISASSEMBLED IT IS NOT THE SCOPE OF THIS MO TO DO A LEAK TEST | 05/02/84 |
| 841309 | HCV-400B | WILL NOT OPEN WHEN AIR IS SECURED (SEE ST-IST-CC-1 4/10/84) | CHECKED OPERATION 4 TIMES. OPERATION WAS FINE. NO OTHER WORK DONE | 04/13/84 |
| 840621 | HCV-481 | HCV-481 WILL NOT OPEN | USED PIPE WRENCH TO POP VALVE OFF OF SEAT. CYCLED 4-5 TIMES TO PROVE OPERABILITY | 03/15/84 |
| 840750 | HCV-481 | HCV-481 WILL NOT OPEN. | REMOVED OPERATOR CHECK STROKE ON VALVE FAILED ON SIGHT AND FROM CONTROL ROOM SEAMS OK. | 03/29/84 |
| 841735 | HCV-482A | FAILED ACCUMULATION TEST PER ST-RWS-1 | TIGHTENED MANUAL HANDWHEEL PACKING NUT. PERFORMED ST-RWS-1 050584 SEE OI 1888. | 05/14/84 |

REFUELING DRITAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|---|---|-------------|
| 841736 | HCV-482B | FAILED ACCUMULATION TEST PER ST-RWS-1 | TIGHTENED MANUAL HANDWHEEL PACKING NUT. PERFORM ST-RWS-1. SEE OI 1888. | 05/14/84 |
| 841737 | HCV-483A | FAILED ACCUMULATION TEST PER ST-RWS-1 | TIGHTENED MANUAL HANDWHEEL PACKING NUT. PERFORMED ST-RWS-1. SEE OI 1888 | 05/14/84 |
| 841738 | HCV-483B | FAILED ACCUMULATOR TEST PER ST-RWS-1 | TIGHTENED MANUAL HANDWHEEL PACKING NUT. PERFORMED ST-RWS-1. SEE OI 1888 | 05/14/84 |
| 841454 | HCV-725A-33B | HCV-725A DOES NOT GIVE A GREEN LIGHT WHEN CLOSED | ADJUSTED CLOSE LIMIT SWITCH. | 04/24/84 |
| 840674 | LCV-383-2 | VALVE HAS PACKING LEAK. FLANGE GASKE T SHOWS EVIDENCE OF LEAKAGE. NEED TO HAVE SIRT DRAINED TO REPLACE | | 04/14/84 |
| 842602 | LT-101X | LOOPS 101X, 101Y HAVE APPROXIMATELY 6% DIFFERENCE IS LEVEL. | CHECKED & ADJUSTED AS PER SI-101X & CP-101Y. CP IN I&C SHOP FILES. | 07/07/84 |
| 842446 | LT-2904X | LT 2904X X (6A WIDE RANGE LEVEL TRANSMITTER LOST REFERENCE LEG) LT 2964Y (60 NARROW RANGE LEVEL TRANSMITTER L | FILLED REFERENCE LEGS AS PER INSTRUCTIONS | 05/29/84 |
| 841852 | MCC-4A2-F02 | WHEN CB-4 SWITCH OPERATED GROUND OCCURS ON 400 VOLT BUS 4A2 (MCC) | FOUND A PINCH WIRE - RELOCATE WIRE AND TAPE - VALVE CANNOT BE OPERATED BECAUSE IT JAM UP WHILE GOING TO THE | 04/28/84 |
| 840362 | MS-276 | REBUILD MS-276 AND SEND TO WYLE LABS FOR TESTING | REMOVED VALVE. LAPPED DISC AND SEAT. REASSEMBLED. | 03/30/84 |
| 840363 | MS-277 | REBUILD MS-277 AND SHIP TO WYLE LABS TO BE TESTED | REMOVED VALVE. LAPPED DISC AND SEAT. REASSEMBLED. | 03/30/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|--|--|-------------|
| 841747 | PCV-102-1 | HAND CONTROL SWITCH FOR PORV'S DOES NOT OPERATE PROPERLY. VALVE DOES NOT GO CLOSED,HANGS UP | CHECKED CONTROL FOUND OK LIMIT SWITCH NEEDS CHECKED FOUND SCREWS LOOSE ON LIMIT SWITCH COVERS | 05/05/84 |
| 841777 | PCV-742A | PCV-742A LEAKS BY | TIGHTENED SEAT. LEAK TEST PERFORMED 102CC 050884. ST-ISI VAIF21 PERFORMED JN 033184. NO REPAIRS MADE TO VALV | 05/10/84 |
| 840514 | PCV-742B | CONT PURGE ISOL VALVES WILLNOT OPEN | INSTALL DIAPHRAMS AND O-RINGS IN ALL VALVES. PERFORMED ST-ISI-VA-1 *NOTE WITNESSED OPERABILITY ONLY | 03/31/84 |
| 841778 | PCV-742C | PCV-742C LEAKS BY | TIGHTENED SEAT. | 05/10/84 |
| 842329 | PCV-742D | PCV-742C & D HAVE EXCESSIVE LEAKAGE. NEED TO ADJUST SEALS. | TIGHTENED ALL ALLEN SCREWS AND LUBRICATED SEATING SURFACES WITH CORNING III. SEATS REPLACED UNDER | 06/29/84 |
| 840506 | PRC-103X | CONTROLLER MANUAL ADJUSTMENT WILL NOT CHANGE THE CONTROLLER OUTPUT | REPAIRED AND CALIBRATED CONTROLLER. | 04/13/84 |
| 841198 | RC | MACHINE RCP NUTS TO ENSURE PROPER FIT AND CONSTRUCT A TENT IN MACHINE SHOP TO DO SO. | MACHINED NUT AS PER PROCEDURE TENT BUILT UNDER THE MP/HP INSTRUCTION. JAS032484 | 04/04/84 |
| 841532 | RC-10-17 | CONTROL ROD 17 IS UNCOUPLED BUT WHILE UNCOUPLING, LET DOWN TCOL WOULD ONLY TURN 2 OR 3 TURNS | AS PER ATTACHED PRCCEDURE | 05/08/84 |
| 841531 | RC-10-22 | CEOM 22 DRIVE CONNECTOR NUT APPEARS TO BE GALLED- FOUND PROBLEM WHILE UNCOUPLING | AS PER ATTACHED PRCCEDURE | 05/08/84 |
| 845113 | RC-10-41 | SHOWS NO INDICATION OF MOVEMENT ON METROSCOPE | REPLACED 7/C NO.16 CABLE FOR READ SW ITCHES BETWEEN PATCH PANEL AND HEAD. | 07/06/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|---|--|-------------|
| 840086 | RC-2A | PERFORM SECONDARY SIDE INSPECTION PER MP-RC-2-4. | COMPLETED PER ATTACHED MP-RC-2-4 | 04/23/84 |
| 840715 | RC-2A | REMOVE *STUCK* STUD FROM RC-2A COLD LEG PRIMARY MANWAY. | REMOVED BROKEN STUD & TOP RUN IN THREADS. MO.841586 WRITTEN TO REPAIR DAMAGED | 03/26/84 |
| 841579 | RC-2A | REINSULATE BOTTOM HALF OF STEAM GENERATOR A. (SEE ATTACHMENTS) REPLACES OLD MO 15675. | FABRICATE AND INSTALLED NEW BLANKET INSULATION AS REQUESTED. | 05/06/84 |
| 842283 | RC-2A | PLUG DEGRADED TUBE IN RC-2A HOT LEG AT LOCATION R18-L37 (MECHANICAL TUBE PLUG). | PER ATTACHED PROCEDURE. | 06/28/84 |
| 842284 | RC-2A | REMOVE SECTION OF DEGRADED TUBE (ROW 18 LINE 37) FROM COLD LEG SIDE OF RC-2A. PLUG COLD LEG SIDE OF TUBE. | PER ATTACHED. | 06/29/84 |
| 840087 | RC-2B | PERFORM SECONDARY SIDE VISUAL INSPECTION PER MP-RC-2-4. | REMOVED CAN DECK COVER AS PER REQ. INSTALLED CAN DECK COVER PER ATTACHED PROCEDURE 040284 | 04/02/84 |
| 841481 | RC-2B | CONNECT NITROGEN TO B S/G FOR BLACK LIGHTING. | CONNECT NITROGEN TO B S/G | 04/22/84 |
| 841584 | RC-2B | REPLACE INSULATION ON RC-2B BOTTOM HALF | FABRICATE AND INSTALLED NEW BLANKET INSULATION AS REQUESTED. | 05/06/84 |
| 842177 | RC-2B | PERFORM LEAK DETECTING ON RC-2B AS PER ATTACHED WORK INSTRUCTIONS. | FOUND LEAK MARKED WITH TEMPLATE PLUGS ON EACH SIDE GM INSTALLED NUMP PUMPS. | 05/21/84 |
| 842188 | RC-2B | REMOVE SECTION OF TUBE IN *3* S/G, THAT IS DAMAGED, FOR INSPECTION AND EVALUATION. | AS DESCRIBED IN ATTACHED PROCEDURE. DESIRED TUBES WERE CUT AND REMOVED; AND THE TUBE ENDS WERE CRIMPED AND | 05/25/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|--|--|-------------|
| 840633 | RC-3A | MEASURE P.C. PUMP 3A COVER TO CASE GASKET GROOVES AND JOURNAL BEARING DIAMETER AS PER SP-RC-12 | MEASURE AND CLEAN GASKET SURFACES REVERIFIED MEASUREMENTS A&B FOR | 03/17/84 |
| 830022 | RC-3A-M | CHANGE OIL AND CLEAN AND INSPECT RC-3A MOTOR PER MP-RC-3-1 | CLEANED, INSPECT, CHANGE OIL AND DID PROCEDURE | 05/11/84 |
| 840634 | RC-3B | MEASURE RC PUMP 3B COVER TO CASE GASKET GROOVES AND JOURNAL BEARING DIAMETER AS PER SP-RC-12 | WORK COMPLETED AS PER INSTRUCTIONS | 03/20/84 |
| 840635 | RC-3C | MEASURE RC PUMP 3C COVER TO CASE GASKET GROOVES AND JOURNAL BEARING DIAMETER AS PER SP-RC-12 | PER ATTACHED | 03/16/84 |
| 841480 | RC-3C | RC-3C MOTOR HEATERS SHOW UNBALANCED CURRENT ON PHASES. CHECKED WITH SIMPSON. FOUND MOTOR HEATER OPEN | REPLACED TWO HEATERS. | 04/21/84 |
| 830030 | RC-3C-M | CHANGE OIL, CLEAN AND INSPECT RC-3C MOTOR PER MP-RC-3-1 | REPACKED VALVE RCV-978 | 03/08/84 |
| 840007 | RC-3D | REPLACE RC-3D CASE-TO-COVER GASKETS | COMPLETED AS PER ATTACHED PROCEDURE. | 04/02/84 |
| 840509 | RC-3D | WHEN PUMP WAS SHUT DOWN THE MOTOR HEATER ENERGIZED GIVING A GROUND ON THE BUS | REPAIRED TWO BAD HEATERS. CHECKED FOR GROUND FOUND NONE. | 04/26/84 |
| 840636 | RC-3D | MEASURE RC PUMP 3D COVER TO CASE GASKET GROOVES AND JOURNAL BEARING AS PER SP-RC-12 | TAKE MEASUREMENT AND CLEAR GASKET SURFACES | 03/23/84 |
| 830032 | RC-3D-M | CLEAN, INSPECT AND CHANGE OIL ON RC-3D PUMP MOTOR PER MP-RC-3-1 | CLEAN, INSPECT, CHANGE OIL AND DID PROCEDURE MP-RC-3. SEE 01-1988 FOR "NO PROCEDURE VERIFY" | 05/11/84 |

REFUELING OUTAGE SAFETY RELATED MAINT DRUFRS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WFL EMP DATE |
|----------------------|---------------|---|---|--------------|
| 841359 | RC-30-M | ZERO % SPEED SWITCH PAD | REPLACES ON SWITCH. | 04/20/84 |
| 840843 | RC-7E | REMOVE SURFACE DEFECT FROM WELD NO. 10 ON HEAD LIFT RIG. | FILED SMOOTH WITH CROWN | 03/28/84 |
| 840619 | RM | BACKGROUND READING WITH FLUSHING WATER IS 3X10 E4 | CLEANED DETECTOR HOUSING FOR RM-055A BACKGROUND DROPPED APPROX. 10,000RPM THIS IS THE BEST IT CAN DO. MONITOR | 03/15/84 |
| 840724 | RM | MONITOR RM-087 SPIKES INTO ALERT AND ALARM. HP CHECKED AREA AND THERE IS NO RADIATION SOURCE TO CAUSE PROBLEM | CLEANED CONNECTORS AND CONTACTS ON LOW RANGE AND ANALYZER BOARDS FOUND BAD CONNECTION ON CAPACITOR, REPAIRE | 03/28/84 |
| 840765 | RM | RM-091B - CANNOT GET ELECTRONIC CHECK SOURCE TO WORK. ALSO GREEN FAIL LIGHT IS INOPERATIVE | CHECK CABLES FROM CONTROL ROOM TO LOWER PENETRATION-BOTH CABLE 8908& 8809 CHECK OUT GOOD. LED 042384. | 05/02/84 |
| 842172 | RM | REMOVE RM-054 ALB DETECTOR WELLS AND BRING TO CHEMISTRY FOR CLEANING AND DECON. (WELLS ARE CONTAMINATED) | DISASSEMBLED BOTH SAMPLER AND CLEANED WITH ACID UNTIL COUNT RATE WAS APPROX 200CPM 051884 | 06/22/84 |
| 840503 | RM-064 | BLACK PEN OF RECORDER DOESN'T DROP TO ZERO WHEN OPPOSITE PEN IS IN OPERATION | FOUND THAT BLACK PEN IS MADE TO GO TO MAX RANGE WHEN THE INPUT IS OFF. ALSO FOUND BLACK PEN OUT OF CAL AND | 03/16/84 |
| 841277 | SI-3A | SI-3A BEARING OILER HAS A LEAK FROM THE PIPE UP THE BASE OF THE OILER. | TIGHTEN UP SIGHT BOWL PIPING. | 04/17/84 |
| 830170 | SI-3C | DURING ST-ESF-2,F.3 AC TIMER FOR SI-3C-SI-2 DID NOT TIME OUT. NOTE: THIS IS TIMER FOR ABNORMAL BUS ALIGNMENT | REPLACED TIMER WITH NEW TIMER PER MP-EE-20. | 04/26/84 |
| 840968 | SI-5 | COVER BAD SPOTS IN SIRWT WITH RTV-3145 (SEE ATTACHED SHEET) | REPAIRED ABOUT 35 BAD AREAS | 04/09/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|--|---|-------------|
| 842062 | SI-6C | INDICATES ABOVE INDICATION RANGE AND GREATER THAN WIDE RANGE INDICATION. | FILL REFERENCE LEGS ON BOTH WIDE AND NARROW RANGE TRANSMITTERS -OK. | 05/15/84 |
| 840689 | TE-735A | DETECTOR WELL COOLING RTD HAS INTERMITTENT PROBLEM (735A) | REPLACED DETECTOR. CAL IN IC SHOP FILES GI-1845 | 03/22/84 |
| 841907 | TIB-3B | BKR WILL NOT CHG WHEN RACKED UP | LUBRICATED MECHANISM AND TESTED FOR PROPER OPERATION. | 05/06/84 |
| 840659 | VA-CON | BREAKER TRIPS IMMEDIATELY AFTER ATTEMPTING TO START FAN. | FOUND DEFECTIVE CIRCUIT BRKR. IN MCC UNIT. A & B PHASE CONNECTIONS (PRESS. FIT CONNECTIONS) LOOSE AND ARCING. | 03/19/84 |
| 841743 | VA-CON | RC-3D SPACE HEATER, OPEN HEATER IN THE DELTA CONNECTIONS TRIPPED BREAKER | REPLACE TWO HEATERS | 05/07/84 |
| 842477 | VA-282 | VA-282 HAS A BENT SHAFT. | FABRICATED SHAFT PER FITTER INSTRUCTION. REPLACED STEM AND SEAT. | 06/06/84 |
| 841408 | VA-3B | VA-3B WOULD NOT START WHILE PERFORMING ST-ESF-6. | VA-3B LATCH MECHANISM WAS ADJUSTED AND WAS TESTED TO START IN AUTOMATIC (VIA SQUENCER TIMERS) WITH NO PROBLE | 04/16/84 |
| 842450 | VA-3B | VA-3B PULLS LOW AMPS UNLESS CONTAINMENT PURGE IS ON. | CHECKED CURRENT AT CIRCUIT BREAKER AND FOUND IT TO BE A-137AMPS, B-140.5 AMPS, C-133.0AMPS. METER UPSTAIRS RE | 07/06/84 |
| 840978 | VA-7D | VA-7D DID NOT TIME OUT WHILE PERFORMING ST-ESF-2(F.3). THE BUS WAS IN AN ABNORMAL LINE UP AT THE TIME. | CLEANED CONTACTS AND MECHANISM WITH LPS CONTACT CLEANED TESTED PER ATTACHED PROCEDURE AND RETURNED | 04/20/84 |
| 842558 | IAI-3 | BKR IAI-3 WILL NOT RACK UP. REFER D BURNS. | SHAFT ON KIRK KEY INTERLOCK HAD BEEN JAMMED. STRAIGHTENED AND HAD MACHINISTS MILL OUT PLUNGER BRACKET. | 06/15/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|---|--|-------------|
| 840804 | 1A3-7 | WORN FEMALE COUPLING SI-1A(4160 VOLT BREAKER) | INSTALLED NEW FEMALE COUPLING ON THE ELEVATOR | 03/27/84 |
| 841290 | 1B3A-7 | VA-3A BKR WILL NOT CLOSE BKR SMELLS LIKE BURNT INSULATION AND WIRING. | REPLACED PULL OUT TRIP SPRING REPLACED 52X RELAY TESTED BREAKER | 04/14/84 |
| 841951 | 1B3C-BT-1B3C | CHARGING MOTOR IS LEAKING OIL | REPLACED GASKET ON CHARGING MOTOR. R EFILLED OIL AND CHECKED OUT. | 04/30/84 |
| 840129 | 27-1/S2-2 | DURING ST-ESF-2 F.4. TIMER FOR VA-7C CAC-3C DID NOT TIME OUT. CAUSE MAY BE AUX CONTACT IN NORMALLY OPEN BUS | ACCEPTANCE CRITURA SHOULD BE VA-7C 9SPC-5,+3,AC-3C 9SPC,5,+3 CLEANED MECHANIZMS WITH CONTACT CLEANER LPS | 04/14/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|---|--|-------------|
| 830054 | RC-3B-M | CHANGE OIL, CLEAN AND INSPECT RCP MOTOR ON RC-3B | CLEANED EXTERIOR, CHANGED OIL UPPER AND LOWER UPPER BRG. 130 GAL H.M. LOWER BRG. 4 GAL. 797. MOTOR NOT DISA | 05/13/84 |
| 830158 | RC-3A | REMOVE, CLEAN, AND INSPECT RC-3A STUDS | AS PER PROCEDURE | 03/27/84 |
| 830163 | RC-3B | REMOVE, CLEAN, AND INSPECT STUDS | AS PER PROCEDURE, 8 NUTS MACHINED | 03/27/84 |
| 840006 | RC-3D | REMOVE, CLEAN, AND INSPECT RC-3D STUDS | AS PER PROCEDURE | 03/22/84 |
| 840101 | FW-1328 | INSPECT ROOT VALVE AND REPLACE NEXT OUTAGE. REPLACES MO 20930 | PLEASE VOID-THIS VALVE WAS NOT THE ONE THAT WAS LEAKING-VALVE LEAKING WAS FW-1331. | 04/10/84 |
| 840174 | RC-3C | REMOVE, CLEAN AND INSPECT RC-3C STUDS. | AS PER ATTACHED PROCEDURE | 03/28/84 |
| 840420 | EE-8J | INSPECT INVERTER *A* AND MAKE REPAIRS AS NECESSARY. | COMPT ATT. PROC. REPLD RELAYS PER ATT COPY UNT TRIP REPLD FAULT BREAKER, UNT TRIPPED REPLD WEAK SCRC 3&4 & DIV | 05/03/84 |
| 840613 | FR-755 | THE CONTAINMENT AIR PURGE RECORDER DOES NOT INDICATE OR RECORD DURING A STEP #3 PURGE RELEASE | | 04/11/84 |
| 840717 | RC-147 | RC-147 HARD TO OPERATE | OPERATED VALVE-SEEMED TO OPERATE OKAY BUT TURNED TO EASY SO TIGHTENED DOWN ON GLAND A LITTLE-HAD PLENTY OF | 04/21/84 |
| 840988 | HCV-311 | WHILE PERFORMING MP-DEGREE-1 ON LIMIT SWITCH FOUND BROKEN TERMINAL BOARD, BY MOUNTING SCREWS. | CAST EPOXY (DEVCON 5 MIN) AROUND BROKEN PORCELAIN INSULATOR SCREW MOUNTING. | 04/10/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|--|---|-------------|
| 841120 | RC-3A | EXTRACT BROKEN STUD ON RC-3A REACTOR COOLANT PUMP | | 04/25/84 |
| 841264 | 86-B1/CIAS | COIL BURNT DURING ST-ESF-2(F.4) FOR 86-B1/CIAS AND 86B/VIAS DID NOT RESET EASILY. | OLD COIL NO. 366A803G16 NEW NO.366A803G16 CIAS, OLD C NO.366A803G16 NEW C NO.366A803G16 VIAS | 04/11/84 |
| 841301 | HCV-312-D | WHILE PERFORMING MP-DEGREE-1 FOUND BROKEN TORQUE SWITCH. | REPLACED OLD TORQUESWITCH WITH NEW ONE. | 04/21/84 |
| 841320 | RC-2A | VACUUM SLUDGE & SLAG FROM BETWEEN TUBE BUNDLE & GENERATOR SHELL. | VACUUMED ANN AREA OF RC-2A. | 04/21/84 |
| 841321 | RC-2B | RETRIEVE SCREW DRIVER AND VACUUM SLUDGE AND SLAG FROM BETWEEN TUBE BUNDLE AND GENERATOR SHELL. | | 04/21/84 |
| 841403 | 43/2B-D2 | 43/2B-D2 KEY SWITCH IS NEARLY IMPOSSIBLE TO OPERATE | LENT KEY REPLACED KEY. | 04/20/84 |
| 841404 | C/LT-904 | C-904 TRANSMITTER WILL NOT CALIBRATE | *PER CP-C/904-2 STEP 4 SECT A INPUT ON 103 WITHIN TOLERANCE PER GIVEN CALIBRATED EQUIPMENT | 04/20/84 |
| 841412 | B4U | WHEN FP-1A IS IN PULL-STOP, ALARM WILL NOT ANNUNCIATE | HAD OPERATOR OPERATE THE SWITCH IN PULL OUT. ALARM SOUNDED 3 TIMES. FOUND NO PROBLEM IN SYSTEM. NO REPAIRS MADE | 04/24/84 |
| 841433 | LIC/X-599B | THE BACKUP CONTROL CHANNEL DOES NOT WORK PROPERLY AS BACK UP PUMP RUNS CONTINUOUSLY | BACKUPPUMP STOPS ON LOW LEVEL TRIP FROM LIC/X-599B | 04/19/84 |
| 841473 | RMO-54A | RM-054A IS PEGGED LOW. SUSPECT DETECTOR | REPLACED DETECTOR SEE I&C SHOP FILES FOR CAL. PROCEDURE | 04/26/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|---|---|-------------|
| 841588 | HCV-311 | CHANGEDOUT GREASE PER MP-DEGRE-1. ENSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE COPY TO | COMPLETED PER ATTACHED PROCEDURES MP-DEGRE-1 MP-MOV-1, ST-1ST-1 | 05/03/84 |
| 841589 | HCV-312 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | COMPLETED ATTACHED PROCEDURES MP-DEG RE-1 MP-MOV--1, ST-1SI-SI-1 | 04/21/84 |
| 841592 | HCV-317 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | WORK DONE ACCORDING TO FOLLOWING PRO CEDURES MP-DEGRE-1, MP-MOV-1, ST-1SI -SI-1 | 04/11/84 |
| 841593 | HCV-318 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | COMPLETE AS PER PROCEDURE MP-DEGRE-1 ST-1SI-SI-1 | 05/03/84 |
| 841594 | HCV-320 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | PERFORMED ATTACHED MP-DEGRE-1 | 06/01/84 |
| 841596 | HCV-327 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | MARFAK-2 GREASE (PER PHONE CONVERSATION WITH J.BOWSMAN 042584) RJM | 04/25/84 |
| 841603 | HCV-2914 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | COMPLETED PROCEDURES ATTACHED. | 05/06/84 |
| 841604 | HCV-2934 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | DID WORK AS PER ATTACHED PROCEDURE | 05/06/84 |
| 841605 | HCV-2954 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | AS PER ATTACHED PROCEDURE | 05/06/84 |
| 841606 | HCV-2974 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | GREASED LIMITORQUE VALVE AS PER PROC EDURE. (IN PLACE) | 07/04/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|--|--|-------------|
| 841607 | LCV-218-3 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | COMPLETED AS PROCEDURE | 04/07/84 |
| 841608 | HCV-347 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | CHANGE GREASE FOR OUTAGE THIS VALVE CONTRUIES MORFAK 2PER PHOME COMBISATION WITH | 04/25/84 |
| 841609 | HCV-10410 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | PERFORMED ATTACHED PROCEDURES. | 04/14/84 |
| 841610 | HCV-10420 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | CHANGED GREASE RESET LIMIT SWITCHES | 05/05/84 |
| 841611 | HCV-1384 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | AS PER PROCEDURE | 04/06/84 |
| 841612 | HCV-1385 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | AS PER PROCEDURE | 05/02/84 |
| 841613 | HCV-1386 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | COMPLETE AS PER PROCEDURE. | 05/08/84 |
| 841614 | HCV-150 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | COMPLETED ATTACHED PROCEDURE | 05/21/84 |
| 841615 | HCV-151 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | COMPLETED AS PER PROCEDURES | 05/09/84 |
| 841616 | HCV-308 | CHANGEDOUT GREASE PER MP-DEGRE-1 INSURE FC-198 IS FILLED OUT, ONE COPY TO BE RETAINED WITH M.O., ONE | REMOVED COVER & MOTOR FOUND GREASE TO BE OK LRK 042084 GREASE IN UNIT IS EP2 (WORKER) JZ | 04/23/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|---|--|-------------|
| 841740 | HCV-2907 | WHEN CYCLING THIS VALVE PER SP-SOV-1 A DC GROUND ALARM WAS RECEIVED | INSTALLED ACROSS THE SOLENOID COIL T O SUPPRESS ANY BACK EMF. SEE MO 842100 | 05/08/84 |
| 841741 | HCV-2908 | WHEN CYCLING THIS VALVE PER SP-SOV-1 A DC GROUND ALARM WAS RECEIVED. | INSTALLED A VARISTOR ACROSS THE SOLE NOID COIL TO SUPPRESS ANY BACK EMF. SEE MO 842101 | 05/08/84 |
| 841742 | HCV-2918 | WHEN CYCLING THIS VALVE PER SP-SOV-1 A DC GROUND CAME IN. | INSTALLED A VARISTOR ACROSS THE SOLE NOID COIL TO SUPPRESS ANY BACK EMF. SEE MO 842102 | 05/08/84 |
| 841886 | EE-8E | #3 BATT CHARGER IS GROUNDED ON BOTH THE AC & DC SIDES. | | 05/09/84 |
| 841894 | HCV-480 | HCV-480 OR HCV-484 LEAKS THROUGH. | | 05/05/84 |
| 841923 | HCV-265 | WHEN OPENING VALVE, GREEN LIGHT WILL NOT GO OUT AFTER VALVE COMPLETELY OP EN | | 05/12/84 |
| 841947 | KC-205 | VALVE HANDWHEEL (T TYPE) MISSING. NEEDS TO BE REPLACED. | REPLACED VALVE HANDLE. | 05/09/84 |
| 841973 | HCV-383-3-0 | REPACK LIMITORQUE OPERATOR WITH MAPFAK II GREASE | RWP 221 GREASED UNTIL GOOD GREASE USED ABOUT 572 GREASE | 05/01/84 |
| 841974 | HCV-383-4-0 | REPACK LIMITORQUE OPERATOR WITH MARFAK II GREASE. | GREASED UNTIL GOOD GREASE CAME OUT USED ABOUT 702 | 05/01/84 |
| 841992 | VA-6 | REPAIR BENT FLANGE ON CHARCOAL TRAY NO. 1713. REFERENCE NR 84-04. CONTACT PLANT ENGINEERING FOR DETAILS AND R | REPAIRED BENT FLANGE | 05/10/84 |

REFUELING OUTAGE SAFETY RELATED MAINT ORDERS

| MAINTENANCE ORDER NO | EQUIPMENT TAG | PROBLEM | WORK ACCOMPLISHED | WK CMP DATE |
|----------------------|---------------|---|---|-------------|
| 842004 | RC-4 | BANK 4 GROUP 10,11,12 WHEN TRUNED ON ONLY DRAW 170 KW SUPPOSED TO DRAW 225KW. | CHECKED BANK 4 GROUP 10,11,12 READ UNITS & AMPS. RECORDER CHECKED & CK. I&C 051784 | 05/16/84 |
| 842007 | FQ-470 | POWER SUPPLY GIVING IMPROPER VOLTAGE * CAPACITOR NEEDS TO BE CHANGED OUT | REPLACED CAPACITOR IN POWER SUPPLY. (CP IN I&C SHOP FILES) | 05/10/84 |
| 842179 | EE | REPAIR &/OR CLEAN BUS 1B3B EQUIPMENT AS NECESSARY - INSPECTION SHOULD INCLUDE DAMAGE ASSESMENT TO ALL BREAKER | FOUND BUS PHASES B-C BURNT, REPLACED BUS WORK BETWEEN 1B3B BREAKER & TIB-3B COPPER BUS, REPLACED W/NEW MOUNTI | 06/22/84 |
| 842193 | AC-3A | INSPECT AND REPLACE IF NECESSARY OUTER PUMP BEARINGS. | OVERHAUL PUMP SEE PROCEDURE. TEST RUN IRD RETURN TO SERVICE. | 06/29/84 |
| 842213 | RC-2B | ENTER SECONDARY SIDE OF RC-2B TO IDENTIFY EXTENT OF WORK, IDENTIFY TUBES FOR REMOVAL AND MARK SAID TUBES. | ENTERED RC-2B, COULD NOT DRIVE WEDGES BETWEEN TUBES, TUBES WOULD NOT MOVE, TUBE WAS MARKED, MISSION ACCOMPLI | 05/24/84 |
| 842421 | EE-4B | 1B3B MAIN SEC. BKR. INSPECT CLEAN PERFORM PM & REPAIR BKR. AS REQUIRED. | COMPLETED ATTACHED PROCEDURES AND RETURNED BREAKER TO SERVICE. | 06/22/84 |
| 842556 | HCV-2968 | HCV-2968 NEEDS TO HAVE SOLENOID COIL REPLACED. | REPLACED SOLENOID, COMPLETED 061584 SPLICED COMPLETED AND VALVE CYCLED PER MO 842270 | 06/18/84 |
| 845089 | RM | SETPOINT DOES NOT ACTUATE AT 60K | ALERT ALARM FOUND AT 38,616 AND HIGH ALARM FOUND AT 301,623 (DESIRED 40,000 & 61,000) =15% ALARM BOARD WAS C | 07/03/84 |

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

September 14, 1984
LIC-84-319

Mr. Richard C. DeYoung, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

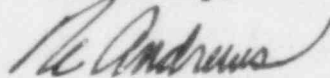
Reference: Docket No. 50-285

Dear Mr. DeYoung:

August Monthly Operating Report

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

Sincerely,



R. L. Andrews
Division Manager
Nuclear Production

RLA/TPM:jmm

Enclosures

cc: NRC Regional Office
Office of Management & Program Analysis (2)
Mr. R. R. Mills - Combustion Engineering
Mr. T. F. Polk - Westinghouse
Nuclear Safety Analysis Center
INPO Records Center
NRC File

IE-24

1/1