

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

The Station operated during the month of May 1991 with a Unit Availability Factor of 95.8% and a Net Design Electrical Capacity Factor of 88.2%. There were no challenges to Electromatic Relief Valves. Reductions in Capacity Factor were due to an aborted Turbine Torsional Test on May 14, due to #11 Turbine Aux Oil Pump failure. The unit was reduced to 25% CTP for the test which contributed to lost generation. The Turbine Torsional Test was rescheduled and successfully completed on May 29 and 30. Other reductions in capacity factor were due to weekly control rod exercising and the inability to obtain 100% CTP due to turbine steam flow limitation.

CLASS I WORK - MECHANICAL MAINTENANCE - May 1991

See attached printout.

CLASS I WORK - INSTRUMENTS AND CONTROLS - May 1991

See attached printout.

CLASS I WORK - ELECTRICAL MAINTENANCE - May 1991

See attached printout.

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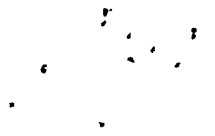


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NINE MILE POINT UNIT ONE
Mechanical Maintenance - COMPLETED SAFETY RELATED WRs FOR MAY

06-03-91
PAGE 1
WR Number

| EPN Number | TITLE | Description | Corrective Action |
|------------|---|--|--|
| W199308 | 58-04 DOWNCOMER SUBMERGENCE TRANSMITTER | WATER IS TRAPPED IN PIPE WITH VALVES 201.2-552 AND 201.2-551 - DRAIN WATER FROM VALVE TO EMPTY THIS PIPE - ELEVATION 216 BELOW 218 GRATING REACTOR BUILDING SOUTH EAST CORNER | CLEANED INSIDE OF 552 AND REINSTALLED |
| W199852 | 68-08 REACTOR BUILDING TORUS VACUUM BREAKER NUMBER 11 | DURING PERFORMANCE OF N1-ISP-068-0002 ATTACHMENT NUMBER 2 VALVE 68-08 FAILED TO ACTUATE WITH PROPER INPUT SIGNAL WHILE ATTEMPTING TO ASSIST VALVE SWITCH THAT INDICATES OPEN POSITION WAS BROKEN VALVE NOW HAS DUAL INDICATION NUMBER 11 VACUUM BREAKER REACTOR BUILDING 237 COLUMN N-7 DEFICIENCY TAG 27322 | CLEANED AND POLISHED AIR CYLINDER - REPLACED WIPER RINGS AND READJUSTED STROKE |
| W184168 | 70-13R RBCLC HEAT EXCHANGER 70-13 11 | REMOVE AN 81 INCH PLUS OR MINUS 1 INCH LONG SECTION OF TUBES IDENTIFIED IN DRAWING F-42345-C SHEET 4 REVISION 1 AS MEASURED FROM THE NORTH END - PLUG EACH END AND SEAL WELD - SEE DRAWING F-42345-C SHEET 4 REVISION 1 | ABB/CE USING MDM CUTTING METHOD CUT 60 TUBES AS INDICATED ON APPLICABLE DRAWINGS AFTER CUT TUBES WERE REMOVED AND THEN SEAL WELDED |
| W185335 | 72-438 BV-11 RBCLC HX TUBE SIDE DRAIN CLC HEAT EXCHANGER 70-13R | DRAIN VALVE PLUGGED NEEDS TO BE CLEANED REACTOR BUILDING 298 DEFICIENCY TAG 13338 | CLEANED PIPING AND VALVE - REMOVED VALVE AND STEM TO CLEAN PIPING - CLEANED VALVE SEATS AND REASSEMBLED - REPLACED BODY TO BONNET GASKET |
| W185887 | 93-RW-720 DRAIN VALVE FOR HEAT EXCHANGER 80-13R | DRAIN VALVE IS PLUGGED WILL NOT DRAIN OFF EAST SIDE OF HEAT EXCHANGER TUBE SIDE LOCATION REACTOR 318 NORTH HEAT EXCHANGER 122 EAST END DEF TAG 17097 ON DRAIN VALVE | REMOVED BONNET FROM BODY CLEANED SEATS AND PIPING REPLACED GASKET AND BONNET TO BODY BOLTS REASSEMBLED VALVE AND FLUSHED AGAIN |
| W185334 | 94-02 EPN 94-02 NUMBER 12 INSTRUMENT AIR COMPRESSOR | EXHAUST TEMPERATURE IS HIGH - PLEASE REPAIR - TURBINE BUILDING 261 | REMOVE AND REBUILD VALVES LPI-2 LPI-4 AND LPD2 LPD-3 - ALL VALVES TESTED ON TESTING MACHINE |
| W187847 | 210.1-41R CHILLED WATER PUMP 12 PRESSURE GAUGE | TURBINE BUILDING 300 SOUTHEAST ISOLATION VALVE FOR 210.1-41R IS LEAKING THERE IS NO OTHER ISOLATION VALVE BEFORE IT NEEDS TO BE REPLACED DEFICIENCY TAG 23751 ON VALVE | VALVE REMOVED AND REPLACED WITH NEW VALVE FROM STORES |



NINE MILE POINT UNIT ONE
Instrument & Controls - COMPLETED SAFETY RELATED WRs FOR MAY

06-03-91
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| WR Number | EPN Number | TITLE | Description | Corrective Action |
|-----------|-------------|--|---|--|
| W188534 | 44-14-15 | SOV 117 FOR HCU 14-15 | SOV 117 FOR HCU 14-15 IS LEAKING - DEFICIENCY TAG 37356 IS HUNG ON THE VALVE LOCATED REACTOR BUILDING 237 | REBUILT SOV AND TIGHTENED TO MANUFACTURER SPECIFICATIONS |
| W188598 | 44.2-35A | SCRAM DUMP VOLUME LEVEL SENSOR | RECEIVED HALF SCRAM - TROUBLESHOOT OR REPAIR - REACTOR BUILDING 237 NORTH WEST | ADJUSTED FAILURE LAMP LED TO REQUIRED VALUE - TESTED OPERATION VIA PHT - WIP |
| W192454 | 92-IRM11-18 | INTERMEDIATE RANGE MONITORS | INVESTIGATE THE IRMS BY GE TO DETERMINE CAUSE OF GAIN PROBLEMS ASSOCIATED WITH RANGE SWITCHES RANGE 8 LIMIT FOR IRM 16 AND 17 AND RANGE 9 LIMIT FOR IRM 12 | ASSISTED GE PERSONNEL AS REQUIRED TO OBTAIN INFORMATION NEEDED FOR TROUBLESHOOTING RANGE SWITCH INCONSISTENCIES |
| W192707 | 92-RJ19D | APRM 17 TRIP AUXILIARY DRAWER BYPASS SWITCH 12-17B | BYPASS SWITCH FAILS TO UNBYPASS LPRM 12-17B - CONTROL ROOM G PANEL | CLEANED SWITCH WITH FREON TF AND LUBRICATED WITH WD-40 |
| W199862 | 94-30 | NUMBER 11 INSTRUMENT AIR DRYER | NUMBER 11 INSTRUMENT AIR DRYER IS LOW ON FREON - PLEASE REPAIR - LOCATED ON TURBINE BUILDING 291 WEST WALL - DEFICIENCY TAG 27340 ON PANEL IN CONTROL ROOM | OPENED THE TEMPERATURE CONTROL FEEDBACK LINE TO THE SUCTION OF COMPRESSOR |
| W188554 | 113-NA | SCRAM AIR HEADER | PLEASE CHECK SCRAM AIR HEADER SYSTEM BACK UP SCRAM SOLENOID - INDIVIDUAL PILOT SOLENOIDS AND PIPING AND FITTING FOR LEAKS - CORRECT AS NECESSARY | ENTIRE SCRAM AIR HEADER SYSTEM BOUNDARIES LEAK CHECKED AND REPAIRS MADE ON WR 112111 RECENT PROBLEM WITH SCRAM AIR HEADER LOW PRESSURE ALARM LOCKING IN DURING HALF SCRAM SURVEILLANCES CAUSED BY LARGE LEAK ON SCRAM PILOT SOV 117 ON HCU 14-15 |
| W192714 | 201.2-218 | OXYGEN ANALYZER NUMBER 11 - CAD | OXYGEN ANALYZER READS UPSCALE - PLEASE TROUBLESHOOT | TOTAL SETUP PER VENDOR MANUAL FOLLOWED UP BY THE PHT N1-ISP-201-0013 |
| W185942 | 201.2-218C | CHANNEL 11 O2 ALARM UNIT | DURING CALIBRATION OF CHANNEL 11 O2 ALARMS UPPER ALARM LED FAILED TO LIGHT ANNUNCIATOR DID COME IN PLEASE REPAIR DEF TAG 12667 TROUBLESHOOT | REPLACED LED |
| W192753 | 201.8-09 | REACTOR CONTAINMENT, INERT GAS SUPPLY SYSTEM NUMBER 12 ALARM UNIT | TROUBLESHOOT ALARM LOOP TO DETERMINE PROBLEM REPORT 2009 DISPOSITION FOR LOADED DOWN CIRCUIT WHEN ALARM UNIT IS IN TRIPPED CONDITION | FOUND A NEGATIVE CURRENT LOOP ACROSS COMPUTER 4M I TO V RESISTOR - INFORMATION GATHERING ONLY |
| W188069 | 210.1-101 | TEMPORARY MODIFICATION 5343 ON 112 CHILLER COMP OIL PRESSURE SAFETY SWITCH | TEMPORARY MODIFICATION 5343 AS DIRECTED BY DCR N1-91-500LG020 - JUMPER TO BE MANUFACTURED USING WIRE CONSISTENT WITH FIELD WIRE TO OIL PRESSURE SAFETY SWITCH | INSTALLED JUMPER AS PER TEMPORARY MODIFICATION 5343 AND DCR N1-91-500LG020 |



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Electrical Maintenance - COMPLETED SAFETY RELATED WRs FOR MAY

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WR Number

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|------------|--|---|---|
| W185535 | 210.1-111 CONTROL ROOM CHILLER 111 BREAKER | REPLACE MOLDED CASE BREAKER FOR 111 CHILLER 39 AMP - SEE PROBLEM REPORT 1713 AND DCR N1-90-001LS507 | REPLACED BREAKER SYMBOL 93-43-395 PER DCR N1-90-001-LS920 WHICH SUPERCEDES DCR N1-90-001-LS507 |
| W185534 | 210.1-112 CONTROL ROOM CHILLER 112 BREAKER | REPLACE MOLDED CASE BREAKER FOR 112 CHILLER 27 AMP - SEE PROBLEM REPORT 1713 AND DCR N1-90-001LS507 | REPLACED BREAKER SYMBOL NUMBER 93-43-396 PER DCR N1-90-001-LS920 WHICH SUPERCEDES DCR N1-90-001-LS507 |
| W171853 | 210.1-121 CONTROL ROOM CHILLER 121 BREAKER | REPLACE MOLDED CASE BREAKER FOR 121 CHILLER COMPRESSOR 39 AMP - SEE PROBLEM REPORT 1713 AND DCR N1-90-001-LS507 | REPLACED MOLDED CASE BREAKER 39 AMP PER DCR N1-90-001-LS92 WHICH SUPERCEDES DCR N1-90-001-LS507 |
| W185532 | 210.1-122 CONTROL ROOM CHILLER 122 BREAKER | REPLACE MOLDED CASE BREAKER FOR 122 CHILLER COMPRESSOR 27 AMP - SEE PROBLEM REPORT 1713 AND DCR N1-90-001LS507 | REPLACED MOLDED CASE BREAKER 27 AMP PER DCR N1-90-001-LS92 WHICH SUPERCEDES DCR N1-90-001-LS507 |



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