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 COLEMAN, D.E. Niagara Mohawk Power Corp.
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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Feb 1991 for Nine Mile Point
 Nuclear Station Unit 1.W/910312 ltr.

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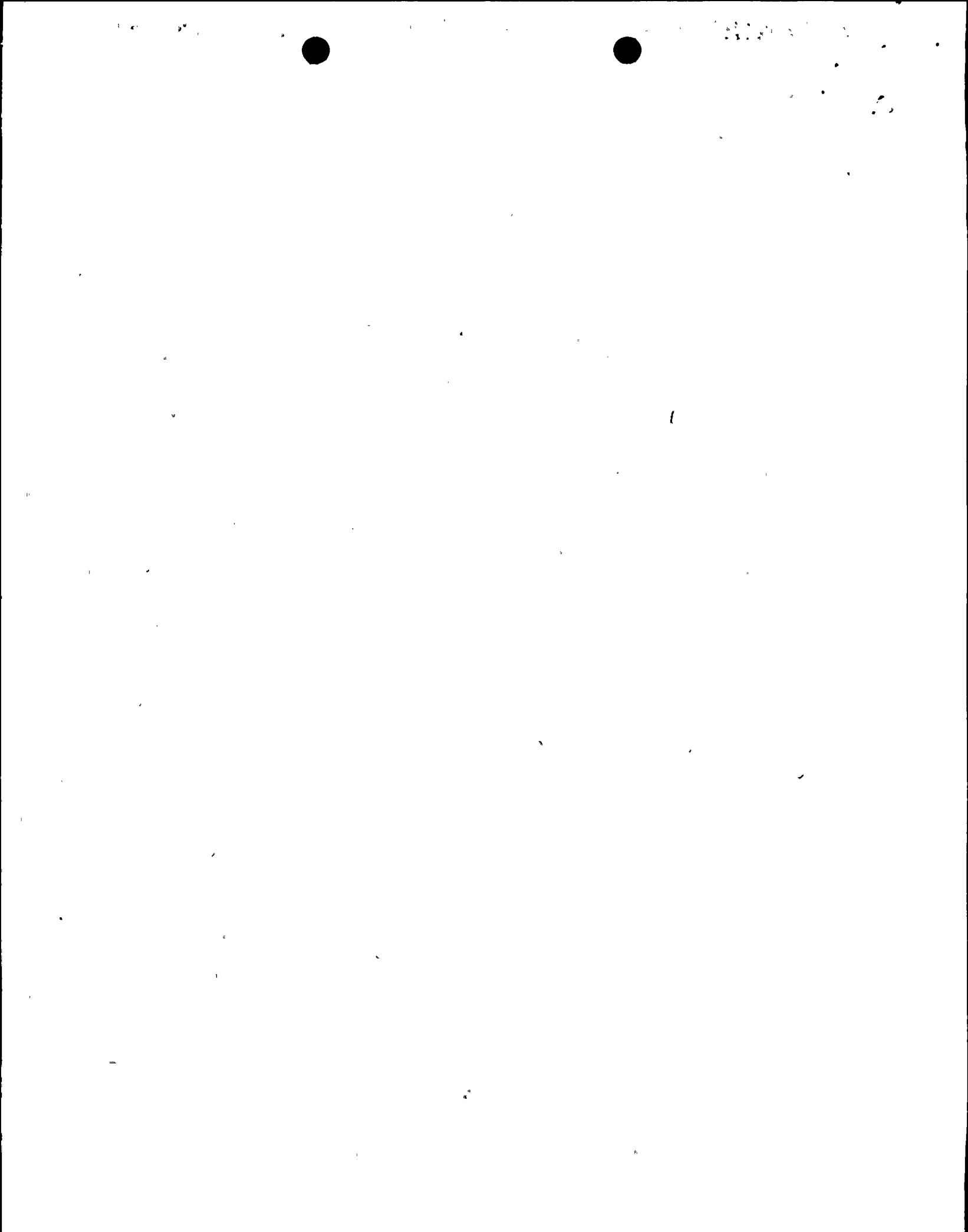
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March 12, 1991
NMP77673

U.S. Nuclear Regulatory Commission
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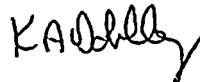
Subject: Operating Statistics and Shutdowns - February 1991
Docket No. 50-220
Nine Mile Point Nuclear Station - Unit #1

Dear Sir:

Submitted herewith is the Report of the Operating Statistics and Shutdowns for February 1991 for the Nine Mile Point Nuclear Station - Unit #1.

Also included is a narrative report of Operating Experience for February 1991.

Very truly yours,



Kim A. Dahlberg
Plant Manager - NMP#1

KAD/mad
Enclosures

xc: Regional Administrator, Region I
Resident Inspector
File

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OPERATING DATA REPORT

DOCKET NO.: 50-220

DATE: 3/13/91

PREPARED BY: D. E. Coleman

TELEPHONE: (315) 349-2558

OPERATING STATUS

- 1. Unit Name: Nine Mile Point Unit #1
- 2. Reporting Period: 2/1/91 through 2/28/91
- 3. Licensed Thermal Power (MWt): 1850
- 4. Nameplate Rating (Gross MWe): 642
- 5. Design Electrical Rating (Net MWe): 625
- 6. Maximum Dependable Capacity (Gross MWe): 635
- 7. Maximum Dependable Capacity (Net MWe): 615
- 8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe):

10. Reasons For Restrictions, If Any:

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	672.0	1,416.0	188,065.2
12. Number of Hours Reactor Was Critical	273.7	823.2	119,423.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	1,204.2
14. Hours Generator On-Line	273.7	807.5	115,970.0
15. Unit Reserve Shutdown Hours	0.0	0.0	20.4
16. Gross Thermal Energy Generated (MWH)	456,600.0	1,373,814.0	193,916,492.0
17. Gross Electrical Energy Generated (MWH)	157,375.0	473,444.0	64,276,361.0
18. Net Electrical Energy Generated (MWH)	152,767.0	458,927.0	62,264,767.0
19. Unit Service Factor	40.7	57.0	61.7
20. Unit Availability Factor	40.7	57.0	61.7
21. Unit Capacity Factor (Using MDC Net)	37.0	52.7	54.3
22. Unit Capacity Factor (Using DER Net)	36.4	51.9	53.4
23. Unit Forced Outage Rate	0.0	20.7	25.8

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

25. If Shut Down At End of Report Period, Estimated Date of Startup: 3-15-91

26. Unit is Test Status (Prior to Commercial Operation): Forecast Achieved

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION



OPERATING DATA REPORT

DOCKET NO.: 50-220

DATE: 3/13/91

PREPARED BY: D. E. Coleman

TELEPHONE: (315) 349-2558

MONTH February 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	601	17	0
2	605	18	0
3	607	19	0
4	606	20	0
5	570	21	0
6	553	22	0
7	533	23	0
8	534	24	0
9	517	25	0
10	515	26	0
11	517	27	0
12	208	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

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.



Small, faint text or mark in the center of the page.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-220

UNIT NAME: NMP#1

DATE: 3/13/91

REPORT MONTH - February 1991

PREPARED BY: D. E. Coleman

TELEPHONE: (315) 349-2558

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
91-01	910212	F	398.3	A	3	91-02			<p>The reactor scrammed on high neutron flux. This was caused by MPR oscillations.</p> <p>Note: The decision was made to start the scheduled midcycle outage for surveillance testing directly following the scram.</p>

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Exam
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



NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION UNIT #1

NARRATIVE OF OPERATING EXPERIENCE

The Station operated during the month of February 1991 with a Unit Availability Factor of 40.7% and a Net Design Electrical Capacity Factor of 36.4%. There were no challenges to Electromatic Relief Valves. Reductions in Capacity Factor were due to several reasons. Recirculation Pump (12) tripped reducing the unit from 4 loop operation to 3 loop operation, limiting CTP to 90%. Power was reduced for several days due to MPR oscillations, and on February 12, 1991, the reactor scrammed because of the problems with MPR. 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 - February 1991

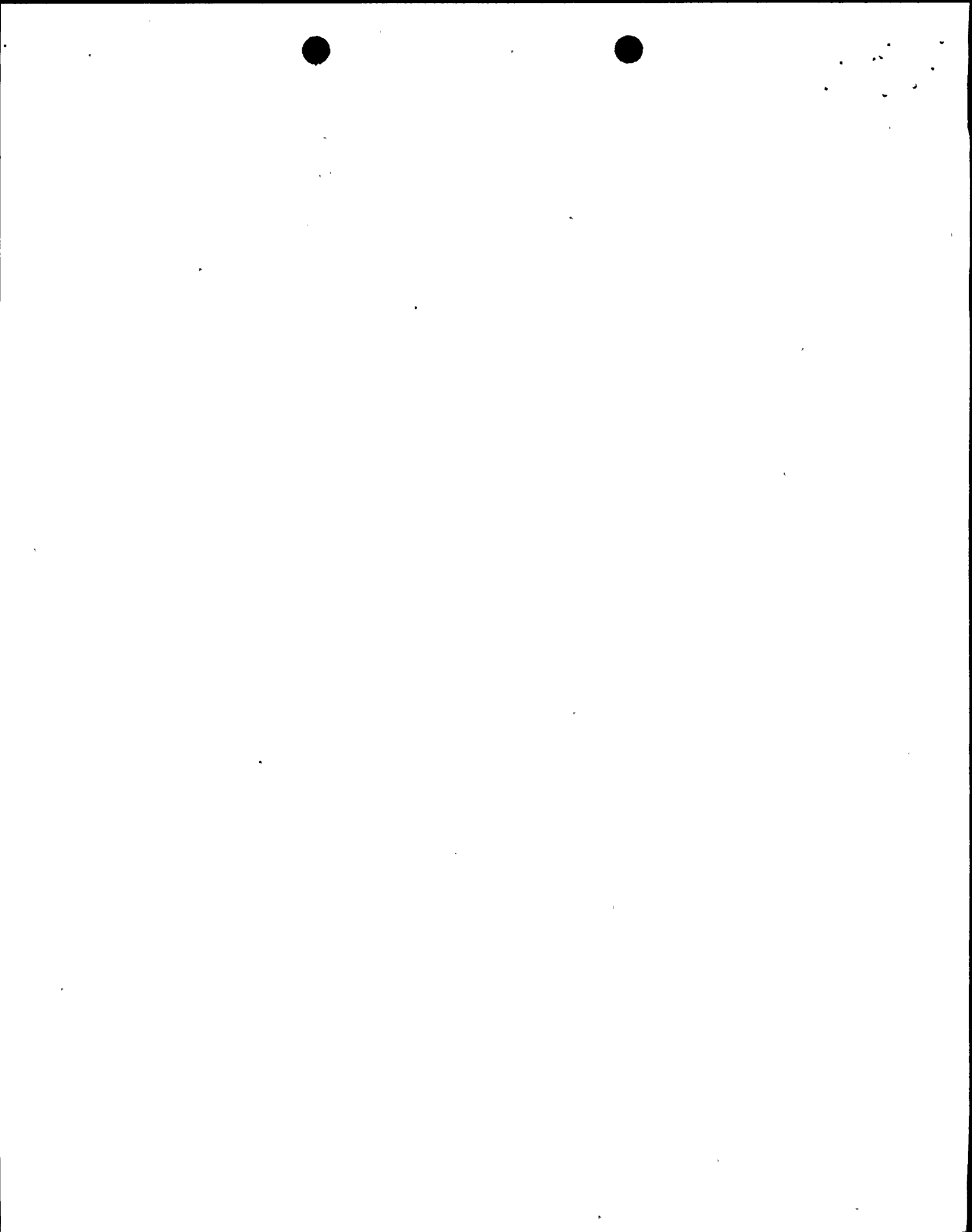
See attached printout.

CLASS I WORK - INSTRUMENTS AND CONTROLS - February 1991

See attached printout.

CLASS I WORK - ELECTRICAL MAINTENANCE - February 1991

See attached printout.



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

03-04-91
PAGE 1
WR Number

WR Number	EPN Number	TITLE	Description	Corrective Action
W187783	44-106	106 VALVE ON CRD HCU 30-11	CRD HCU 30-11 106 VALVES ACTUATOR NUT IS STRIPPED PLEASE REPAIR REPLACE - LOCATED REACTOR BUILDING 237 SOUTH WEST	REPLACED BALL SPRING PACKING AND STEM
W185876	68-10	AIR OPERATED BUTTERFLY VACUUM RELIEF VALVE RB 237	VALVE 68-10 15 EXHIBITING EXCESSIVE STROKE TIMES IN THE CLOSE DIRECTION SHOULD BE 2 SECONDS RECOMMEND POTENTIAL REBUILD OF OPERATOR AS WAS DONE FOR 68-08 ON WR 152033 ALSO SEE DISPOSITION TO PR 1694	REPLACED AND LUBRICATED O RINGS INSIDE OF CYLINDER
W185625	72-441	12 RBCLC HEAT EXCHANGER TUBE SIDE DRAIN VALVE 72-441	DRAIN LINE IS PLUGGED FROM HEAT EXCHANGER TO DRAIN ON TUBE END HEAT EXCHANGER IS ON 298 WEST SIDE VALVE IS LOCATED ON NORTH END OF HEAT EXCHANGER ON BOTTOM END REMOVE BONNET AND CLEAN OUT LINE	REMOVED VALVE INTERNALS HYDRO FLUSHED LINE AND REINSTALLED INTERNALS
W188308	80-VENT VLV	CT SP HEAT EXCHANGER 111 RADWASTE VENT VALVE ON EAST END	VALVE IS VERY HARD TO OPERATE PLEASE DISASSEMBLE CLEAN INSPECT LUBRICATE AND REPAIR AS NECESSARY REPACK	VALVE CLEANED LAPPED LUBRICATED AND REPACKED
W186701	94-91	INSTRUMENT AIR CROSS CONNECT BV 94-91	IA CROSS-CONNECT BV 94-91 STROKE TIME DEGRADING AS A FUNCTION OF TIME DISASSEMBLE AND INSPECT INTERNALS FOR BINDING - REPAIR AS NECESSARY SEE ATTACHED RECORD OF TELECON WITH ENGINEERING	DISASSEMBLED AND CLEANED VALVE PLUG AND INTERNALS READJUSTED THRUST PLATE
W185452	94-IBA 715	INSTRUMENT AIR DRAIN VALVE IBA 715	INSTRUMENT AIR BLOW DOWN VALVE IBA 715 LOCATED ON TB 261 WEST WALL BETWEEN COMPRESSORS DOES NOT HAVE ANY PRESSURE WHEN VALVE IS OPENED	CLEARED AIR LINE OF OBSTRUCTION - OPERATED VALVE WORKS FINE
W186270	94-IBA-712	IA COMPRESSOR 11 AFTER COOLER TRAP BYPASS VALVE	BYPASS VALVE - VALVE LEAKING BY - REFER TO WR 185986 LOCATION - TURBINE BUILDING 261 NORTH WEST REAR OF IAC 11	REPLACED VALVE WITH NEW ONE 95-93-156
W188312	201.2-28	TORUS DRYWELL 02 SAMPLING VALVE	VALVE LEAKS INTERNALLY REPAIR AS NECESSARY	DISASSEMBLED VALVE CLEANED INTERNALS AND LAPPED SEATING SURFACE - REPLACED VALVE STEM ASSEMBLY
W192292	201.2-SSI-71 8	201.2-SSI-718 ELEVATION 237 REACTOR BUILDING N EQUIPMENT ROOM	ISOLATION VALVE 201.2 SSI-718 WS LEAKING THROUGH THE STEM VALVE HAS NO WAY TOP TIGHTEN DOWN ON THE PACKING - NORTH WALL OF NORTH INSTRUMENT ROOM DRAIN VALVE BETWEEN 201.2-23 AND 201.2-24	VALVE HAS PACKING GLAND - OPERATIONS TIGHTENED PACKING
W186674	DOORS-D-052	DOOR D-52	CRASH BAR MOUNTING HOLES ELONGATED ALLOWING SLIPPAGE OF CRASH BAR AND BINDING OF LATCHING MECHANISM PLUG WELD HOLES AND REDRILL AND REMOUNT CRASH BAR - TURBINE BUILDING ELEVATION 261 OUTER AIRLOCK	PERFORMED PLUG WELD ON MOUNTING HOLE AND GROUND FLUSH WITH DOOR SECURITY MAINTENANCE THEN DRILLED AND TAPPED NEW HOLE



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

03-04-91
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WR Number

WR Number	EPN Number	TITLE	Description	Corrective Action
W185824	01-1B10G	TURBINE STOP VALVE AREA TEMPERATURE SWITCH	PLEASE REPLACE SWITCH 1B10G FOUND INTERMITTENT DURING PROCEDURE N1-ISP-001-RO10 - LOCATED ABOVE TURBINE STOP VALVE AREA SWITCH ON BENCH NO DEFICIENCY TAG REQUIRED	REPLACED TEMPERATURE SWITCH 1B10G
W188322	36-05C	REACTOR WATER LEVEL LO-LO-LO TRANSMITTER 36-05C	DURING PERFORMANCE OF N1-ISP-036-R105 ATTACHMENT 3 TRANSMITTER LOOP WAS FOUND OUT OF SPECIFICATION TRANSMITTER EXHIBITED NON-LINEARITY SLUGGISH RESPONSE AND DEAD SPOTS WHILE ATTEMPTING TO CALIBRATE TROUBLESHOOT - REACTOR BUILDING 281 EAST INSTRUMENT ROOM	BLEED AIR OUT OF TRANSMITTER BODY
W186981	36-ACUREX	ACUREX CHART RECORDER TORUS TEMP MONITOR	CHART PICK UP ROLL DOES NOT ADVANCE - GEAR TURNS WITHOUT PAPER CARTRIDGE INSTALLED - PLEASE TROUBLESHOOT AND REPAIR AUX CONTROL ROOM CABINET 1S69	PERFORMED STEP 1 OF S-MI-5.3-001 STEPPER MOTOR GEARS TIGHT REPOSITIONED PAPER - STEP 2 OF S-MI-5.3-001 NOT REQUIRED
W185414	60-18 60-18B 60-18A 60-1 8C	EMERGENCY CONDENSER 121 122 LEVEL CONTROL LOOP	THE LOOP 12 EMERGENCY CONDENSER LEVEL CONTROL VALVE GEMAC INDICATES PARTIALLY OPEN PLEASE VERIFY VALVE SHUTS AND CORRECT ERROR SIGNAL LOCATED REACTOR BUILDING ELEVATION 340 NORTH TROUBLESHOOT	A PROBLEM REPORT HAS BEEN WRITTEN TO LOOK INTO THIS MATTER TO DETERMINE IF THE VALVE SHOULD BE ALLOWED TO CLOSE 100 PERCENT - PROBLEM REPORT 2109 SEE DCR N1-91-001-LS075
W187854	68-31	VACCUUM BREAKER PRESSURE SWITCH	PRESSURE SWITCH WILL NOT ADJUST INTO SPEC PLEASE REPLACE SWITCH LOCATED REACTOR BUILDING 237 ACROSS FROM THE CRD PUMPS	INSTALLED NEW PRESSURE SWITCH PER S-MI-5.3-001 ATTACHED - SYMBOL NUMBER 98-01-655
W187779	92-RI05C	APRM/IRM RECORDER 16	RECORDER DOES NOT FOLLOW POWER LEVEL PEN STRAIGHT LINES CLEAN REPAIR SLIDE WIRE SO PEN WILL FOLLOW POWER LEVEL	NONE REQUIRED 910219 - R DOE
W186914	201.2-450	H202 CONTROL ROOM RECORDER	PLEASE REPLACE DRIVE GEAR FOR THE RECORDER - CHART DRIVE DOES NOT ADVANCE SYMBOL 95-36-507 PLEASE REPLACE LOCATED CONTROL ROOM L PANEL 26 TOOTH GEAR	REPLACED 26 TOOTH GEAR
W185135	AMPH-RN06C	MS RAD MONITOR 112	HIGH CAL SETPOINT OUT OF GUIDE VALUE HIGH - PLEASE CORRECT - TROUBLESHOOT	REPLACED FEMTOAMMETER MODULE ON OLD MONITOR REPLACED MONITOR 910208
W186149	NEU-12-17D	LPRM 12-17D	LPRM 12-17D COULD NOT BE ZEROED DURING N1-RPSP-7 PLEASE REPAIR IN APRM 17	REPLACED TUBE INSTALLED AMP ALLOWED BURN IN TIME THEN CALIBRATED
W186128	NEU-44-17C	LPRM 44-17C	LPRM 44-17C IS FAILED DOWNSCALE AND DID NOT RESPOND DURING LPRM FLUX RESPONSE PROCEDURE N1-PAT-5-1 TROUBLESHOOT	ACCORDING TO E DUDAS REACTOR PHYSICS INPUT CABLE WAS SWAPPED WITH 36-09C - THIS HAS BEEN CORRECTED UNDER OTHER DOCUMENTS - 36-09C IS IN NEED OF REPLACEMENT - SEE WR 186127
W186233	NEU-92-12-09 C	LPRM 12-09C	LPRM 12-09C FAILED TO RESPOND DURING LPRM FLUX RESPONSE PROCEDURE N1-PAT-5-1 DETECTOR REMAINED AT 60 PERCENT WHEN ROD 14-11 WAS WITHDRAWN FROM 0 TO 48 PLEASE TROUBLESHOOT	LPRM FUNCTIONAL AS PER E DUDA 910201 - PROBLEM RESOLVED BY COMPUTER DEPARTMENT ON WR 181405
W187829	NEU-RI05D	APRM 17 CHART RECORDER - BLACK PEN	DURING PERFORMANCE OF N1-ISP-W-092-337 APRM CHART RECORDER WAS OUT OF SPEC 12 AT 7 PERCENT 110 AT 107 PERCENT 120 AT 118.5 PERCENT - LOCATION EAST PANEL	RECALIBRATE USING ISP-W-092-327 PARTIAL



NINE MILE POINT UNIT ONE
Electrical Maintenance - COMPLETED SAFETY RELATED WRs FOR FEBRUARY

03-04-91
PAGE 3
WR Number

WR Number	EPN Number	TITLE	Description	Corrective Action
W184180	37-02	REACTOR VENT VALVE 12	FINGER BASE CRACKED AND CHIPPED - MELAMINE IN COLOR - OPERATOR LEAKING GREASE INTO LIMIT SWITCH COMPARTMENT - GREASE N OPERATOR IS BLACK IN COLOR AND LIQUID IN NATURE - LIMIT SWITCH GEAR COMPARTMENT GREASE IS GREEN AND HARDENING - REPAIR AS NECESSARY	REPLACED GEARED LIMIT SWITCHES MAIN GEAR CASE GREASE WITH EPO AND GASKETS
W188344	38-NV02C	13 SDC PUMP MOTOR BREAKER	BREAKER TRIPS WHEN PUMP IS STARTED THE PUMP DID TURN - DEFICIENCY TAG 13264 IN CONTROL ROOM	FOUND TRIP DEVICES NOT SET PROPERLY WILL RESET AND RETEST - TRIP DEVICES TESTED OK - RAN PUMP DID NOT TRIP
W192004	68-25	VACUUM SWITCH 68-25	INSULATION ON FLEX CONDUIT IS TORN PLEASE REPAIR REACTOR BUILDING 237 EAST HALL COL 10 11 ROW L M	TAPED OVER FLEX CONDUIT INSULATION WITH SCOTCH 88 AND OKONITE 35
W185140	70-94	RBCLC RETURN IV FROM DRYWELL COOLERS 70-94	GREASE BREAKING DOWN IN LIMITORQUE RUNNING OUT OF COVER - PLEASE INSPECT AND REPLACE GREASE AS NECESSARY - P AND ID C-18022 SHEET 3 REACTOR 237 NORTHWEST BY HCU	PULLED MOTOR MOUNTING BOLTS TO VERIFY CONDITION OF GREASE IN VALVE GREASE IN GOOD CONDITION VALVE DOES NOT REQUIRE REGREASING
W186726	79-79.1-20	DG 103 TURBO OIL PUMP 3/4 HP - SOAK BACK	BRUSHES NEED REPLACING FOUND TO BE TOO SHORT DURING INSPECTION N1-EPM-GEN-W233 TURBINE BUILDING 261 DIESEL GEN 103	REMOVED WORN BRUSHES AND REPLACED WITH NEW ONES FROM STORES
W187634	93-71	CONTAINMENT SPRAY RAW WATER 111 TO CORE SPRAY INTERTIE VALVE	WHILE PERFORMING N1-EPM-GEN-R120 ON MCC BREAKER THE OPEN CONTACTOR MECHANICAL INTERLOCK ARM GUIDE CLIP DISLODGED WHILE REASSEMBLING UNIT PLEASE REPAIR OR REPLACE AS NEEDED - POWER BOARD 161B CUBICLE G03 261 REACTOR BUILDING	REPLACED PARTS
W192008	PWRB-16B-R10 43	POWERBOARD 16B R1043 SUPPLY BREAKER	R1043 BREAKER POWERBOARD 16B NORMAL SUPPLY FAILED AS FOUND TEST ON P1 P3 EC TRIP DEVICES	REPLACED P1 AND P3 EC TRIP DEVICES
W192010	PWRB-93-02	CONTAINMENT SPRAY RAW WATER PUMP 111 BREAKER	4.16KV BREAKER LOCATED AT POWERBOARD 102 HAS A MUFFLER PROBLEM PLEASE REPAIR OR REPLACE TYPE AM 4.16-350-1H 1200 AMP	REPLACED FAULTY DAMAGED CENTER MUFFLER UNIT ON CONTAINMENT SPRAY RAW WATER PUMP NUMBER 111 BREAKER
W192009	PWRB-R1022	EMERGENCY DIESEL GENERATOR 102 R1022	4.16 KV BREAKER LOCATED AT POWERBOARD 102 HAS A MUFFLER PROBLEM PLEASE REPAIR OR REPLACE TYPE AM 4.16-350-1H 1200 AMP	REPLACED FAULTY CENTER MUFFLER UNIT ON EMERGENCY DIESEL GENERATOR 102 BREAKER
W187630	SB-11	STATION BATTERY 11	BATTERIES ARE TOUCHING END OF BATTERY RACK AN INDEX CARD SHOULD BE ABLE TO FIT BETWEEN BATTERY AND RACK ADJUST RACK - DEFICIENCY TAG 024448 HUNG ON DOOR	ADJUSTED BATTERY RACK ENDS TO ACCOMMODATE AN INDEX CARD - RETORQUED BOLTS TO 27 FOOT POUNDS TORQUE WRENCH 22-1045



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