

I - MOSBA - 35

REPORT NO. 81  
REPORT NAME: RMO-804

GEV42351 A DISK VERSION - V.E.C.P.  
NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
WORK ORDERS BY TAG NO

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TAG NUMBER	RMO NUMBER	DISC	RESP	FORM	STATUS	CLOSED	ACT	END	LOADED	NEW	RMO
2240304002K02	2905432	ICPH	RMO	F			18/15/90	18/11/90	09/27/90		

CLEANED CONDENSING UNITS FOR K01 & K02. RESTARTED BOTH FAN MOTORS. MEASURED DEW POINT FOR K01 WAS 42.6 DEGREES F. MEASURED DEW POINT FOR K02 WAS 57.8 DEGREES F. RETURNED UNITS TO SERVICE. MAINTAINED ZONE IV CLEANLINESS VP-1296 DUE 8-17-91.

DOCKETED  
USNRC

95 JUL 14 AIO

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D.C. AIR DRYER, K01, K02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H.R. VAUGHN.

WORK PERFORMED

PERFORMED SCL00166 FOR 2240304002K02 WITH REFERENCE TO VPM-9201. DEW POINT WAS 43.7 DEG F. MAINTAINED ZONE IV CLEANLINESS 18-27-90. DEW POINT FOR 2240304002K01 WAS 74.8 DEG F. INFORMED OPERATIONS THAT A TR RECEIVER #1 NEEDS TO BE BLOWN DOWN. 18-27-90. PERFORMED SCL00166 FOR 2240304002K01. DEW POINT WAS 78.4 DEG F. INFORMED OPERATIONS AIR REC EIVER #1 NEEDS TO BE BLOWN DOWN NO OTHER WORK PERFORMED. MAINTAINED ZONE IV CLEANLINESS 18-2-90.  
RECEIVED PERMISSION FROM UNIT 1 S.S. TO BEGIN WORK. CHECKED DEW POINT ON 2240304002K01 WHICH READ 78.4 DEG F. HAD OPERAT IONS DRAIN VALVE FROM DRYER AND APPROXIMATELY ONE GALLON WAS DRAINED. CLOSED RECEIVER DRAIN VALVE. DEW POINT STILL READ 78.8 DEG F. NO OTHER WORK PERFORMED AT THIS TIME. MAINTAI NED ZONE IV CLEANLINESS USING TEST EQUIPMENT VP1296 DEW POINT ON 2240304002K01 STILL TOO HIGH. UNSATISFACTORY. COMPLETED P AGE 18 OF 18 ON PROCEDURE 20015-C.  
D.C. 8290-231 AND VRT 8128R WRITTEN ON HIGH DEW POINT.  
TERRY C. LAMB 10-11-90

OFFICE OF SECRETARY  
DOCKETING & SERVICE  
BRANCH

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2240304002K02	2905415	ICPH	RMO	F			11/09/90	11/05/90	10/24/90		
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WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D.C. AIR DRYER, K01, K02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H.R. VAUGHN.

WORK PERFORMED

PERFORMED DEW POINT CHECK ON 2240304002K01 PER SCL00166. DEW POINT WA S 48.8 DEG F ON EG 6 VP1296 CAL DUE 8-17-91. PERFORMED DEW POINT CHECK ON 2240304002K02 PER SCL00166. DEW POINT WAS 49.5 DEG F ON EG 6 VP1296 CAL DUE 8-17-91. MAINTAINED ZONE IV CLEANLINESS.

2240304002K02	2905441	ICPH	RMO	F			12/10/90	12/04/90	11/19/90		
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WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D.C. AIR DRYER, K01, K02 DEWPOINT CHECK  
CHECKLIST: SCL00166 R3  
REF RMO: 2905415  
PROCEDURE: N/A

REPORT NO. 81  
REPORT NAME: RMO-804

GEV42351 A DISK VERSION - V.E.C.P.  
NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
WORK ORDERS BY TAG NO

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TAG NUMBER	RMO NUMBER	DISC	RESP	FORM	STATUS	CLOSED	ACT	END	LOADED	NEW	RMO
2240304002K02	2905790	ICPH	RMO	F			01/04/91	12/31/90	12/20/90		

REF DNG:

WORK PERFORMED

FOLLOWING SPECIAL INSTRUCTIONS ON SCL00166 AND MEASURED DEWPOINT FOR 2 240304002K01 TO BE AT 49.8 DEG F, TESTED WITH VP-1296 CAL DUE DATE 8-1 7-91. MAINTAINED ZONE 4 CLEANLINESS. 12-3-90  
FOLLOWING SPECIAL INSTRUCTIONS ON SCL00166 AND MEASURED DEWPOINT FOR 2 240304002K01 TO BE 44.5 DEG F WITH VP1296 CAL DUE DATE 8-17-91. MAINTAI NED ZONE 4 CLEANLINESS. BOTH UNITS SHOWING CURRENT PLANT CONDITIONS. 12-4-90  
AFTER INFORMING KEH STORES THAT 2240304002K01 WAS READING CL OSE TO THE HIGH ACCEPTABLE LIMIT AND DEWPOINT 49.8 DEG F (HI GH LIMIT 50 DEG F), HE SAID HE WOULD CHECK THE REFRIGERATION SUCTION PRESSURE TO INSURE SYSTEM IS WORKING PROPERLY. AND SAID THAT WITH DEWPOINT READING WITHIN ACCEPTABLE LIMIT THAT NO FURTHER ACTION WAS NEEDED AT THIS TIME. 11-6-90

2240304002K02	2905790	ICPH	RMO	F			01/04/91	12/31/90	12/20/90		
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WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D.C. AIR DRYER, K01, K02 DEWPOINT CHECK  
CHECKLIST: SCL00166 R  
REF RMO: 2905441  
PROCEDURE: N/A  
REF DNG:

WORK PERFORMED

PERFORMED SCL00166 NO PROBLEMS FOUND K01 DEWPOINT 42.8 DEG F AND K02 DE WPOINT 45.1 DEG F. MAINTAINED ZONE IV CLEANLINESS. VP-1296 CAL DUE 8-1 7-91.

50424-OLA-3

Docket No. 50425-OLA-3 Official Ex. No. II-35

In the matter of Dr. Poew

Staff IDENTIFIED

Applicant RECEIVED

Intervenor REJECTED

Cont'g Offr

Contractor DATE 6-1-95

Other Witness Bockold

Reporter BW

CEATMANT'S  
EXHIBIT  
AT  
7/5/94  
OKES

9508110235 950601  
PDR ADOCK 05000424  
G PDR

INT 35

92 PROJECT 064422

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW MWO
12403G4001K01	18802991	MEOP	MWO	F	05/09/89	05/03/89	05/10/88			

WORK REQUESTED  
AIR TEMP HIGH ALARM IN BUT DELTA T IS ONLY 1 DEG F.  
REV 1:  
IDENTICAL PROBLEM FOR #02. CAUTION - WORK EACH AIR DRYER SEPARATELY.

WORK PERFORMED  
COT WITH ENGINEER (JOHN TRAWBER X4265) CLEANED HEAT EXCHANGE UNIT UNAB  
LE TO RUN UNIT CONTINUOUSLY WITHOUT DRAINING TANKS TO SEE IF SWITCH MO  
ULD RESET. ENGINEER SUGGESTED TO GET CLEARANCE AND PULL SWITCH.  
INVESTIGATED PROBLEM WITH HIGH TEMP ALARM & FOUND CONDENSER FOR MOTOR  
INOPERATIVE. REPLACED FAN MOTOR WITH NEW ONE FROM N.O. WAREHOUSE TO  
RESTORE UNIT TO PROPER OPERATION. MAINTAINED ZONE IV HOUSEKEEPING.  
1-2403-G4-001-K02: INVESTIGATED PROBLEM WITH UNIT & FOUND COMPRESSOR  
PULLING LOCKED ROTOR AMPS. NEED TO REPLACE COMP & LIQUID LINE DRYER.  
MAINTAINED ZONE IV HOUSEKEEPING. 24 HOURS TO DATE  
CONTACTED ELECTRICIANS ON LIFTING WIRES TO REMOVE COMPRESSOR  
FROM 1-1210-G4-001-K02 SIGNED ON CLEARANCE 1880670 READY TO  
WORK. MAINTAINED ZONE IV CLEANLINESS AND HOUSEKEEPING. MDR  
11-16-88  
LIFTED VENDOR INTER-CONNECTION WIRES BETWEEN COMPRESSOR-FAN  
MOTOR-PRESSURE SWITCH- START & RUN CAPACITORS-OVER LOAD AND  
RELAY. SEE POWER AND SIGNAL REMOVAL/REPLACEMENT DATA SHEET  
AND ATTACHED FIELD DRAWN SKETCH FOR 1-2403-G4-001-K02-2403  
G4A AIR DRYER. MAINTAINED ZONE IV CLEANLINESS. LENARD P HOFF  
F 11-17-88  
PULLED COMPRESSOR. TOOK IT OUT THE MAINT BUILDING. (TIM BUTIRI  
NG OUTSIDE) INSTALLED NEW COMPRESSOR AND INSTALLED NEW AIR B  
RIER. MAINTAINED ZONE IV HOUSEKEEPING TOMMY A FARMER. 11/18  
INSTALLED NEW FILLER ON SUCTION SIDE OF COMPRESSOR MER-7536.  
CLEANED LINES OUT HIGH SIDE AND LOW SIDE WITH FREON#12 MER-  
7500 COMPLETED BRAZING WELDS INLET LINE COMPRESSOR, AND OUT  
LET LINE COMPRESSOR, WITH BAG-1-1/16" #7335 ON MFG-880950.  
MAINTAINED IV HOUSEKEEPING AND CLEANLINESS. MDR 11-18-88  
HOOKED UP VACUUM PUMP TO COMPRESSOR CHECKING FOR LEAKS.  
NEED TO CONTACT ELECTRICIANS TO WIRE UP COMPRESSOR.  
MAINTAINED ZONE IV HOUSEKEEPING AND CLEANLINESS. MDR 11-19-88  
CONTACTED ELECTRICIANS TO WIRE COMPRESSOR CHECKING FOR LEAKS  
NEED TO CONTACT ELECTRICIANS TO WIRE UP COMPRESSOR.  
MAINTAINED ZONE IV HOUSEKEEPING AND CLEANLINESS. MDR 11-19-88  
LIFTED WIRE #5 FROM RELAY TO HI-PRESSURE SWITCH FROM RELAY P  
DINT AND LANDED #6 TO FAN ON RELAY POINT. THERE BY BY-PASSING  
A DEFECTIVE PRESSURE SWITCH, SO FAN COULD RUN AND UNIT COULD  
BE CHARGED THESE INSTRUCTIONS WERE GIVEN BY TIM STEELE.  
LENARD P HOFF 11-23-88  
FILLED UNIT 1-2403-G4-001-K02 WITH FREON 12-MER-7568 PER TIM  
STEELE. FAN CUT OUT SWITCH WAS "BAD" NEED TO ORDER NEW SWITCH  
REPLACEMENT PARTS #130,153,10 MAINTAINED ZONE IV CLEANL  
NESS & HOUSEKEEPING MDR 11-23-88  
PREVIOUS REMOVED CONNECTIONS WITH THE EXCEPTION OF CONDUCTOR  
S TO BE LANDED ON OVERLOAD PROTECTION DISC. MAINTAINED ZONE  
IV CLEANLINESS. LENARD P HOFF 11-26-88

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REPORT NO. 01  
REPORT NAME: MWO-084

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TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW MWO
12403G4001K01	18809080	MEPH	MWO	F	05/06/89	05/01/89	12/26/88			

INSTALLED THERMAL OVERLOAD PROTECTION DISC AND RECONNECTED  
CONDUCTORS. MAINTAINED ZONE IV CLEANLINESS. LENARD P HOFF 11  
-21-88  
CHECKED WITH SHIFT SUPERVISOR, AND STARTED PICKING UP TOOLS  
FOR COMPRESSOR JOB, TOOL ROOM HAD NO WAY OF REPAIRING  
VACUUM PUMP. WE MADE A TEMPORARY HOOK UP ON VACUUM PUMP &  
ELECTRIC MOTOR. A HEAVY WALL AIR HOSE WAS USED TO SUBSTITUTE  
A MOTOR COUPLING. PULL VACUUM FOR ONE HOUR CHARGED UNIT WITH  
FREON #12, 60 LBS HOLDING CHARGE. SHIFT SUPERVISOR SAID TO  
SAY FOR 24 HOURS WITH POWER ON. BEFORE STARTING UNIT UP  
TO GIVE OIL INSIDE CRANK CASE ENOUGH TIME TO WARM UP. AFTER  
24 HOURS FROM NOW UNIT WILL NEED TO BE FINISH CHARGING  
UNDER RUNNING CONDITIONS. ALSO START AND RUN CAPACITOR NEED  
TO BE CHECKED UNDER RUNNING CONDITIONS. MAINTAIN ZONE IV  
TURNED MANUAL SHUTOFF VALVE LOCATED ON RECEIVER (TANK) OFF.  
REMOVED COPPER TUBING THAT IS ATTACHED TO FAN CUT-OUT  
SWITCH FROM SHUTOFF VALVE. COPPER TUBING HAS TO BE BRAZED  
FOR FLARING BUT REMOVED FAN CUT OUT SWITCH AND BROUGHT TO  
SHOP. OLD FAN CUT OUT SWITCH NEW FAN CUT OUT SWITCH  
ROBERTSHAW CONTROLS CO ROBERT SHAW CONTROLS CO  
ROBERT SHAW CONTROLS CO ME 28-1581  
ME 28-1581 MER 8802017  
MAINTAINED ZONE IV HOUSE CLEANLINESS. RPS 2-8-89  
INSTALLED NEW FAN CUT-OUT SWITCH MER 8802017. CONNECTED  
COPPER TUBING TO SHUT OFF VALVE (MANUAL). RECONNECTED BLUE  
WIRE FROM FAN CUT-OUT SWITCH TO #6 BLACK OF FAN USING 16-22  
INSULATED BUTT SPLICE MER 88020229. CRIMPER YDZ-1262 C/D/V  
8-18-89. RELANDED BLUE WIRE #5 ON CUT-OUT SWITCH TO POINT 5  
ON RELAY PER BLOCK 27 SPECIAL INSTRUCTION GIVEN BY TIM  
STEELE TO PUT DEFECTIVE SWITCH OUT OF SERVICE ON 11-23-88.  
THE INFORMATION GIVEN ON 11-23-88 WAS REVERSED ON 2-11-89 TO  
PUT NEW SWITCH BACK IN ORIGINAL CONFIGURATION. OPENED MANUAL  
ON 2-8 & 2-11-89  
HEATED FLARE TO TUBING ADAPTER AND REMOVED OLD TUBING.  
SOLDERED FLARING ADAPTER TO TUBING ON NEW SWITCH USING  
BAG-1 #7335 1/16" BRAZING ROD. MAINTAINED ZONE IV  
HOUSEKEEPING.  
CHECKED DEWPOINT ON 1-2403-G4-001-K01, IT WAS 43.9F  
MAINTAINED ZONE IV HOUSEKEEPING. DEWPLIER YD 1115 CDD 5-2-89  
DEWPOINT ON 1-2403-G4-001-K02 WAS NOT PERFORMED. DRYER STILL  
INDICATED AIR TEMP HIGH ALARM.  
THIS MWO WILL BE CLOSED SINCE BOTH DRYERS ARE DEFERENCED  
AND TO AVOID FURTHER CONFUSION INVOLVING DOCUMENTATION.  
NEW MWO 18901000 HAS BEEN ISSUED.  
OBTAINED PERMISSION TO RECHECK LIFTED LEAD SHEET & WIRING  
ON AIR DRYER 1-2403-G4-001-K02 ALL WIRING INTACT & PER  
LIFTED LEAD SHEET (11-17-88). CLEARANCE R FULMAN  
MAINTAINED ZONE IV CLEANLINESS.

WORK REQUESTED  
PLR.DRM.FOLLOWING PM

WORK ORDERS BY TAG NO

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

WORK PERFORMED

VISUALLY INSPECTED GOVERNOR TO ENSURE KNOR SETTING WERE SECURED IN POSITION WITH TORQUE SEAL. CHECKED GOVERNOR LEAKAGE FOR LOOSE PARTS & MD FOUND NONE. LUBRICATED CROSS SHAFT DILUTE BEARING OLPS. LUBRICATE D FUEL BACK BUSHING AND BUSHING SEALS. LUBRICATE USED ABOVE MORTI CARD 8142 MER 87-1078). MAINTAINED ZONE IV HOUSEKEEPING. JEH 1/18/89  
 VISUALLY CHECK FOR EXTENSION AND RETURN OF CYLINDER. VISUALLY CHECK X SHAFT (FUEL PUMP) FOR BINDING AND STICKING. INSPECTED ALL CONNECTIO M (MECHANICAL) AND TIGHTENED AS NECESSARY. JEH 1/18/89  
 PF11  
 CLEANED CONDENSING UNIT 1-2403-G4-001-K01 AND 1-2403-G4-001-K02. MEASURE DEW POINT ON 1-2403-G4-001-K01, DW POINT READING OF +27.3 F. COULD NOT PERFORM DEW POINT READING ON 1-2403-G4-001-K02 BECAUSE OF HOLD TAGS. INSPECTED THE TEMPERATURE SENSITIVE ON THE HEXAGONAL BODY OF THE DIODES, LOCATED IN THE EMERGENCY GENERATOR PANEL. TEMPERATURE SENSITIVE ON NO CHAN GE IN COLOR. DEH 1/24/89. DIGITAL HUMIDITY ANALYZER WAS USED FOR DEW POINT. VP-1114 CAL DUE DATE 5/2/89 DEH 1/20/89  
 MAINTAIN ZONE IV CLEANLINESS. DEH 1/20/89  
 ALL ELECT WORK FOR 1/20/89 APPROVED. 4 HOURS. CJL 1/20/89  
 COULD NOT PERFORM STEPS THAT SAY TO START FAN MOTOR, AND ALSO MEASURE DEW POINT ON 1-2403-G4-001-K02. THESE TWO STEPS WILL BE PERFORMED UNDER MWO 18901008 ALSO TO CORRECT A PROBLEM WITH THE DRYER AND THEN START THE FAN MOTOR AND TAKE MAINTAIN ZONE IV HOUSEKEEPING. DEH 3/1/89

12403G4001K01 18900964 NEPH MWO F 03/21/89 03/16/89 02/23/89

WORK REQUESTED  
 PERFORM FOLLOWING PH

WORK PERFORMED  
 PERFORMED CHECKLIST SCL00166 ON MAPI TAG NUMBERS 1-2403-G4-001-K01 AND K02. THE FOURTH STEP CALLS FOR DEWPOINT TEMPS TO BE RECORDED IN BLK 27 AND THEY ARE AS FOLLOWS: (1-2403-G4-001-K01 IS 22.6 DEG F) AND (1-2403-G4-001-K02 IS 20.1 DEG F). THE MATE THAT WAS USED CAME FROM I&C DEPARTMENT, ITS MATE NUMBER IS VP-1114 CAL DUE DATE 5-2-89 NO OTHER WORK WAS PERFORMED. MAINTAINED ZONE IV CLEANLINESS.

12403G4001K01 18902453 ICOP MWO F 07/02/89 06/00/88 06/09/89

WORK REQUESTED  
 PERFORM FOLLOWING PH

WORK PERFORMED  
 OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CHECKED DEW POINT OF AIR START DRYER 12403G4001K01 IT WAS + 40 DEGREES F. COULD NOT CHECK DEW POINT ON 12403G4001K02, IT WAS TAGED OUT UNDER CLEARANCE 1-89-10093. MAINTAINED ZONE IV HOUSEKEEPING. D.M. 6-21-89  
 MATE USED VP 2722 CAL DUE 9-2-89 M.J.L. 6/21/89 PGL 2 HOURS  
 PERFORMED APPLICABLE STEPS OF PH ON 12403G4001K01 AND K02. DEWPOINT SH

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 REPORT NAME: MWO-004

GEV42551 A DISK VERSION - V.E.G.P.  
 NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
 WORK ORDERS BY TAG NO

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TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

COULD BE TAKEN AT A LATER DATE ON 12403G4001K02 BECAUSE REFRIG UNIT WAS BEING REPAIRED AT THIS TIME. MAINTAINED ZONE IV HOUSEKEEPING.  
 OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. TALKED WITH KEN STOKES AND HE SAID THE DRYER NEEDS TO BE REPLACED. DRYER 12403G4001K02. THIS WORK WILL BE PERFORMED UNDER MWO 18921008 WHEN WORK IS COMPLETED. MWO 18921008 WILL ALSO CHECK DEWPOINT ON THE DRYER.

12403G4001K01 18902798 ICOP MWO F 08/04/89 07/30/89 06/29/89

WORK REQUESTED  
 PERFORM FOLLOWING PH

WORK PERFORMED  
 PERFORMED P.H. ON 12403G4001K01 & 12403G4001K02 PER CHECKLIST SCL00166 DEWPOINT MEASUREMENTS WERE + 43 DEGREES F ON DRYER 12403G4001K01 AND + 39 DEGREES F ON 12403G4001K02.  
 MAINTAINED ZONE IV CLEANLINESS. MATE USED CP2722 DUE 6-2-89.  
 VERIFIED ZONE IV CLEANLINESS WAS MAINTAINED RAH 7-30-89

12403G4001K01 18903714 ICOP MWO F 08/29/89 08/24/89 07/27/89

WORK REQUESTED  
 PERFORM FOLLOWING PH

WORK PERFORMED  
 PERFORMED THE WORK SPECIFIED PER SCL00166. MAINTAINED ZONE IV CLEANLINESS. TEST EQUIPMENT: VP-2721, C/O 9/2/89.  
 STEP 4: (RECORD DEW POINT)  
 12403G4001K01 = 57 DEGREES F  
 12403G4001K02 = 35 DEGREES F

12403G4001K01 18903652 ELPH MWO F 10/03/89 09/27/89 08/25/89

WORK REQUESTED  
 PERFORM FOLLOWING PH

WORK PERFORMED  
 OBTAINED PERMISSION FROM UNIT ONE S.S. TO BEGIN WORK. CHECKED DEW POINT ON AIR DRYER 12403G4001K01, IT WAS 44.5 DEGREES F. CHECKED DEW POINT ON AIR DRYER 12403G4001K02, IT WAS + 45 DEGREES F. M & TE USED V P 2466 CAL DUE 3/2/90. MAINTAINED ZONE IV HOUSEKEEPING. PH NOT FINISHED BY LATE DATE D C 81-89-1415 WRITTEN. PERFORMED CHECKLIST SCL00166 FOR AIR DRYER 1-2403-G4-001-K01, K02. MAINTAINED ZONE IV CLEANLINESS.

12403G4001K01 18904442 ICOP MWO F 10/24/89 10/20/89 09/21/89

WORK REQUESTED  
 PERFORM FOLLOWING PH

Exhibit 1, page 1 of 1

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TAG NUMBER MWO NUMBER DISC RESP FORME STATUS CLOSED ACT END LOADED NEW MWO  
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WORK PERFORMED  
MEASURED DEW POINT OF 12403G4001K01 AND 12403G4001K02 MATE USED  
VP-2466. CLEANED CONDENSING UNITS PER PH CHECKLIST.  
12403G4001K01 DEWPOINT = 38 DEGREES F  
12403G4001K02 DEWPOINT = 45 DEGREES F.  
MAINTAINED ZONE IV CLEANLINESS  
VERIFIED ZONE IV CLEANLINESS WAS MAINTAINED RAH 10-20-89

12403G4001K01 18965007 ICPH MWO F 11/24/89 11/20/89 10/26/89

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
PERFORMED PH ON 12403G4001K01 FOUND DEWPOINT AT 40 DEGREES F. PERFORME  
D PH ON 12403G4001K02 FOUND DEWPOINT AT 47 DEGREES F. USED VP-2466 DUE  
3-7-90. ALTHOR MANUAL VH-1149 WAS USED FOR CONVERSION CHART. MAINTAINED  
ZONE IV CLEANLINESS.

12403G4001K01 18966199 ICPH MWO F 01/08/90 12/20/89 12/01/89

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
CLEANED CONDENSING UNIT FOR 12403G4001K01 & K02 AND MEASURED DEWPOINTS  
PER SCL166 USING VP-2466 CAL DUE 3/7/90. USING DEW POINT CONVERSION  
CHART, FIGURE 8 IN VH1149. 12403G4001K01 & K02'S DEW POINTS CONDENSAT  
ED FOR 250 PSI. ARE 40 DEGREES F AND 37 DEGREES F RESPECTIVELY. MAINTA  
INED ZONE IV CLEANLINESS.

12403G4001K01 18966445 ICPH MWO F 01/23/90 01/18/90 12/18/89

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
CLEANED CONDENSING UNITS AND PERFORMED DEW PT MEASUREMENTS ON TRAIN  
#2 DIESEL GEN. AIR START DRYERS. 12403G4001K01 & 12403G4001K02 PER  
MAINTENANCE REQUIREMENTS & SPECIAL INSTRUCT. AS LISTED ON THE EQUIP.  
MAINT. CHECKLIST. FINAL READINGS FOR BOTH UNITS WERE 49 DEGREES F.  
DETERMINED FROM THE DEW PT CONVERSION CHART IN VH-1149. USED TEST  
EQUIP VP-2466 C.D.D. 3-7-90 VP-2710 CDD 3-6-90. MAINTAINED ZONE IV  
CLEANLINESS.

12403G4001K01 19000465 ICPH MWO F 02/14/90 02/11/90 01/26/90

WORK REQUESTED  
PERFORM FOLLOWING P M

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TAG NUMBER MWO NUMBER DISC RESP FORME STATUS CLOSED ACT END LOADED NEW MWO  
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WORK PERFORMED  
DEW POINT IS 37 DEGREES F USED VP-2466 MAINTAINED ZONE IV CLEANLINESS.  
NOTE: THE DEW POINT WAS 37 DEGREES F FOR BOTH AIR DRYERS.

12403G4001K01 19000029 ICPH MWO F 03/16/90 03/09/90 02/23/90

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
PERFORMED PH USING CHECKLIST SCL166. MAINTAINED ZONE IV CLEANLINESS.  
TU 3-9-90  
AS LEFT FINDINGS WERE FOUND OUT OF TOLERANCES  
DEW POINTS WERE FOUND @ 41 DEGREES F & 44 DEGREES F.  
BOTH AIR DRYERS WERE RETESTED ON 3-12-90 AND BOTH WERE FOUND TO BE  
IN TOLERANCE @ AIR DRYER WAS 48 DEGREES F.  
02 AIR DRYER WAS 45 DEGREES F TU 3-12-90

12403G4001K01 19001513 ICPH MWO F 05/02/90 03/31/90 03/29/90

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
OBTAINED PERMISSION FROM UNIT ONE SS TO BEGIN WORK. CHECKED THE DEWPT  
MT ON AIR START AIR DRYER'S 12403G4001K01 AND K02. K01 WAS 89 DEG F AN  
D K02 WAS 60 DEG F. IT WAS WRITTEN BUT UNIT ONE SS JOHN ROWLES SAID HE  
R 00150-C STEP 4.2 IA DC WAS NOT NEEDED BUT A MWO SHOULD BE WRITTEN. A  
MWO WAS WRITTEN (MWO 00005). MATE USED VP-2466 CAL DUE 4-7-90. MAINT  
AINED ZONE IV HOUSEKEEPING.  
CLEANED CONDENSING UNITS ON 12403G4001K01 AND K02. MAINTAINED ZONE IV  
CLEANLINESS.

12403G4001K01 19001651 ICPH MWO F 04/15/90 04/13/90 03/30/90

WORK REQUESTED  
WHILE PERFORMING PH ON DIESEL GEN AIR START AIR DRYERS TRAIN A, FOUND  
THE DEW POINT TO HIGH. 12403G4001K01 WAS 80 DEGREES F AND K02 WAS  
60 DEGREES F. DEW POINT SHOULD BE BETWEEN 52 DEGREES F AND 50 DEGREES  
F. P. M. MWO019001513.  
LOCATION: A TRAIN UNIT ON DIESEL GEN.  
MWO000005

WORK PERFORMED  
PERFORMED DEWPOINT READING ON AIR START DRYERS TRAIN A. ANOTHER  
INDEPENDENT DEWPOINT READING WAS ALSO PERFORMED. THE RESULTS ARE ON  
THE CONTINUATION SHEET. USED VP-2466. CAL DUE 4-7-90. D B THAMES 4-5-90  
12403G4001K01-PRESSURE/240 PSIG  
1800 EST TEMP INST READING CONVERSION CHART DEWPOINT UNDER PRESS  
1ST READING 82 88 77 F 88 F  
2ND READING 82 88 77 F 88 F

Exhibit - page 01

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12403G4001K02											
<p>MP11 12403G4001K02 PRESSURE 1237 PSIG 1800 EST TEMP INST CONVERSION DEWPOINT UNDER PRESSURE 1ST READING 83 .55 -2°F 67°F 2ND READING 83.5 .58 +6°F 77°F OBTAINED PERMISSION FROM UNIT ONE S.S. TO BEGIN WORK. 4-5-90 21:30 EST. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01 IT WAS 85° F. CHECKED THE DEW POINT ON AIR DRYER 1-2402-GP-001-K01 IT WAS 83° F. RATE USED ALMOR VP-2466 CAL DUE 4-7-90. 00:05 CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01, IT WAS 85° F. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K02 IT WAS 85° F. RATE USED ALMOR VP-2466 CAL DUE 4-7-90. 04:25 CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01, IT WAS 85° F. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K02, IT WAS 85° F. RATE USED ALMOR VP-2466 CAL DUE 4-7-90. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01, IT WAS 80 DEGREES F. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K02, IT WAS 70 DEGREES F. RATE USED ALMOR VP-2466. CAL DUE 4-7-90. MAINTAINED ZONE IV CLEANLINESS. DEBBIE THAMES 5-6-90 1530 EST. CHECKED THE DEWPOINT ON AIR DRYER 1-2403-G4-001-K01. IT WAS 80 DEG F. THE RECEIVER ON 1-2403-G4-001-K02 HAD BE EN ALED BY MECHANICS TO INSPECT VESSEL. NO DEWPOINT COULD BE TAKEN. 1700 EST: CHECKED THE DEWPOINT ON AIR DRYER 1-2403-G4-001-K01. IT WAS 75 DEG F USING EG &amp; G VP-1114 CAL DUE 8-3-90. MAINTAINED ZONE IV CLEANLINESS. CHECKED DEWPOINTS ON NIGHT SHIFT WITH 3 DIFFERENT UNITS: A TRM K-1: 1. .63 AT 73 DEG F = 7 DEG F - 75 DEG F DP WITH ALMOR 7200 VP-2466 CAL DUE 4-7-90 2. .42 AT 75 DEG F = -42 DEG F = 15 DEG F DP WITH ALMOR 7000 GE 3. .7 = 75 DEG F DP WITH EG &amp; G VP1114 CAL DUE 8-3-90 K02: 1. .63 AT 75 DEG F = +9 DEG F = 80 DEG F DP WITH ALMOR 7200 VP-2466 CAL DUE 4-7-90 2. .47 AT 77 DEG F = -27 DEG F = 33 DEG F DP WITH ALMOR 7000 GE RENTAL SER# 24901 3. +10 = 78 DEG F DP WITH EG &amp; G VP1114 CAL DUE 8-3-90. MAINTAINED ZONE IV CLEANLINESS. 4-7-90 OBTAINED PERMISSION FROM UNIT ONE SS TO BEGIN WORK. CHECKED THE DEWPOINT ON AIR START AIR DRYER'S 1-2403-G4-001-K01 AND K02 USING 2 (TWO) EG &amp; G DEW ALLS MODEL 911. VP-1114 CAL DUE 8-3-90 AND P33570 CAL DUE 10-25-90 FIRST READINGS DEWPOINTS TAKEN ON 1-2403-G4-001-K01 1-2403-G4-001-K02 SECOND READINGS MAINTAINED ZONE IV HOUSEKEEPING 4-8-90 P33570 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED FOR INFORMATION ONLY. IT HAS NO OFFICIAL SITE CAL. 4-8-90 CHECKED DEWPOINT AT DIESEL GEN 1A K01 - 51.3 DEG F 3.6 DEG C (30.5 DEG F) K02 - 36.2 DEG F 2.1 DEG C (35.8 DEG F) MAINTAINED ZONE IV CLEANLINESS. 4-11-90 AIR DRYERS ARE OPERATING WITHIN ACCEPTABLE LIMITS; MWO TO BE</p>											

Exhibit page of 1

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12403G4001K01	19002137	ICPM	MWO	F	05/16/90	05/14/90	04/25/90				
<p>WORK REQUESTED PERFORM FOLLOWING P.M. 1 MO - A TRAIN - D.C. AIR RECEIVER K01, K02 DEW POINT CHECK.  WORK PERFORMED PERFORMED PH CHECKLIST ON AIR START DRYER 12403G4001K01. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE "IV" CLEANLINESS. DEWPOINT READING 41 DEGREES F. PERFORMED PH CHECKLIST ON AIR START DRYER 12403G4001K02. DEWPOINT READING 43 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE "IV" CLEANLINESS.</p>											
12403G4001K01	19002652	ICPM	MWO	F	06/21/90	06/06/90	05/21/90				
<p>WORK REQUESTED PERFORM FOLLOWING P.M. DUE DATE ADJUSTED PER H.R. VAUGHT.  WORK PERFORMED AFTER SIGNING DUE FOLLOWED SPECIAL INSTRUCTIONS PER SCL08166. DEW POINT FOR 12403G4001K01 WAS +12.9 DEGREES F AND 12403G4001K02 WAS -18.6 DEGREES F. TEST VP USED WAS 1/P 1114 DUE DATE 8/5/90. MAINTAINED ZONE IV CLEANLINESS. AFTER SIGNING PACKAGE ON RECHECKED DEWPOINT USING ROOT VALVES 12403K40 10 FOR 12403G4001K01 AND FOUND DEWPOINT AT 35.6 DEG F AND 12403K012 F ON 12403G4001K02 AND FOUND DEWPOINT AT 41.4 DEG F. THESE ROOT VALVES WERE DETERMINED TO REPRESENT A MORE CONSISTENT MOISTURE CONTENT READINGS MAINTAINED ZONE IV CLEANLINESS. TEST VP USED VP-1114 CAL DUE DATE 8-3-90</p>											
12403G4001K01	19003968	ICPM	MWO	F	07/06/90	07/03/90	06/28/90				
<p>WORK REQUESTED PERFORM FOLLOWING P.M. 1 MO - A TRM - D.C. AIR RECEIVERS K01/K02 DEWPOINT CHECK DUE DATE ADJUSTED PER H.R. VAUGHT.  WORK PERFORMED PERFORMED PH CHECKLIST ON 12403G4001K02 AND FOUND DEWPOINT AT 38.3 DEGREES F. PERFORMED PH CHECKLIST ON 12403G4001K01 AND FOUND DEWPOINT AT 47.5 DEGREES F. USED EG &amp; G MODEL 911 DEWALL VP-1114 CAL DUE 8-3-90 FOR READINGS. MAINTAINED ZONE IV CLEANLINESS.</p>											
12403G4001K01	19003369	ICPM	MWO	F	08/13/90	08/10/90	07/19/90				
<p>WORK REQUESTED PERFORM FOLLOWING P.M. 1 MO - A TRM - D.C. AIR RECEIVERS K01/K02 DEWPOINT CHECK</p>											

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TAG NUMBER RWO NUMBER DISC RESP FREQ STATUS CLOSED ACT END LOADED NEW RWO  
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DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED PR'S ON 'A' TRAH AIR RECEIVERS 501 & 502 PER SCL00166. CLE  
ANED OUT CONDENSING UNITS AND CHECKED DEWPOINT. 501-DEWPOINT IS 43.1  
DEGREES F. 502-DEWPOINT IS 35.4 DEGREES VP 1119 C/R 9-3-90 ZONE IV NOW  
SEEKING MAINTAINED.

1240304001K01 1900399 ICPM RWO F 08/31/90 08/26/90 08/15/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRN - D G AIR RECEIVERS 801/802 DEWPOINT CHECK  
CHECKLIST: SCL00166 R2  
REF PWMO: 19003060  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VH-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED PR USING CHECKLIST 166. THE READINGS WERE SATISFACTORY.  
801= 35.7 DEGREES F. 802=37.8 DEGREES F. MAINTAINED ZONE IV  
CLEANLINESS. 1X R-24-90

1240304001K01 19003937 ICPM RWO F 09/30/90 09/27/90 09/15/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRN - D G AIR RECEIVERS 801/802 DEWPOINT CHECK  
CHECKLIST: SCL00166 R2  
REF PWMO: 19003060  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VH-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED SCL00166 FOR 1240304001K01 DEW POINT WAS 41.5 F AND FOR 1240  
304001K02 DEW POINT WAS 38.3 F. USED EC & G RODK L 911 VP-1296  
C/D 8-17-91. MAINTAINED ZONE IV CLEANLINESS.

1240304001K01 19004162 ICPM RWO F 10/27/90 10/22/90 10/11/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRN - D G AIR RECEIVERS 801/802 DEWPOINT CHECK  
CHECKLIST: SCL00166 R2  
REF PWMO: 19003060  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VH-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

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TAG NUMBER RWO NUMBER DISC RESP FREQ STATUS CLOSED ACT END LOADED NEW RWO  
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PERFORMED CHECKLIST PER RWO. DEW POINTS ARE AS FOLLOWS 1240304000K01 D  
P 37.7. 1240304001K02 DP 33.1. DATE VP1296 CAL DUE 8-17-90  
READINGS ARE ACCEPTABLE. MAINTAINED ZONE IV CLEANLINESS. JSS 10-22-90

1240304001K01 19004399 ICPM RWO F 11/30/90 11/20/90 11/08/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRN - D G AIR RECEIVERS 801/802 DEWPOINT CHECK  
CHECKLIST: SCL00166 R2  
REF PWMO: 19003060  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VH-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED CHECK OF DG AIR START DRYERS DEWPOINT PER SCL 00166. FOUND D  
EWPOINT FOR 1240304001 AT 30.0 F WHICH IS WITHIN THE ACCEPTABLE LIMITS  
OF SCL 00166. FOUND DEWPOINT FOR 1240304001K02 AT 36.4F WHICH IS WITHI  
N THE ACCEPTABLE LIMITS OF SCL00166. USED VP 1296 CAL DUE 8-17-91 FOR D  
EWPOINT READINGS. MAINTAINED ZONE IV CLEANLINESS. 11-20-90

1240304001K01 19004666 ICPM RWO F 12/28/90 12/21/90 12/06/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRN - D G AIR RECEIVERS 801/802 DEWPOINT CHECK  
CHECKLIST: SCL00166 R2  
REF PWMO: 19003060  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VH-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

CL-166 FOR BOTH D.G. AIR START AIR DRYER 1 & 2 WITH THE FOL  
LOWING: 81 = 38.5 DEGREES F. ALSO TURNED OFF FAN MOTOR FOR  
EACH TO BLOW OUT CONDENSER. FAN MOTORS WERE TURNED BACK ON AFTER  
CONDENSERS WERE BLOWN DOWN. MAINTAINED ZONE IV CLEANLINESS.

1240304001K02 16002991 MEDP RWO F 05/09/89 05/03/89 05/18/88

WORK REQUESTED

AIR TEMP HIGH ALARM IN BUT DELTA T IS ONLY 1 DEG F.  
IDENTICAL PROBLEM FOR 802. CAUTION - WORK EACH AIR DRYER SEPARATELY.

WORK PERFORMED

WOT WITH ENGINEER (JOHN TRAMER 84265) CLEANED HEAT EXCHANGE UNIT UNAB  
LE TO RUN UNIT CONTINUOUSLY WITHOUT DRAINING TANKS TO SEE IF SWITCH WO.  
ULD RESET. ENGINEER SUGGESTED TO GET CLEARANCE AND PULL SWITCH.

Exhibit 1 page of

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TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO  
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INVESTIGATED PROBLEM WITH HIGH TEMP ALARM & FOUND CONDENSER FOR MOTOR INOPERATIVE. REPLACED FAN MOTOR WITH NEW ONE FROM N.O. WAREHOUSE TO RESTORE UNIT TO PROPER OPERATION. MAINTAINED ZONE IV HOUSEKEEPING. 1-2403-G4-001-K02. INVESTIGATED PROBLEM WITH UNIT & FOUND COMPRESSOR PULLING LOCKED MOTOR AMPS. NEED TO REPLACE COMP & LIQUID LINE DRYER. MAINTAINED ZONE IV HOUSEKEEPING. 24 MANHOURS TO DATE.

CONTACTED ELECTRICIANS ON LIFTING WIRES TO REMOVE COMPRESSOR FROM 1-1210-G4-001-K02 SIGNED ON CLEARANCE 18004628 READY TO WORK. MAINTAINED ZONE IV CLEANLINESS AND HOUSEKEEPING. MDR 11-16-88

LIFTED VENDOR INTER-CONNECTION WIRES BETWEEN COMPRESSOR-FAN MOTOR-PRESSURE SWITCH- START & RUN CAPACITORS-OVER LOAD AND RELAY. SEE POWER AND SIGNAL REMOVAL/REPLACEMENT DATA SHEET AND ATTACHED FIELD DRAWN SKETCH, FOR 1-2403-G4-001-K02-2403-DG1A AIR DRYER. MAINTAINED ZONE IV CLEANLINESS. LENARD P MOFF 11-17-88

PULLED COMPRESSOR, TOOLKIT OF THE MAINT BUILDING, (TIN BUILDING OUTSIDE) INSTALLED NEW COMPRESSOR AND INSTALLED NEW AIR DRYER. MAINTAINED ZONE IV HOUSEKEEPING TOMMY A FARMER, 11/18

INSTALLED NEW FILTER ON SUCTION SIDE OF COMPRESSOR MER-7558. CLEANED LINES OUT, HIGH SIDE AND LOW SIDE WITH FREON 113 MER-7500 COMPLETED BRAZING WELDS INLET LINE COMPRESSOR AND OUTLET LIVE COMPRESSOR, WITH BAG-1-1/16" #7335 ON WPCS-88950. MAINTAINED IV HOUSEKEEPING AND CLEANLINESS. MDR 11-18-88

HOOKED UP VACUUM PUMP TO COMPRESSOR CHECKING FOR LEAKS. NEED TO CONTACT ELECTRICIANS TO WIRE UP COMPRESSOR. MAINTAINED ZONE IV HOUSEKEEPING AND CLEANLINESS MDR 11-19-88

CONTACTED ELECTRICIANS TO WIRE COMPRESSOR CHECKING FOR LEAKS NEED TO CONTACT ELECTRICIANS TO WIRE UP COMPRESSOR. MAINTAINED ZONE IV HOUSEKEEPING AND CLEANLINESS MDR 11-19-88

LIFTED WIRE #5 FROM RELAY TO HI-PRESSURE SWITCH FROM RELAY POINT AND LANDED #6 TO FAN ON RELAY POINT, THERE BY BY-PASSING DEFECTIVE PRESSURE SWITCH, SO FAN COULD RUN AND UNIT COULD BE CHARGED THESE INSTRUCTIONS WERE GIVEN BY TIM STEELE. LENARD P MOFF 11-23-88

FILLED UNIT 1-2403-G4-001-K02 WITH FREON 12-MER-7500 PER TIM STEEL. FAN CUT OUT SWITCH WAS "BAD" NEED TO ORDER NEW SWITCH REPLACEMENT PARTS #4130.143.10 MAINTAINED ZONE IV CLEANLINESS & HOUSEKEEPING MDR 11-23-88

PREVIOUS REMOVED CONNECTIONS WITH THE EXCEPTION OF CONDUCTOR 5 TO BE LANDED ON OVERLOAD PROTECTION DISC. MAINTAINED ZONE IV CLEANLINESS. LENARD P MOFF 11-20-88

INSTALLED THERMAL OVERLOAD PROTECTION DISC AND RECONNECTED CONDUCTORS. MAINTAINED ZONE IV CLEANLINESS. LENARD P MOFF 11-21-88

CHECKED WITH SHIFT SUPERVISOR, AND STARTED PICKING UP TOOLS FOR COMPRESSOR JOB. TOOL ROOM HAD NO WAY OF REPAIRING VACUUM PUMP. WE MADE A TEMPORARY HOOK UP ON VACUUM PUMP & ELECTRIC MOTOR. A HEAVY WALL AIR HOSE WAS USED TO SUBSTITUTE A MOTOR COUPLING. PULL VACUUM FOR ONE HOUR. CHARGED UNIT WITH FREON #12. 60 LBS HOLDING CHARGE. SHIFT SUPERVISOR SAY TO WAIT FOR 24 HOURS WITH POWER ON. BEFORE STARTING UNIT UP/ TO GIVE OIL INSIDE CRANK CASE ENOUGH TIME TO WARM UP. AFTER 24 HOURS FROM NOW, UNIT WILL NEED TO BE FINISH CHARGING UNDER RUNNING CONDITIONS. ALSO START AND RUN CAPACITOR NEED

Exhibit 1, page 01

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TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO  
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TO BE CHECKED UNDER RUNNING CONDITIONS. MAINTAIN ZONE IV TURNED MANUAL SHUTOFF VALVE LOCATED ON RECEIVER (TANK) OFF. REMOVED COPPER TUBING THAT IS ATTACHED TO FAN CUT-OUT SWITCH FROM SHUTOFF VALVE. COPPER TUBING HAS TO BE BRAZED FOR FLARINE NUT. REMOVED FAN CUT OUT SWITCH AND BROUGHT TO SHOP. OLD FAN CUT OUT SWITCH. NEW FAN CUT OUT SWITCH

ROBERT SHAW CONTROLS CO ROBERT SHAW CONTROLS CO  
MG 20-1301 MF 20-1301  
MER 8002017

MAINTAINED ZONE IV HOUSE CLEANLINESS. RPB 2-8-89

INSTALLED NEW FAN CUT-OUT SWITCH MER #89002017. CONNECTED COPPER TUBING TO SHUT OFF VALVE (MANUEL). RECONNECTED BLUE WIRE FROM FAN CUT-OUT SWITCH TO #6 BLACK OF FAN USING 10-22 INSULATED BUTT SPLICE MER #89002249. CRIMPER VP2-1262 C/D/D 0-10-89. RELANDED BLUE WIRE #5 OF CUT-OUT SWITCH TO POINT 5 ON RELAY PER BLOCK 27 SPECIAL INSTRUCTION GIVEN BY TIM STEELE TO PUT DEFECTIVE SWITCH OUT OF SERVICE ON 11-23-88. THE INFORMATION GIVEN ON 11-23-88 WAS REVERSED ON 2-11-89 TO PUT NEW SWITCH BACK IN ORIGINAL CONFIGURATION. OPENED MANUAL ON 2-8 & 2-11-89

HEATED FLARE TO TUBING ADAPTER AND REMOVED OLD TUBING. SOLDERED FLARING ADAPTER TO TUBING ON NEW SWITCH USING BAG-1 #7335 1/16" BRAZING ROD. MAINTAINED ZONE IV HOUSEKEEPING.

CHECKED DEWPOINT ON 1-2403-G4-001-K01, IT WAS 43.9F MAINTAINED ZONE IV HOUSEKEEPING. DEWMEETER VP 1114 CDD 5-2-89 DEWPOINT ON 1-2403-G4-001-K02 WAS NOT PERFORMED. DRYER STILL INDICATED AIR TEMP HIGH ALARM.

THIS MWO WILL BE CLOSED SINCE BOTH DRYERS ARE REFERENCED AND TO AVOID FURTHER CONUSION INVOLVING DOCUMENTATION. NEW MWO 18901006 HAS BEEN ISSUED.

OBTAINED PERMISSION TO RECHECK LIFTED LEAD SHEET & WIRING ON AIR DRYER 1-2403-G4-001-K02 ALL WIRING INTACT & PER LIFTED LEAD SHEET (11-17-88). CLEARANCE R FULHAM MAINTAINED ZONE IV CLEANLINESS.

12403G4001K02 18009080 MDRW MWO F 03/06/89 03/01/89 12/20/88

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
VISUALLY INSPECTED GOVERNOR TO ENSURE KNOB SETTING WERE SECURED IN POSITION WITH TORQUE SEAL. CHECKED GOVERNOR LEAKAGE FOR LOOSE PARTS & NO FOUND NONE. LUBRICATED CROSS SHAFT DILUTE BEARING OILS. LUBRICATE D FUEL RACK BUSHING AND BUSHING SEALS. LUBRICATE USED ABOVE MOBIL GARD #152 MER 07-10707. MAINTAINED ZONE IV HOUSEKEEPING. JRH 1/18/89

VISUALLY CHECK FOR EXTENSION AND RETURN OF CYLINDER. VISUALLY CHECK SHAFT (FUEL PUMP) FOR BINDING AND STICKING. INSPECTED ALL CONNECTIONS (MECHANICAL) AND TIGHTENED AS NECESSARY. JRH 1/18/89

PH 11  
CLEANED CONDENSING UNIT 1-2403-G4001-K01 AND 1-2403-G4-001-K02. MEASURE DEW POINT ON 1-2403-G4001-K01. DN POINT READING OF +27.3 F. COULD NOT PERFORM DEW POINT READING ON 1-2403-G4-0

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
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81&82 BECAUSE OF HOLD TAGS. INSPECTED THE TEMPERATURE SENSITIVE ON THE HEXAGONAL BODY OF THE DIODES, LOCATED IN THE ENERGY GENERATOR PANEL. TEMPERATURE SENSITIVE OR NO CHANGE IN COLOR. DEH 1/20/89. DIGITAL HUMIDITY ANALYZER WAS USED FOR DEW POINT. VP-1114 CAL DUE DATE 5/2/89 DEH 1/26/89

MAINTAIN ZONE IV CLEANLINESS. DEH 1/20/89

ALL ELECT WORK FOR 1/20/89 APPROVED. 4 MANAGERS. CJA 1/20/89

COULD NOT PERFORM STEPS THAT SAY TO START FAN MOTOR. AND ALL 50 HEADS DEW POINT ON 1-2403-G4-001-002. THESE TWO STEPS WILL BE PERFORMED UNDER MWO 18901008 ALSO TO CORRECT A PROBLEM WITH THE DRYER AND THEN START THE FAN MOTOR AND TAKE MAINTAIN ZONE IV HOUSEKEEPING. DEH 3/1/89

12403G4001K02	1890096	MEM	MWO	F	03/21/89	03/16/89	02/23/89
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WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
PERFORMED CHECKLIST 05C100166 ON H&PL TAG NUMBERS 1-2403-G4-001-K01 AND K02. THE FOURTH STEP CALLS FOR DEWPOINT TEMPS TO BE RECORDED IN BLC 27 AND THEY ARE AS FOLLOWS: (1-2403-G4-001-K01) IS 22.6 DEG F) AND (1-2403-G4-001-K02) IS 20.1 DEG F). THE MATE THAT WAS USED CAME FROM IAC DEPARTMENT. ITS MATE NUMBER IS VP-1114 CAL DUE DATE 5-2-89 NO OTHER WORK WAS PERFORMED. MAINTAINED ZONE IV CLEANLINESS.

12403G4001K02	18901008	ELOP	MWO	F	03/17/89	03/03/89	02/24/89
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WORK REQUESTED  
MWO 18902991 WAS WRITTEN TO CORRECT PROBLEMS ON DRYERS 1-2403-G4-001-K01 & K02. DRYER #1 HAS BEEN REMOVED, HOWEVER DRYER #2 STILL HAS THE HIGH TEMPERATURE ALARM AND FROTH PRESSURE IS ABOUT 75 PSIG. THIS MWO IS BEING WRITTEN TO CONTINUE TROUBLESHOOTING DRYER NO ONE.

WORK PERFORMED  
COMPRESSOR WOULD NOT COME ON AUTOMATICALLY. HAD TO MANUALLY ENGAGE CONTACTOR BUT COMPRESSOR OR FAN SEEMED TO BE IN A BIND. TOOK DEW POINT READINGS AT AIR TANK. READING WAS 78. MAINTAINED ZONE IV CLEANLINESS. COMPRESSOR OR FAN ARE BINDING NEED VENDOR TO HELP CHECK OUT. THE TEMP ALARM CAN NOT BE CLEARED. NEED VENDOR TO HELP WITH TEMP PROBLEM. DISCHARGED ALL FROTH FROM UNIT. PULLED VACUUM ON UNIT & RECHARGED WITH APPROX 6 LBS R-12. DEWPOINT WILL HAVE TO BE TAKEN AFTER AIR RECEIVER TANK HAS BEEN PURGED OF AIR THAT IS IN IT NOW. MAINTAINED ZONE IV HOUSEKEEPING.

12403G4001K02	18901962	ICOP	MWO	F	07/07/89	06/26/89	05/06/89
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WORK REQUESTED  
AIR DRYER IS CYCLING ON AND OFF. IT ALSO HAS A HIGH TEMPERATURE INDICATION. THE COMPRESSOR MAKES AN UNUSUAL NOISE WHEN RUNNING.

REPORT NO. #1  
REPORT NAME: MWO-004

GEV42351 A DISK VERSION - V.E.C.P.  
NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
WORK ORDERS BY TAG NO

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
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DC/A AIR DRYER #2

WORK PERFORMED  
INVESTIGATED PROBLEM WITH DRYER. FOUND CONDENSER FAN MOTOR BEARINGS LOCKED. RAN CAPACITOR BURNT UP, CONTACTS IN START RELAY BURNT, 1/4" FLARE MIT TO CAP TUBE CONNECTION ON FAN PRESSURE CONTROL BROKEN. THESE PARTS NEED TO BE REPLACED OR REPAIRED AS NECESSARY. MAINTAINED ZONE IV HOUSEKEEPING. JWB 5/17/89

REPLACED CONDENSER FAN MOTOR. STILL NEED CAPACITOR (RUB) MAINTAINED ZONE IV HOUSEKEEPING. JWB 5/31/89

USING MER APPROVED BY D C YOUNG FOR CAPACITOR 05910138 WAREHOUSE STATED THAT TEN CAPACITOR WAS NOT IN THE WAREHOUSE. THEY ALSO POINTED OUT THE DOCUMENT NUMBER LISTED ON THE MER FOR THIS PART IS INCORRECT. WAREHOUSE LISTED THE REQ # IN DESCRIBTION/TAG COLUMN. PART COULD ARRIVE ON DAY SHIFT. 8-15-89 PER WAREHOUSE ATTENDANT. START RELAY REPLACEMENT PART COULD NOT BE LOCATED IN THE WAREHOUSE INVENTORY VENDOR MANUAL LISTS PART NUMBER 5945 650 9. THE ACTUAL NUMBERS LISTED ON EXISTING START RELAY ARE RVA4RSC; RVA109; 1-253-012. MAINTAINED ZONE IV HOUSEKEEPING. CWB 6-15-89

OBTAINED START RELAY (MER 09-0226) AND RUM CAPACITOR (MER 09-0225) FROM N.O. WAREHOUSE. LIFTED LEADS FROM EXISTING RELAY AND RECORDED ON DATA SHEET OF PROCEDURE 20429-C. REWELDED LEADS ON NEW RELAY AND RUM CAPACITOR. MAINTAINED ZONE IV HOUSEKEEPING. INSTALLED FAN PRESSURE CONTROL SWITCH & STARTED UNIT. FOUND UNIT UNDERCHARGED. TURNED UNIT OFF UNTIL IT CAN BE RECHARGED. MAINTAINED ZONE IV HOUSEKEEPING. RECHARGED UNIT WITH 6 00-12 AFTER PULLING VACUUM FOR APPROX. 45 MIN. STARTED UNIT & PRESSURES & TEMP CHECKED OK, HIGH TEMP ALARM LIGHT WENT OFF AFTER APPROX. 1 1/2 HR.

BLOCK 32 CONT:  
MAINT. VERIFY OIL AND MOISTURE CONTENT AT SAT LEVEL ON DRYER OUTLET. TAKE AMP READINGS ON COMP AND FAN MTR TO VERIFY CURRENT DRAW SAT.

12403G4001K02	18902108	MEOP	MWO	F	07/15/89	07/05/89	05/23/89
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WORK REQUESTED  
DEWPOINT TAKEN PER MWO 18901066 FOR AIR DRYER NO 2 ON TRAIN A WAS OUTSIDE ACCEPTABLE LIMITS 32 DEG F TO 50 DEG F. ACTUAL READING 75 DEG F.

WORK PERFORMED  
RECEIVED NEW AIR DRYER FROM NO WAREHOUSE (MER 09-008570) AND STORED IN IN PROCESS TAG IN MAINT. SHOP. RDT 7/2/89. REMOVED OLD AIR DRYER FROM DC/A BUILDING AND INSTALLED NEW AIR DRYER AND ASSOCIATED PIPING. REPLACED OLD FLEXITALLIC GASKETS WITH NEW GASKETS (MER 09008570) AND LUBRICATED FLANGE BOLTS WITH N-5000 THREAD LUBRICANT. TORQUED INLET OUTLET FLANGE TO FINAL PASS 188 FT LBS VP-3-2275 TO 07/21/89. INLET CASSETTE EDG TO BE INSTALLED AND TORQUED. OLD AIR DRYER WAS TAKEN TO SHOP WITH IN PROCESS TAG ATTACHED. RDT 7/3/89. INSTALLED INLET FLEXIBLE GASKET AND TORQUED TO FINAL PASS OF 105 FT LBS. REMOVE CABLE INW11215A FROM 1-2403-G4-001-K02 CONTACTOR. REMOVE FLEX AND GROUND STRAP.

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WORK ORDERS BY TAG NO

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12483G4001K02	18902453	ICOP	MWO	F	07/02/89	00/00/80	06/09/89				
<p>AND GROUND LEADS. OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEW POINT ON AIR DRYER K02. IT WAS +48 DEG F. MATE USED VP-27 CAL DUE 9-2-89. CHECKED FOR AIR LEAKS AND FOUND NONE. MAINTAINED ZONE IV HOUSEKEEPING.</p>											
<p>WORK REQUESTED PERFORM FOLLOWING PH</p>											
<p>WORK PERFORMED OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CHECKED DEW POINT OF AIR START DRYER 12483G4001K01 IT WAS + 98 DEGREES F. COULD NOT CHECKED INW POINT ON 12483G4001K02. IT WAS TAGED OUT UNDER CLEARANCE 1-89-10093. MAINTAINED ZONE IV HOUSEKEEPING. D.J. 6-21-89 MATE USED VP 2722 CAL DUE 9-2-89 N.J. 6/21/89 PGI 2 HOURS PERFORMED APPLICABLE STEPS OF PH ON 12483G4001K01 AND K02. DEWPOINT SHOULD BE TAKEN AT A LATER DATE ON 12483G4001K02 BECAUSE REFRIG UNIT WAS BEING REPAIRED AT THIS TIME. MAINTAINED ZONE IV HOUSEKEEPING. OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. TALKED WITH KEM STOKES AND HE SAID THE DRYER NEEDS TO BE REPLACED. DRYER 12483G4001K02 THIS WORK WILL BE PERFORMED UNDER NO 18902188. WHEN WORK IS COMPLETED, MWO 18902188 WILL ALSO CHECK DEWPOINT ON THE DRYER.</p>											
12483G4001K02	18902798	ICPH	MWO	F	08/04/89	07/30/89	06/29/89				
<p>WORK REQUESTED PERFORM FOLLOWING PH</p>											
<p>WORK PERFORMED PERFORMED P.M. ON 12483G4001K01 &amp; 12483G4001K02 PER CHECKLIST SCL00166 DEWPOINT MEASUREMENTS WERE + 43 DEGREES F ON DRYER 1 2483G4001K01 AND + 39 DEGREES F ON 12483G4001K02. MAINTAINED ZONE IV CLEANLINESS. MATE USED CP2722 DUE 9-2-89. VERIFIED ZONE IV CLEANLINESS WAS MAINTAINED RAH 7-30-89.</p>											
12483G4001K02	18903214	ICPH	MWO	F	08/29/89	08/24/89	07/27/89				
<p>WORK REQUESTED PERFORM FOLLOWING PH</p>											
<p>WORK PERFORMED PERFORMED THE WORK SPECIFIED PER SCL00166. MAINTAINED ZONE IV CLEANLINESS. TEST EQUIPMENT: VP-2721, C/D 9/2/89. STEP 4: (RECORD DEW POINT) 12483G4001K01 = 37 DEGREES F 12483G4001K02 = 35 DEGREES F</p>											
12483G4001K02	18903652	ELPM	MWO	F	10/03/89	09/27/89	08/25/89				

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REPORT NO. 01  
REPORT NAME: MWO-004

GEV42351 A DISK VERSION - V.E.G.P.  
NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
WORK ORDERS BY TAG NO

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TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12483G4001K02	18904442	ICPH	MWO	F	10/24/89	10/20/89	09/21/89				
<p>WORK REQUESTED PERFORM FOLLOWING PH</p>											
<p>WORK PERFORMED OBTAINED PERMISSION FROM UNIT ONE S.S. TO BEGIN WORK. CHECKED DEW POINT ON AIR DRYER 12483G4001K01, IT WAS 445 DEGREES F. CHECKED DEW POINT ON AIR DRYER 12483G4001K02, IT WAS + 45 DEGREES F. MATE USED VP-2466 CAL DUE 3/7/90. MAINTAINED ZONE IV HOUSEKEEPING. PH NOT FINISHED BY LATE DATE D C #1-89-1415 WRITTEN. PERFORMED CHECKLIST SCL00166 FOR AIR DRYER 1-2405-G4-001-K01, K02. MAINTAINED ZONE IV CLEANLINESS.</p>											
<p>WORK REQUESTED PERFORM FOLLOWING PH</p>											
<p>WORK PERFORMED MEASURED DEW POINT OF 12483G4001K01 AND 12483G4001K02 MATE USED VP-2466. CLEANED CONDENSING UNITS PER PH CHECKLIST. 12483G4001K01 DEWPOINT = 38 DEGREES F. 12483G4001K02 DEWPOINT = 45 DEGREES F. MAINTAINED ZONE IV CLEANLINESS. VERIFIED ZONE IV CLEANLINESS WAS MAINTAINED RAH 10-20-89.</p>											
12483G4001K02	18905007	ICPH	MWO	F	11/24/89	11/20/89	10/26/89				
<p>WORK REQUESTED PERFORM FOLLOWING PH</p>											
<p>WORK PERFORMED PERFORMED PH ON 12483G4001K01 FOUND DEWPOINT AT 40 DEGREES F. PERFORMED PH ON 12483G4001K02 FOUND DEWPOINT AT 47 DEGREES F. USED VP-2466 DUE 3-7-90. ALNOR MANUAL VM-1149 WAS USED FOR CONVERSION CHART. MAINTAINED ZONE IV CLEANLINESS.</p>											
12483G4001K02	18906199	ICPH	MWO	F	01/08/90	12/26/89	12/01/89				
<p>WORK REQUESTED PERFORM FOLLOWING PH</p>											
<p>WORK PERFORMED CLEANED CONDENSING UNIT FOR 12483G4001K01 &amp; K02 AND MEASURED DEWPOINTS PER SCL00166 USING VP-2466 CAL DUE 3/7/90. USING DEW POINT CONVERSION CHART, FIGURE 8 IN VM1149. 12483G4001K01 &amp; K02'S DEW POINTS CONDENSATED FOR 250 PSI. ARE 40 DEGREES F AND 37 DEGREES F RESPECTIVELY. MAINTAINED ZONE IV CLEANLINESS.</p>											
12483G4001K02	18906445	ICPH	MWO	F	01/23/90	01/18/90	12/18/89				

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

CLEANED CONDENSING UNITS AND PERFORMED DEW PT MEASUREMENTS ON TRAIN A DIESEL GEN. AIR START DRYERS. 12403G4001K01 & 12403G4001K02 PER MAINTENANCE REQUIREMENTS & SPECIAL INSTRUCT. AS LISTED ON THE EQUIP. MAINT. CHECKLIST. FINAL READINGS FOR BOTH UNITS WERE 44 DEGREES F. DETERMINED FROM THE DEW PT CONVERSION CHART IN VM-1149. USED TEST EQUIP VP-2466 C.D.D. 3-7-90 VP-2710 CDD 3-6-90. MAINTAINED ZONE IV CLEANLINESS.

12403G4001K02 19000465 ICPM MWO F 02/14/90 02/11/90 4/26/90

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

DEW POINT IS 37 DEGREES F USED VP-2466 MAINTAINED ZONE IV CLEANLINESS. NOTE: THE DEW POINT WAS 37 DEGREES F FOR BOTH AIR DRYERS.

12403G4001K02 19000899 ICPM MWO F 03/16/90 03/09/90 02/23/90

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

PERFORMED PM USING CHECKLIST SCL166. MAINTAINED ZONE IV CLEANLINESS. TW 3-9-90 AS LEFT FINDINGS WERE FOUND OUT OF TOLERANCES. DEW POINTS WERE FOUND @ 61 DEGREES F & 66 DEGREES F. BOTH AIR DRYERS WERE RETESTED ON 3-12-90 AND BOTH WERE FOUND TO BE IN TOLERANCE. #1 AIR DRYER WAS 58 DEGREES F. #2 AIR DRYER WAS 45 DEGREES F TW 3-12-90

12403G4001K02 19001513 ICPM MWO F 04/02/90 03/31/90 03/24/90

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

OBTAINED PERMISSION FROM UNIT ONE SS TO BEGIN WORK. CHECKED THE DEWPOINT ON AIR START AIR DRYER'S 12403G4001K01 AND K02. K01 WAS 80 DEG F AND K02 WAS 80 DEG F. ET WAS WRITTEN BUT UNIT ONE SS JOHN BOWLES SAID PER 00150-C STEP 4.2.1A DC WAS NOT NEEDED BUT A MWO SHOULD BE WRITTEN. A WRT WAS WRITTEN (WRT# 060083). NOTE USED VP-2466 CAL DUE 4-7-90. MAINTAINED ZONE IV HOUSEKEEPING. CLEANED CONDENSING UNITS ON 12403G4001K01 AND K02. MAINTAINED ZONE IV CLEANLINESS.

12403G4001K02 19001651 ICPM MWO F 04/15/90 04/13/90 03/30/90

REPORT NO. 01  
REPORT NAME: MWO-004

GEV42351 A DISK VERSION - V.E.C.P.  
NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
WORK ORDERS BY TAG NO

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TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

WORK REQUESTED

WHILE PERFORMING PM ON DIESEL GEN AIR START AIR DRYERS TRAIN A, FOUND THE DEW POINT TO HIGH. 12403G4001K01 WAS 80 DEGREES F AND K02 WAS 69 DEGREES F. DEW POINT SHOULD BE BETWEEN 37 DEGREES F AND 59 DEGREES F. P.M. MWO#19001513. LOCATION: A TRAIN UNIT ON DIESEL GEN. NR1000003

WORK PERFORMED

PERFORMED DEWPOINT READINGS ON AIR START DRYERS TRAIN A. ANOTHER INDEPENDENT DEWPOINT READING WAS ALSO PERFORMED. THE RESULTS ARE ON THE CONTINUATION SHEET. USED VP-2466. CAL DUE 4-7-90. D B THAMES 4-5-90 12403G4001K01-PRESSURE 1230 PSIG

1800 EST TEMP	INST READING	CONVERSION CHART	DEWPOINT UNDER PRESS
1ST READING 82	.68	+9°F	86°F
2ND READING 82	.59	+8°F	78°F

12403G4001K02 PRESSURE 1237 PSIG	1800 EST TEMP	INST READING	CONVERSION	DEWPOINT UNDER PRESSURE
	1ST READING 83	.55	-2°F	67°F
	2ND READING 83.5	.58	+6°F	77°F

OBTAINED PERMISSION FROM UNIT ONE S.S. TO BEGIN WORK. 4-5-90 20:50 EST. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01 IT WAS 83°F. CHECKED THE DEW POINT ON AIR DRYER 1-2402-G4-001-K01 IT WAS 83°F. NOTE USED ALMOR VP-2466 CAL DUE 4-7-90.

80:05 CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01, IT WAS 83°F. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K02 IT WAS 85°F. NOTE USED ALMOR VP-2466 CAL DUE 4-7-90. 04:25 CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01, IT WAS 85°F. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K02, IT WAS 85°F. NOTE USED ALMOR VP-2466 CAL DUE 4-7-90. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01, IT WAS 80 DEGREES F. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K02, IT WAS 80 DEGREES F. NOTE USED ALMOR VP-2466. CAL DUE 4-7-90. MAINTAINED ZONE IV CLEANLINESS. DEBRIS THAMES 4-6-90.

1530 EST CHECKED THE DEWPOINT ON AIR DRYER 1-2403-G4-001-K01. IT WAS 80 DEG F. THE RECEIVER ON 1-2403-G4-001-K02 HAD BEEN FILLED BY MECHANICS TO INSPECT VESSEL. NO DEWPOINT COULD BE TAKEN.

1700 EST: CHECKED THE DEWPOINT ON AIR DRYER 1-2403-G4-001-K01. IT WAS 75 DEG F USING EG & G VP-1119 CAL DUE 8-3-90. MAINTAINED ZONE IV CLEANLINESS.

CHECKED DEWPOINTS ON NIGHT SHIFT WITH 3 DIFFERENT UNITS: A TRM. 8-3-1. 83 AT 73 DEG = 7 DEG F = 75 DEG F DP WITH ALMOR 7200 VP-2466 CAL DUE 4-7-90  
2. 42 AT 75 DEG = -42 DEG F = 15 DEG F DP WITH ALMOR 7000 GE  
3. 07 = 75 DEG F DP WITH EG & G VP1119 CAL DUE 8-3-90  
K02: 1. 63 AT 75 DEG F = +9 DEG F = 80 DEG F DP WITH ALMOR 7200 VP-2466 CAL DUE 4-7-90  
2. 47 AT 77 DEG = -27 DEG F = 33 DEG F DP WITH ALMOR 7000 G  
BENTON 4/24/90

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TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
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3. +10 = 78 DEG F WP WITH EG & G VP1114 CAL DUE 8-3-98.  
 MAINTAINED ZONE IV CLEANLINESS. 4-7-98  
 OBTAINED PERMISSION FROM UNIT ONE SS TO BEGIN WORK. CHECKED  
 THE DEWPOINT ON AIR START AIR DRYER'S 1-2403-G4-001-K01 AND  
 K02, USING Z (TMO) EG & G DEW ALLS MODEL 911. VP-1114 CAL DU  
 E 8-3-98 AND FS3529 CAL DUE 10-25-98  
 FIRST READINGS  
 DEWPOINTS TAKEN ON 1-2403-G4-001-K01 1-2403-G4-001-K02  
 SECOND READINGS  
 MAINTAINED ZONE IV HOUSEKEEPING 4-8-98  
 FS3529 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED F  
 OR INFORMATION ONLY. IT HAS NO OFFICIAL SITE CAL. 4-8-98  
 CHECKED DEWPOINT AT DIESEL GEN IA  
 K01 - 41.3 DEG F 3.6 DEG C (38.5 DEG F)  
 K02 - 36.2 DEG F 2.3 DEG C (35.8 DEG F)  
 MAINTAINED ZONE IV CLEANLINESS. 4-11-98  
 AIR DRYERS ARE OPERATING WITHIN ACCEPTABLE LIMITS; MWO TO BE

12403G4001K02	19002157	ICPH	MWO	F	05/16/98	05/14/98	04/25/98
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 1 MO - A TRAIN - D.G. AIR RECEIVER K01, K02 DEW POINT CHECK.

WORK PERFORMED  
 PERFORMED PM CHECKLIST ON AIR START DRYER 12403G4001K01. USED VP-2721  
 CAL DUE 4-10-91. MAINTAINED ZONE "IV" CLEANLINESS. DEWPOINT READING  
 41 DEGREES F.  
 PERFORMED PM CHECKLIST ON AIR START DRYER 12403G4001K02. DEWPOINT REA  
 DING 43 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE "IV  
 " CLEANLINESS.

12403G4001K02	19002193	HEOP	MWO	F	05/10/98	05/09/98	05/09/98
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WORK REQUESTED  
 AIR PRESS IN DRYER BLEEDS OFF AFTER AIR PUMP SHUTS OFF.  
 INVESTIGATE AND REPAIR.  
 AUTO-DRAIN TRAP IS LEAKING BY.  
 LOCATION: U1 - DB 1A AIR COMP #2

WORK PERFORMED  
 REBUILT TRAP MECHANISM PER MANUAL AX44K01-563 STEPS 5.2.5 THRU 5.2.5.1  
 6. MAINTAINED ZONE IV M/K NET 5-9-98  
 FP DATA SHEET LOST NO IMPAIRMENT CREATED BY THIS WORK.

12403G4001K02	19002652	ICPH	MWO	F	06/21/98	06/26/98	05/21/98
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
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AFTER SIGNING DUE FOLLOWED SPECIAL INSTRUCTIONS PER SCL00166. DEW POT  
 NT FOR 12403G4001K01 WAS +12.9 DEGREES F AND 12403G4001K02 WAS 10.6 D  
 EGRES F. TEST WP USED WAS 1/P 1114 DUE DATE 8/3/98. MAINTAINED ZONE IV  
 CLEANLINESS.  
 AFTER SIGNING PACKAGE ON RECHECKED DEWPOINT USING ROOT VALVES 12403K40  
 18 FOR 12403G4001K01 AND FOUND DEWPOINT AT 34.6 DEG F AND 12403K5012 F  
 OR 12403G4001K02 AND FOUND DEWPOINT AT 41.4 DEG F. THESE ROOT VALVES W  
 ERE DETERMINED TO REPRESENT A MORE CONSISTENT MOISTURE CONTENT READINGS  
 MAINTAINED ZONE IV CLEANLINESS. TEST FR USED VP-1114 CAL DUE  
 DATE 8-3-98

12403G4001K02	19003060	ICPH	MWO	F	07/06/98	07/03/98	06/28/98
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 1 MO - A TRM - D G AIR RECEIVERS K01/K02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
 PERFORMED PM CHECKLIST ON 12403G4001K02 AND FOUND DEWPOINT AT 36.3 DEG  
 REES F. PERFORMED PM CHECKLIST ON 12403G4001K01 AND FOUND DEW POINT A  
 T 47.5 DEGREES F. USED EG & G MODEL 911 DEWALL VP-1114 CAL DUE 8-3-98  
 FOR READINGS. MAINTAINED ZONE IV CLEANLINESS.

12403G4001K02	19003369	ICPH	MWO	F	08/13/98	08/10/98	07/19/98
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 1 MO - A TRM - D G AIR RECEIVERS K01/K02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
 PERFORMED PM'S ON "A" TRAIN AIR RECEIVERS 501 & 502 PER SCL00166. CLE  
 ANED OUT CONDENSING UNITS AND CHECKED DEWPOINT. 501-DEWPOINT IS 43.1  
 DEGREES F; 502-DEWPOINT IS 35.4 DEGREES VP 1114 C/D 9-3-98 ZONE IV HOU  
 SKEEPING MAINTAINED.

12403G4001K02	19003699	ICPH	MWO	F	08/31/98	08/26/98	08/15/98
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 1 MO - A TRM - D G AIR RECEIVERS K01/K02 DEWPOINT CHECK  
 CHECKLIST: SCL00166 R2  
 REF PWD: 19003060  
 PROCEDURE: N/A

REF DWG: 1X400170-1 1, 1A-494 L,  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
 PERFORMED PM USING CHECKLIST 166. THE READINGS WERE SATISFACTORY.  
 K01= 35.7 DEGREES F, K02=37.8 DEGREES F. MAINTAINED ZONE IV  
 CLEANLINESS. 10-8-25-98

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TAG NUMBER	MWO NUMBER	DISC	RESP	FORM	STATUS	CLOSED	ACT	END	LOADED	REV	MWO
12403G4001K02	19005957	ICPH	MWO	F	09/30/90	09/27/90	09/15/90				

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 MO - A TRN - D C AIR RECEIVERS K01/K02 DEWPOINT CHECK  
CHECKLIST: SCL00106 R2  
REF PMWO: 19003060  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VN-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED SCL00106 FOR 12403G4001K01 DEW POINT WAS 41.5 F AND FOR 12403G4001K02 DEW POINT WAS 36.3 F. USED EG & C MODEL L 011 VP-12% C/D 8-17-91. MAINTAINED ZONE IV CLEANLINESS.

12403G4001K02	19004162	ICPH	MWO	F	10/27/90	10/22/90	10/11/90				
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WORK REQUESTED  
PERFORM FOLLOWING P M  
1 MO - A TRN - D C AIR RECEIVERS K01/K02 DEWPOINT CHECK  
CHECKLIST: SCL00106 R2  
REF PMWO: 19003060  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VN-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED CHECKLIST PER MWO. DEW POINTS ARE AS FOLLOWS 12403G4001K01 0 P 37.7, 12403G4001K02 0 P 33.1. HAIR VP12% CAL DUE 8-17-90. READINGS ARE ACCEPTABLE. MAINTAINED ZONE IV CLEANLINESS. JSS 10-22-90

12403G4001K02	19004399	ICPH	MWO	F	11/30/90	11/20/90	11/08/90				
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WORK REQUESTED  
PERFORM FOLLOWING P M  
1 MO - A TRN - D C AIR RECEIVERS K01/K02 DEWPOINT CHECK  
CHECKLIST: SCL00106 R2  
REF PMWO: 19004162  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VN-494 L,

WORK PERFORMED  
PERFORMED CHECK OF DC AIR START DRYERS DEWPOINT PER SCL 00106. FOUND 0 EMPPOINT FOR 1240364000 AT 39.9 F WHICH IS WITHIN THE ACCEPTABLE LIMITS OF SCL 00106. FOUND DEWPOINT FOR 1240364001K02 AT 36.9F WHICH IS WITHIN THE ACCEPTABLE LIMITS OF SCL00106. USED VP 12% CAL DUE 8-17-91 FOR 0 EMPPOINT READINGS. MAINTAINED ZONE IV CLEANLINESS. 11-20-90

12403G4001K02	19004666	ICPH	MWO	F	12/28/90	12/21/90	12/06/90				
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TAG NUMBER	MWO NUMBER	DISC	RESP	FORM	STATUS	CLOSED	ACT	END	LOADED	REV	MWO
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WORK REQUESTED  
PERFORM FOLLOWING P M  
1 MO - A TRN - D C AIR RECEIVERS K01/K02 DEWPOINT CHECK  
CHECKLIST: SCL00106 R2  
REF PMWO: 19003060  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VN-494 L,

WORK PERFORMED  
PERFORMED SCL-106 FOR BOTH D.C. AIR START AIR DRYER 1 & 2 WITH THE FOLLOWING RESULTS: 01 = 38.5 DEGREES F. ALSO TURNED OFF FAN MOTOR FOR EACH DRYER TO BLOW OUT CONDENSER. FAN HOODS WERE TURNED BACK ON AFTER CONDENSERS WERE BLOWN DOWN. MAINTAINED ZONE IV CLEANLINESS.

12403G4002K01	18000901	MEPH	MWO	F	06/06/89	01/12/89	12/13/88				
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WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
VISUALLY INSPECTED GOVERNOR KNOB SETTING SECURED BY TORQUE SEAL. GOVERNOR LINKAGE & ASSEMBLY OK. LUBRICATED FUEL PUMP BUSHINGS NO BINDING OR STICKING. FUEL OIL FILTER OK. AUTO SHUTDOWN CYLINDER EXTENDED & RETRACTED OK. MAINTAINED ZONE IV CLEANLINESS. CLEANED CONDENSERS 1 AND 2 TOOK DEW POINT USING VP11% CAL DUE 4-29-89. MEASURED DEWPOINT ON CONDENSER 01 WAS 20.7 DEGREES F AND ON CONDENSER 02 WAS 27.3 DEGREES F. MAINTAINED ZONE IV CLEANLINESS.

12403G4002K01	18900022	ICOP	MWO	F	03/06/89	02/24/89	02/14/89				
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WORK REQUESTED  
DUE POINT TAKEN PER MWO 18000901 WAS TAKEN INCORRECTLY AS EVIDENCED BY DEW POINTS OF 28.7 DEGREES F AND 27.3 DEGREES F. DEW POINT FOR THESE DRYERS CANNOT BE LOWER THAN 32 DEGREES F.

WORK PERFORMED  
DEWPOINTS TAKEN PER MWO 18900022 LISTED IN BLOCK 5, USING EG&C MODEL 911 DEW-01 VP11% CAL DUE 5-2-89. DEW POINT ANALYZER HAMMILL VN-0599 OPERATORS USUAL SECTION. 3.2.1 USED  
1-2403-G4-001-K01 19.0 DEGREES F. DEWPOINT HWJ 2-24-89  
1-2403-G4-002-K02 19.1 DEGREES F. DEWPOINT HWJ 2-24-89  
MAINTAINED ZONE IV CLEANLINESS. JSS 2-21-89

12403G4002K01	18900900	MEPH	MWO	F	03/04/89	03/01/89	02/23/89				
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WORK REQUESTED  
PERFORM FOLLOWING PM

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TAC NUMBER MWO NUMBER DISC RESP FOMR STATUS CLOSED ACT ENO LOADED MEH MWO

WORK PERFORMED  
DEW POINT ON 1-2403-G4-002-K02 IS 38.8  
DEW POINT ON 1-2403G4002K01 IS 45.6 MATE USED VP 1114 DUE 5-2-89.  
PERFORMED MAINT CHECKLIST ON EACH UNIT. MAINTAINED ZONE IV HOUSEKEEP-  
ING.  
12403G4002K01 18901066 ICOP MWO F 06/02/89 05/30/89 03/01/89

WORK REQUESTED  
DEW POINT TAKEN PER MWO 18900981 AND 18900822 WAS INCORRECT. OPERATI  
G INSTRUCTIONS WERE FOLLOWED FOR EG & G DEWPOINT ANALYZER, HOWEVER RES  
ULTS WERE STILL ACCEPTABLE.

WORK PERFORMED  
TOOK DEW POINT MEASUREMENTS USING ALMOR DEWPOINT METER VP-2466 CAL DUE  
4-4-89. 1-2403-G4-K01 WAS -7 DEGREES F. 1-2403-G4-002-K02 WAS -12  
DEGREES F. PROCEDURE 20429-C WAS NOT USED. MAINTAINED ZONE IV CLEANLW  
ESS. DN 3/8/89  
OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CHECKED DEW POI  
NT ON AIR DRYER 1-2403-G4-002-K01, IT WAS -15 DEGREES F. CHECKED DEW P  
OINT ON AIR DRYER 1-2403-G4-002-K02, IT WAS -27 DEGREES F. MATE USED V  
P-2506 CAL DUE 4-4-89. DID NOT USE PROCEDURE 20429-C. LEADS DO NOT  
HAVE TO BE LIFTED. MAINTAINED ZONE IV HOUSEKEEPING. DJL 3/22  
OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CNEC  
KED THE DEW POINT ON AIR DRYER 1-2403-G4-002-K01, USING  
VENDOR MANUAL 1149 FIG 8 ON PAGE 83, THE DEW POINT AT ELEVAT  
ED PRESSURE WAS 45 DEGREES F. MATE USED VP-2722 CAL DUE  
7-2-89. MAINTAINED ZONE IV HOUSEKEEPING. W.J.L 5-17-89  
OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CHECK  
ED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01, USING  
VENDOR MANUAL 1149 THE DEW POINT WAS 39 DEGREES F. CHECKED  
THE DEW POINT ON AIR DRYER 1-2403-G4-001-K02 AND IT WAS 70  
DEGREES F. W.J.L 5-18-89  
TALKED WITH KEN SIDES ABOUT THE HIGH DEW POINT AIR DRYER  
1-2403-G4-001-K02. HE SAID MWO 0 18902100 WAS WRITTEN TO  
CORRECT PROBLEM. W.J.L 5/30/89

12403G4002K01 18902459 ELOP MWO F 07/04/89 07/02/89 06/09/89

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CHECKED DEW PO  
INT ON START AIR DRYER 12403G4002K01. IT WAS +58 DEGREES F.  
CHECKED DEW POINT ON START AIR DRYER 12403G4002K02. IT WAS + 45 DEGREE  
S F. MATE USED VP-2722 CAL DUE 9-2-89. MAINTAINED 02WE IV HOUSEKEEPING  
DJL 6/21/89 2 HANDBOOKS  
CLEAN CONDENSING UNIT 1-2403-G4-002K01 AND 1-2403G4002K02. MAINTAIN  
ZONE IV HOUSEKEEPING. DEN 7-2-89

12403G4002K01 18902800 ICOP OPS F 08/01/89 07/28/89 06/29/89

TAC NUMBER MWO NUMBER DISC RESP FOMR STATUS CLOSED ACT ENO LOADED MEH MWO

WORK REQUESTED  
PERFORM FOLLOWING PH  
\*\*\*DUPLICATED PER J R PHELPS 7/27/89\*\*\*

WORK PERFORMED  
PERFORMED THE PREVENTATIVE MAINTAINENCE SPECIFIED PER SCL00166 CLASS  
C. MAINTAINED ZONE IV CLEANLINESS. DEW POINTS AT ELEVATED PRESSURE:  
12403G4002K01 = 47 DEGREES F.  
12403G4002K02 = 37 DEGREES F.  
TEST EQUIPMENT : VP-2722 C/D 9/2/89.

12403G4002K01 18903217 ICOP MWO F 08/29/89 08/16/89 01/27/89

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
AUTHORIZED TO WORK ON 12403G4002K01. VACUUMED COILS AND INTERNALS OF  
CONDENSOR UNIT 1-24-S-G4-002-K01. MEASURED DEWPOINT ON 1-2403-G4-002-K  
01 OF -20 DEG F.  
AUTHORIZED TO COMPLETE WORK PACKAGE. VACUUMED COILS AND INTERNALS OF  
CONDENSOR UNIT, 1-2403-G4-002-K02. MEASURED DEWPOINT ON 1-2403-G4-002-  
K02 AT -22 DEG F. MAINTAINED CLASS 0 CLEANLINESS.  
CONVERTED READINGS FROM ALMOR TO DRYATING PRESSURE PER CHART IN ALMOR  
MANUAL, VN-1149 AS FOLLOWS:  
UNIT MEASURED DEWPOINT DEW POINT AT OPERATING  
1-2403-G4-002-K01 -20 DEGREES F 30 DEGREES F  
1-2403-G4-002-K02 -22 DEGREES F 41 DEGREES F  
OPERATING PRESSURE ON BOTH UNITS WAS 200 PSIG.

12403G4002K01 18903314 ELOP MWO F 08/26/89 08/22/89 08/03/89

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEWPOINT  
ON AIR DRYER 12403G4002K01 AND IT WAS +45 DEG F. CHECKED DEWPOINT ON A  
IR DRYER 12403G4002K02 AND IT WAS +41 DEG F. MATE USED VP-2721 CAL DUE  
9-2-89. MAINTAINED ZONE IV HOUSEKEEPING.  
CLEANED CONDENSERS ON 1-2403-G4-002-K01, K02 AND RESTARTED FANS. MAINT  
AINED ZONE IV CLEANLINESS.

12403G4002K01 18903656 ELOP MWO F 08/03/89 09/27/89 08/25/89

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEW POINT

Exhibit 1, page 1 of 1

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12403G4002K01	1898444	ICPM	MWO	F			10/24/89	10/20/89	09/21/89		

ON AIR DRYER 12403G4002K01, IT WAS +47 DEGREES F. CHECKED DEW POINT ON AIR DRYER 12403G4002K02, IT WAS +45 DEGREES F. MATE USED VP-2466 CAL DUE 3/7/90. MAINTAINED ZONE IV HOUSEKEEPING. PERFORMED CHECKLIST SCL00166 FOR AIR DRYERS 1-2403-G4-002-K01, K02, MAINTAINED ZONE IV CLEANLINESS.

WORK REQUESTED  
 PERFORM FOLLOWING P M

WORK PERFORMED  
 MEASURED DEW POINT OF 12403G4002K01 AND 12403G4002K01. MATE USED VP-2466 CLEANED CONDENSING UNITS PER PM CHECKLIST 12403G4002K01 DEW POINT = 41 DEGREES F  
 12403G4002K02 DEW POINT = 44 DEGREES F  
 MAINTAINED ZONE IV CLEANLINESS  
 VERIFIED ZONE IV CLEANLINESS WAS MAINTAINED

12403G4002K01	1890509	ICPM	MWO	F			11/17/89	11/13/89	10/26/89		
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WORK REQUESTED  
 PERFORM FOLLOWING P M

WORK PERFORMED  
 PERFORMED PM CHECKLIST ON 12403G4002K01 AND FOUND DEWPOINT READING AT -5 DEGREES F USING VP-2466 DUE CAL 3-7-90. PERFORMED PM CHECKLIST ON 12403G4002K02 AND FOUND DEWPOINT READING AT -10 DEGREES F USING VP-2466 DUE CAL 3-7-90. MAINTAINED ZONE IV CLEANLINESS. USING CORRECTION CHART IN VM-1109 TUE -5 DEGREES F READING AT 82 PSIG CONVERTS TO 32 DEGREES F

12403G4002K01	18996200	ICPM	MWO	F			01/08/90	12/18/89	12/01/89		
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WORK REQUESTED  
 PERFORM FOLLOWING P M

WORK PERFORMED  
 PERFORMED PM CHECKLIST ON 12403G4002 K01 AND 12403G4-002 K02 AND RECORDED DEWPOINT READINGS AS FOLLOWS  
 12403-G4002K01 37 DEGREES F. REF VM-1109  
 12403-G4002K02 33 DEGREES F. (MATE USED. VP 2466 CAL DUE 3-7-90)  
 MAINTAINED ZONE 4 CLEANLINESS.

12403G4002K01	1898444	ICPM	MWO	F			01/24/90	01/08/90	12/18/89		
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WORK REQUESTED  
 PERFORM FOLLOWING P M

WORK PERFORMED

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12403G4002K01	19000666	ICPM	MWO	F			02/14/90	02/11/90	01/26/90		

PERFORMED CHECKLIST SCL00166 ON 12403G4002K01 AND K02. DEWPOINT OF K01 WAS 32 DEGREES F  
 DEW POINT K02 WAS 32 DEGREES F  
 MAINTAINED ZONE 4 CLEANLINESS.

WORK REQUESTED  
 PERFORM FOLLOWING P M

WORK PERFORMED  
 DEW POINT IS 37 DEGREES F USED VP-2466 MAINTAINED ZONE IV CLEANLINESS  
 NOTE: DEW POINT WAS 37 DEGREES F FOR BOTH AIR DRYERS.

12403G4002K01	19000900	ICPM	MWO	F			03/15/90	03/09/90	02/23/90		
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WORK REQUESTED  
 PERFORM FOLLOWING P M

WORK PERFORMED  
 PERFORMED PM USING CHECKLIST SCL166. COULD NOT OBTAIN READINGS ON TRAIN B DRYER 2 DUE TO EQUIPMENT CLEARANCE. MAINTAINED ZONE IV CLEANLINESS. LM 3-9-90  
 DEW POINT TAKEN WAS 45 DEGREES F  
 AIR DRYER 02 WAS TESTED ON 3-12-90. WAS FOUND TO BE IN TOLERANCE.

12403G4002K01	19001514	ICPM	MWO	F			04/01/90	03/29/90	03/24/90		
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WORK REQUESTED  
 PERFORM FOLLOWING P M

WORK PERFORMED  
 MEASURED DEW POINT OF COMP#2 AT 34 DEGREES. MEASURED DEW POINT OF COMP #1 AT 37 DEGREES. PERFORMED ALL OF CHECKLIST SCL-00166. USED VP-2466 DUE 4-7-90.

12403G4002K01	19001770	ICPM	MWO	F			04/16/90	04/13/90	04/05/90		
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WORK REQUESTED  
 PERFORM SCL00166

WORK PERFORMED  
 OBTAINED PERMISSION FROM UNIT ONE S.S. TO BEGIN WORK. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-002-K01, IT WAS 80° F. CHECKED TEM DEW POINT ON AIR DRYER 1-2403-G4-002-K02, IT WAS 82° F. MATE USED VP-2466 CAL DUE 4-7-90. D.C. WAS WRITTEN D.C. 0190-104. A WRT WAS WRITTEN WRT# 00005. MAINTAINED ZONE IV HOUSEKEEPING. DAVE LOHMAN 4-5-90  
 REVERIFIED AIR DRYERS USING 3 DIFFERENT DEVICES.  
 TEM X K01 = (1) 45.0 77° = 45° F. = 85° F. WITH ALMOR 7200 VP2466

Exhibit 1, page 1 of 1

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12403G4002K01	19001776	VOID	MWO	F	04/09/90	00/00/00	04/06/90				

(3) +10.6 - 80) F. DP WITH EC & C VP1114 CAL DUE 8-3-90.  
 K02.  
 (1) 82 @ 75' = +7°F. = 75' F DP MINT ALMR 7200 VP2466  
 CAL DUE 6-7-90.  
 (2) 42 @ 78' = -39' F. = 18' F. DP WITH ALMR 7000 GE  
 PENIAL 48825901  
 (3) +12.1 = 82' F. DP WITH EC & C VP1114 CAL DUE 8-3-90.  
 MAINTAINED ZONE 4 CLEANLINESS. DLJ 4-7-90  
 CHECKED DEW POINT AT DIESEL GEN 18.  
 K02 41.4' F. 1.4°C (34.5°F)  
 K01 42.5' F. 3.4°C (38.1°F)  
 MAINTAINED ZONE IV CLEANLINESS. GBC 4-10-90  
 AIR DRYERS ARE OPERATING WITHIN ACCEPTABLE UNITS.  
 MWO WILL BE CLOSED. GBC 4-13-90  
 OBTAINED PERMISSION FROM UNIT ONE S.S. TO BEGIN WORK.  
 CHECKED DEW POINTS ON AIR DRYERS 1-2403-G4-002-K01 & K02,  
 90 AND P55529 CAL DUE 10-25-90.  
 DEW POINT ON 1-2403-G4-002-K01 1-2403-G4-002-K02  
 VP-1114 44.5' F. 36.6°F  
 P55529 45.89' F (7.7°C) 40.82°F (4.9°C)  
 MAINTAINED ZONE IV HOUSEKEEPING. WJM 4-8-90  
 P55529 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED  
 FOR INFORMATION ONLY. IT HAS NO OFFICIAL SITE CAL.  
 BILLY J MCSWENEY. 4-8-90

Exhibit 1, page 1 of 1

**WORK REQUESTED**  
 WHILE PERFORMING PM ON DIESEL GEN AIR START AIR DRYERS TRAIN B, FOUND  
 THE DEW POINT TO HIGH. 1-2403-G4-002-K01 WAS 84 DEGREES F AND  
 1-2403-G4-002-K02 WAS 83 DEGREES F. DEW POINT SHOULD BE BETWEEN 32  
 DEGREES F AND 50 DEGREES F. P.M. MWO 819001778.  
 LOCATION: UNIT ONE B TRAIN DIESEL

**WORK PERFORMED**  
 \*\*VOID\*\* IBC FOUND INSTRUMENTATION OUT OF CALIBRATION. THE DEW POINT  
 WAS FOUND ACCEPTABLE ON 4/8/90 UNDER MWO 19001770. THE DEW POINT WAS  
 36.6 DEGREES F. PER MIKE DUNGAN, L. JEROME JACKSON 4/9/90

12403G4002K01	19002138	ICPM	MWO	F	05/16/90	05/12/90	04/25/90				
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**WORK REQUESTED**  
 PERFORM FOLLOWING P.M.  
 MONTHLY - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK

**WORK PERFORMED**  
 PERFORMED PM CHECKLIST ON AIR START DRYER #12403G4002K01. DEWPOINT REA  
 DING 43 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE "IV  
 CLEANLINESS.  
 PERFORMED PM CHECKLIST ON AIR START DRYER #12403G4002K02. DEWPOINT RE  
 ADING 43 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE "I  
 V" CLEANLINESS.

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12403G4002K01	19002901	ICPM	MWO	F	07/18/90	06/22/90	06/05/90				

**WORK REQUESTED**  
 PERFORM FOLLOWING P.M.  
 MONTHLY - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT  
 CHECK  
 DUE DATE ADJUSTED PER H.R. VAUGHT.

**WORK PERFORMED**  
 AFTER OBTAINING SS PERMISSION, CLEANED CONDENSING UNIT 12403G4002K02  
 AND MEASURED DEW POINT WITH VP 1114 AT 44.2 DEGREES F. ALSO CLEANED  
 CONDENSING UNIT 12403G4002K01 AND MEASURED DEW POINT WITH VP-144 AT  
 88.7 DEGREES F. DISCUSSED THE READING OF 88.7 DEGREES F WITH MIKE  
 WILKSH AND HE SAID THE MOST PROBABLE CAUSE WAS DUE TO 12403G4002K01  
 NOT RUNNING. MAINTAINED ZONE IV CLEANLINESS. BB 6-22-90

12403G4002K01	19003216	ICPM	MWO	F	07/26/90	07/21/90	07/05/90				
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**WORK REQUESTED**  
 PERFORM FOLLOWING P.M.  
 1 MO - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H.R. VAUGHT.

**WORK PERFORMED**  
 PERFORMED PM CHECKLIST ON 12403G4002K01 AND FOUND DEWPOINT AT 43.9 DEE  
 REES F. PERFORMED PM CHECKLIST ON 12403G4002K02 AND FOUND DEWPOINT AT  
 41.5 DEGREES F. USED DEW-ALL MODEL 911 VP-1114 CAL DUE 8-3-9 FOR MEA  
 SUREMENTS. MAINTAINED ZONE IV CLEANLINESS.

12403G4002K01	19003585	ICPM	MWO	F	08/22/90	08/16/90	08/01/90				
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**WORK REQUESTED**  
 PERFORM FOLLOWING P.M.  
 1 MO - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H.R. VAUGHT.

**WORK PERFORMED**  
 PERFORMED PM ON DG "B" AIR DRYERS USING VP1114 C/D 9-3-90 K01 = 32.7 D  
 EGREES F, K02 = 32.7 DEGREES F PERFORMED CHECKLIST SC100166. ZONE IV  
 HOUSEKEEPING MAINTAINED.

12403G4002K01	19003607	ICPM	MWO	F	09/17/90	09/12/90	08/29/90				
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**WORK REQUESTED**  
 PERFORM FOLLOWING P.M.  
 1 MO - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H.R. VAUGHT.

**WORK PERFORMED**  
 CLEANED CONDENSING UNITS WITH AIR. MAINTAINED ZONE IV CLEANLINESS.

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

MEASURED DEW POINT PER 1240304002K01 WAS 46.6 DEGREES F. MEASURED DEW POINT FOR 1240304002K02 AND 41.5 DEGREES F. COMPLETED CHECKLIST SCL00166 AND RETURNED UNITS TO SERVICE. MAINTAINED ZONE IV CLEANLINESS. VP-1296 DUE 8-17-91.

1240304002K01 1988453 ICPH MWO F 10/15/90 10/08/90 09/27/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER M R VAUGHT.

WORK PERFORMED

PERFORMED SCL00166 FOR 1240304002K01 AND 1240304002K02 WITH REFERENCE TO VV-494. DEW POINT WAS 43.5 DEGREES F AND 46.6 DEGREES F. RESPECTIVELY. MAINTAINED ZONE IV CLEANLINESS.

1240304002K01 19004257 ICPH MWO F 11/12/90 11/09/90 10/20/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK  
CHECKLIST: SCL00166 R2  
REF MWO: 19002901  
PROCEDURE: N/A  
REF DNG:

WORK PERFORMED

PERFORMED DEW POINT CHECK ON 1240304002K01 PER SCL00166 DEW POINT WAS 43.2 ON EG 8 6. VP1296 CAL DUE 8-17-91. MAINTAINED ZONE IV CLEANLINESS. RECEIVED PERMISSION FROM UNIT 2 SS TO PERFORM WORK. PERFORMED DEW POINT CHECK ON 1240304002K02 PER SCL00166. DEW POINT WAS HIGH @ 60 DEG F. UPON INVESTIGATION, FOUND SYSTEM HAD A HOLD TAG 8 F AN MOTOR WAS NOT RUNNING. PM WILL BE PERFORMED AT A LATER DATE WHEN SYSTEM IS RUNNING. MAINTAINED ZONE IV CLEANLINESS. RECEIVED UNIT 1 SS PERMISSION TO PERFORM WORK. PERFORMED DEW POINT CHECK ON 1240304002K02 PER SCL00166. DEW POINT READING WAS 48.8 DEG F. USED TEST EQUIPMENT VP1296 DUE DATE 8-17-91, TO GET READING. MAINTAINED ZONE IV CLEANLINESS. CHECKED DEW POINT AGAIN WHILE DEW POINTER VP-1296 WAS STILL SET UP PER ABOVE STEP. 8 DEW POINT HAD DRIFTED UP TO 44.4 DEG F. FOUND MWO 019004394 WRITTEN ON THE AIR DRYER. THIS IS PROBABLY THE REASON THE STARTING AIR TEMP/DEW POINT IS HIGH, BECAUSE THE AIR DRYER IS IMPERMEABLE. THIS PM SHOULD BE COMPLETED AFTER AIR DRYER IS REPAIRED. MAINTAINED ZONE IV CLEANLINESS. DC 1-90-488 WRITTEN ON HIGH DEW POINT.

1240304002K01 19004515 ICPH MWO F 11/29/90 11/26/90 11/19/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

CHECKLIST: SCL00166 R3  
REF MWO: 19004257  
PROCEDURE: N/A  
REF DNG:

WORK PERFORMED

PERFORMED SCL00166 DEW POINT ON 1240304002K02 READING WAS 44.9 DEG F. MAINTAINED ZONE IV CLEANLINESS. PERFORMED SCL00166 DEW POINT ON 1240304002K01 READING WAS 48.2 DEG F. MAINTAINED ZONE IV CLEANLINESS.

1240304002K01 19004878 ICPH MWO F 01/07/91 12/31/90 12/28/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK  
CHECKLIST: SCL00166 R3  
REF MWO: 19884515  
PROCEDURE: N/A  
REF DNG:

WORK PERFORMED

PERFORMED SCL00166 NO PROBLEMS FOUND K01 DEWPOINT 42.4 DEGREES F AND K02 DEW POINT 48.2 DEGREES F MAINTAINED ZONE IV CLEANLINESS VP-1296 CAL DUE 8/17/91

1240304002K02 1880891 MOPH MWO F 06/06/89 01/12/89 12/13/88

WORK REQUESTED

PERFORM FOLLOWING PM

WORK PERFORMED

VISUALLY INSPECTED GOVERNOR KMOV SETTING SECURED BY TOPSUK SEAL GOVERNOR LINKAGE & ASSEMBLY DR. LUBRICATED FUEL RACK BUSHINGS NO BINDING OR STICKING. FUEL OIL FILTER DR. AUTO SHUTDOWN CYLINDER EXTENDED & RETRACTED DR. MAINTAINED ZONE IV CLEANLINESS. CLEANED CONDENSERS 1 AND 2 TOOK DEW POINT USING VP114 CAL DUE 4-29-89. MEASURED DEWPOINT ON CONDENSER 01 WAS 26.7 DEGREES F AND ON CONDENSER 02 WAS 27.5 DEGREES F. MAINTAINED ZONE IV CLEANLINESS.

1240304002K02 18900822 ICPH MWO F 05/06/89 02/24/89 02/14/89

WORK REQUESTED

DEW POINT TAKEN PER MWO 1888281 WAS TAKEN INCORRECTLY AS EVIDENCED BY DEW POINTS OF 28.7 DEGREES F AND 27.5 DEGREES F. DEW POINT FOR THESE DRYERS CANNOT BE LOWER THAN 32 DEGREES F.

WORK PERFORMED

DEWPOINTS TAKEN PER MWO 18900822 LISTED IN BLOCK 5, USING EG04 MODEL 011 DEW-BILL VP114 CAL DUE 5-2-89. DEW POINT ANALYZER MODEL VN-8695 OPERATORS MANUAL SECTION 3.2.1 USED

Exhibit 1, page 01



WORK ORDERS BY TAG NO

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12403G4002K02	1890098	NEPH	MWO	F	03/04/89	03/01/89	02/23/89				
<p>WORK REQUESTED PERFORM FOLLOWING PM</p> <p>WORK PERFORMED DEW POINT ON 1-2403-G4-002-K02 IS 38.8 DEGREES F. DEW POINT ON 1-2403G4002K01 IS 45.6 WATE USED VP 1114 DUE 5-2-89. PERFORMED MAINT CHECKLIST ON EACH UNIT. MAINTAINED ZONE IV HOUSEKEEPING.</p>											
12403G4002K02	1890106	ICDP	MWO	F	06/02/89	05/30/89	03/01/89				
<p>WORK REQUESTED DUE POINT TAKEN PER MWO 1890098 AND 18900822 WAS INCORRECT. OPERATING INSTRUCTIONS WERE FOLLOWED FOR EG &amp; G DEWPOINT ANALYZER, HOWEVER RESULTS WERE STILL ACCEPTABLE.</p> <p>WORK PERFORMED TOOK DEW POINT MEASUREMENTS USING ALMOR DEWPOINT METER VP-2466 CAL DUE 4-4-89. 1-2403-G4-K01 WAS -2 DEGREES F. 1-2403-G4-002-K02 WAS -12 DEGREES F. PROCEDURE 20429-C WAS NOT USED. MAINTAINED ZONE IV CLEANLINESS. DN 3/8/89 OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CHECKED DEW POINT ON AIR DRYER 1-2403-G4-002-K01, IT WAS -15 DEGREES F. CHECKED DEW POINT ON AIR DRYER 1-2403-G4-002-K02, IT WAS -27 DEGREES F. WATE USED VP-2466 CAL DUE 4-4-89. DID NOT USE PROCEDURE 20429-C. LEADS DO NOT HAVE TO BE LIFTED. MAINTAINED ZONE IV HOUSEKEEPING. DJL 5/22 OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-002-K01, USING VENDOR MANUAL 1149 FIG 8 ON PAGE 83, THE DEW POINT AT ELEVATED PRESSURE WAS 45 DEGREES F. WATE USED VP-2722 CAL DUE 9-2-89. MAINTAINED ZONE IV HOUSEKEEPING. WJL 5-17-89 OBTAINED PERMISSION FROM UNIT ONE S.S.S. TO BEGIN WORK. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K01, USING VENDOR MANUAL 1149 THE DEW POINT WAS 39 DEGREES F. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-001-K02 AND IT WAS 78 DEGREES F. WJL 5-18-89 TALKED WITH KEN STOKES ABOUT THE HIGH DEW POINT AIR DRYER 1-2403-G4-001-K02. HE SAID MWO 18902168 WAS WRITTEN TO CORRECT PROBLEM. WJL 5/30/89</p>											
12403G4002K02	1890249	ELCP	MWO	F	07/04/89	07/02/89	06/05/89				
<p>WORK REQUESTED PERFORM FOLLOWING PM</p> <p>WORK PERFORMED</p>											

REPORT NO. 01  
REPORT NAME: MWO-894

GEV42551 A DISK VERSION - V.E.C.P.  
NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
WORK ORDERS BY TAG NO

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
12403G4002K02	1890280	ICDP	OPS	F	08/01/89	07/20/89	06/29/89				
<p>WORK REQUESTED PERFORM FOLLOWING PM ****DUPLICATED PER J R PHELPS 7/27/89*****</p> <p>WORK PERFORMED PERFORMED THE PREVENTATIVE MAINTAINENCE SPECIFIED PER SCL00166 CLASS C. MAINTAINED ZONE IV CLEANLINESS. DEW POINTS AT ELEVATED PRESSURE: 12403G4002K01 = 47 DEGREES F. 12403G4002K02 = 37 DEGREES F. TEST EQUIPMENT: VP-2722 C/D 9/2/89.</p>											
12403G4002K02	1890321	ICPH	MWO	F	08/29/89	08/16/89	07/27/89				
<p>WORK REQUESTED PERFORM FOLLOWING PM</p> <p>WORK PERFORMED AUTHORIZED TO WORK ON 12403G4002K01. VACUUMED COILS AND INTERNALS OF CONDENSOR UNIT 1-24-3-G4-002-K01. MEASURED DEWPOINT ON 1-2403-G4-002-K01 OF -28 DEG F. AUTHORIZED TO COMPLETE WORK PACKAGE, VACUUMED COILS AND INTERNALS OF CONDENSOR UNIT 1-2403-G4-002-K02. MEASURED DEWPOINT ON 1-2403-G4-002-K02 AT -22 DEG F. MAINTAINED CLASS 4 CLEANLINESS. CONVERTED READINGS FROM ALMOR TO OPERATING PRESSURE PER CHART IN ALMOR MANUAL, VM-1149 75 FOLLOWS: UNIT MEASURED DEWPOINT DEW POINT AT OPERATING 1-2403-G4-002-K01 -28 DEGREES F 38 DEGREES F 1-2403-G4-002-K02 -22 DEGREES F 41 DEGREES F OPERATING PRESSURE ON BOTH UNITS WAS 200 PSIG.</p>											
12403G4002K02	1890314	ELPH	MWO	F	08/28/89	08/22/89	08/03/89				
<p>WORK REQUESTED PERFORM FOLLOWING PM</p> <p>WORK PERFORMED OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEWPOINT ON AIR DRYER 12403G4002K01 AND IT WAS +45 DEG F. CHECKED DEWPOINT ON AIR DRYER 12403G4002K02 AND IT WAS +42 DEG F. WATE USED VP-2721 CAL DUE 9-2-89. MAINTAINED ZONE IV HOUSEKEEPING. CLEANED CONDENSERS ON 1-2403-G4-002-K01, K02 AND RESTARTED FANS. MAINTAINED ZONE IV CLEANLINESS.</p>											

Exhibit 1, page 01

TAG NUMBER	MWD NUMBER	DISC	RESP FORM	STATUS	CLOSED	ACT END	LOADED	NEW MWD
1240304002K02	18903656	ELPM	MWD	F	10/03/89	09/27/89	08/25/89	

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED

OBTAINED PERMISSION FROM UNIT ONE SS TO BEGIN WORK. CHECKED DEW POINT ON AIR DRYER 1240304002K01 IT WAS +47 DEGREES F. CHECKED DEW POINT ON AIR DRYER 1240304002K02, IT WAS +45 DEGREES F. NOTE USED VP-2466 C AL DUE 3/7/90. MAINTAINED ZONE IV HOUSEKEEPING. PERFORMED CHECKLIST SCL00166 FOR AIR DRYERS 1-2403-64-002-K01, K02, MAINTAINED ZONE IV CLEANLINESS.

1240304002K02	18904466	ICDP	MWD	F	10/24/89	10/20/89	09/21/89	
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WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED

MEASURED DEW POINT OF 1240304002K01 AND 1240304002K01. NOTE USED VP-2466 CLEANED CONDENSING UNITS PER PH CHECKLIST 1240305002K01 DEW POINT = 41 DEGREES F  
1240304002K02 DEW POINT = 46 DEGREES F  
MAINTAINED ZONE IV CLEANLINESS  
VERIFIED ZONE IV CLEANLINESS WAS MAINTAINED

1240304002K02	18905009	ICPM	MWD	F	11/12/89	11/15/89	10/26/89	
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WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED

PERFORMED PH CHECKLIST ON 1240304002K01 AND FOUND DEWPOINT READING AT -5 DEGREES F USING VP-2466 DUE CAL 3-7-90. PERFORMED PH CHECKLIST ON 1240305002K02 AND FOUND DEWPOINT READING AT -10 DEGREES F USING VP-2466 DUE CAL 3-7-90. MAINTAINED ZONE IV CLEANLINESS. USING CORRECTION CHART IN VM-1149 THE -5 DEGREES F READING AT 02 PSIG CONVERTS TO 30 DEGREES F AND THE -10 DEGREES F READING AT 02PSIG CONVERTS TO 32 DEGREES F

1240304002K02	18906280	ICPM	MWD	F	01/08/90	12/18/89	12/01/89	
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WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED

PERFORMED PH CHECKLIST ON 1240304002 K01 AND 1240304-002 K02 AND RECORDED DEWPOINT READINGS AS FOLLOWS  
12403-04002K01 37 DEGREES F. REF VM-1149  
12403-04001K02-33 DEGREES F. (NOTE USED VP 2466 CAL DUE 3-7-90)

TAG NUMBER	MWD NUMBER	DISC	RESP FORM	STATUS	CLOSED	ACT END	LOADED	NEW MWD
1240304002K02	18906446	ICPM	MWD	F	01/29/90	01/08/90	12/18/89	

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED

PERFORMED CHECKLIST SCL88166 ON 1240304002K01 AND K02. DEWPOINT OF K01 WAS 32 DEGREES F  
DEW POINT K02 WAS 32 DEGREES F  
MAINTAINED ZONE 4 CLEANLINESS.

1240304002K02	19000466	ICPM	MWD	F	02/19/90	02/11/90	01/26/90	
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WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED

DEW POINT IS 37 DEGREES F USED VP-2466 MAINTAINED ZONE IV CLEANLINESS  
NOTE: DEW POINT WAS 37 DEGREES F FOR BOTH AIR DRYERS.

1240304002K02	19000966	ICPM	MWD	F	03/15/90	03/09/90	02/23/90	
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WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED

PERFORMED PH USING CHECKLIST SCL166. COULD NOT OBTAIN READINGS ON TRAIN 8 DRYER 2 DUE TO EQUIPMENT CLEARANCE. MAINTAINED ZONE IV CLEANLINESS. LM 3-9-90  
DEW POINT TAKEN WAS 45 DEGREES F  
AIR DRYER 02 WAS TESTED ON 3-12-90. WAS FOUND TO BE IN TOLERANCE.

1240304002K02	19001514	ICPM	MWD	F	04/01/90	03/29/90	03/24/90	
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WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED

MEASURED DEW POINT OF COMP02 AT 34 DEGREES. MEASURED DEW POINT OF COMP 01 AT 37 DEGREES. PERFORMED ALL OF CHECKLIST SCL-00166. USED VP-2466 DUE 4-7-90.

1240304002K02	19001778	ICPM	MWD	F	04/16/90	04/15/90	04/05/90	
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WORK REQUESTED  
PERFORM SCL00166

WORK PERFORMED

Exhibit 1, page 1 of 1

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 TAG NUMBER MWD NUMBER DISC RESP FORM STATUS CLOSED ACT END LOADED NEW MWD  
 \*\*\*\*\*  
 OBTAINED PERMISSION FROM UNIT ONE S.S. TO BEGIN WORK. CHECKED THE DEW POINT ON AIR DRYER 1-2403-G4-002-K01. IT WAS 84° F. CHECKED TEN DEW POINT ON AIR DRYER 1-2403-G4-002-K02. IT WAS 82° F. MATE USED VP-2400 CAL DUE 4-7-90. D.C. WAS WRITTEN D.C. 8190-186. A MRT WAS WRITTEN MRT# 8885. MAINTAINED ONE IV HOUSEKEEPING. DAVE LOHRMAN 4-5-90 REVERIFIED AIR DRYERS USING 3 DIFFERENT DEVICES.  
 TRN B, K01 = (1) 45.8° F. = 15° F. = 85° F. WITH ALMOR 7200 VP2466 CAL DUE 4-7-90.  
 (2) 42.8° F. = 39° F. = 18° DP WITH ALMOR 7000 DE RENTAL SER. 814901. (3) 40.8° F. DP WITH EG & D VP1114 CAL DUE 8-3-90.  
 K02  
 (1) 62.8° F. = 47° F. = 75° F DP WITH ALMOR 7200 VP2466 CAL DUE 4-7-90.  
 (2) 42.8° F. = 39° F. = 18° F. DP WITH ALMOR 7000 DE RENTAL SER#24901.  
 (3) 42.1° = 82° F. DP WITH EG & D VP1114 CAL DUE 8-3-90.  
 MAINTAINED ZONE 4 CLEANLINESS. DLJ 4-7-90  
 CHECKED DEW POINT AT DIESEL RAN 1B.  
 K02 41.5° F. 1.4°C (34.5°F)  
 K01 42.5° F. 3.4°F (34-1°F)  
 MAINTAINED ZONE IV CLEANLINESS. GBC 4-10-90  
 AIR DRYERS ARE OPERATING WITHIN ACCEPTABLE UNITS.  
 MWD WILL BE CLOSED. GBC 4-13-90  
 OBTAINED PERMISSION FROM UNIT ONE S.S. TO BEGIN WORK.  
 CHECKED DEW POINTS ON AIR DRYERS 1-2403-G4-002-K01 & K02, 90 AND F53529 CAL DUE 10-25-90.  
 DEW POINT ON 1-2403-G4-002-K01 1-2403-G4-002-K02  
 VP-1114 44.5° F. 36.6°F  
 F53529 45.89° F (7.7°C) 40.82°F (4.9°C)  
 MAINTAINED ZONE IV HOUSEKEEPING W/J 4-8-90  
 F53529 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED FOR INFORMATION ONLY. IT HAS NO OFFICIAL SITE CAL.  
 BILLY J MCSWEENEY, 4-8-90

12403G4002K02 19001770 VOID MWD F 04/09/90 00/00/00 04/06/90

WORK REQUESTED  
 WHILE PERFORMING PM ON DIESEL GEN AIR START AIR DRYERS TRAIN B, FOUND THE DEW POINT TO HIGH. 1-2403-G4-002-K01 WAS 84 DEGREES F AND 1-2403-G4-002-K02 WAS 83 DEGREES F. DEW POINT SHOULD BE BETWEEN 32 DEGREES F AND 58 DEGREES F. P.M. MWD 819001770.  
 LOCATION: UNIT ONE B TRAIN DIESEL

WORK PERFORMED  
 \*\*VOID\*\* 18C FOUND INSTRUMENTATION OUT OF CALIBRATION. THE DEW POINT WAS FOUND ACCEPTABLE ON 4/8/90 UNDER MWD 19001770. THE DEW POINT WAS 36.6 DEGREES F. PER MIKE DUNCAN, J. JEROME JACKSON 4/9/90

12403G4002K02 19002130 ICPM MWD F 05/16/90 05/12/90 04/25/90

WORK REQUESTED  
 PERFORM FOLLOWING P M MONTHLY - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK

\*\*\*\*\*  
 TAG NUMBER MWD NUMBER DISC RESP FORM STATUS CLOSED ACT END LOADED NEW MWD  
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WORK PERFORMED  
 PERFORMED PM CHECKLIST ON AIR START DRYER #12403G4002K01. DWPPOINT BEC DING 43 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE IV CLEANLINESS.  
 PERFORMED PM CHECKLIST ON AIR START DRYER #12403G4002K02. DWPPOINT BE ADING 43 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE IV CLEANLINESS.

12403G4002K02 19002391 NECP MWD F 05/16/90 05/16/90 05/09/90

WORK REQUESTED  
 AIR PRESS. IN DYRER BLEEDS OFF AFTER AIR COMP. SHUTS OFF. INVESTIGATE AND REPAIR. AUTO-DRAIN TRAP IS LEAKING BY.  
 LOCATION: U1-DC 1B AIR COMP 02

WORK PERFORMED  
 REWORK AUTO DRAIN TRAP PER VENDOR MANUAL. MED-90-008071 MER 90-008069 . MAINTAINED ZONE IV HOUSEKEEPING. J.M.F. 5-10-90

12403G4002K02 19002901 ICPM MWD F 07/18/90 06/22/90 06/05/90

WORK REQUESTED  
 PERFORM FOLLOWING P M MONTHLY - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
 AFTER OBTAINING SS PERMISSION, CLEANED CONDENSING UNIT 12403G4002K02 AND MEASURED DEW POINT WITH VP 1114 AT 55.7 DEGREES F. ALSO CLEANED CONDENSING UNIT 12403G4002K01 AND MEASURED DEW POINT WITH VP-144 AT 88.2 DEGREES F. DISCUSSED THE READING OF 88.2 DEGREES F WITH MIKE WILBURN AND HE SAID THE MOST PROBABLE CAUSE WAS DUE TO 12403G4002K01 NOT RUNNING. MAINTAINED ZONE IV CLEANLINESS. BB 4-22-90

12403G4002K02 19003216 ICPM MWD F 07/26/90 07/21/90 07/05/90

WORK REQUESTED  
 PERFORM FOLLOWING P M 1 NO - B TRAIN - D. C. AIR RECEIVER K01, K02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
 PERFORMED PM CHECKLIST ON 12403G4002K01 AND FOUND DEWPOINT AT 43.9 DEG REES F. PERFORMED PM CHECKLIST ON 12403G4002K02 AND FOUND DEWPOINT AT 41.5 DEGREES F. USED DEW-ALL MODEL 911 VP-1114 CAL DUE 8-3-9 FOR MEASUREMENTS. MAINTAINED ZONE IV CLEANLINESS.

12403G4002K02 19003505 ICPM MWD F 08/22/90 08/14/90 08/01/90

Exhibit PAGE 01

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D. G. AIR RECEIVER #01, #02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED PN ON DC 'B' AIR DRYERS USING VP1110 C/D 9-3-90 #01 = 32.2 D  
EGREES F, #02 = 32.7 DEGREES F PERFORMED CHECKLIST SCL00166. ZONE IV  
HOUSEKEEPING MAINTAINED.

12483G4802K02 19003807 ICPH MWO F 09/17/90 09/12/90 08/29/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D. G. AIR RECEIVER #01, #02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

CLEANED CONDENSING UNITS WITH AIR. MAINTAINED ZONE IV CLEANLINESS  
MEASURED DEW POINT PER 12483G4802K01 WAS 44.6 DEGREES F. MEASURED DEW  
POINT FOR 12483G4802K02 AND 41.5 DEGREES F. COMPLETED CHECKLIST SCL00  
166 AND RETURNED UNITS TO SERVICE. MAINTAINED ZONE IV CLEANLINESS.  
VP-1296 DUE 8-17-91.

12483G4802K02 19004643 ICPH MWO F 10/15/90 10/08/90 09/27/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D. G. AIR RECEIVER #01, #02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED SCL0166 FOR 12483G4802K01 AND 12483G4802K02 WITH  
REFERENCE TO VN-494. DEW POINT WAS 43.5 DEGREES F AND 46.8 DEGREES F.  
RESPECTIVELY. MAINTAINED ZONE IV CLEANLINESS.

12483G4802K02 19004257 ICPH MWO F 11/12/90 11/09/90 10/24/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - B TRAIN - D. G. AIR RECEIVER #01, #02 DEWPOINT CHECK  
CHECKLIST: SCL00166 #2  
REF PHWO: 19002901  
PROCEDURE: N/A  
REF DWG:

WORK PERFORMED

PERFORMED DEW POINT CHECK ON 12483G4802K01 PER SCL00166 DEW POINT WAS  
43.2 ON 8 8 6. VP1296 CAL DUE 8-17-91. MAINTAINED ZONE IV CLEANLINE  
SS. RECEIVED PERMISSION FROM UNIT 1 SS TO PERFORM WORK.  
PERFORMED DEW POINT CHECK ON 12483G4802K02 PER SCL00166. DEW POINT WAS

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

HIGH 8 60 DEG F. UPON INVESTIGATION, FOUND SYSTEM HAD A HOLD TAG B F  
AN MOTOR WAS NOT RUNNING. PN WILL BE PERFORMED AT A LATER DATE WHEN SY  
STEM IS RUNNING. MAINTAINED ZONE IV CLEANLINESS.

RECEIVED UNIT 1 SS PERMISSION TO PERFORM WORK PERFORMED DEW POINT CHEC  
K ON 12483G4802K02 PER SCL00166. DEW POINT READING WAS 40.6 DEG F.  
USED TEST EQUIPMENT VP1296 DUE DATE 8-17-91. TO GET READING.  
MAINTAINED ZONE IV CLEANLINESS.

CHECKED DEW POINT AGAIN WHILE DEW POINTER VP-1296 WAS STILL  
SET UP PER ABOVE STEP. A DEW POINT HAD DRIFTED UP TO 44.4 DE  
G F. FOUND MWO #19004394 WRITTEN ON THE AIR DRYER. THIS IS  
PROBABLY THE REASON THE STARTING AIR TEMP/DEW POINT IS HIGH  
BECAUSE THE AIR DRYER IS UNREPAIRABLE. THIS PN SHOULD BE CO  
MPLETED AFTER AIR DRYER IS REPAIRED. MAINTAINED ZONE IV CLE  
ANLINESS. DC 1-90-408 WRITTEN ON HIGH DEW POINT.

12483G4802K02 19004394 ELOP MWO F 11/26/90 11/26/90 11/07/90

WORK REQUESTED

AIR DRYER NOT FUNCTIONING PROPERLY. AIR RECEIVER HAS A HIGH DEW POINT  
AIR DRYER FAN MOTOR NOT OPERATING.  
LOCATION: D/C D/G  
MWO "N"

WORK PERFORMED

FOUND FAN MOTOR AND FAN PRESSURE SWITCH CIRCUIT TO BE OPEN REPLACED FA  
N MOTOR WITH NEW MOTOR PURCHASED ON MER 890041776. THE PRESSURE SWITC  
H WAS READ OPEN SO THE FAN WAS HOOKED-UP TEMPORARILY TO VERIFY OPERATI  
ON AND IT FUNCTIONED PROPERLY. AFTER FURTHER INSPECTION COMPRESSOR WO  
ULD RUN BUT THE SUCTION PRESSURE STAYED THE SAME. THE COMPRESSOR SEEM  
S TO HAVE BAD VALVES AND A NEW ONE WAS PURCHASED ALONG WITH A NEW P/S  
SURE SWITCH MER 890041778. THE BLUE P/S LEAD AND F/H LEAD WERE LEFT B  
E-TERMINED UNTIL INSTALLATION OF NEW P/S IS INSTALLED SEE 20429-C DATA S  
HEET FOR DETAILS. PARTS FOR THE AIR-DRYER ARE STORE IN C-18 OF  
MAINTENANCE STORAGE AREA. ZONE IV CLEANLINESS MAINTAINED.  
DISCONNECTED COMPRESSOR LEADS. DISCONNECTED SUCTION LINE AND CU  
T DISCHARGE LINE. REMOVED COMPRESSOR. DETERMINED AND REMOVED  
FAN SWITCH. DETERMINED LEADS TO CONTROL BOX. REMOVED OLD CO  
NTROL BOX AND INSTALLED NEW CONTROL BOX. RE-TERMINATED LEADS  
TO NEW CONTROL BOX. INSTALLED AND RE-TERMINATED NEW FAN SWI  
TCH. TERMINATED HEATER LEADS. INSTALLED NEW O-RING AND CUT  
OFF VALVE ON NEW COMPRESSOR. INSTALLED AND RE-TERMINATED NE  
W COMPRESSOR AND OVERLOAD SWITCH. INSTALLED HEATER BAND ON  
COMPRESSOR. RECORDED ALL INFO ON DATA SHEETS. DISCHARGE LI  
NE ON COMPRESSOR AND THE CAPILLARY TUBE TO NEW FAN SWITCH NE  
EDS TO BE SOLDERED. THE TOP PORT ON THE COMPRESSOR CAN BE P  
INCHED AND SOLDERED. MAINTAINED ZONE IV CLEANLINESS.  
PURGED COMPRESSOR WITH NITROGEN FOR SOLDERING AND THEN SOLDE  
RED DISCHARGE LINE & CAPILLARY TUBE TO NEW FAN SWITCH. ALSO  
PINCHED TOP PORT OF COMPRESSOR AND SOLDERED IF CLOSED. MAI  
NTAINED ZONE IV HOUSEKEEPING. SOLDERING DONE ON WP35 898226  
6.

INSTALLED VACUUM PUMP ON NEW COMPRESSOR AND PULLED DOWN TO 3  
6" HG THEN PUT A HOLDING CHARGE ON UNIT TO CHARGE TO PROPER  
REFRIGERANT HOWEVER PER OPERATION PROCEDURE THE COMPRESSOR C

Exhibit - page 01

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

AM'T BE RAN UNTIL COMPRESSOR OIL HAS BEEN HEATED FOR A 24 HR PERIOD. THE HEATER WAS TURNED ON AROUND 4:00 AM EST ON 11-13-90 AND WILL NOT BE ALLOWED TO RUN UNTIL 6:00 AM EST ON 11-14-90. THE UNIT WAS ALSO CHECKED FOR LEAKS USING AN ELECTRONIC LEAK DETECTOR AND WAS LEFT AT A HOLDING CHARGE OF 270 PSI. THE WORK WAS HALTED UNTIL TIME PERIOD HAS EXPIRED AND R-12 PURCHASED ON PER #9004186 WAS PLACED IN RAINY STORAGE AREA AT PRESENT TIME. ZONE IV CLEANLINESS WAS MAINTAINED. CHARGED MWO #12483G4002K02 WITH 6 LBS OF R-12 PURCHASED ON M PER #9004186. THE HIGH TEMPERATURE LIGHT WENT OUT AND THE UNIT SEEMED TO RUN CORRECTLY. THE UNIT WAS COMPLETED AND THE IS MWO NEEDS TO BE ROLLED TO J & C FOR THE COMPLETION OF THE CALIST SCHEDULE FOR MWO 19004257 WHICH WAS UNSAT. ZONE IV CLEANLINESS WAS MAINTAINED. HOOKED UP EG & G 911 DEW ALL DEW POINT TESTER VP81296 ON 10 D.C. AIR START AIR DRYER AND DEW POINT WAS OUT OF LIMITS HIGH. OPS IS BLOWING RECEIVER TANK DOWN TO LOWER DEW POINT. MAINTAINED ZONE IV CLEANLINESS. CHECKED DEW POINT ON 12483G4002K02 AND READ 60.2 DEG F WITH EG & G 911 DEW ALL TESTER, VP1296 DUE DATE 8-17-91. (WITH FA M MOTOR STOPPED). CHECKED DEW POINT AGAIN AFTER OPERATIONS BLEN DOWN RECEIVER TANK & STARTED FAH MOTOR THEN READING WENT TO 70.8 DEG F. REPORTED READINGS TO UNIT I S.S. ALSO KITIFIED KEM STOKES. MAINTAINED ZONE IV CLEANLINESS. D.C. 190-412 WRITTEN ON HIGH DEW POINT ON 11-15-90. PLANT ENGINEER, X STOKES NOTIFIED OF PROBLEM. CHECKED UNIT #12483-G4-002-K02 FOR PROPER OPERATION AND FOUND EQUIPMENT TO BE WORKING PROPERLY. THE UNIT HAS A FULL LOAD AMPERAGE RATING OF 7.85 AMPS WHICH HAD AND AMPERAGE DRAIN OF EXITING AT PRESENT TIME SO THERE WAS NO LOAD ON THE DRYER. THE SUCTION PRESSURE WAS APPROXIMATELY 33 PSIG AND ALL PORTIONS OF THE REFRIGERATION CYCLE SEEM TO BE NORMAL. THE RED HIGH TEMP LIGHT WAS OFF ALSO GIVING A GOOD INDICATION THAT UNIT IS OPERATING IN THE DESIRED TEMP RANGE. (HIGH TEMP LIGHT WAS ON WHEN INITIAL PROBLEM OCCURRED ON 11-9-90). SEE PARAGRAPH 2.5.1 OF VENDOR MANUAL (35A801-503) FOR HIGH TEMP LIGHT. THE AIR DRYER IS NOT THE PROBLEM AT PRESENT TIME AND ZONE IV CLEANLINESS WAS MAINTAINED. 11-22-90 OPERATION IS TO PURGE THE RECEIVER TANK AND ALLOW NEW DRY AIR TO FILL THE TANK, AFTER THIS HAS BEEN COMPLETE TAKE DEWPOINT READING. 11-22-90 USING VP-1296 CD 8-17-91 RECORDED A DEWPOINT OF 56.9 AFTER B LOWDOWN OF AIR RECEIVER. MAINTAINED ZONE IV CLEANLINESS. 11-23-90

12483G4002K02 19004515 ICPH MWO F 11/29/90 11/26/90 11/19/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 MO - B TRAIN - D, G, AIR RECEIVER K01, K02 DEWPOINT CHECK  
CHECKLIST: SCL80166 RS  
REF MWO: 19004257  
PROCEDURE: N/A  
REF DWG:

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

WORK PERFORMED  
PERFORMED SCL80166 DEW POINT ON 12483G4002K02 READING WAS 49.9 DEG F. MAINTAINED ZONE IV CLEANLINESS. PERFORMED SCL00166 DEW POINT ON 12483 G400K01 READING WAS 48.2 DEG F. MAINTAINED ZONE IV CLEANLINESS.

12483G4002K02 19004870 ICPH MWO F 01/07/91 12/31/90 12/28/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 MO - B TRAIN - D, G, AIR RECEIVER K01, K02 DEWPOINT CHECK  
CHECKLIST: SCL80166 RS  
REF MWO: 19004515  
PROCEDURE: N/A  
REF DWG:

WORK PERFORMED  
PERFORMED SCL8166 NO PROBLEMS FOUND K01 DEWPOINT 42.6 DEGREES F AND K02 DEW POINT 48.2 DEGREES F MAINTAINED ZONE IV CLEANLINESS VP-1296 CAL DUE 8/17/91

22483G4001K01 28901855 ELPH MWO F 05/18/89 05/13/89 05/02/89

WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
PERFORMED PM 28901855 ON 2-2483-G4-001-K01 AND K02. DEW POINT TAKEN WITH HUMIDITY ANALYZER VP-1114 CAL 5/2/89. DEW POINT FOR 2-2483-G4-001-K01 READ 45.4. K02 - 47.7. CONDENSING UNIT CLEANED WITH VACUUM CLEANER WITH FAH STOPPED. AF 3/13/89  
BLK 5: 22483G4002K01 AND K02 HAVE BEEN DELETED FROM THIS MWO AND ARE BEING WORKED UNDER MWO 28902080 PER INSTRUCTIONS OF F LETTER FROM MANAGEMENT CONCERNING MWO'S WITH "A" TRAIN AND "B" TRAIN. MDS 3-15-89

22483G4001K01 28902500 ELPH MWO F 04/19/89 04/17/89 03/29/89

WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
PERFORMED P.M. ON AIR DRYERS ON A-TRAIN. HAD1 87-2483-G4-001-K01 AND K02. THE CONDENSERS ON EACH UNIT WERE CLEANED USING COMPRESSED AIR AND THE DEWPOINT ON EACH UNIT WAS TAKEN AND THE RESULTS ARE: K01 WAS 50.2 DEGREES F WHILE K02 WAS 50.8 DEGREES F. THE HALE EQUIPMENT USED WAS THE MODEL 911 DEW ANALYZER VP-1114 CAL DUE 5-2-89. THE WORK WAS COMPLETED AND ZONE IV CLEANLINESS WAS MAINTAINED. DBE 4-17-89

22483G4001K01 28903077 VOID MWO F 04/12/89 04/08/88 04/26/89

Exhibit ,page of

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TAG NUMBER MWO NUMBER DISC RESP FORM STATUS CLOSED ACT END LOADED NEW MWO  
\*\*\*\*\*

WORK REQUESTED  
PERFORM FOLLOWING PM  
\*\*\*\*\*VOID\*\*\*\*\* JPR 6/12/89

WORK PERFORMED  
VOID PM WORK TO BE PERFORMED ON MWO 28103859

22483C4801K81 28983859 ICOP MWO F 06/02/89 1/6/21/89 06/02/89

WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
PERFORMED WORK SPECIFIED PER CHECKLIST SCL00166 CLASS C. USED VP-2722  
C/D 9-2-89, ALMOR  
DEW POINT READINGS:  
MPL# DEW POINT  
22483C4801K81 -13.5 DEGREES F  
22483C4801K82 -11.5 DEGREES F  
MAINTAINED ZONE IV CLEANLINESS.

22483C4801K81 28984220 ICOP MWO F 07/17/89 07/13/89 06/29/89

WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
PERFORMED THE PREVENTATIVE MAINTAINANCE SPECIFIED PER SCL00166 E001M  
CLASS C. DEWPOINT = 17.5 DEGREES F FOR 22483C4801K82.  
DEWPOINT = 27.5 DEGREES F FOR 22483C4801K81  
VP - 2722 C/D 9/2/89  
STEP 4 E WITH RECEIVER PRESSURE OF 248 PSI DEWPOINT IS 48 DEGREES F PD  
8 K82 & 35 DEGREES FOR K81.

22483C4801K81 28984564 ELMH MWO F 08/18/89 08/08/89 07/27/89

WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEW POINT  
T ON AIR DRYER 22483C4801K81 AND IT WAS 40 DEGREES F. CHECKED DEW POINT  
M ON AIR DRYER 22483C4801K82 IT WAS 40 DEGREES F. MAINT USED VP-2722  
CAL DUE 9/2/89 MAINTAINED ZONE IV HOUSEKEEPING. DAVE LONGMAN 8-18-89  
PGL 2 MANHOURS  
CLEANED AIR DRYERS K81 & K82 PER MAINT CHECKLIST SCL00166 WITH VACUUM  
CLEANER. RESTORED TO OPERABILITY. MAINTAINED ZONE IV HOUSEKEEPING.  
RCD 8-12-89

22483C4801K81 28984592 ICOP MWO F 10/25/89 08/01/89 07/29/89

\*\*\*\*\*  
TAG NUMBER MWO NUMBER DISC RESP FORM STATUS CLOSED ACT END LOADED NEW MWO  
\*\*\*\*\*

WORK REQUESTED  
DEW POINT MEASUREMENTS TAKEN PER 28983859 ARE INCORRECT.  
\*\*\*DUPLICATED 10/24/89\*\*\*

WORK PERFORMED  
CHECKED DEW POINT ON 22483C4801K82. PSI @ 230 85 DEGREES F DEW POINT  
IS 48 DEGREES F PER GRAPH IN ALMOR MANUAL. CHECKED DEW POINT ON 22483C  
4801K81. PSI @ 234 TEMP 87 DEGREES F. DEW POINT IS 49 DEGREES F PER  
GRAPH. MAINTAINED ZONE 4 CLEANLINESS. D HINES 8-1-89 TEST EQUIP.  
VP-2722 CAL DUE 9-2-89

22483C4801K81 28984986 ICOP MWO F 10/02/89 09/26/89 09/01/89

WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEW POINT  
T ON AIR DRYER 22483C4801K81 IT WAS + 43 DEGREES F. CHECKED DEW POINT  
M ON AIR DRYER 22483C4801K82 IT WAS + 47 DEGREES F. MAINT USED VP-  
CAL DUE MAINTAINED ZONE IV HOUSEKEEPING.  
CLEANED CONDENSERS K81 & K82. MAINTAINED ZONE IV CLEANLINESS.  
MWO NEEDS TO BE ISSUED TO IAC TO SIGNOFF STEP 04 OF CXLIST FOR 2-2483-  
G4-801-802 AND COMPLETE DATE IN BLOCK 827. ALL WORK APPROVED FOR EVEN  
ING SHIFT ELECT. MAINT. C.J.L 9/25/89

22483C4801K81 28985265 NEPM R 00/00/00 00/00/00 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22483C4801K81 28985265 NEPM R 00/00/00 00/00/00 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22483C4801K81 28985266 NEPM R 00/00/00 00/00/00 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22483C4801K81 28985267 NEPM R 00/00/00 00/00/00 09/18/89

Exhibit \_\_\_\_\_, page \_\_\_\_\_ of \_\_\_\_\_

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
22403G4001K01	28905268	MEPM		R			00/00/00	00/00/00	09/18/89		
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
22403G4001K01	28905269	MEPM		R			00/00/00	00/00/00	09/18/89		
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
22403G4001K01	28905270	MEPM		R			00/00/00	00/00/00	09/18/89		
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
22403G4001K01	28905271	MEPM		R			00/00/00	00/00/00	09/18/89		
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
22403G4001K01	28905272	MEPM		R			00/00/00	00/00/00	09/18/89		
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
22403G4001K01	28905436	ICPM	MWO	F			10/24/89	10/20/89	09/27/89		
WORK REQUESTED PERFORM FOLLOWING PM											
WORK PERFORMED MEASURED DEWPOINT OF 22403G4001K01 & 22403G4001K02											

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TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
NOTE USED VP-2466. CLEANED CONDENSING UNITS PER PM CHECKLIST. 22403G4001K01 DEW POINT = 46 DEGREES F 22403G4001K02 DEW POINT = 49 DEGREES F											
22403G4001K01	28906687	ICPM	MWO	F			11/26/89	11/19/89	10/26/89		
WORK REQUESTED PERFORM FOLLOWING P M											
WORK PERFORMED CLEANED CONDENSING UNITS 2-2403-G4-001K01 AND 2-2403-G4-001-K02 PER MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS AND MEASURED THE DEW POINT ON BOTH AIR START DRYERS PER INSTRUCTIONS AS LISTED ON THE MAINTENANCE CHECKLIST. THE DEW POINT READING FOR BOTH DRYERS WERE 33 DEGREES F RESPECTIVELY. TEST EQUIP. USED VP-2466 C.D.B. 3/7/90. MAINTAINED ZONE IV CLEANLINESS											
22403G4001K01	28906450	ICPM	MWO	F			01/06/90	12/19/89	12/07/89		
WORK REQUESTED PERFORM FOLLOWING P M											
WORK PERFORMED CLEANED CONDENSING UNIT FOR 22403G4001K01 & K02 AND MEASURED DEWPOINTS PER SC100166 USING VP-2466 CAL DUE 3/7/90. USING DEW POINT CONVERSION CHART, FIGURE 8 IN VM 1149, 22403G4001K01 & K02'S DEW POINTS COMPARETED FOR 250 PSI ARE 42 DEGREES F RESPECTIVELY. MAINTAINED ZONE IV CLEANLINESS											
22403G4001K01	28906680	ICPM	MWO	F			01/29/90	01/25/90	12/28/89		
WORK REQUESTED PERFORM FOLLOWING P M											
WORK PERFORMED TOOK DEWPOINT READINGS ON 22403G4001K01. THE TEMP WAS 74 DEGREES F. THE DEWPOINT READING OF -41 DEGREES F. THE CONVERTED READING TAKEN FROM VM-1149 WAS 15 DEGREES F. THE PRESSURE ON THE RECEIVER WAS 240 PSIG TOOK DEW POINT READINGS ON 22403G4001K02. THE TEMP WAS 74 DEGREES F. THE DEWPOINT READING WAS -48 DEGREES F. THE PRESSURE ON THE RECEIVER WAS 235 PSIG. THE CONVERTED READING TAKEN FROM VM-1149 WAS 16 DEGREES F. THE ACCEPTANCE CRITERIA IS A CONVERTED READING BETWEEN 32 DEGREES F & 50 DEGREES F. BOTH RECEIVERS DID NOT MEET THIS ACCEPTANCE CRITERIA. USED VP-2466 CAL DUE 3-21-90. MAINTAINED ZONE IV CLEANLINESS USED VP-2466 CAL DUE 3-7-90 BELOW ARE THE READINGS TAKEN OFF THE UNITS ON 1-22-90 AT 211 5 CST. REFRIGERANT SUCTION PRESSURE 3257 TEMP IN 78 DEG F 74 DEG F PRESS IN 230 PSIG 240 PSIG TEMP OUT 76 DEG F 75 DEG F PRESS OUT 235 PSIG 230 PSIG.											

TAG NUMBER MWO NUMBER DISC  
RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

SEE NEXT PAGE  
ENG REQUEST THAT DEWPOINT READINGS BE TAKEN AGAIN.  
PERFORMED SCL00166 ON 22403G4001K01 & 22403G4001K02 BOTH ON 4  
IR START AIR DRYER CHECK OUT LR. ON 22403G4001K01 THE TEMP W  
AS 77 DEGREES F. THE DEWPOINT READING WAS -21 DEGREES F AND  
THE DEW POINT AT A ELEVATED PRESSURE OF 230 PSIG WAS 52 DEGR  
ELS F. ON 22403G4001K02 THE TEMP WAS 75 DEGREES F. THE DEW P  
DINT READING WAS -22 DEGREES F AND THE DEW POINT AT A ELEVAT  
ED PRESSURE OF 240 DEGREES F WAS 44 DEGREES F. EVERYTHING C  
HECKED OUT ON USED ALMOR DEWPOINTER VP2466 CAL DUE DATE 3-7-

22403G4001K01 29000361 ICPH MWO F 02/22/90 02/17/90 02/08/90

WORK REQUESTED  
PERFORM FOLLOWING P H

WORK PERFORMED

PERFORMED PH CHECKLIST SCL00166 ON 22403G4001K01 AND 2203G4001K02.  
TOOK THE FOLLOWING DEWPOINT MEASUREMENTS: (COMPENSATED) 22403G4001K01 -  
49 DEGREES F AND 22403G4001K02 - 44 DEGREES F. RATE USED BP-2466 CAL DUE  
3/7/90. MAINTAINED ZONE IV CLEANLINESS. VERIFIED ZONE IV CLEANLINESS.

22403G4001K01 29000666 ICPH MWO F 03/17/90 03/15/90 03/03/90

WORK REQUESTED  
PERFORM FOLLOWING P H

WORK PERFORMED

PERFORMED PH USING CHECKLIST 166. MAINTAINED ZONE IV CLEANLINESS  
AIR DRYER #1 WAS 32 DEGREES F  
AIR DRYER #2 WAS 35 DEGREES F.

22403G4001K01 29000964 ICPH MWO F 05/20/90 04/14/90 03/30/90

WORK REQUESTED  
PERFORM FOLLOWING P H

WORK PERFORMED

1 MO. - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
CLEANED CONDENSING UNITS ON 22403G4001K02 AND 22403G4001K01. THE DEW  
POINT MEASUREMENTS WERE NOT PERFORMED AT THIS TIME. (PH 29000964)  
MAINTAINED ZONE IV CLEANLINESS. BB 4-6-90 (CLEANED UNITS PER PH  
CHECKLIST SCL00166). RICKEY A MARGROVE 4-6-90 4 HOURS.  
CHECKED DEWPOINTS WITH 3 DIFFERENT UNITS:  
A TRN. R01: 1) 60 @ 70 = +15F = 85F DP WITH ALMOR 7200  
R02: 1) 72 @ 69 = 22F = 95F DP WITH ALMOR 7200  
MAINTAINED ZONE IV CLEANLINESS.  
CHECKED DEWPOINTS AGAIN WITH A DIFFERENT SENSOR AND ONE SAME  
DIESEL GEN 2A WITH F53529 & VP114  
F53529 CAL DUE 10-25-90

REPORT NO. 01  
REPORT NAME: MWO-004

TAG NUMBER MWO NUMBER DISC  
RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

MAINTAINED ZONE IV CLEANLINESS NL 4-8-90  
FS 3529 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED  
FOR INFORMATION ONLY. IT HAS NO OFFICIAL SITE CAL  
CHECKED DEW POINTS ON DIESEL GEN 2A WITH F53529 & VP-1114  
4F & VP1114 AT 61.6F ON R02. VP-1114 CAL DUE 8-3-90 & F53529  
CAL DUE 10-25-90. F53529 HAS NO OFFICIAL SITE CAL USED FOR  
INFORMATION ONLY. MAINTAINED ZONE IV CLEANLINESS. BB 4-9-90  
CHECKED DEW POINTS ON DIESEL GEN 2A  
VP1114 CAL 8-3-90 F53529 (NO SITE CAL)

R01 69.8F 16.4C (61.5F)  
R02 64.1F 18.5 (50.5F)  
R01 - TEST EQUIPMENT WAS ALLOWED TO STABILIZE FOR 50 MINUTES  
R02 - TEST EQUIPMENT FLUCTUATED FROM 8.3C TO 25.3C FOR 1 HOUR  
1 HOUR, ALLOWED TO STABILIZED FOR ADDITIONAL 30 MINS..  
DURING WHICH DEW POINT INDICATION FELL TO 9.4C AND  
THEN STABILIZED AT 10.3C

REMOVED TEST EQUIP; MAINTAINED ZONE IV CLEANLINESS  
NOTE: EXIT FANS HAVE RUN FOR ENTIRE TEST TIME.

CHECKED DEW POINT ON DIESEL GEN. A  
VP114 (CAL 8-3-90) F53529 (NO SITE CAL)  
R02 62.6F 17.3C (61.5F)  
R01 57.4F 14.4C (57.2F)

R01 - DEW POINT WAS TAKEN AFTER OPS BLEED PRESSURE DOWN ON  
ASSOCIATED RECEIVER TANK AND ALLOW COMPRESSOR TO RUN  
(APPROX 2 HRS).

TEST EQUIPMENT REMOVED FROM R01; MAINTAINED ZONE IV CLEANLIN  
ESS.  
THE FOLLOWING DEWPOINT READINGS WERE TAKEN ON THE AIR DRYERS  
22403G4001K01 - 43.8F  
22403G4001K01 - 47.3F

THE READINGS WERE TAKEN USING EC & G VP-114 CAL DUE 8-3-90  
MAINTAINED ZONE IV CLEANLINESS. DW 4-14-90

22403G4001K01 29001035 VOID MWO F 04/09/90 06/06/88 04/09/90

WORK REQUESTED  
HIGH AIR TEMPERATURE ALARM IN ON BOTH AIR DRYERS FOR 2A DIESEL  
GENERATOR AIR COMPRESSORS.  
WR# 07485  
LOCATION: 2ADGB

WORK PERFORMED

VOID LIGHT WILL ILLUMINATE FOR 15 MIN. FOLLOWING STARTUP. LIGHT VERIF  
IED OFF NOW. REN STORES 4/9/90  
WALKDOWN PERFORMED R. ROSE 4/9/90

22403G4001K01 29001139 VOID MWO F 04/28/90 08/08/88 04/12/90

WORK REQUESTED

AIR DRYER DOES NOT SEEM TO BE WORKING PROPERLY CAUSING THE DEW POINT  
IN THE AIR RECEIVER TO BE HIGH.  
LOCATION: U-2 TRAIN A DIESEL GEN BUILDING  
\*\*\*\*\*VOID\*\*\*\*\*

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TAC NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

WORK PERFORMED

\*\*\*\*\*VOID\*\*\*\*\*  
VOID; ACCEPTABLE DEWPOINT READINGS WERE OBTAINED ON 4-14-90 PER PH 298  
08964. TG 4-28-90

22403G4001K01 29001299 ICPM MWO F 05/16/90 05/12/90 04/25/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D.G. AIR RECEIVERS K01/K02 DEWPOINT CHECK.

WORK PERFORMED

PERFORMED PH CHECKLIST ON AIR START DRYER 22403G4001K01. DEWPOINT READING 45 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE IV CLEANLINESS.  
PERFORMED PH CHECKLIST ON AIR START DRYER 22403G4001K02. DEWPOINT READING 43 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE IV CLEANLINESS.

22403G4001K01 29001786 ICPM MWO F 06/21/90 06/07/90 05/21/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

AFTER SIGNING ON FOLLOWED SPECIAL INSTRUCTIONS PER SCL00166. DEWPOINT WAS +6.4 DEG F FOR 22403G4001K01 AND +6.3 DEG F FOR 22403G4001K02. TESTER USED WAS VP1114 CAL DUE DATE 8-3-90. MAINTAINED ZONE IV CLEANLINESS.  
NO WORK PERFORMED TODAY 6-6-90  
AFTER SIGNING PACKAGE ON RECHECKED DEWPOINT USING ROOT VALVES 22403K58 10 FOR 22403G4001K01 AND FOUND DEWPOINT AT 40.5 DEG F AND 22403K4812 FOR 22403G4001K02 AND FOUND DEWPOINT AT 44.3 DEG F. THESE ROOT VALVES WERE DETERMINED TO REPRESENT A MORE CONSISTENT DEWPOINT READING. MAINTAINED ZONE IV CLEANLINESS. TEST EQ USED VP-1114 CAL DUE DATE 8-3-90.

22403G4001K01 29002503 ICPM MWO F 07/06/90 07/03/90 06/28/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED PH CHECKLIST ON 22403G4001K01, AND 22403G4001K02, FOUND THE DEWPOINT FOR 22403G4001K01 AT 46.2 DEGREES F AND 37.5 DEGREES F FOR 22403G4001K02. USED VP-1114 DUE 8-3-90. MAINTAINED ZONE IV CLEANLINESS

TAC NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO

22403G4001K01 29003203 ICPM MWO F 08/13/90 08/10/90 07/19/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED PH ON 'A' TRAIN DRYER PER CHECKLIST SCL00166 VP1114 CAL DUE 9-3-90. DEW POINT FOR DRYER #1 = 35.2 DEGREES F. #2 = 44.5 DEGREES F (42 FAILED) NOTIFIED S.S. AND FOREMAN OF HIGH DEWPOINT OPERATIONS BLEW DOWN RECEIVER PERFORMED ANOTHER DEWPOINT CHECK. CHECK FAILED AGAIN. WRT 18913 WRITTEN TO INVESTIGATE DRYER PROBLEM. NOTIFIED S.S. & FOREMAN

22403G4001K01 29003668 ICPM MWO F 08/31/90 08/26/90 08/15/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
CHECKLIST: SCL00166 R2  
REF PHWO: 29002503  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VN-494 L  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED PH USING CHECKLIST 166. THE READINGS WERE SATISFACTORY. K02=28.9 DEGREES F. K02=41.1 DEGREES F. MAINTAIN ZONE IV CLEANLINESS.

22403G4001K01 29004078 ICPM MWO F 10/07/90 10/05/90 09/15/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
CHECKLIST: SCL00166 R2  
REF PHWO: 29002503  
PROCEDURE: N/A  
REF DWG: 1X408170-1 I, VN-494 L  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED PH PER SCL00166 FOLLOWING VN-494. AIR START DRYER #1 READ 74.1 DEGREES F & AIR START DRYER #2 READ 85.3 DEGREES F. OPERATIONS WAS INFORMED & BLOWDOWN AND/OR CORRECTIVE ACTION IS TO BE TAKEN MAINTAINED ZONE IV CLEANLINESS. NO PROCEDURES USED. 10-4-90  
PERFORMED PH PER SCL00166 FOR 22403G4001K01 AND 22403G4001K02. DEW POINT WAS 48.1 DEGREES F AND 48.7 DEGREES F RESPECTIVELY. MAINTAINED ZONE IV CLEANLINESS. DWA 10-5-90

22403G4001K01 29004858 ICPM MWO F 10/27/90 10/22/90 10/11/90

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TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT ENDD LOADED NEW MWO

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
CHECKLIST: SCL80166 R2  
REF PWMO: 29002503  
PROCEDURE: N/A  
REF DWG: 2X408170-1 I, VN-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED CHECKLIST PER MWO DEW POINTS ARE AS FOLLOWS  
22403G4001K01 DP 46.1  
22403G5001K02 DP 56.9 M 8 IF VP1296 CAL DUE 8-17-91. READING ACCEPTA  
BLE. MAINTAINED ZONE IV CLEANLINESS.

22403G4001K01 29005297 ICPM MWO F 11/30/90 11/28/90 11/08/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
CHECKLIST: SCL80166 R2  
REF PWMO: 29002503  
PROCEDURE: N/A  
REF DWG: 2X408170-1 I, VN-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED CHECK OF DG AIR START DRYERS DEWPOINT PER SC00166. FOUND  
DEWPOINT FOR 22403G4001K01 AT 46.5 F WHICH IS WITHIN THE ACCEPTABLE  
LIMITS OF SCL80166. FOUND DEWPOINT FOR 22403G4002 AT 46.4 F WHICH IS W  
ITHIN THE ACCEPTABLE LIMITS OF SCL80166. USED VP-1296 CAL DUE 8-17-91  
FOR DEWPOINT READINGS. MAINTAINED ZONE IV CLEANLINESS.

22403G4001K01 29005671 ICPM MWO F 01/02/91 12/21/90 12/06/90

WORK REQUESTED

PERFORM FOLLOWING P M  
1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK  
CHECKLIST: SCL80166 R2  
REF PWMO: 29005297  
PROCEDURE: N/A  
REF DWG: 2X408170-1 I, VN-494 L,  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

PERFORMED DEWPOINT CHECK ON "A" TRAIN AIR START DRYERS PER SCL-80166.  
MAINTAINED A ZONE IV CLEANLINESS.

TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT ENDD LOADED NEW MWO

22403G4001K02 28901855 ELPM MWO F 05/18/89 05/13/89 05/02/89

WORK REQUESTED

PERFORM FOLLOWING PM

WORK PERFORMED

PERFORMED BY 28901855 ON 2-2403-G4-001-K01 AND K02. DEW POINT TAKEN  
WITH HUMIDITY ANALYZER VP-1114 CAL 5/2/89. DEW POINT FOR 2-2403-G4-001  
1-K01 READ 45.4. K02 - 47.7. CONDENSING UNIT CLEANED WITH VACUUM  
CLEANER WITH FAN STOPPED. AF 5/13/89  
BLK 5: 22403G4001K01 AND K02 HAVE BEEN DELETED FROM THIS MWO  
0 AND ARE BEING WORKED UNDER MWO 28902000 PER INSTRUCTIONS O  
F LETTER FROM MANAGEMENT CONCERNING MWO'S WITH "A" TRAIN AND  
"B" TRAIN. WDS 5-14-89

22403G4001K02 28902508 ELPM MWO F 04/19/89 04/17/89 03/29/89

WORK REQUESTED

PERFORM FOLLOWING PM

WORK PERFORMED

PERFORMED P M. ON AIR DRYERS PM A-TRAIN, MWO 82-2403-G4-001-K01 AND K  
02. THE CONDENSERS ON EACH UNIT WERE CLEANED USING COMPRESSED AIR AND  
THE DEWPOINT ON EACH UNIT WAS TAKEN AND THE RESULTS ARE: K01 WAS 58.2  
DEGREES F WHILE K02 WAS 58.8 DEGREES F. THE RATE EQUIPMENT USED WAS TH  
E MODEL 911 DEW ANALYZER VP-1114 CAL DUE 5-2-89. THE WORK WAS COMPLETE  
D AND ZONE IV CLEANLINESS WAS MAINTAINED. DBE 4-17-89

22403G4001K02 28903077 VOID MWO F 06/12/89 06/00/80 04/26/89

WORK REQUESTED

PERFORM FOLLOWING PM  
\*\*\*\*\*VOID\*\*\*\*\* APR 6/12/89

WORK PERFORMED

VOID PM WORK TO BE PERFORMED ON MWO 28903059

22403G4001K02 28903059 ICPM MWO F 08/02/89 06/21/89 06/02/89

WORK REQUESTED

PERFORM FOLLOWING PM

WORK PERFORMED

PERFORMED WORK SPECIFIED PER CHECKLIST SCL80166 CLASS C. USED VP-2722  
C/D 9-2-89) ALMOR  
DEW POINT READINGS:  
MPL8 DEW POINT  
22403G4001K01 -15.5 DEGREES F  
22403G5001K02 -11.5 DEGREES F  
MAINTAINED ZONE IV CLEANLINESS.

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TAG NUMBER RMO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW RMO  
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22403G4001K02 28904220 ICOP RMO F 07/17/89 07/13/89 06/29/89

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
PERFORMED THE PREVENTATIVE MAINTAINANCE SPECIFIED PER SCLO0166 E001M  
CLASS C. DEWPOINT = 17.5 DEGREES F. FOR 22403G4001K02.  
DEWPOINT = 27.5 DEGREES F FOR 22403G4001K01  
VP - 2722 C/D 9/2/89  
STEP 4.E WITH RECEIVER PRESSURE OF 240 PSI DEWPOINT IS 48 DEGREES F FO  
R K02 & 35 DEGREES FOR K01.

22403G4001K02 28904564 ELPH RMO F 08/18/89 08/08/88 07/27/89

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEW POIN  
T ON AIR DRYER 22403G4001K01 AND IT WAS 40 DEGREES F. CHECKED DEW POI  
NT ON AIR DRYER 22403G4001K02 IT WAS 40 DEGREES F. RATE USED VP-2721  
CAL DUE 9/2/89 MAINTAINED ZONE IV HOUSEKEEPING.DAVE LOHRMAN 8-18-89  
PGL 2 MANHOURS  
CLEANED AIR DRYERS K01 & K02 PER MAINT CHECKLIST SCLO0166 WITH VACUUM  
CLEANER. RESTORED TO OPERABILITY, MAINTAINED ZONE IV HOUSEKEEPING.  
RCD 8-12-89

22403G4001K02 28904592 ICOP RMO F 10/25/89 08/01/89 07/29/89

WORK REQUESTED  
DEW POINT MEASUREMENTS TAKEN PER 20903859 ARE INCORRECT.  
\*\*\*DUPLICATED 10/24/89\*\*\*

WORK PERFORMED  
CHECKED DEW POINT ON 22403G4001K02. PSI @ 230 85 DEGREES F DEW POINT  
IS 40 DEGREES F PER GRAPH IN ALMOR MANUAL. CHECKED DEW POINT ON 22403G  
4001K01. PSI @ 230 TEMP 87 DEGREES F. DEW POINT IS 49 DEGREES F PER  
GRAPH. MAINTAINED ZONE 4 CLEANLINESS. D HINES 8-1-89 TEST EQUIP.  
VP-2722 CAL DUE 9-2-89

22403G4001K02 28904986 ICPH RMO F 10/02/89 09/26/89 09/01/89

WORK REQUESTED  
PERFORM FOLLOWING PH

WORK PERFORMED  
OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEW POIN  
T ON AIR DRYER 22403G4001K01 IT WAS + 43 DEGREES F. CHECKED DEW POINT  
ON AIR DRYER 22403G4001K02 IT WAS + 47 DEGREES F. H & TE USED VP-

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TAG NUMBER RMO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW RMO  
\*\*\*\*\*

22403G4001K02 28905264 NEPH R 00/00/80 00/00/80 09/18/89

CAL DUE MAINTAINED ZONE IV HOUSEKEEPING.  
CLEANED CONDENSERS K01 & K02. MAINTAINED ZONE IV CLEANLINESS.  
RMO NEEDS TO BE ISSUED TO I&C TO SIGNOFF STEP 84 OF CLIST FOR 2-2403-  
G4-001-K02 AND COMPLETE RATE IN BLOCK 027. ALL WORK APPROVED FOR EVEN  
ING SHIFT ELECT. MAINT. CJL 9/23/89

22403G4001K02 28905264 NEPH R 00/00/80 00/00/80 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905265 NEPH R 00/00/80 00/00/80 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905266 NEPH R 00/00/80 00/00/80 09/18/89

WORK REQUESTED  
VOIDER BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905267 NEPH R 00/00/80 00/00/80 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905268 NEPH R 00/00/80 00/00/80 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905269 NEPH R 00/00/80 00/00/80 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905270 NEPH R 00/00/80 00/00/80 09/18/89

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TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO  
\*\*\*\*\*

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905271 MOPH R 00/00/00 00/00/00 09/16/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905272 MOPH R 00/00/00 00/00/00 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22403G4001K02 28905436 ICPH MWO F 10/24/89 10/20/89 09/27/89

WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED

MEASURED DEWPOINT OF 22403G4001K01 & 22403G4001K02  
DATE USED VP-2466. CLEANED CONDENSING UNITS PER PM CHECKLIST. 22403G  
4001K01 DEW POINT = 46 DEGREES F  
22403G4001K02 DEW POINT = 49 DEGREES F

22403G4001K02 28905887 ICPH MWO F 11/26/89 11/19/89 10/26/89

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

CLEANED CONDENSING UNITS 2-2403-04-001K01 AND 2-2403-04-001-K02 PER  
MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS AND MEASURED THE  
DEW POINT ON BOTH AIR START DRYERS PER INSTRUCTIONS AS LISTED ON THE  
MAINTENANCE CHECKLIST. THE DEW POINT READING FOR BOTH DRYERS WERE  
33 DEGREES F RESPECTIVELY. TEST EQUIP. USED VP-2466 C.R.D. 3/7/90.  
MAINTAINED ZONE IV CLEANLINESS

22403G4001K02 28906170 FLOP MWO F 12/11/89 12/06/89 11/21/89

WORK REQUESTED  
DRYER ON AC #2 ON DIESEL GEN 2A SHORT CYCLING

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TAG NUMBER MWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW MWO  
\*\*\*\*\*

WPT #135  
LOC: DG 2A BUILDING

WORK PERFORMED

12-5-89 FOUND SUPPLY BREAKER TO AIR DRYER DE-EMERGED AS PER CONVERSA  
TION WITH KENNY STOKES AND VENDOR MAMUEL AXAKO(563-110) THE SUPPLY  
BREAKER NEEDS TO BE EMERGED 24 HRS PRIOR TO RESTART TO ALLOW HEATING  
OF REFRIGERANT AND OIL EMERGED BREAKER 10:30 AM EST.  
ATTEMPTED TO OPERATE DRYER AND THE DRYER WOULD TRIP OUT ON HIGH TEMPER  
ATURE CAUSED BY HIGH AIR INLET TEMPERATURE. INVESTIGATION REVEALED THA  
T THE REFRIGERANT HEAT EXCHANGER COOLING FAN WAS NOT OPERATING. REPLAC  
ED COOLING FAN WITH ONE FROM WAREHOUSE (MERR 89-16770). OPERATED AIR  
DRYER FOR APPROXIMATELY 20 MINUTES WITHOUT ANY MALFUNCTIONS.  
ZONE IV CLEANLINESS MAINTAINED.

22403G4001K02 28906450 ICPH MWO F 01/06/90 12/16/89 12/07/89

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

CLEANED CONDENSING UNIT FOR 22403G4001K01 & K02 AND MEASURED DEWPOINTS  
PER SCL00166 USING VP-2466 CAL DUE 3/7/90. USING DEW POINT CONVERSION  
CHART, FIGURE # 1M VM 1149, 22403G4001K01 & K02'S DEW POINTS COMPRESA  
TED FOR 250 PSI ARE 42 DEGREES F RESPECTIVELY. MAINTAINED ZONE IV CLE  
ANLINESS.

22403G4001K02 28906680 ICPH MWO F 01/29/90 01/25/90 12/20/89

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

TOOK DEWPOINT READINGS ON 22403G4001K01. THE TEMP WAS 74 DEGREES F. T  
HE DEWPOINT READING OF -41 DEGREES F. THE CONVERTED READING TAKEN FRO  
M VM-1149 WAS 15 DEGREES F. THE PRESSURE ON THE RECEIVER WAS 240 PSIG  
TOOK DEW POINT READINGS ON 22403G4001K02. THE TEMP WAS 74 DEGREES F  
THE DEWPOINT READING WAS -48 DEGREES F. THE PRESSURE ON THE RECEIVER  
WAS 235 PSIG. THE CONVERTED READING TAKEN FROM VM-1149 WAS 16 DEGREE  
S F. THE ACCEPTANCE CRITERIA IS A CONVERTED READING BETWEEN 32 DEGREE  
S F & 50 DEGREEES F. BOTH RECEIVERS DID NOT MEET THIS ACCEPTANCE CRITER  
IA. USED VP-2424 CAL DUE 3-21-90. MAINTAINED ZONE IV CLEANLINESS  
USED VP-2466 CAL DUE 3-7-90  
BELOW ARE THE READINGS TAKEN OFF THE UNITS ON 1-22-90 AT 211  
5 CST.

REFRIGERANT SUCTION PRESSURE 3257  
TEMP IN 78 DEG F 74 DEG F  
PRESS IN 230 PSIG 240 PSIG  
TEMP OUT 74 DEG F 75 DEG F  
PRESS OUT 235 PSIG 238 PSIG

SEE NEXT PAGE  
ENG REQUEST THAT DEWPOINT READINGS BE TAKEN AGAIN.  
PERFORMED SCL00166 ON 22403G4001K01 & 22403G4001K02 BOTH DG A

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22403G4001K02 290002A2 FLOP MWO F 03.06/91 03/02/91 02/02/90

IN START AIR DRYER CHECK OUT LK. ON 22403G4001K01 THE TEMP W AS 77 DEGREES F, THE DEWPOINT READING WAS -21 DEGREES F AND THE DEW POINT AT A ELEVATED PRESSURE OF 250 PSIG WAS 42 DEGR EES F. ON 22403G4001K02 THE TEMP WAS 75 DEGREES F, THE DEW P OINT READING WAS -22 DEGREES F AND THE DEW POINT AT A ELEVAT ED PRESSURE OF 250 DEGREES F WAS 49 DEGREES F. EVERYTHING C HECKED OUT OK USED ALMOR DEWPOINTER VP2446 CAL DUE DATE 3-7-

WORK REQUESTED

COMPRESSION UNIT HAS EXCESSIVE NOISE AND VIBRATION. PLEASE INVESTIGATE AND DETERMINE CAUSE. THIS IS THE AFTER COOLER ON DG2A & 2 COMPRESSOR. LOCATION: U2 DGB WRT 4041

WORK PERFORMED

HAD OPERATIONS RUN THE AIR COMPRESSOR IN ORDER TO DETERMINE ANY PROBLEMS WITH THE AFTER COOLER UNIT AS INDICATED IN BLOCK 6. DID NOT HEAR ANY EXCESSIVE NOISE COMING FROM THE AFTER COOLER UNIT, BUT NOTICE D EXCESSIVE VIBRATION COMING FROM THE AFTER COOLER FAN MOTOR. MEASURED VIBRATIONS ON AFTER COOLER FAN MOTOR. READINGS ARE LISTED ON MWO CONTINUATION SHEET.

M11  
DISP-MILLS VEL-IN/SEC  
MOTOR OUTBOARD VERT 3.8  
MOTOR OUTBOARD HORIZ 1.3  
MOTOR INBOARD VERT 4  
MOTOR INBOARD HORIZ 1.3  
USED RATE. TRD 820 VIBRATION MEAS 2-14-90, CDD 6/12/90  
MAINTAINED ZONE IV HOUSEKEEPING. 6-14-90  
FOUND VIBRATION COMING FROM DRYER MILL. A METAL TAG IS RATTILING AROUND INSIDE WIRE MESH COVER. SOME VIBRATION MAY BE COMING FROM THE COMPRESSORS. DRYER TAGS 2-2403-G4-001-K02 NEEDS TO BE OPENED UP AND CHECKED FOR LOOSE NUTS AND BOLTS. 6/1 2-13-90  
OBTAINED SHARP FILTER VELOCITY STRIP CHARTS PER 25210-C ON AFTER COOLER FROM MOTOR. MOTOR RPM 1782. USED IRD428 VP-2-16 23 CAL DUE 6-12-90. STRIP CHARTS ATTACHED TO MWO. MAINTAINED ZONE IV HOUSEKEEPING. & R NICKS. 6-14-90  
REMOVED FAN SHROUD AND FAN. FAN FAN 2-2403-G4-001-1700.  
OBTAINED VIBRATION READINGS (SHARP FILTER-VELOCITY IN SEC AND VELOCITY FILTER OUT) OUTBOARD VERT & HORIZ/ INBOARD VERT. & HORIZ. TRD VP-2-1502 C/D 2-28-91. STRIP CHART ATTACHED.  
MAINTAINED ZONE IV CLEANLINESS. REB 11/27/90  
REMOVED FAN GUARD, REMOVED FAN FROM MOTOR SHAFT. REMOVED MO TOR FROM MOUNT AND DISASSEMBLED TOOK TOROR END BELLS AND FAN SHIELD TO SHOP. REMOVED SHAFT BEARINGS AND REPLACED WITH N EW BEARINGS. CLEANED END BELLS AND FAN SHIELD AND RETURNED REINSTALLED FAN BLADE AND FAN SHIELD. PER RICK VAUGHT, MAIN TENANCE ENGINEER, THE BEARINGS INSTALLED WERE "SEALED BEARIN GS" AND ONLY REQUIRED INITIAL GREASE. PUT APPROXIMATELY 1 OZ OF GREASE "DOLIM-R" IN EACH END BELL. MAINTAINED ZONE I V HOUSEKEEPING. 2-26-91

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MEASURED FAN VIBRATION USING TRD 820 VP 2-1446 CAL DUE 7-4-9 1 PER PROCEDURE 25210-C. AXIAL MEASURED 0.82 IN/SEC VERTICA L V. MEASURED 0.58 IN/SEC AND 1/2 MEASURED 0.39 IN/SEC. MA I NTAINED ZONE IV HOUSEKEEPING. 2-27-91  
ATTEMPTED TO BALANCE FAN BY PLACING ADDITIONAL WEIGHT IN SET SCREEN HOLES OF FAN. WITH NO SUCCESS. UNABLE TO LOCATE WEIGH T MATERIAL ADEQUATE TO USE ON THE FOUR (4) BLADED FAN. ALL WEIGHTS REMOVED FROM FAN AT COMPLETION OF BALANCE ATTEMPTS. MAINTAINED ZONE IV HOUSEKEEPING. 2-27-91  
REMOVED AFTER COOLER FAN SHROUD AND MARKED BLADES. DID NOT Y AKE VIBRATION READINGS AT THIS TIME REINSTALLED SHROUD BOLTS SHAW TIGHT. ZONE IV HOUSEKEEPING MAINTAINED. 2-28-91  
TOOK INITIAL VIBRATION AND PHASE ANGLE READINGS AS FOLLOW:  
OUTBOARD V 4.4 320 DEGREES  
H 8.5 225 "  
A 18.2 150 "  
V 5.2 135 "  
H 2.7 150 "  
WE THEN ADDED 1/2 OUNCE TO FAN BLADE 01 AND GOT THESE READIN GS:  
OUTBOARD V 4.2 270 DEGREES  
H 8.4 90 "  
A 6.8 90 "  
V 1.2 80 "  
H 1.5 180 "  
WE THEN MOVED THE WEIGHT TO BLADE 02  
OUTBOARD V 18.2 270 DEGREES  
H 3.8 110 "  
A 20.8 115 "  
INBOARD V 4.2 90 DEGREES  
H 4.4 135 "  
WE THEN MOVED THE WEIGHT TO BLADE 03  
OUTBOARD V 14.8 335 DEGREES  
H 2.2 220 "  
A 27.8 140 "  
INBOARD V 7.4 135 "  
H 5.8 180 "  
WE THEN MOVE THE WEIGHT TO BLADE 04  
OUTBOARD V 7.2 15 DEGREES  
H 1.7 315 "  
A 13 225 "  
INBOARD V 6.2 180 "  
WE THEN REMOVED THE WEIGHT AND REINSTALLED THE FAN GUARD. MAINT. ENG WAS GIVEN A COPIE OF OUR READINGS TO DETERMINE CO ORRECT ACTION TO BE TAKEN. ZONE IV HOUSEKEEPING WAS MAINTAIN E D CDD 3/1/91 IRD 350 VP-2-1445 CDD 4/19/91 WAS USED TO TAKE ALL READINGS. THE WEIGHT WAS HELD ON THE BLADES WITH A 16" LONG PIECE OF READ TAPE. IT WAS POSITIONED 3" FROM C/L ON FAN BLADE. CHECK AXIAL END PLAY ON THE MOTOR WITH 1" DIAL INDICATOR VP-3-2200 CDD 7/22/91 END PLAY WAS .078 CDNC 3/1/ 91  
DETERMINATED WRT. LEADS (2-2403-G4-001-W00) FROM FIELD CABLE - REMOVED WRT. BASE BOLTS. REMOVED UPPER SECTION OF FAN PR OTECTION COVER. REMOVED WRT. TERMINATION BOX FROM MOTOR. R EMOVED MOTOR AND FAN BLADE. SAME TAKEN TO MAINT. SHOP TO BE

TAG NUMBER RWO NUMBER DISC RESP FORE STATUS CLOSED ACT END LOADED NEW RWO

DISASSEMBLED AND CHECKED FOR PROPER BEARINGS AND BEARING PLACEMENT. MOTOR AND FAN BLADE LOCATED IN STORAGE CABINET #3 ON MEZZ. ALL LIPIED LEADS DOCUMENT 20429-C DATA SHEET. MAINTAINED ZONE IV HOUSEKEEPING DISASSEMBLED MOTOR, IN BOARD, & INSTALLED.

DETERMINATION HAS TO BE MADE TO VERIFY CORRECT BEARINGS AND TO DETERMINE IF THRUST WASHERS ARE NEEDED OR USED.

NOTE: FOR INFORMATION UNIT #2 B TRAIN MOTOR "2-2483-04-00 2-M09" WAS CHECKED FOR THRUST MOVEMENT. NO SIGNIFICANT MOVEMENT VISIBLE. ABOVE CHECK AUTHORIZED PER FOREMAN (MUM) AND UNIT #2 SS (STEPHENS). RE-ASSEMBLED MOTOR. THAT WAS DISASSEMBLED, LOCATED IN STORAGE CABINET #3 MEZZ.

LOCATED AND CLEANED HISsing THRUST WASHER AND INSTALLED IN MOTOR BEARING HOUSING OUTBOARD END. REASSEMBLED MOTOR AND INSTALLED MOTOR & FAN AND DETERMINATED AND INSTALLED UPPER FAN SHROUD. PERFORMED FUNCTIONAL TEST. MOTOR VIBRATED EXCESSIVELY. FOREMAN DICK LASSITER DETERMINED FAN BLADE WAS REVERSED FROM 1-30-90 CAUSING ORIGINAL PROBLEM. RWO 3/2/91 TURNED FAN BLADE OVER AND RESTARTED MOTOR AND TOOK VIBRATIONS IN VELOCITY AND RECORDED ON DATA SHEET MAINTAINED ZONE IV HOUSEKEEPING USED 180020 VP-2-1466 CDR 7/4/91. RWO 3/2/91

2240304001K02 2900361 ICPN RWO F 02/22/90 02/17/90 02/08/90

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

PERFORMED PH CHECKLIST SCL00166 ON 2240304001K01 AND 2240304001K02. TOOK THE FOLLOWING DEWPOINT MEASUREMENTS: (COMPENSATED) 2240304001K01- 49 DEGREES F AND 2240304001K02- 44 DEGREES F. RATE USED RP-2466 CAL DUE 3/7/90. MAINTAINED ZONE IV CLEANLINESS. VERIFIED ZONE IV CLEANLINESS.

2240304001K02 2900666 ICPN RWO F 03/17/90 03/15/90 02/03/90

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED

PERFORMED PH USING CHECKLIST 166. MAINTAINED ZONE IV CLEANLINESS AIR DRYER #1 WAS 32 DEGREES F. AIR DRYER #2 WAS 35 DEGREES F.

2240304001K02 2900964 ICPN RWO F 04/20/90 04/14/90 03/30/90

WORK REQUESTED  
PERFORM FOLLOWING P M

1 MO. - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK

WORK PERFORMED

CLEANED CONDENSING UNITS ON 2240304001K02 AND 2240304001K01. THE DEW

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POINT MEASUREMENTS WERE NOT PERFORMED AT THIS TIME. (PH 2900066) MAINTAINED ZONE IV CLEANLINESS. BR 4-6-90 (CLEANED UNITS PER PH CHECKLIST SCL00166). RICKEY A HARGROVE 4-6-90 4 HOURS.

PH A

CHECKED DEWPOINTS WITH 3 DIFFERENT UNITS:  
A TRN. R01: 1) 60.8 2) 70.1 3) 75.0 = 85C DP WITH ALMOR 7200  
R02: 1) 72.8 2) 69.0 = 22F = 95F DP WITH ALMOR 7200  
MAINTAINED ZONE 4 CLEANLINESS.

CHECKED DEWPOINTS AGAIN WITH A DIFFERENT SENSOR AND THE SAME DIESEL GEN 2A WITH F53529 & VP114  
F53529 CAL DUE 10-25-90  
MAINTAINED ZONE 4 CLEANLINESS NL 4-8-90  
F53529 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED FOR INFORMATION ONLY. IT HAS NO OFFICIAL SITE CAL.  
CHECKED DEW POINTS ON DIESEL GEN 2A WITH F53529 2 BC DR 49 & VP114 AT 61.6F ON R02. VP-114 CAL DUE 8-3-90 & F53529 CAL DUE 10-25-90. F53529 HAS NO OFFICIAL SITE CAL USED FOR INFORMATION ONLY. MAINTAINED ZONE IV CLEANLINESS. RR 4-9-90  
CHECKED DEW POINTS ON DIESEL GEN 2A  
VP114 DUE 8-3-90 F53529 (NO SITE CAL)

R01	69.8F	16.9C (61.5F)
R02	64.1F	10.5 (58.9F)

R01 - TEST EQUIPMENT WAS ALLOWED TO STABLE FOR 50 MINUTES.  
R02 - TEST EQUIPMENT FLUCTUATED FROM 8.3C TO 23.3C FOR 1 HOUR DURING WHICH DEW POINT INDICATION FELL TO 9.4C AND THEN STABILIZED AT 10.5C.

REMOVED TEST EQUIP, MAINTAINED ZONE IV CLEANLINESS  
NOTE: EXIT FANS HAVE RUN FOR ENTIRE TEST TIME.  
CHECKED DEW POINT ON DIESEL GEN. A  
VP114 (CAL 8-3-90) F53529 (NO SITE CAL)

R02	62.6F	12.3C (54.1F)
R01	57.9F	14.8C (57.2F)

R01 - DEW POINT WAS TAKEN AFTER OPS BLED PRESSURE DOWN ON ASSOCIATED RECEIVER TANK AND ALLOW COMPRESSOR TO RUN (APPROX 2 HRS).

TEST EQUIPMENT REMOVED FROM R01; MAINTAINED ZONE IV CLEANLINESS.

THE FOLLOWING DEWPOINT READINGS WERE TAKEN ON THE AIR DRYERS  
2240304001K01 - 43.0F  
2240304001K02 - 47.3F  
THE READINGS WERE TAKEN USING EG & G VP-114 CAL DUE 8-3-90  
MAINTAINED ZONE IV CLEANLINESS. DR 4-14-90

2240304001K02 2900135 VOID RWO F 04/09/90 00/00/00 04/09/90

WORK REQUESTED

HIGH AIR TEMPERATURE ALARM IN ON BOTH AIR DRYERS FOR 2A DIESEL GENERATOR AIR COMPRESSORS.  
WRITE 02485  
LOCATION: 2408

WORK PERFORMED

VOID LIGHT WILL ILLUMINATE FOR 15 MIN. FOLLOWING STARTUP. LIGHT VERIFY

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TAG NUMBER MWO NUMBER DISC RESP FORM STATUS CLOSED ACT END LOADED NEW MWO  
\*\*\*\*\*

22483G4801K02 29001299 ICPM MWO F 05/16/90 05/12/90 04/25/90  
IED OFF NOW, REN STOKES 4/8/90,  
WALKDOWN PERFORMED R. ROSE 4/9/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - A TRAIN - D.G. AIR RECEIVERS K01/K02 DEWPOINT CHECK.

WORK PERFORMED  
PERFORMED PH CHECKLIST ON AIR START DRYER 822483G4801K01. DEWPOINT BY  
ADING 45 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE IV  
CLEANLINESS.  
PERFORMED PH CHECKLIST ON AIR START DRYER 822483G4801K02. DEWPOINT BY  
ADING 43 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE IV  
CLEANLINESS.

22483G4801K02 29001786 ICPM MWO F 06/21/90 06/07/90 05/21/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - A TRAIN - D.G. AIR START DRYER DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
AFTER SIGNING ON FOLLOWED SPECIAL INSTRUCTIONS PER SC100166. DEWPOINT  
WAS +6.4 DEG F FOR 22483G4801K01 AND +6.3 DEG F FOR 22483G4801K02. TEST  
TER USED WAS VP1114 CAL DUE DATE 8-3-90. MAINTAINED ZONE IV CLEANLINESS  
3.  
NO WORK PERFORMED TODAY 6-6-90  
AFTER SIGNING PACKAGE ON RECHECKED DEWPOINT USING BOOJ VALVES 22483K02  
18 FOR 22483G4801K01 AND FOUND DEWPOINT AT 40.5 DEG F AND 22483K012  
FOR 22483G4801K02 AND FOUND DEWPOINT AT 44.3 DEG F. THESE NO  
OT VALVES WERE DETERMINED TO REPRESENT A MORE CONSISTENT NO1  
STER READINGS. MAINTAINED ZONE IV CLEANLINESS. TEST EQ USED V01  
P-1114 CAL DUE DATE 8-3-90.

22483G4801K02 29002503 ICPM MWO F 07/06/90 07/03/90 06/26/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - A TRAIN - D.G. AIR START DRYER DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED PH CHECKLIST ON 22483G4801K01, AND 22483G4801K02, FOUND THE  
DEWPOINT FOR 22483G4801K01 AT 46.2 DEGREES F AND 37.3 DEGREES F FOR 22  
483G4801K02. USED VP-1114 DUE 8-3-90. MAINTAINED ZONE IV CLEANLINESS

22483G4801K02 29003203 ICPM MWO F 08/13/90 08/10/90 07/19/90

REPORT NO. 01  
REPORT NAME: MWO-004

DEV42351 A DISK VERSION - V.E.G.P.  
NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
WORK ORDERS BY TAG NO

TAG NUMBER MWO NUMBER DISC RESP FORM STATUS CLOSED ACT END LOADED NEW MWO  
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WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - A TRAIN - D.G. AIR START DRYER DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED PH ON 'A' TRAIN DRYER PER CHECKLIST SC100166 VP1114 CAL DUE  
9-3-90. DEW POINT FOR DRYER #1 = 35.7 DEGREES F, #2 = 44.5 DEGREES F  
(#2 FAILED) NOTIFIED S.S. AND FOREMAN OF HIGH DEWPOINT OPERATIONS BLEW  
DOWN RECEIVER PERFORMED ANOTHER DEWPOINT CHECK. CHECK FAILED AGAIN.  
WRT 10413 WRITTEN TO INVESTIGATE DRYER PROBLEM. NOTIFIED SS & FOREMAN

22483G4801K02 29003609 FLOP MWO F 11/08/90 09/02/90 08/14/90

WORK REQUESTED  
DRYER FAILED DEW POINT TEST DRYER APPEARS TO BE INOPERABLE.  
NOTE: DRYER WAS NOT RUNNING  
PH MWO 22483245  
LOCATION: UNIT 11 BGA  
MWO "M"

WORK PERFORMED  
INVESTIGATED PROBLEM. FOUND NO POWER ON DRYER CONTROL CIRCUIT. CONTROL  
POWER FUSE BLOWN. (BUSBANK, ENCL 6/3R FUSEIRON DUAL ELEMENT FUSE).  
MAINTAINED ZONE IV HOUSEKEEPING.  
FOUND LOOSE CONNECTION FOR CONTROL POWER ON CIRC DRYER. TIGHTENED CON  
NECTION AND HAD OPS TURN POWER ON FUSE DID NOT BLOW. HEATER NEEDS TO  
BE ON FOR 24 HRS BEFORE AIR DRYER IS RUN. 4 HR. 8-31-90  
HAD OPS START AIR DRYER AND MONITORED FOR 1 HR. DRYER APPEARED TO BE  
OPERATING CORRECTLY BUT HIGH TEMP ALARM WOULD NOT GO OUT (AFTER 15 MIN  
LIGHT SHOULD EXTINGUISH.) TEMP. GAUGES WERE APPROX 80 DEGREES F IN  
AND "OUT" PRESS GAUGES WERE APPROX 150 LBS. CHECKED SIGHT  
GLASS. NO BUBBLES FOUND. COMPRESSOR RUNNING. RELIEVED SOME  
CONDENSATE AND LOW PRESS SIDE REFRIGERANT FELT COOL BUT NOT  
COLD--(NO TEMP DATA FOR REF FOUND IN MANUAL) OPS REQUESTED  
ENG. EVAL BEFORE STARTING COMPRESSOR TO CIRCULATE AIR.  
MAINTAINED ZONE IV HOUSEKEEPING. RCD 9-1-90  
HAD OPS TO START AIR START COMPRESSOR AND HI TEMP ALARM  
EXTINGUISHED AT APPROX 155 PSI. MONITORED FOR 45 MIN TO  
VERIFY OPERATION. ALL READINGS WERE NORMAL AND OUTLET AIR  
PIPE WAS COOL. RCD 9-1-90  
DEW POINT WAS VERY SAT UNDER MWO 29004850. J MARK SALTER  
11/4/90

22483G4801K02 29003648 ICPM MWO F 08/31/90 08/26/90 08/15/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - A TRAIN - D.G. AIR START DRYER DEWPOINT CHECK  
CHECKLIST: SC100166 R2  
REF MWO: 29002503

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page  
of

WORK ORDERS BY TAG NO

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
22483G4001K02	29004070	ICPM	MWO	F	10/07/90	10/05/90	09/13/90				
<p>PROCEDURE: N/A                      REF DMG: 1X408170-1 I, VN-494 L,                      DUE DATE ADJUSTED PER H R VAUGHT.</p> <p>WORK PERFORMED                      PERFORMED PM USING CHECKLIST 166. THE READINGS WERE SATISFACTORY.                      802-28.9 DEGREES F. 802-41.1 DEGREES F. MAINTAIN ZONE IV CLEANLINESS.</p>											
<p>WORK REQUESTED                      PERFORM FOLLOWING P M                      1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK                      CHECKLIST: SCL00166 R2                      REF PMWO: 29002503                      PROCEDURE: N/A                      REF DMG: 1X408170-1 I, VN-494 L,                      DUE DATE ADJUSTED PER H R VAUGHT.</p>											
<p>WORK PERFORMED                      PERFORMED PM PER SCL00166 FOLLOWING VN-494. AIR START DRYER #1 READ 76.1 DEGREES F &amp; AIR START DRYER #2 READ 84.3 DEGREES F. OPERATIONS WAS INFORMED &amp; BLOWDOWN AND/OR CORRECTIVE ACTION IS TO BE TAKEN MAINTAINED ZONE IV CLEANLINESS. NO PROCEDURES USED. 10-4-90                      PERFORMED PM PER SCL00166 FOR 22403G4001K01 AND 22403G4001K02, DEW POINT WAS 98.1 DEGREES F AND 98.7 DEGREES F RESPECTIVELY. MAINTAINED ZONE IV CLEANLINESS. DHA 10-5-90</p>											
22483G4001K02	29004050	ICPM	MWO	F	10/27/90	10/27/90	10/11/90				
<p>WORK REQUESTED                      PERFORM FOLLOWING P M                      1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK                      CHECKLIST: SCL00166 R2                      REF PMWO: 29002503                      PROCEDURE: N/A                      REF DMG: 1X408170-1 I, VN-494 L,                      DUE DATE ADJUSTED PER H R VAUGHT.</p>											
<p>WORK PERFORMED                      PERFORMED CHECKLIST PER MWO DEW POINTS ARE AS FOLLOWS                      22483G4001K01 DP 44.1                      22483G4001K02 DP 46.9 M &amp; TE VP1296 CAL DUE 8-17-91. READING ACCEPTABLE. MAINTAINED ZONE IV CLEANLINESS.</p>											
22483G4001K02	29005297	ICPM	MWO	F	11/28/90	11/20/90	11/08/90				
<p>WORK REQUESTED                      PERFORM FOLLOWING P M                      1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK                      CHECKLIST: SCL00166 R2                      REF PMWO: 29002503</p>											

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REPORT NO. 01  
 REPORT NAME: MWO-804  
 GEV42351 A DISK VERSION - V.E.G.P.  
 NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
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WORK ORDERS BY TAG NO

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
22483G4001K02	29005471	ICPM	MWO	F	01/02/91	12/21/90	12/06/90				
<p>PROCEDURE: N/A                      REF DMG: 2X408170-1 I, VN-494 L,                      DUE DATE ADJUSTED PER H R VAUGHT.</p> <p>WORK PERFORMED                      PERFORMED CHECK OF DG AIR START DRYERS DEWPOINT PER SCL00166. FOUND DEWPOINT FOR 22403G4001K01 AT 48.5 F WHICH IS WITHIN THE ACCEPTABLE LIMITS OF SCL00166. FOUND DEWPOINT FOR 22483G4002 AT 46.6 F WHICH IS WITHIN THE ACCEPTABLE LIMITS OF SCL00166. USED VP-1296 CAL DUE 8-17-91 FOR DEWPOINT READINGS. MAINTAINED ZONE IV CLEANLINESS.</p>											
<p>WORK REQUESTED                      PERFORM FOLLOWING P M                      1 MO - A TRAIN - D. G. AIR START DRYER DEWPOINT CHECK                      CHECKLIST: SCL00166 R2                      REF PMWO: 29005297                      PROCEDURE: N/A                      REF DMG: 2X408170-1 I, VN-494 L,                      DUE DATE ADJUSTED PER H R VAUGHT.</p>											
<p>WORK PERFORMED                      PERFORMED DEWPOINT CHECK ON "A" TRAIN AIR START DRYERS PER SCL-00166. MAINTAINED A ZONE IV CLEANLINESS.</p>											
22483G4002K01	28901855	ELPM	MWO	F	03/18/89	03/13/89	03/02/89				
<p>WORK REQUESTED                      PERFORM FOLLOWING PM</p> <p>WORK PERFORMED                      PERFORMED PM 28901855 ON 2-2403-G4-001-K01 AND K02. DEW POINT TAKEN WITH HUMIDITY ANALYZER VP-1114 CAL 5/2/89. DEW POINT FOR 2-2403-G4-001-K01 READ 45.4. K02 - 47.7. CONDENSING UNIT CLEANED WITH VACUUM CLEANER WITH FAN STOPPED. AF 3/13/89                      BLK 5: 22403G4002K01 AND K02 HAVE BEEN DELETED FROM THIS MW 0 AND ARE BEING WORKED UNDER MWO 28902000 PER INSTRUCTIONS OF LETTER FROM MANAGEMENT CONCERNING MWO'S WITH "A" TRAIN AND "E" TRAIN. WDS 3-14-89</p>											
22483G4002K01	28927000	ELPM	MWO	F	03/21/89	03/14/89	03/10/89				
<p>WORK REQUESTED                      PERFORM PM CHECKLIST SCL00166 E 001H.</p> <p>WORK PERFORMED                      CLEANED CONDENSING UNITS 2-2403-G4-002-K01 AND 2-2403-G4-002-K02.</p>											



TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
<p>USED VP-1114 TO MEASURE DEW POINT (DD 5-2-89) 2-2483-04-002-K01            READ 40.8, 2-2403-04-002-K02 READ 43.2. MAINTAINED ZONE IV HOUSEKEEP-            ING.</p> <p>BLOCK 52: METHOD OF FUNCTIONAL TEST: SYSTEM ENGINEER TO VERIFY THAT            DEWPOINT READINGS ARE WITHIN ACCEPTABLE RANGE - JCP 3-16-89</p>											
Z240304002K01	28902500	ELPH	MWO	F			04/19/89	04/17/89	03/29/89		
<p>WORK REQUESTED            PERFORM FOLLOWING PH</p> <p>WORK PERFORMED            PERFORMED P.M. ON AIR DRIERS PH A-TRAIN, M&amp;PL 02-2403-04-001-K01 AND K            02. THE CONDENSERS ON EACH UNIT WERE CLEANED USING COMPRESSED AIR AND            THE DEWPOINT ON EACH UNIT WAS TAKEN AND THE RESULTS ARE: K01 WAS 50.2            DEGREES F WHILE K02 WAS 50.8 DEGREES F. THE MATE EQUIPMENT USED WAS TH            E MODEL 911 DEW ANALYZER VP-1114 CAL DUE 5-2-89. THE WORK WAS COMPLETE            D AND ZONE IV CLEANLINESS WAS MAINTAINED. DEC 4-17-89</p>											
Z240304002K01	28903077	VOID	MWO	F			06/12/89	00/00/00	04/26/89		
<p>WORK REQUESTED            PERFORM FOLLOWING PH            *****VOID***** JPR 6/12/89</p> <p>WORK PERFORMED            VOID PH WORK TO BE PERFORMED ON MWO 28903059</p>											
Z240304002K01	28903241	VOID	MWO	F			06/27/89	00/00/00	05/02/89		
<p>WORK REQUESTED            PERFORM ATTACHED PH CHECKLIST ON D/G AIR START AIR DRYER            *****VOID SMP 6/26/89*****</p> <p>WORK PERFORMED            MWO 28903058 PERFORMED THIS WORK ON 6/19/89. PLEASE VOID            6/26/89</p>											
Z240304002K01	28903058	ICOP	MWO	F			06/22/89	06/20/89	06/02/89		
<p>WORK REQUESTED            PERFORM FOLLOWING PH</p> <p>WORK PERFORMED            PERFORMED PH SCL00160 EDDIM ON DRYERS Z240304002K01 AND Z240304002K02.            MEASURED DEWPOINT WAS: K01-35 DEG F; K02 36 DEG F. AS FOUND DATA ACCE            PTABLE MAINTAINED ZONE IV CLEANLINESS. NOTE: FANS IN AUTO - MCI RUMMI            NG. DEWPOINT ANALYZER VP-2722 DUE 9-2-89 LAST 9-2-89.</p>											
Z240304002K01	28904219	ICOP	MWO	F			07/19/89	07/16/89	06/29/89		

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 REPORT NAME: MWO-004  
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TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
<p>WORK REQUESTED            PERFORM FOLLOWING PH</p> <p>WORK PERFORMED            MEASURED DEW POINT ON Z240304002K01 AND Z240304002K02. DEW POINT ON            K01 WAS 44. DEW POINT ON K02 WAS 42. ACCEPTABLE DEWPOINT WAS 32 TO 50            BOTH DRYER DEW POINTS ARE ACCEPTABLE. MAINTAINED ZONE IV CLEANLINESS.</p>											
Z240304002K01	28904540	ELPH	MWO	F			08/25/89	08/22/89	07/27/89		
<p>WORK REQUESTED            PERFORM FOLLOWING PH</p> <p>WORK PERFORMED            OBTAINED PERMISSION FROM UNIT ONE 555 TO BEGIN WORK. CHECKED DEWPOINT            ON AIR DRYER Z240304002K01 IT WAS +30 DEG F. CHECKED DEWPOINT ON AIR            DRYER Z240304002K02 IT WAS +40 DEG F. MATE USED VP-2721 CAL DUE 9-2-8            9. MAINTAINED ZONE IV HOUSEKEEPING.            CLEANED CONDENSERS ON 2-2403-04-002 -K01, K02 AND RESTARTED FANS. MAINT            AINED ZONE IV CLEANLINESS.</p>											
Z240304002K01	28904904	ICPM	MWO	F			10/02/89	09/24/89	09/01/89		
<p>WORK REQUESTED            PERFORM FOLLOWING PH</p> <p>WORK PERFORMED            OBTAINED PERMISSION FROM UNIT ONE 555 TO BEGIN WORK. CHECKED DEW            POINT ON AIR DRYER Z240304002K01 IT WAS + 45 DEGREES F. CHECKED            DEW POINT ON AIR DRYER Z240304002K02 IT WAS +55 DEGREES F. M &amp; TE USE            D VP            CAL DUE. MAINTAINED ZONE IV HOUSEKEEPING.            ON 2-2403-04-002-K01 &amp; K02 CLEANED CONDENSING COIL &amp; HOUSING. ZONE IV            CLEANLINESS MAINTAINED.            MWO NEED TO BE ISSUED TO I&amp;C TO SIGNOFF STEP 4 OF CRIST PRO 2-2403-04            -002-K02 AND COMPLETE MATE IN BLOCK 27. ALL WORK APPROVED FOR EVENING            SHIFT ELECT. MAINT. CJI 9/23/89</p>											
Z240304002K01	28905174	MEPH					00/00/00	00/00/00	09/18/89		
<p>WORK REQUESTED            VOIDED BY SYSTEM - GENERATION ERROR</p> <p>WORK PERFORMED</p>											
Z240304002K01	28905175	MEPH					00/00/00	00/00/00	09/18/89		
<p>WORK REQUESTED            VOIDED BY SYSTEM - GENERATION ERROR</p> <p>WORK PERFORMED</p>											

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TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
2240304002K01	28905176	MEPH	R	00/00/00	00/00/00	09/18/89					
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
2240304002K01	28905177	MEPH	R	00/00/00	00/00/00	09/18/89					
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
2240304002K01	28905178	MEPH	R	00/00/00	00/00/00	09/18/89					
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
2240304002K01	28905179	MEPH	R	00/00/00	00/00/00	09/18/89					
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
2240304002K01	28905180	MEPH	R	00/00/00	00/00/00	09/18/89					
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
2240304002K01	28905181	MEPH	R	00/00/00	00/00/00	09/18/89					
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											
WORK PERFORMED											
2240304002K01	28905182	MEPH	R	00/00/00	00/00/00	09/18/89					
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR											

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TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
2240304002K01	28905435	ICPM	MWO	F	10/24/89	10/25/89	09/27/89				
WORK PERFORMED											
WORK REQUESTED PERFORM FOLLOWING PH											
WORK PERFORMED MEASURED DEWPOINT OF AIR 2240304002K01 AND 2240304002K02. RATE USED V P2466. CLEANED CONDENSING UNIT PER PH CHECKLIST. 2240304002K01 DEW PO INT - 41 DEGREES F. 2240304002K02 DEW POINT - 44 DEGREES F. VERIFIED ZONE IV CLEANLINESS WAS MAINTAINED.											
2240304002K01	28905790	ICPM	MWO	F	12/14/89	11/17/89	10/20/89				
WORK REQUESTED PERFORM FOLLOWING P R											
WORK PERFORMED PERFORMED PH CHECKLIST ON 2240304002K02, FOUND DEWPOINT READING AT -5 DEGREES F USING VP-2466 DUE CAL 3/7/90. MAINTAINED ZONE IV CLEANLINESS USING CORRECTION CHART IN VH-1149 THE -5 DEGREES F AT 62 PSIG CONVERTS TO 50 DEGREES F. PERFORMED PH CHECKLIST ON 2240304002K01. FOUND DEW POINT AT 22 DEGREES F USING VP-2466 DUE CAL 3/7/90. USING CORRECTION CHART FROM VH-1149 THE 22 DEGREES F AT 60 PSIG CONVERTS TO 17 DEGREES F. MAINTAINED ZONE IV CLEANLINESS DC 02-09-1502 RECHECKED DEWPOINT ON K01 AND FOUND DEWPOINT AT 34 DEG F USING VP-2466 CAL DUE 3-7-90.											
2240304002K01	28906193	ICPM	MWO	F	01/09/90	12/06/89	11/21/89				
WORK REQUESTED PERFORM FOLLOWING P R											
WORK PERFORMED PERFORMED PH CHECKLIST ON 2240304002K01 AND FOUND DEW POINT AT -23 DEGREES F USING VP-2466 CAL DUE 3/7/90. USING CORRECTION CHART IN VTC-1149 THE -23 DEGREES F AT 60 PSIG CONVERTS TO +7 DEGREES F. PERFORMED PH CHECKLIST ON 2240304002K02 AND FOUND DEWPOINT AT -12 DEGREES F USING VP-2466 CAL DUE 3/7/90. USING CORRECTION CHART IN DEGREE F TO F1 USING VP-2466 CAL DUE 3/7/90. USING CORRECTION CHART IN VH-1149 THE -12 DEGREES F AT 60 PSIG CONVERTS TO +19 DEGREES F. MAINTAINED ZONE IV HOUSEKEEPING. READINGS TAKEN ON 12/5/89 WERE CONVERTED IMPROPERLY FROM INDICATED DEWPOINT AT SYSTEM PRESSURE. ON 1-5-90 PH WAS PERFORMED PER 28906505 AND WAS SATISFACTORY. ON 1-5-90 SYSTEM PRESSURE WAS APPROX 200 PSIG. READINGS TAKEN ON 12-5-89 CONVERTED TO 200 PSIG (APPROX) SAME READING FROM VH-1149 ACCEPTABLE. 2240304002K01 = +35 DEG F VERSUS +7 DEG F 2240304002K02 = +58 DEG F VERSUS +19 DEG F											

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
2240304002K01	28906585	ICPH	MWO	F	01/10/90	01/03/90	12/18/89				

WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
PERFORMED PH CHECKLIST SCL00166 ON 2240304002K02. OBTAINED DEWPOINT OF -15 DEGREES F WHICH CONVERT TO 49 DEGREES F WITH PRESSURE AT 225 PSIG. CONDENSING UNIT IS CLEAN. PERFORMED PH CHECKLIST SCL00166 ON 2240304002K01. OBTAINED DEWPOINT OF -18 DEGREES F WHICH CONVERTS TO 48 DEGREES F WITH A PRESSURE OF 236 PSIG. CONDENSING UNIT IS CLEAN. MAINTAIN ZONE IV CLEANLINESS. USED VP-2466 CAL DUE 3-7-90 AND VP-2623 CAL DUE 3-6-90

2240304002K01	29000145	ICPH	MWO	F	02/08/90	02/03/90	01/18/90				
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WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
PERFORMED DIESEL GENERATOR AIR START DRYER MAINTENANCE ON TAG#S 2-2403-04-002K02 AND 2-2403-04-002K01. FOUND PROBLEM OF RELATIVE HUMIDITY ON BOTH AIR DRYERS AT 45 DEGREES F. AND CLEANED CONDENSING UNITS. MAINTAINED ZONE IV CLEANLINESS. DAB 2-2-90

2240304002K01	29000560	ENPH	MWO	F	03/06/90	03/02/90	02/15/90				
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WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
PERFORMED PH CHECKLIST SCL00166 ON 2240304002K01 SAT. FOUND DEWPOINT AT 34 DEGREES F. PERFORMED PH CHECKLIST SCL00166 ON 2240304002K02 SAT. FOUND DEWPOINT AT 36 DEGREES F. REF. VN-1149. MAINTAINED ZONE IV CLEANLINESS. 3/2/90 ALH02700V VP-2466 CAL DUE 030290.

2240304002K01	29000813	ICPH	MWO	F	04/05/90	04/02/90	03/16/90				
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WORK REQUESTED  
PERFORM FOLLOWING P M

WORK PERFORMED  
DEWPOINT FOR 2240304002K01 WAS 41 DEG F. DEWPOINT FOR 2240304002K02 WAS 44 DEG F. PERFORMED ATTACHED CHECKLIST SCL00166. MAINTAINED ZONE IV CLEANLINESS

2240304002K01	29001021	ICPH	MWO	F	04/15/90	04/13/90	04/06/90				
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WORK REQUESTED

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
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PERFORM FOLLOWING P M  
MONTHLY - B TRAIN - D. G. AIR DRYER DEWPOINT CHECK

WORK PERFORMED  
CLEANED THE CONDENSING UNIT ON 2240304002K01 AND 2240304002K02 AS PER PH CHECKLIST SCL00166. THE DEW POINT READINGS WERE NOT TAKEN AT THIS TIME. MAINTAINED ZONE IV CLEANLINESS.  
CHECKED DEWPOINTS WITH 3 DIFFERENT UNITS;  
B TRN:

K01: 1. .61 AT 75 DEG = -5 DEG F = 75 DEG F DP WITH ALH0R 7200 VP-2466 CAL DUE 4-7-90

2. .57 AT 77 DEG = -55 DEG F = -18 DEG F DP WITH ALH0R 7000 GE RETINAL SER# 24901.

3. 16.1 = 85 DEG F DP WITH DG & G VP1114 CAL DUE 8-3-90

K02: 1. .64 AT 75 DEG F = 18 DEG F = 88 DEG F DP WITH ALH0R 7200 VP2466 CAL DUE 4-7-90

2. .61 AT 75 DEG = -45 DEG F = 18 DEG F DP WITH ALH0R 7000 GE RETINAL SER# 24901

3. 14.8 = 88 DEG F DP WITH EG & G VP1114 CAL DUE 8-3-90.

MAINTAINED ZONE 4 CLEANLINESS.

CHECKED DEWPOINTS AGAIN WITH 2 DIFFERENT EG & G ALL MW ALLS

DIESEL GEN 28 WITH F5529 AND VP1114

K01 39.5 DEG F 33.7 DEG F

K02 45.2 DEG F 44.8 DEG F

VP1114 CAL DUE 8-3-90 F5529 CAL DUE 10-25-90

MAINTAINED ZONE 4 CLEANLINESS.

F5529 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED FOR INFORMATION ONLY. IT HAS NO OFFICIAL SITE CAL.

CHECKED DEWPOINT AT DIESEL GEN 28

K01 39.8 DEG F 2.9 DEG C (36.3 DEG F)

K02 45.2 DEG F 4.6 DEG C (40.3 DEG F)

TEST EQUIPMENT WAS ALLOWED TO STABILIZE FOR 30 MINS TEST EQU

IP REMOVED. MAINTAINED ZONE IV CLEANLINESS.

NOTE: EXH FANS HAVE RUN FOR ENTIRE TEST TIME.

2240304002K01	29001196	ICPH	MWO	F	05/16/90	05/14/90	04/19/90				
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WORK REQUESTED  
PERFORM FOLLOWING P M  
MONTHLY - B TRAIN - D. G. RECEIVERS K01/K02 DEWPOINT CHECK

WORK PERFORMED  
PERFORMED PH CHECKLIST ON AIR START DRYER 02240304002K01. DEWPOINT READING 43 DEGREES F. USED VP-2721 CAL DUE 4-18-91. MAINTAINED ZONE IV CLEANLINESS.  
PERFORMED PH CHECKLIST ON AIR START DRYER 02240304002K02. DEWPOINT READING 45 DEGREES F. USED VP-2721 CAL DUE 4-18-91. MAINTAINED ZONE IV CLEANLINESS.

2240304002K01	29002193	ICPH	MWO	F	06/27/90	06/22/90	06/05/90				
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WORK REQUESTED  
PERFORM FOLLOWING P M

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TAC NUMBER RWD NUMBER DISC

RESP FORM STATUS CLOSED ACT END LOADED NEW RWD  
MONTHLY - 8 TRAIN - D.C. AIR DRYER DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED PM PER SCL00166 AIR DRYER #1-52.7 DEGREES F AIR DRYER #2-  
34 DEGREES F. MAINTAINED ZONE IV CLEANLINESS VP-1114 CAL DUE 8-1-90  
PR 8-27-90

2248304002K01 29002891 ICPH RWD F 07/26/90 07/21/90 07/05/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - 8 TRAIN - D.C. AIR DRYER #01, #02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED PM CHECKLIST ON 2248304002K01 AND FOUND DEWPOINT AT 52.7 DEG  
REES F. PERFORMED PM CHECKLIST ON 2248304002K02 AND FOUND DEWPOINT AT  
49.5 DEGREES F. USED DENALL MODEL 911 VP-1114 CAL DUE 8-3-9 FOR MEAS  
UREMENTS. MAINTAINED ZONE IV CLEANLINESS.

2248304002K01 29003446 ICPH RWD F 08/23/90 08/14/90 08/01/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - 8 TRAIN - D.C. AIR DRYER, #01, #02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED PM ON DRYERS PER CHECKLIST SCL00166 VP1114 C/D 9-3-90 USED F  
DR TEST EQUIPMENT. #01 = 50.7 DEGREES F #02 = 45.3 DEGREES F. DRYERS  
IN SERVICE. ZONE IV HOUSEKEEPING MAINTAINED.

2248304002K01 29003066 ICPH RWD F 09/12/90 09/12/90 08/29/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - 8 TRAIN - D.C. AIR DRYER, #01, #02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
CLEANED CONDENSING UNITS FOR #01 & #02. RESTARTED BOTH FAN MOTORS. #1  
MEASURED DEW POINT FOR #01 WAS 42.6 DEGREES F. MEASURED DEW POINT FOR  
#02 WAS 47.8 DEGREES F. RETURNED UNITS TO SERVICE. MAINTAINED  
ZONE IV CLEANLINESS VP-1296 DUE 8-17-91.

2248304002K01 29004432 ICPH RWD F 10/15/90 10/11/90 09/27/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - 8 TRAIN - D.C. AIR DRYER, #01, #02 DEWPOINT CHECK

TAC NUMBER RWD NUMBER DISC

RESP FORM STATUS CLOSED ACT END LOADED NEW RWD  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED SCL00166 FOR 2248304002K01 WITH REFERENCE TO V-M-494. DEW PO  
INT WAS 43.7 DEG F. MAINTAINED ZONE IV CLEANLINESS 10-07-90  
DEW POINT FOR 2248304002K01 WAS 75.8 DEG F. INFORMED OPERATIONS THAT #  
18 RECEIVER #1 HELDS TO BE BLOWN DOWN. 10-07-90. PERFORMED SCL00166 FO  
R 2248304002K01. DEW POINT WAS 78.4 DEG F. INFORMED OPERATIONS AIR REC  
FIVER #1 HELDS TO BE BLOWN DOWN. NO OTHER WORK PERFORMED. MAINTAINED ZO  
NE IV CLEANLINESS 10-8-90

2248304002K01 29004839 HCPH RWD F 10/28/90 10/26/90 10/18/90

WORK REQUESTED  
DEW POINT READINGS WERE HIGHER THAN ALLOWED BY ACCEPTANCE CRITERIA  
DR PM 22005532  
LOCATION: UNIT #2 DC 28 AIR COMP NO 1  
MPOD "H"

WORK PERFORMED  
READ DEW POINT USING AN EG60 PER REF V-M-494 AND SCL00166. DEW POINT R  
FAS 58.9 DEGREES F. MAINTAINED ZONE IV CLEANLINESS. DEW I/C 10-24-9  
ROLLING TO ELOP PER BLK 23  
DEWPOINT 58.9 DEGREES F EG60 911 VP 1296 C/D 8/17/91 PER VMA94 AND SC  
00166. ZONE MAINTAINED

2248304002K01 29005015 ICPH RWD F 11/09/90 11/05/90 10/24/90

WORK REQUESTED  
PERFORM FOLLOWING P M  
1 NO - 8 TRAIN - D.C. AIR DRYER, #01, #02 DEWPOINT CHECK  
DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
PERFORMED DEW POINT CHECK ON 2248304002K01 PER SCL00166. DEW POINT WA  
S 48.8 DEG F ON EG 4 VP1296 CAL DUE 8-17-91. PERFORMED DEW POINT  
CHECK ON 2248304002K02 PER SCL00166. DEW POINT WAS 49.5 DEG F ON EG 8  
& VP1296 CAL DUE 8-17-91. MAINTAINED ZONE IV CLEANLINESS.

2248304002K01 29005441 ICPH RWD F 12/10/90 12/04/90 11/19/90

Exhibit page of

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
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WORK REQUESTED  
PERFORM FOLLOWING P.M.  
1 MO - B TRAIN - D/G AIR DRYER, K01, K02 DEWPOINT CHECK  
CHECKLIST: SCL00166 R3  
REF PWMO: 29005015  
PROCEDURE: N/A  
REF DWG:

WORK PERFORMED  
FOLLOWING SPECIAL INSTRUCTIONS ON SCL00166 AND MEASURED DEWPOINT FOR Z  
2403G4002K01 TO BE AT 99.0 DEG F, TESTED WITH VP-1296 CAL DUE DATE 8-1  
7-91. MAINTAINED ZONE 4 CLEANLINESS. 12-3-90  
FOLLOWING SPECIAL INSTRUCTIONS ON SCL00166 AND MEASURED DEWPOINT FOR Z  
2403G4002K01 TO BE 44.5 DEG F WITH VP1296 CAL DUE DATE 8-17-91. MAINTA  
INED ZONE 4 CLEANLINESS. BOTH UNITS SHOWING CURRENT PLANT CONDITIONS.  
12-4-90  
AFTER INFORMING KEN STOKES THAT 2403G4002K01 WAS READING CI  
OSE TO THE HIGH ACCEPTABLE LIMIT AND DEWPOINT 49.8 DEG F (HI  
GH LIMIT 50 DEG F). HE SAID HE WOULD CHECK THE REFRIGERATION  
SUCTION PRESSURE TO INSURE SYSTEM IS WORKING PROPERLY AND  
SAID THAT WITH DEWPOINT READING WITHIN ACCEPTABLE LIMIT THAT  
NO FURTHER ACTION WAS NEEDED AT THIS TIME. 11-4-90

22403G4002K01	29005798	ICPH	MWO	F	01/04/91	12/31/90	12/20/90				
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WORK REQUESTED  
PERFORM FOLLOWING P.M.  
1 MO - B TRAIN - D/G AIR DRYER, K01, K02 DEWPOINT CHECK  
CHECKLIST: SCL00166 R  
REF PWMO: 29005441  
PROCEDURE: N/A  
REF DWG:

WORK PERFORMED  
PERFORMED SCL0166 NO PROBLEMS FOUND K01 DEWPOINT 42.8 DEG F AND K02 DE  
WPOINT 45.1 DEG F. MAINTAINED ZONE IV CLEANLINESS. VP-1296 CAL DUE 8-1  
7-91

22403G4002K02	28901855	ELPH	MWO	F	05/18/89	**15/89	03/02/89				
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WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
PERFORMED PM 28901855 ON 2-2403-G4-001-K01 AND K02. DEW POINT TAKEN  
WITH HUMIDITY ANALYZER VP-1114 CAL 5/2/89. DEW POINT FOR 2-2403-G4-00  
1-K01 READ 45.4. K02 - 47.7. CONDENSING UNIT CLEANED WITH VACCLAM  
CLEANER WITH FAN STOPPED. AF 5/13/89  
BLE 5: 2250364002K01 AND K02 HAVE BEEN DELETED FROM THIS MW  
O AND ARE BEING WORKED UNDER MWO 28902080 PER INSTRUCTIONS O

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
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F LETTER FROM MANAGEMENT CONCERNING RWO'S WITH "A" TRAIN AND  
"B" TRAIN. MDS 3-14-89

22403G4002K02	28902080	ELPH	MWO	F	05/21/89	03/14/89	05/18/89				
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WORK REQUESTED  
PERFORM PM CHECKLIST SCL00166 E 001H.

WORK PERFORMED  
CLEANED CONDENSING UNITS 2-2403-G4-002-K01 AND 2-2403-G4-002-K02.  
USED VP-1114 TO MEASURE DEW POINT (DD 5-2-89) 2-2403-G4-002-K01  
READ 40.8, 2-2403-G4-002-K02 READ 43.2. MAINTAINED ZONE IV HOUSEKEEP-  
ING.  
BLOCK 32: METHOD OF FUNCTIONAL TEST: SYSTEM ENGINEER TO VERIFY THAT  
DEWPOINT READINGS ARE WITHIN ACCEPTABLE RANGE - JOP 3-16-89

22503G4002K02	28902500	ELPH	MWO	F	05/19/89	05/17/89	03/29/89				
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WORK REQUESTED  
PERFORM FOLLOWING PM

WORK PERFORMED  
PERFORMED P.M. ON AIR DRIERS ON A-TRAIN, N4PL 02-2403-G4-001-K01 AND K  
02. THE CONDENSERS ON EACH UNIT WERE CLEANED USING COMPRESSED AIR AND  
THE DEWPOINT ON EACH UNIT WAS TAKEN AND THE RESULTS ARE: K01 WAS 50.2  
DEGREES F WHILE K02 WAS 50.8 DEGREES F. THE RATE EQUIPMENT USED WAS TH  
Z MODEL 911 DEW ANALYZER VP-1114 CAL DUE 5-2-89. THE WORK WAS COMPLETE  
D AND ZONE IV CLEANLINESS WAS MAINTAINED. DAE 4-17-89

22403G4002K02	28903077	VOID	MWO	F	06/12/89	06/06/89	04/26/89				
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WORK REQUESTED  
PERFORM FOLLOWING PM  
\*\*\*\*\*VOID\*\*\*\*\* APR 6/12/89

WORK PERFORMED  
VOID PM WORK TO BE PERFORMED ON MWO 28903059

22503G4002K02	28903241	VOID	MWO	F	06/27/89	08/09/89	05/02/89				
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WORK REQUESTED  
PERFORM ATTACHED PM CHECKLIST ON D/G AIR START AIR DRYER  
\*\*\*\*\*VOID SMP 6/26/89 \*\*\*\*\*

WORK PERFORMED  
MWO 28903050 PERFORMED THIS WORK ON 6/19/89. PLEASE VOID  
6/26/89

22403G4002K02	28903050	ICOP	MWO	F	06/22/89	06/20/89	06/02/89				
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Exhibit page of

TAG NUMBER	MWO NUMBER	DISC	RESP FORM	STATUS	CLOSED	ACT END	LOADED	NEW MWO
WORK REQUESTED PERFORM FOLLOWING PH								
WORK PERFORMED PERFORMED PH 5CL80164 E881M ON DRYERS 22483G4002K01 AND 22483G4002K02 MEASURED DEWPOINT WAS: K01-55 DEG F, K02 54 DEG F. AS FOUND DATA ACCE PTABLE. MAINTAINED ZONE IV CLEANLINESS. NOTE: FANS IN AUTO - NOT ALPMH MG. DEWPOINT ANALYZER VP-2722 DUE 9-2-89 LAST 9-2-89.								
22483G4002K02	28904219	ICOP	MWO	F		07/19/89	07/16/89	06/29/89
WORK REQUESTED PERFORM FOLLOWING PH								
WORK PERFORMED MEASURED DEW POINT ON 22483G4002K01 AND 22483G4002K02. DEW POINT ON K01 WAS 44. DEW POINT ON K02 WAS 42. ACCEPTABLE DEWPOINT WAS 32 TO 50 BOTH DRYER DEW POINTS ARE ACCEPTABLE. MAINTAINED ZONE IV CLEANLINESS.								
22483G4002K02	28904540	ELPH	MWO	F		08/25/89	08/22/89	07/27/89
WORK REQUESTED PERFORM FOLLOWING PH								
WORK PERFORMED OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEWPOINT ON AIR DRYER 22483G4002K01. IT WAS +38 DEG F. CHECKED DEWPOINT ON AIR DRYER 22483G4002K02. IT WAS +40 DEG F. MATE USED VP-2721 CAL DUE 9-2-8 9. MAINTAINED ZONE IV HOUSEKEEPING. CLEANED CONDENSERS ON 2-2483-G4-802 -K01, K02 AND RESTARTED FANS. MAI TAINED ZONE IV CLEANLINESS.								
22483G4002K02	28904984	ICPM	MWO	F		10/02/89	09/26/89	09/01/89
WORK REQUESTED PERFORM FOLLOWING PH								
WORK PERFORMED OBTAINED PERMISSION FROM UNIT ONE SSS TO BEGIN WORK. CHECKED DEW POINT ON AIR DRYER 22483G4002K01 IT WAS +45 DEGREES F. CHECKED DEW POINT ON AIR DRYER 22483G4002K02 IT WAS +55 DEGREES F. MATE USE D VP CAL DUE MAINTAINED ZONE IV HOUSEKEEPING. ON 2-2483-G4-802-K01 & K02 CLEANED CONDENSING COIL & HOUSING. ZONE IV CLEANLINESS MAINTAINED. MWO NEED TO BE ISSUED TO IAC TO SIGNOFF STEP 4 OF LIST PRO 2-2483-G4 -002-K02 AND COMPLETE MATE IN BLOCK 27. ALL WORK APPROVED FOR EVENING SHIFT ELECT. MAINT. C.U. 9/23/89								
22483G4002K02	28905174	MEPH		R		00/00/00	00/00/00	09/18/89

Exhibit 1, page 1 of 1

TAG NUMBER	MWO NUMBER	DISC	RESP FORM	STATUS	CLOSED	ACT END	LOADED	NEW MWO
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR								
WORK PERFORMED								
22483G4002K02	28905175	MEPH		R		00/00/00	00/00/00	09/18/89
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR								
WORK PERFORMED								
22483G4002K02	28905176	MEPH		R		00/00/00	00/00/00	09/18/89
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR								
WORK PERFORMED								
22483G4002K02	28905177	MEPH		R		00/00/00	00/00/00	09/18/89
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR								
WORK PERFORMED								
22483G4002K02	28905178	MEPH		R		00/00/00	00/00/00	09/18/89
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR								
WORK PERFORMED								
22483G4002K02	28905179	MEPH		R		00/00/00	00/00/00	09/18/89
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR								
WORK PERFORMED								
22483G4002K02	28905180	MEPH		R		00/00/00	00/00/00	09/18/89
WORK REQUESTED VOIDED BY SYSTEM - GENERATION ERROR								
WORK PERFORMED								
22483G4002K02	28905181	MEPH		R		00/00/00	00/00/00	09/18/89

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
2248374002K02	28905182	ICPH	R				00/00/00	00/00/00	09/18/89		
22483G4002K02	28905435	ICPH	MWO	F			10/24/89	10/20/89	04/27/89		
22483G4002K02	28905790	ICPH	MWO	F			12/14/89	11/17/89	10/28/89		
22483G4002K02	2890619A	ICPH	MWO	F			01/09/90	12/06/89	11/21/89		
22483G4002K02	28906505	ICPH	MWO	F			01/16/90	01/03/90	12/18/89		
22483G4002V02	29000145	ICPH	MWO	F			02/08/90	02/03/90	01/18/90		
22483G4002K02	29000560	EMPH	MWO	F			03/06/90	03/02/90	02/15/90		
22483G4002K02	29000813	ICPH	MWO	F			04/05/90	04/02/90	03/16/90		

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

2248374002K02 28905182 ICPH R 00/00/00 00/00/00 09/18/89

WORK REQUESTED  
VOIDED BY SYSTEM - GENERATION ERROR

WORK PERFORMED

22483G4002K02 28905435 ICPH MWO F 10/24/89 10/20/89 04/27/89

WORK REQUESTED  
PERFORM FOLLOWING P N

WORK PERFORMED

MEASURED DEWPOINT OF AIR 27 03G4002K01 AND 22403G4002K02. RATE USED V P2506. CLEANED CONDENSING UNIT PER PH CHECKLIST. 22403G4002V01 DEW POINT INT - 41 DEGREES F. 22403G4002K02 DEW POINT - 44 DEGREES F. VERIFIED ZONE IV CLEANLINESS WAS MAINTAINED.

22403G4002K02 28905790 ICPH MWO F 12/14/89 11/17/89 10/28/89

WORK REQUESTED  
PERFORM FOLLOWING P N

WORK PERFORMED

PERFORMED PH CHECKLIST ON 22403G4002K02, FOUND DEWPOINT READING AT -5 DEGREES F USING VP-2466 CAL 3/7/90. MAINTAINED ZONE IV CLEANLINESS USING CORRECTION CHART IN VN-1149 THE -5 DEGREES F AT 80 PSIG CONVERTS TO 36 DEGREES F. PERFORMED PH CHECKLIST ON 22403G4002K01. FOUND DEW POINT AT 22 DEGREES F USING VP-2506 CAL 3/7/90. USING CORRECTION CHART FROM VN-1149 THE 22 DEGREES F AT 80 PSIG CONVERTS TO 17 DEGREES F. MAINTAINED ZONE IV CLEANLINESS DC 02-09-1502  
CHECKED DEWPOINT ON K01 AND FOUND DEWPOINT AT 36 DEG F USING VP-2466 CAL DUE 3-7-90.

22483G4002K02 2890619A ICPH MWO F 01/09/90 12/06/89 11/21/89

WORK REQUESTED  
PERFORM FOLLOWING P N

WORK PERFORMED

PERFORMED PH CHECKLIST ON 22403G4002K01 AND FOUND DEW POINT AT -23 DEGREES F USING VP-2466, CAL DUE 3/7/90. USING CORRECTION CHART IN VTC-11 45 THE -23 DEGREES AT 80 PSIG CONVERTS TO +7 DEGREES  
PERFORMED PH CHECKLIST ON 22403G4002K02 AND FOUND DEWPOINT AT -12, DEG

REPORT NO. 01  
REPORT NAME: MWO-004

GEV42351 A DISC VERSION - V.E.C.P.  
NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM  
WORK ORDERS BY TAG NO

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
22483G4002K02	28906505	ICPH	MWO	F			01/16/90	01/03/90	12/18/89		
22483G4002V02	29000145	ICPH	MWO	F			02/08/90	02/03/90	01/18/90		
22483G4002K02	29000560	EMPH	MWO	F			03/06/90	03/02/90	02/15/90		
22483G4002K02	29000813	ICPH	MWO	F			04/05/90	04/02/90	03/16/90		

DEES FT USING VP-2436, CAL DUE 3/7/90, USING CORRECTION CHART IN DEGREE 5 F1 USING VP-2466, CAL DUE 3/7/90. USING CORRECTION CHART IN VN-1149 THE -12 DEGREES AT 80 PSIG CONVERTS TO -19 DEGREES. MAINTAINED ZONE IV HOUSEKEEPING.

READINGS TAKEN ON 12/5/89 WERE CONVERTED IMPROPERLY FROM INDICATED DEWPOINT AT SYSTEM PRESSURE. ON 1-3-90 PH WAS PERFORMED PER 28906505 AND WAS SATISFACTORY. ON 1-3-90 SYSTEM PRESSURE WAS APPROX 200 PSIG. READINGS TAKEN ON 12-9 CONVERTED TO 80 PSIG (APPROX) HAVE READING FROM VP-1149 CONVERTED  
22483G4002K01 = +35 DEG F VERSES + 7 DEG F  
22483G4002K02 = +50 DEG F VERSES - 19 DEG F

22483G4002K02 28906505 ICPH MWO F 01/16/90 01/03/90 12/18/89

WORK REQUESTED  
PERFORM FOLLOWING P N

WORK PERFORMED

PERFORMED PH CHECKLIST SCL00166 ON 22403G4002V02. OBTAINED DEWPOINT OF -15 DEGREES F WHICH CONVERTS TO 47 DEGREES F WITH PRESSURE AT 225 PSIG. CONDENSING UNIT IS CLEAN. PERFORMED PH CHECKLIST SCL00166 ON 22483G4002K01. OBTAINED DEWPOINT OF -18 DEGREES F WHICH CONVERTS TO 64 DEGREES F WITH A PRESSURE OF 230 PSIG. CONDENSING UNIT IS CLEAN. MAINTAIN ZONE IV CLEANLINESS. USED VP-2466 CAL DUE 3-7-90 AND VP-2623 CAL DUE 3-6-90

22483G4002V02 29000145 ICPH MWO F 02/08/90 02/03/90 01/18/90

WORK REQUESTED  
PERFORM FOLLOWING P N

WORK PERFORMED

PERFORMED DIESEL GENERATOR A7H START DRYER MAINTENANCE ON TAGS 2-2483-04-082692 AND 2-2483-05-082701. FOUND PERCENT OF RELATIVE HUMIDITY ON BOTH AIR DRYERS AT 45 DEGREES F. AND CLEANED CONDENSING UNITS. MAINTAINED ZONE IV CLEANLINESS. DRR 2-2-90

22483G4002K02 29000560 EMPH MWO F 03/06/90 03/02/90 02/15/90

WORK REQUESTED  
PERFORM FOLLOWING P N

WORK PERFORMED

PERFORMED PH CHECKLIST SCL00166 ON 22403G4002K01 SAT. FOUND DEWPOINT AT 34 DEGREES F. PERFORMED PH CHECKLIST SCL00166 ON 22483G4002V02 SAT. FOUND DEWPOINT AT 36 DEGREES F. REF VP-1149. MAINTAINED ZONE IV CLEANLINESS 3/2/90 ALMOR780V VP-2466 CAL DUE 030790.

22483G4002K02 29000813 ICPH MWO F 04/05/90 04/02/90 03/16/90

WORK REQUESTED

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TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
2240304002K02	29001021	ICPH	MWO	F			06/15/90	06/15/90	06/06/90		

PERFORM FOLLOWING P M  
 WORK PERFORMED  
 DEWPOINT FOR 2240304002K01 WAS 41 DEG F. DEWPOINT FOR 2240304002K02 WAS 44 DEG F. PERFORMED ATTACHED CHECKLIST SCL00166. MAINTAINED ZONE IV CLEANLINESS

2240304002K02	29001021	ICPH	MWO	F			06/15/90	06/15/90	06/06/90		
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 MONTHLY - B TRAIN - D. C. AIR DRYER DEWPOINT CHECK

WORK PERFORMED  
 CLEARED THE CONDENSING UNIT ON 2240304002K01 AND 2240304002K02 AS PER PH CHECKLIST SCL00166. THE DEW POINT READINGS WERE NOT TAKEN AT THIS TIME. MAINTAINED ZONE IV CLEANLINESS.  
 CHECKED DEWPOINTS WITH 3 DIFFERENT UNITS;  
 B TRN;  
 R01: 1. 61 AT 75 DEG = -5 DEG F = 75 DEG F DP WITH ALMOR 7200 VP-2466 CAL DUE 4-7-90  
 2. 57 AT 77 DEG = -55 DEG F = -10 DEG F DP WITH ALMOR 7000 GE RENTAL SER# 24901  
 3. 16.1 = 85 DEG F DP WITH DG & C VP1114 CAL DUE 8-3-90  
 R02: 1. 64 AT 74 DEG F = 10 DEG F = 80 DEG F DP WITH ALMOR 7200 VP2466 CAL DUE 4-7-90  
 2. 41 AT 75 DEG = -45 DEG F = 10 DEG F DP WITH ALMOR 7000 GE RENTAL SER# 24901  
 3. 14.8 = 80 DEG F DP WITH EG = C VP1114 CAL DUE 8-3-90.  
 MAINTAINED ZONE 4 CLEANLINESS.  
 CHECKED DEWPOINTS AGAIN WITH 2 DIFFERENT EG & C 011 DEW ALLS DIESEL GEN 28 WITH FS5529 AND VP1114  
 R01 39.5 DEG F 33.7 DEG F  
 R02 44.6 DEG F 44.4 DEG F  
 VP1114 CAL DUE 8-3-90 FS5529 CAL DUE 10-25-90  
 MAINTAINED ZONE 4 CLEANLINESS.  
 FS5529 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED FOR INTEGRATION ONLY. IT HAS NO OFFICIAL SITE CAL.  
 CHECKED DEWPOINT AT DIESEL GEN 28  
 R01 39.8 DEG F 2.4 DEG C (34.3 DEG F)  
 R02 43.2 DEG F 4.6 DEG C (40.3 DEG F)  
 TEST EQUIPMENT WAS ALLOWED TO STABILIZE FOR 30 MINS TEST ECU IS REMOVED; MAINTAINED ZONE IV CLEANLINESS.  
 NOTE: EX01 FANS HAVE RUN FOR ENTIRE TEST TIME.

2240304002K02	29001196	ICPH	MWO	F			05/16/90	05/14/90	06/19/90		
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 MONTHLY - B TRAIN - D. C. RECEIVERS R01/R02 DEWPOINT CHECK

WORK PERFORMED  
 PERFORMED PH CHECKLIST ON AIR START DRYER 2240304002K01.

TAG NUMBER	MWO NUMBER	DISC	RESP	FORE	STATUS	CLOSED	ACT	END	LOADED	NEW	MWO
2240304002K02	29002193	ICPH	MWO	F			06/27/90	06/22/90	06/05/90		

DEWPOINT READING 45 DEGREES F. USED VP-2721 CAL DUE 4-10-91.  
 MAINTAINED ZONE IV CLEANLINESS.  
 PERFORMED PH CHECKLIST ON AIR START DRYER 2240304002K02. DEWPOINT READING 45 DEGREES F. USED VP-2721 CAL DUE 4-10-91. MAINTAINED ZONE IV CLEANLINESS.

2240304002K02	29002193	ICPH	MWO	F			06/27/90	06/22/90	06/05/90		
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 MONTHLY - B TRAIN - D. C. AIR DRYER DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
 PERFORMED PH PER SCL00166 AIR DRYER R1-32.7 DEGREES F AIR DRYER R2-34 DEGREES F. MAINTAINED ZONE IV CLEANLINESS VP-1114 CAL DUE 8-3-90 OK 6-22-90

2240304002K02	29002091	ICPH	MWO	F			07/26/90	07/21/90	07/05/90		
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 1 MO - B TRAIN - D. C. AIR DRYER R01, R02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
 PERFORMED PH CHECKLIST ON 2240304002K01 AND FOUND DEWPOINT AT 62.2 DEG F. PERFORMED PH CHECKLIST ON 2240304002K02 AND FOUND DEWPOINT AT 49.5 DEGREES F. USED DEHALL MODEL 911 VP-1114 CAL DUE 8-3-9 FOR REASUREMENTS. MAINTAINED ZONE IV CLEANLINESS.

2240304002K02	29003446	ICPH	MWO	F			06/23/90	06/14/90	06/01/90		
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 1 MO - B TRAIN - D. C. AIR DRYER, R01, R02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED  
 PERFORMED PH ON DRYERS PER CHECKLIST SCL00166 VP1114 C/D 8-3-90 USED F OR TEST EQUIPMENT. R01 = 48.2 DEGREES F R02 = 44.3 DEGREES F. DRYERS IN SERVICE. ZONE IV HOUSEKEEPING MAINTAINED.

2240304002K02	29003066	ICPH	MWO	F			09/17/90	09/12/90	08/29/90		
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WORK REQUESTED  
 PERFORM FOLLOWING P M  
 1 MO - B TRAIN - D. C. AIR DRYER, R01, R02 DEWPOINT CHECK  
 DUE DATE ADJUSTED PER H R VAUGHT.

WORK PERFORMED

Exhibit 1, page 1 of 1