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NUCLEAR PLANT MAINTENANCE WORK ORDER (CONTINUED) (2 OF 2)

CONTROL NO. 19001770 00

MPL/TAG NO.	SYSTEM	EQP	CLS	DESCRIPTION	LOCATION
12403G4002K01	2403	626		D G AIR START AIR DRYER	1DB1
12403G4002K02	2403	626		D G AIR START AIR DRYER	1DB1

Block 26 E.m. ~~Stentz~~ 4/6/90

Nuclear Plant Maintenance Work Order Continuation Sheet

①

MPL No. _____ MWO No. 19001770

Work Description Block 27:

Trn. B, KO1: ① .65 @ 77° = +15°F = 85°F DP with Alnor 7200 VP2466
cal due 4.7.90.

② .42 @ 78° = -39°F = 18°F DP with Alnor 7000 GE rental
ser # 24901.

③ +10.6 = 80°F DP with EG&G VP1114 cal due 8.3.90

K02 ① .62 @ 75° = +7°F = 75°F DP with Alnor 7200 VP2466
cal due 4.7.90.

② .42 @ 78° = -39°F = 18°F DP with Alnor 7000 GE rental
ser # 24901.

③ +12.1 = 82°F DP with EG&G VP1114 cal due 8.3.90.

Maintained zone 4 cleanliness. 2/26 4.7.90

BUK 26: 50 ~~ACT~~ 4-7-90

Block 26: Zone 4-10-90

BUK 27 CONT: CHECKED DEW POINT AT DIESEL GEN 1B

	VP 1114 DUE 8-3-90	FS3529 (NO SITE CAL)
K02	41.4 °F	1.4 °C (34.5 °F)
K01	42.5 °F	3.4 °F (38.1 °F)

- MAINTAINED BUREAU IV CLEANLINESS 2/26 4-10-90

- AIR DRYERS ARE OPERATING WITHIN ACCEPTABLE LIMITS,

AWO WILL BE CLOSED 6/13 4-13-90

Nuclear Plant Maintenance Work Order Continuation Sheet

2

MPL No. See list

MWO No. 19001770

Work Description DK 27. Obtained permission from unit one S.S. to begin work. Checked Dew Point's on AIR DRYERS 1-2403-64-002-K01 + K02, using 2 (two) E+E DEW-PTS MODEL 911. VP-1114 cal'de 8-3-90 and FS3529 cal'de 10-25-90.

Dew Point on 1-2403-64-002-K01 1-2403-64-002-K02

VP-1114 44.5°F 36.6°F

FS3529 45.86°F (7.7°C) 40.82°F (4.9°C)

Maintained Zone IV Housekeeping N/A, 4-8-90

FS 3529 IS A PIECE OF BORROWED TEST EQUIPMENT THAT WAS USED FOR INFORMATION ONLY. IT HAS NO OFFICIAL SITE CAL. *Bill McQuinn* 4-8-90

EQUIPMENT MAINTENANCE CHECKLIST

MWO-NUMBER 19001700	CHECKLIST SCL00166	CLASS C	FREQUENCY N/A	PAGE 1 OF 2
TAG NUMBER 1-2425-64-002-102	REFERENCE MATERIAL			

MAINTENANCE REQUIREMENTS AND
SPECIAL INSTRUCTIONSSKILL AND
INITIALS

DIESEL GENERATOR AIR START DRYER MAINTENANCE
(COMMITMENT 15423, 15068 AND 14831)

CLEAN CONDENSING UNIT (IEN: 87-028)

1. STOP FAN MOTOR.
2. CLEAN CONDENSING UNIT.

LEC/ABT
LEC/ABT

NOTE

COMPRESSED AIR OR A VACUUM
CLEANER MAY BE USED TO CLEAN
THE CONDENSING UNIT.

3. START FAN MOTOR.
4. MEASURE DEW POINT AND RECORD IN BLOCK 27 OF MWO.
 - A. USE ALNOR DEW POINT ANALYZER.
 - B. CONNECT ALNOR THROUGH A PRESSURE REGULATOR, THEN TO THE PRESSURE INDICATOR ON THE RECEIVER.
 - C. ADJUST PRESSURE TO APPROXIMATELY 80 PSIG.
 - D. USE ALNOR INSTRUCTION MANUAL FOR OPERATION OF EQUIPMENT.
 - E. CONVERT READING TAKEN FROM THE ALNOR TO OPERATING PRESSURE PER CHART IN ALNOR INSTRUCTION MANUAL.

LEC/ABT
LEC/ABT

MAINTENANCE ENGINEER/SUPV. APPROVAL R H WYRE
LAST MINOR CHANGE DATE 05/20/89

REV: 00
08/19/88

EQUIPMENT MAINTENANCE CHECKLIST CONTINUATION

MWO-NUMBER 1901700	CHECKLIST SCL00166	CLASS C	FREQUENCY N/A	PAGE 2 OF 2
TAG NUMBER 1-1407-G4-002-K02	REFERENCE MATERIAL			

MAINTENANCE REQUIREMENTS AND
SPECIAL INSTRUCTIONSSKILL AND
INITIALS

NOTE

ACCEPTABLE READING ARE BETWEEN 32 DEGREES
FAHRENHEIT AND 50 DEGREES FAHRENHEIT.

REV. 00

EQUIPMENT MAINTENANCE CHECKLIST

MWO-NUMBER 19001700	CHECKLIST SCL00166	CLASS C	FREQUENCY N/A	PAGE 1 OF 2
TAG NUMBER 1-2403-G4-001-K01	REFERENCE MATERIAL			

MAINTENANCE REQUIREMENTS AND
SPECIAL INSTRUCTIONSSKILL AND
INITIALS

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LAST MINOR CHANGE DATE 05/20/89

REV. 00
08/19/88

IEC/ABT
IEC/ABT
IEC/ABT
IEC/ABT

EQUIPMENT MAINTENANCE CHECKLIST CONTINUATION

MWO-NUMBER 1900 1700	CHECKLIST SCL00166	CLASS C	FREQUENCY N/A	PAGE 2 OF 2
TAG NUMBER 1-2403-64-002-K01	REFERENCE MATERIAL			

MAINTENANCE REQUIREMENTS AND
SPECIAL INSTRUCTIONSSKILL AND
INITIALS

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REV. 00

EQUIPMENT MAINTENANCE CHECKLIST

MWO-NUMBER 19001770-	CHECKLIST S.CLO0166	CLASS C	FREQUENCY N/A	PAGE 1 OF 2
TAG NUMBER 12403 G4002 K01	REFERENCE MATERIAL			

MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS

SKILL AND INITIALS

DIESEL GENERATOR AIR START DRYER MAINTENANCE
(COMMITMENT 15423, 15068 AND 14831)

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IEC / DJL
IEC / DJL

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IEC / DJL
IEC / DJL

MAINTENANCE ENGINEER/SUPV. APPROVAL R H WYRE

LAST MINOR CHANGE DATE 05/20/89

REV. 00
08/19/88

EQUIPMENT MAINTENANCE CHECKLIST CONTINUATION

MWO-NUMBER	CHECKLIST	CLASS	FREQUENCY	PAGE
TAG NUMBER	3CL00166	C	N/A	2 OF 2
		REFERENCE MATERIAL		

MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS	SKILL AND INITIALS
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NOTE

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 FAHRENHEIT AND 50 DEGREES FAHRENHEIT.

EQUIPMENT MAINTENANCE CHECKLIST

MWO-NUMBER 19001770	CHECKLIST SCLO0166	CLASS C	FREQUENCY N/A	PAGE 1 OF 2
TAG NUMBER 1240364002K02	REFERENCE MATERIAL			

MAINTENANCE REQUIREMENTS AND
SPECIAL INSTRUCTIONSSKILL AND
INITIALS

DIESEL GENERATOR AIR START DRYER MAINTENANCE
(COMMITMENT 15423, 15068 AND 14831)

CLEAN CONDENSING UNIT (IEN: 87-028)

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ISC / DGLISC / DGL

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MAINTENANCE ENGINEER/SUPV. APPROVAL R H WYRE
LAST MINOR CHANGE DATE 05/20/89

REV. 00
08/19/88

EQUIPMENT MAINTENANCE CHECKLIST CONTINUATION

MWO-NUMBER	CHECKLIST	CLASS	FREQUENCY	PAGE
	SCLO0166	C	N/A	2 OF 2
TAG NUMBER	REFERENCE MATERIAL			

MAINTENANCE REQUIREMENTS AND SPECIAL INSTRUCTIONS	SKILL AND INITIALS
<p style="text-align: center;">NOTE</p> <p>ACCEPTABLE READING ARE BETWEEN 32 DEGREES FAHRENHEIT AND 50 DEGREES FAHRENHEIT.</p>	
	REV. 00

TEST EQUIPMENT CALIBRATION DATA SHEET

Item: 911
 Identification No. FS3529

Working Copy Compared to Master
 Control Copy 10/25/89

Range: -40 to 100°C

Reason for Calibration

(Check One):

- Periodic Calibration
- Calibration Check
- Other: AFTER REPAIR

Last Calibration Date: 8-30-89
 Calibration Date: 10-25-89
 Next Calibration Due Date: 10-25-90
 Man Hours: 3.0

Replaced Temp Sensor, Installed
 Flow meter & Filter.

Standards Used	Calibration Due Date	Identification Number
1433T	11-25-4/02/89 10/25/89	FS1126

Ambient Temperature: 72°F Performed By W. Chasman Reviewed By W. Sherriff
 Date 10/26/89

INPUT		INDICATION		
660	Variable Ω	As Found	Desired Deg. C	As Left
Dev Point	80.1		-49.7 to -50.3	
Dev Point	100.0		-00.3 to 00.3	
Dev Point	119.59	NA	49.7 to 50.3	
Dev Point	138.89	NA	99.7 to 100.3	
911				
Dev Point	84.11	-40.0	-39.7 to -40.3	-40.0
Dev Point	100.0	00.0	-00.3 to 00.3	0.00
Dev Point	111.79	30.0	29.7 to 30.3	30.0
Dev Point	123.48	60.2	59.7 to 60.3	60.0

VEGP FIRE PROTECTION CHECKLIST

1. MWO NO. 9001770 2. MPL/TAG NO. 1-2403-64-002-K01, K023. LOCATION D/B - B

4. WILL THE WORK INSTALL, IMPAIR, MODIFY, ISOLATE, DEFEAT, OR REMOVE ANY OF THE FOLLOWING? IF THE ANSWER IS "YES" CHECK THE BOX, AND INDICATE APPROPRIATE DETAILS.

- () SPRINKLER SYSTEM _____
- () INTERIOR HOSE STATION _____
- () HALON SYSTEM _____
- () DETECTION SYSTEM _____
- () EMERGENCY LIGHTING SYSTEM _____
- () PERMANENT COMBUSTIBLES (CABLE, WOOD, PLASTIC, ETC.) _____
- () STRUCTURAL STEEL, OR RACEWAY FIREPROOFING _____
- () FIRE SUPPRESSION SUPPLY SYSTEM (PUMPS, TANKS, ETC.) _____
- () CONDUIT SEALS OR EQUIPMENT ENCLOSURE (CABINET HOUSING) _____
- () FIRE EXTINGUISHER _____
- () COMMUNICATIONS SYSTEM _____
- () RCP OIL COLLECTION SYSTEM _____
- () SEISMIC STANDPIPE SYSTEM _____

5. WILL THE WORK DEFEAT, MODIFY OR IMPAIR ANY OF THE FOLLOWING FIRE SEPARATION FEATURES? IF THE ANSWER IS "YES" CHECK THE BOX, AND INDICATE APPROPRIATE DETAILS.

- () A. FIRE AREA BOUNDARY (WALL, ETC.) _____
- () B. PASSIVE AREA BOUNDARY PENETRATION SEAL ASSEMBLY.
- PENETRATION SEAL _____
- WALL BLOCKOUT _____
- FLOOR PLUG OR HATCH _____
- CABLE TRAY OR CONDUIT WRAP _____
- RADIANT ENERGY SHIELD _____
- () C. ACTIVE FIRE AREA BOUNDARY PENETRATION SEAL.
- FIRE DOOR _____
- FIRE DAMPER _____

6. IF ALL THE ANSWERS IN BLOCKS 4 and 5 ARE "NO", STOP THE EVALUATION HERE, AND ENTER "NO" IN BLOCK 11 OF THE MWO FORM. IF ANY QUESTIONS WERE ANSWERED "YES", ENTER "YES" IN BLOCK 11 OF THE MWO FORM.

EVALUATOR [Signature] DATE 4-5-90

POST WORK REVIEW (COMPLETE "A, B, OR C" BELOW)

(A) THE CONDITION IMPACTING THE FIRE PROTECTION COMPONENTS LISTED ABOVE HAS BEEN REMOVED. FPE _____ DATE _____

(B) THE FIRE PROTECTION COMPONENT IS STILL IMPAIRED. FPE _____ DATE _____

(C) RESTORATION OF THE IMPAIRMENT HAS BEEN TRANSFERRED (Ref: _____) AND THE FIRE PROTECTION LOG HAS BEEN CHANGED TO REFERENCE THE NEW MWO FOR THIS IMPAIRMENT. FPE _____ DATE _____