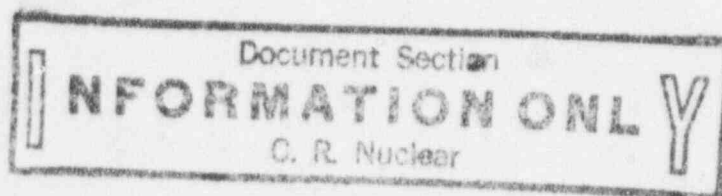


Rev. 93

Effective Date 3/2/96



SURVEILLANCE PROCEDURE

SP-301

FLORIDA POWER CORPORATION

CRYSTAL RIVER UNIT 3

SHUTDOWN DAILY SURVEILLANCE LOG

THIS PROCEDURE ADDRESSES SAFETY RELATED COMPONENTS

APPROVED BY: Interpretation Contact

Ken Vogel
(SIGNATURE ON FILE)

DATE: 3/1/96

INTERPRETATION CONTACT: Supervisor, Operations
Engineering and Support

9603110379 960302
PDR ADOCK 05000302
P PDR

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1.0 PURPOSE

- 1.1 This procedure provides for the logging of plant parameters necessary to satisfy regulatory requirements and commitments when the plant is in MODES 5 and 6.
- 1.2 This procedure also provides for the logging of plant parameters to determine trends in equipment operation.

2.0 REFERENCES

2.1 IMPLEMENTING REFERENCES

- 2.1.1 OP-404, Decay Heat Removal System
- 2.1.2 OP-406, Spent Fuel Cooling System
- 2.1.3 Offsite Dose Calculation Manual

2.2 DEVELOPMENTAL REFERENCES

2.2.1 Technical Specification/Other References

<u>Applicable References</u>	<u>Surv. Perf. During Modes</u>	<u>LCO/Other Requirement During Modes</u>	<u>Surv. Freq.</u>	<u>Freq. Notes</u>	<u>Mode Notes</u>
SR 3.3.1.1(11)	5,6	2,3,4,5	S	40	24
SR 3.3.1.1(1b)	5	2,3,4,5	S		24
SR 3.3.9.1	5,6	2,3,4,5	S	40	
SR 3.3.10.1	5,6	1,2,3,4,5	S		46
SR 3.3.15.1	5,6	1 thru 6	S		42
SR 3.3.16.1	All	All	S		43
SR 3.4.6.1,3.4.7.1	5	5	S		44
SR 3.4.14.1	5,6	1,2,3,4	S		
SR 3.5.4.1	1,2,3,4	1,2,3,4	D		
SR 3.7.13.1	5,6	All	D	40	41
SR 3.7.11.1	5,6	5,6	D	40	
SR 3.9.2.1	6	2,3,4,5,6	S		
SR 3.9.5.1	5,6	4,5,6	S		
ODCM 2.1.1(1.b)	All	All	D	46	
ODCM 2.2.1(2.a)	All	All	D	43	
ODCM 2.2.1(2.b)	All	All	W	43	
ODCM 2.2.1(2.c)	All	All	W	43	
ODCM 2.2.1(2.d)	All	All	D	43	

ODCM 2.2.1(3.a.i)	All	All	D	43
ODCM 2.2.1(3.b)	All	All	W	
ODCM 2.2.1(3.c)	All	All	W	
ODCM 2.2.1(3.d)	All	All	D	

SURVEILLANCE FREQUENCY DESIGNATION:

- D - At least once per 24 hrs.
- 3D - At least once per 72 hrs.
- S - At least once per 12 hrs.
- H - At least once per 60 min.
- W - At least once per 7 days
- SP - Special

FREQUENCY NOTES:

- 16 - Every 30 min.
- 40 - Establish surveillance prior to ascension into applicable mode
- 43 - During periods of Reactor Bldg. purge
- 46 - Also requires a "D" source check

MODE NOTES:

- 24 - During Shutdown bypass operation with any CRD trip breakers in the closed position and the CRD Control System capable of rod withdrawal
- 41 - During movement of irradiated fuel assemblies in Fuel Storage Pool
- 42 - When containment purge or mini-purge valves are required to be operable by LCO 3.9.3 "Containment Penetrations"
- 43 - During movement of irradiated fuel assemblies
- 44 - When RCS loops filled or not filled
- 46 - Modes 3,4,5 when any control rod drive (CRD) trip breaker is in the closed position and the CRD Control System is capable of rod withdrawal

2.2.2 Fire Protection Plan (FPP) Requirements

<u>Applicable References</u>	<u>Surv. Perf. During Modes</u>	<u>LCO/Other Requirements During Modes</u>	<u>Surv. Freq.</u>	<u>Compensatory Measures</u>
Table 6.1.b Statement 1	1 thru 6	At All Times	W	Table 6.1.a Item 6.1.1A

SURVEILLANCE FREQUENCY DESIGNATION:

W - At least once per 7 days.

2.2.3 Commitments

<u>NUMBER</u>	<u>SOURCE</u>	<u>DESCRIPTION</u>
C00954	Letter to NRC	Concentrated waste storage tank loop seals will be verified to be filled.
C02538	Letter to NRC	Range position of explosive gas monitor (hydrogen and oxygen) will be checked.
C05499	FSAR 2.4.2	Intake water level will be monitored during adverse weather conditions.
C05626	Letter to NRC	Diesel air starting system will be monitored to insure > 225 PSIG.
C05915	Reg. Guide 1.33	Radioactive gas will be monitored.
C08791	NPDES Permit	Effluent flow and temperature will be monitored.
C40218	Letter to NRC GL88-17	Minimum of two incore T/Cs in mid-loop condition.
C95024	INPO SOER 81-09	IA Downstream filter will be monitored.
C95044	NRC I&E Notice	Monitor Inverter Voltage.
C95292	SOER 85-04	DHR Reliability, RCS Level Monitoring.
C95297	SOER 85-04	DHR Reliability, RCS Level Monitoring.

C97999	MAR 87-11-22-01	CHV-19 verified closed.
C94028	NCOR 87-234	High Operating Level RCDT = 115
	MAR 92-02-20-01A	inches
	SNES 88-0023	Low Operating Level RCDT = 93
	CALC I-91-0018, Rev 2	inches

2.2.4 OP-301, Operation of the Reactor Coolant System

2.2.5 AI-504, Guidelines for Reduced Reactor Coolant System (RCS)
Inventory Operations

3.0 PERSONNEL INDOCTRINATION

3.1 SETPOINTS

3.1.1 The allowable ranges for each reading are contained on the applicable enclosure.

3.2 DESCRIPTION

3.2.1 This procedure:

- o Provides a systematic methodology for measuring operational parameters of plant equipment.
 - By providing a systematic logging of data, plant performance can be monitored for trends or abnormalities and corrective action initiated in a timely manner to ensure safe, legal, and efficient plant operation.
- o Compares logged data to regulatory requirements or expected normals.

3.3 DEFINITIONS

3.3.1 COLR: Core Operating Limits Report

3.3.2 NLL: No Lights Lit

3.3.3 L/R: Lock/Reset

3.3.4 ODCM: Offsite Dose Calculation Manual

3.3.5 TAPTS: Tech Assist Plant Touring System

3.4 RESPONSIBILITIES

- 3.4.1 The Nuclear Shift Supervisor and Shift Operators are responsible for the performance of this procedure.
- 3.4.2 The Control Room Chief Operator on shift is responsible for the performance of Enclosure 1, Control Log Readings, and Enclosure 2, Special Surveillances Enclosure.
 - o The Nuclear Operator shall report to the Nuclear Shift Supervisor any conditions not meeting the requirements of this procedure and take action to correct such conditions where appropriate or as directed.
- 3.4.3 The Assistant Nuclear Operator on shift is responsible for the performance of Enclosure 3, Aux. Bldg. Log Readings.
 - o The Assistant Nuclear Operator shall report to the Control Room any condition not meeting the requirements of this procedure and take action to correct such conditions where appropriate or as directed.
- 3.4.4 The Nuclear Auxiliary Operator on shift is responsible for the performance of Enclosures 4, 5, and 6 (Turbine Building Logs).
 - o The Nuclear Auxiliary Operator shall report to the Control Room any conditions not meeting the requirements of this procedure and take action to correct such conditions where appropriate or as directed.
- 3.4.5 The Nuclear Shift Supervisor or Assistant Nuclear Shift Supervisor on each shift shall:
 - o Review the "Out-of-Spec" reports for each enclosure of this procedure to ensure adequate remedial actions are taken.
 - o Review the data from each reading to detect unusual or abnormal trends or readings that require investigation or remedial actions.
 - o Signify completion of reviews, acceptance of the logged data, and completion of the TAPTS authorization approval for each log by signing Enclosure 8, Signature Validation Sheet.
- 3.4.6 The Nuclear Shift Supervisor or Assistant Nuclear Shift Supervisor on Swing Shift will:
 - o Print a report of all readings for that day.
 - o Check for completeness and accuracy of the records.
 - o Transmit the records using the Procedure Approval Transmittal Sheet.

3.5 LIMITS AND PRECAUTIONS

- 3.5.1 For work located in Radiation Controlled areas, due consideration should be given to the ALARA program. This may result in a determination that special preparation and/or precautions are necessary.
- 3.5.2 Any "Out-of-Spec" readings which are required by Technical Specifications or other regulatory commitments should immediately be reported to the Nuclear Shift Supervisor.
- 3.5.3 All instruments used to perform this procedure should be within their normal calibration frequency.

3.6 ACCEPTANCE CRITERIA

- 3.6.1 Each hourly log shall be recorded on the hour \pm 7 minutes. Each bi-hourly reading shall be recorded on the hour, each even hour (0200, 0400, etc.) \pm 15 minutes. Each TETRA-hourly log entry shall be recorded on the hour at 0000, 0400, 0800, 1200, 1600, and 2000 \pm 30 minutes.
- 3.6.2 Each shift log entry shall be recorded during the first 4 hours of each shift.
- 3.6.3 Each daily log entry shall be recorded during the first 4 hours of the shift the reading is to be taken.
- 3.6.4 The Shift Supervisor or Assistant Nuclear Shift Supervisor on each shift shall review the data from each log upon completion of required entries.
- 3.6.5 All readings required by Technical Specifications or other regulatory commitments that do not meet the acceptance criteria identified within the various enclosures will be reported to the Nuclear Shift Supervisor for appropriate disposition.
 - o The appropriate log readings will be annotated to describe disposition (e.g., Entered Action Statement, Work Request Number, etc.) and will serve to satisfy completion of this procedure for transmittal to quality files.

3.7 PREREQUISITES

None

4.0 INSTRUCTIONS

4.1 NORMAL SURVEILLANCE FREQUENCY

- 4.1.1 Record data each shift for Enclosures 1, 2, 3, 4, 5, and 6 as required.
- 4.1.2 Operation of the hand-held data collection units is noted in Enclosure 7.
- 4.1.3 When log readings are complete, the operator is to send a Out-of-Spec to the Control Room for review.
 - o The operator recording the logs is to:
 - Review all readings for trends
 - Ensure all readings are complete
 - Signify the above by signing Enclosure 8, Signature Validation Sheet
- 4.1.4 The Nuclear Shift Supervisor may waive readings not required by STS or commitment for a period of time no greater than one (1) shift as a result of an emergency or hazardous conditions or other prevailing conditions in the plant.
- 4.1.5 When a log entry is not appropriate due to some specified applicability condition, enter "NA" (not applicable), "OOS (Out-of-Service), STBY (Standby), and TAGOUT, or other specific reason (e.g., Work Request) on the appropriate enclosure.
- 4.1.6 When the cold leg nozzle dams are in place and required to seal cold legs, perform Enclosure 6 once per shift.

4.2 SPECIAL SURVEILLANCE FREQUENCY

- 4.2.1 Within one hour prior to a reduction in RC system boron concentration and at least once per hour during the reduction, record the RC pump operating or decay heat removal system flow to the reactor pressure vessel. This data will be recorded in the "Reduction of RCS Boron Concentration" section of Enclosure 2, Special Surveillances Enclosure.

NOTE: Per Licensing IOC dated Nov. 14, 1990, the following reading may be observed using the discharge canal or RW pits during adverse weather conditions.

- 4.2.2 When a Hurricane Watch or Warning is in effect, log the intake structure water level per the following:
- a. Once per 12 hours when the water level is below 92 ft. elevation.
 - b. Once per 4 hours when the water level is equal or greater than 92 ft. elevation.
 - c. Once per 30 minutes when the water level is equal to or greater than 94 ft. elevation.

The above elevations are referenced to plant datum and the information will be logged on Enclosure 2.

- 4.2.3 Complete Enclosure 2 (Page 2 of 3), RCS Level and Temperature Logsheet, when the RCS is not filled and vented as per the instructions of the enclosure.

5.0 FOLLOW-UP ACTIONS

5.1 RESTORATION INSTRUCTIONS

None

5.2 CONTINGENCIES

- 5.2.1 Log readings which do not meet the Acceptance Criteria specified within the enclosures of this procedure will be brought to the attention of the Nuclear Shift Supervisor on Duty.
- 5.2.2 The Nuclear Shift Supervisor on Duty will take action as required by Technical Specifications or other regulatory commitments as appropriate.
- o The enclosures of this procedure provide the necessary references for the Nuclear Shift Supervisor to determine required actions.
- 5.2.3 IF an instrument fails a channel check because the instrument does not indicate a correct representation of the channel, THEN any calibrated instrument in the instrument string may be used for the channel check.

5.2.4 Computer generated enclosures are the preferred method of transmittal of this procedural for enclosures in the computerized format.

5.2.5 IF electronic data gathering is unavailable for an enclosure(s),
THEN:

1. Information shall be written on Enclosures 1 through 6 as applicable.
2. The special requirements for Enclosures 1 through 5 shall be adhered to.
3. The data should be logged in the computer data base when the computer system is returned to service.

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
1	SP-301 SHUTDOWN SURVEILLANCE LOG			OK OK	REV. 93						
2	MID AND HIGH RANGE ENERGIZED, NO ALARMS?	RMA-1-R14 145		YES YES	ODCM 2.2.1			NA		NA	
3	MID AND HIGH RANGE ENERGIZED, NO ALARMS?	RMA-2-R14 145		YES YES	ODCM 2.2.1			NA		NA	
4	AUX BLDG EXHAUST AIR (CHANNEL C)	AH-32-FIR 145	KSCFM	142 172	ODCM 2.2.1			NA		NA	
5	RB EXHAUST AIR (CHANNEL D)	AH-32-FIR 145	KSCFM	1.5	ODCM 2.2.1						
6 *SR	RM RECORDER: PAPER & INK OK? NO INCR TREND	RM-A01-RIR-1 145		YES YES	COMM=C05915						
7 *SR	RM RECORDER: PAPER & INK OK? NO INCR TREND	RM-A03-RIR 145		YES YES	COMM=C05915						
8 *SR	RM RECORDER: PAPER & INK OK? NO INCR TREND	RM-A05-RIR-1 145		YES YES	COMM=C05915						
9	RM RECORDER: PAPER & INK OK? NO INCR TREND	RM-L01-RIR 145		YES YES	COMM=C09632(ITS) COMM=C09635(ITS)						
10 *SR	RM RECORDER: PAPER & INK OK? NO INCR TREND	RM-G01-RIR 145		YES YES	COMM=C05915						
11	RMA-1 PARTICULATE. ENERGIZED, NO ALARMS?	RMA-1 145		YES YES	ODCM 2.2.1(2.c)						

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
12	RMA-1 IODINE. ENERGIZED, NO ALARMS?	RMA-1 145		YES YES	ODCM 2.2.1(2.b)						
13	RMA-1 GAS. ENERGIZED, NO ALARMS?	RMA-1 145		YES YES	ODCM 2.2.1 SR 3.3.15.1						
14	RMA-2 PARTICULATE. ENERGIZED, NO ALARMS?	RMA-2 145		YES YES	ODCM 2.2.1						
15	RMA-2 IODINE. ENERGIZED, NO ALARMS?	RMA-2 145		YES YES	ODCM 2.2.1						
16	RMA-2 GAS. ENERGIZED, NO ALARMS?	RMA-2 145		YES YES	ODCM 2.2.1						
17	RMA-3. ENERGIZED, NO ALARMS?	RMA-3 145		YES YES							
18	RMA-4. ENERGIZED, NO ALARMS?	RMA-4 145		YES YES							
19	RMA-5 GAS. ENERGIZED, NO ALARMS?	RMA-5 145		YES YES							
20	RMA-6 NOBLE GAS. ENERGIZED, NO ALARMS?	RMA-6 145		YES YES	SR 3.4.14.1						
21	RML-7. ENERGIZED, NO ALARMS?	RML-7 145		YES YES	ODCM 2.1.1						
22	RMA-5 IODINE ENERGIZED, NO ALARMS?	RMA-5 145		YES YES	SR 3.3.16.1						

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
23	RMA-7. ENERGIZED, NO ALARMS?	RMA-7 145		YES YES							
24	RMA-8. ENERGIZED, NO ALARMS?	RMA-8 145		YES YES							
25	RMA-12. ENERGIZED, NO ALARMS?	RMA-12 145		YES YES	ODCM 2.2.1						
26	RMA-11. ENERGIZED, NO ALARMS?	RMA-11 145		YES YES	ODCM 2.2.1						
27	RMA-6 PART. & IODINE. ENERGIZED, NO ALARMS?	RMA-6 145		YES YES	SR 3.4.14.1						
28	RML-1. ENERGIZED, NO ALARMS?	RML-1 145		YES YES							
29	RML-2. ENERGIZED, NO ALARMS?	RML-2 145		YES YES	ODCM 2.1.1						
30	RML-3. ENERGIZED, NO ALARMS?	RML-3 145		YES YES	ODCM 2.1.1						
31	RML-5. ENERGIZED, NO ALARMS?	RML-5 145		YES YES	ODCM 2.1.1						
32	RML-6. ENERGIZED, NO ALARMS?	RML-6 145		YES YES	ODCM 2.1.1						
33	RMG-1. ENERGIZED, NO ALARMS?	RMG-1 145		YES YES							

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
34	RMG-2. ENERGIZED, NO ALARMS?	RMG-2 145		YES YES							
35	RMG-3. ENERGIZED, NO ALARMS?	RMG-3 145		YES YES							
36	RMG-4. ENERGIZED, NO ALARMS?	RMG-4 145		YES YES							
37	RMG-5. ENERGIZED, NO ALARMS?	RMG-5 145		YES YES							
38	RMG-6. ENERGIZED, NO ALARMS?	RMG-6 145		YES YES							
39	RMG-7. ENERGIZED, NO ALARMS?	RMG-7 145		YES YES							
40	RMG-8. ENERGIZED, NO ALARMS?	RMG-8 145		YES YES							
41	RMG-9. ENERGIZED, NO ALARMS?	RMG-9 145		YES YES							
42	RMG-10. ENERGIZED, NO ALARMS?	RMG-10 145		YES YES							
43	RMG-11. ENERGIZED, NO ALARMS?	RMG-11 145		YES YES							
44	RMG-12. ENERGIZED, NO ALARMS?	RMG-12 145		YES YES							

*SR{Special Requirements}

Abnormal Readings

Approver Name: _____

REMARKS: _____

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX / TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
45	RMG-13. ENERGIZED, NO ALARMS?	RMG-13 145		YES YES							
46	RMG-14. ENERGIZED, NO ALARMS?	RMG-14 145		YES YES	COMM=C00528(ITS)						
47	RMG-15. ENERGIZED, NO ALARMS?	RMG-15 145		YES YES							
48	RMG-16. ENERGIZED, NO ALARMS?	RMG-16 145		YES YES							
49	RMG-17. ENERGIZED, NO ALARMS?	RMG-17 145		YES YES							
50	RMG-18. ENERGIZED, NO ALARMS?	RMG-18 145		YES YES							
51	BWST LEVEL	DH-7-LI 145	FT	2.2 47.1	COMM=C00509(ITS)						
52	BWST TEMPERATURE	DH-10-TI 145	°F	40 100	SR 3.5.4.1 COMM=C97819			NA			
53 *SR	CFT "A" ISOLATION VALVE	CFV-5 145		CLOSED CLOSED							
54	MUV-23 POSITION CLOSED?	MUV-23 145		YES YES				NA		NA	
55	MUV-24 POSITION CLOSED?	MUV-24 145		YES YES				NA		NA	

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

CONTRLRM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
56	DH PUMP PROVIDING FLOW TO REACTOR	DHP1A/1B 145		A B	SR 3.4.6.1 SR 3.4.7.1 SR 3.9.5.1						
57 *SR	DH TO REACTOR VESSEL FLOW RATE	DH-1-F12/F11 145	GPM	1400 3000	SR 3.4.6.1 SR 3.4.7.1						
58	DHP-1A SUCTION TEMP.	DH-6-T11 145	°F	60							
59	DHP-1B SUCTION TEMP.	DH-6-T12 145	°F	60							
60	BWST LEVEL	DH-37-L1 145	FT	2.2 47.1	COMM=C00509(ITS)						
61	BWST TEMPERATURE	DH-9-T1 145	°F	40 100	SR 3.5.4.1 COMM=C97819						
62 *SR	CFT "B" ISOLATION VALVE	CFV-6 145		CLOSED CLOSED							
63	MUV-25 POSITION CLOSED?	MUV-25 145		YES YES				NA		NA	
64	MUV-26 POSITION CLOSED?	MUV-26 145		YES YES				NA		NA	
65 *SR	RCS LOW RANGE PRESS (0-600 PSIG)	RC-131-PI 145	PSIG	0 555							
66	RC BLEED TANK 3A	WD-54-L1 145	%	100				NA		NA	

*SR(Special Requirements)

Abnormal Readings

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CONTRLRM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX / TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
67	RC BLEED TANK 3B	WD-58-LI 145	%	100				NA		NA	
68	RC BLEED TANK 3C	WD-62-LI 145	%	100				NA		NA	
69	SF POOL LEVEL	SF-1-LI1 145	FT	-2	SR 3.7.13.1						
70	SF POOL LEVEL	SF-1-LI2 145	FT	-2	SR 3.7.13.1						
71	RCDT LEVEL	WD-23-LI1 145	IN	93 115	NCOR 87-234 ENG CALC 1-91-0018R2						
72	RCDT PRESSURE	WD-22-PI1 145	PSIG	5							
73	PORV POSITION IND. ULTRASONIC CLOSED?	RCV-10 145		YES YES							
74	PORV BLOCK VLV IND. LAMP	RCV-11 145		OPEN OPEN							
75	PORV SELECTED TO LOW RANGE?	RCV-10 145		YES YES							
76	PORV POSITION IND. LAMP CLOSED?	RCV-10 145		YES YES							
77	PZR LEVEL	RC-001-LIR1 145	IN	220							

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
78 *SR	PZR LEVEL	RC-001-LIR3 145	IN	220							
79	SR COUNTS, CONTROL CONSOLE	NI-1-NI 145	CPS	.4	SR 3.3.9.1 SR 3.9.2.1						
80	SR COUNTS, CONTROL CONSOLE	NI-2-NI 145	CPS	.4	SR 3.3.9.1 SR 3.9.2.1						
81 *SR	SOURCE RANGE COMPARISON	NI-1 & 2-NI 145		YES	SR 3.3.9.1 SR 3.9.2.1						
82	COUNTS, CONTROL CONSOLE	NI-15-NI 145	CPS	.1							
83	COUNTS, CONTROL CONSOLE	NI-14-NI 145	CPS	.1							
84	SR RATE, CONTROL CONSOLE	NI-1-DNI 145	DPM	0	COMM=C00860(ITS)						
85	SR RATE, CONTROL CONSOLE	NI-2-DNI 145	DPM	0	COMM=C00860(ITS)						
86	RATES AGREE WITHIN .2 DPM?	NI-1 & 2-DNI 145		YES	COMM=C00860(ITS)						
87	RATE, CONTROL CONSOLE	NI-15-DNI 145	DPM								
88	RATE, CONTROL CONSOLE	NI-14-DNI 145	DPM								

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

CONTRLRM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
78 *SR	PZR LEVEL	RC-001-LIR3 145	IN	220							
79	SR COUNTS, CONTROL CONSOLE	NI-1-NI 145	CPS	.4	SR 3.3.9.1 SR 3.9.2.1						
80	SR COUNTS, CONTROL CONSOLE	NI-2-NI 145	CPS	.4	SR 3.3.9.1 SR 3.9.2.1						
81 *SR	SOURCE RANGE COMPARISON	NI-1 & 2-NI 145		YES	SR 3.3.9.1 SR 3.9.2.1						
82	COUNTS, CONTROL CONSOLE	NI-15-NI 145	CPS	.1							
83	COUNTS, CONTROL CONSOLE	NI-14-NI 145	CPS	.1							
84	SR RATE, CONTROL CONSOLE	NI-1-DNI 145	DPM	0	COMM=C00860(ITS)						
85	SR RATE, CONTROL CONSOLE	NI-2-DNI 145	DPM	0	COMM=C00860(ITS)						
86	RATES AGREE WITHIN .2 DPM?	NI-1 & 2-DNI 145		YES	COMM=C00860(ITS)						
87	RATE, CONTROL CONSOLE	NI-15-DNI 145	DPM								
88	RATE, CONTROL CONSOLE	NI-14-DNI 145	DPM								

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

CONTRLRM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
89 *SR	IR AMPS CONTROL CONSOLE	NI-3-NI 145	AMPS	<1E-11	SR 3.3.10.1						
90 *SR	IR AMPS CONTROL CONSOLE	NI-4-NI 145	AMPS	<1E-11	SR 3.3.10.1						
91 *SR	NI-3 & 4-NI: HIGHEST <2 TIMES LOWEST?	NI-3 & 4-NI 145		YES YES	SR 3.3.10.1						
92 *SR	IR RATE CONTROL CONSOLE	NI-3-DNI 145	DPM	0	COMM=C40196(ITS)						
93 *SR	IR RATE CONTROL CONSOLE	NI-4-DNI 145	DPM	0	COMM=C40196(ITS)						
94 *SR	NI-3 & 4-DNI AGREED WITHIN .2 DEC/MIN?	NI-3 & 4-DNI 145		YES YES	COMM=C40196(ITS)						
95 *SR	NEUTRON FLUX NI-5; CONTROL CONSOLE	NI-5-NI 145	%	0 2	SR 3.3.1.1(1b)						
96 *SR	NEUTRON FLUX NI-6; CONTROL CONSOLE	NI-6-NI 145	%	0 2	SR 3.3.1.1(1b)						
97 *SR	NEUTRON FLUX NI-7; CONTROL CONSOLE	NI-7-NI 145	%	0 2	SR 3.3.1.1(1b)						
98 *SR	NEUTRON FLUX NI-8; CONTROL CONSOLE	NI-8-NI 145	%	0 2	SR 3.3.1.1(1b)						
99 *SR	NEUT. FLUX CHANNELS AGREE WITHIN $\pm 2\%$	NI-5,6,7,8 145		YES YES	SR 3.3.1.1(1b)						

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
100	SPENT FUEL POOL A TEMPERATURE	COMP.PT. X284 145	*F	120							
101	SPENT FUEL POOL B TEMPERATURE	COMP.PT. X285 145	*F	120							
102	DPGD-A "A" BATT GRND RESISTANCE	COMP.PT. E213 145	KOHMS	20							
103	DPGD-B "B" BATT GRND RESISTANCE	COMP.PT. E214 145	KOHMS	20							
104	DPGD-C "C" BATT GRND RESISTANCE	COMP. PT. E215 145	KOHMS	20							
105	TOXIC GAS MONITOR *SR CHANNEL A CHLORINE	COMP.PT. S263 145	PPM		COMM=C40128(ITS)						
106	TOXIC GAS MONITOR *SR CHANNEL B CHLORINE	COMP.PT. S297 145	PPM		COMM=C40128(ITS)						
107	CHLORINE CHANNELS AGREED WITHIN 1 PPM?	COMP.S263&S297 145		YES YES	COMM=C40128(ITS)						
108	TOXIC GAS MONITOR *SR CH. A-SULFUR DIOXIDE	COMP.PT. S298 145	PPM		COMM=C40130(ITS)						
109	TOXIC GAS MONITOR *SR CH. B-SULFUR DIOXIDE	COMP.PT. S299 145	PPM		COMM=C40130(ITS)						
110	SO2 CHANNELS AGREED WITHIN .6 PPM?	COMP.S298&S299 145		YES YES	COMM=C40130(ITS)						

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
111	DURING TEST, ALL ENGRAVED WINDOWS "ON"?	ANNUNCIATOR 145		YES YES				NA		NA	
112	DURING TEST, AUDIBLE ALARM ON?	ANNUNCIATOR 145		YES YES				NA		NA	
113	FS STG. TANK LEVEL "A"	FS-1-LI 145	FT	35	FIRE PROT. PLAN TABLE 6.1.b STATEMENT 1						
114	FS STG. TANK LEVEL "B"	FS-2-LI 145	FT	35	FIRE PROT. PLAN TABLE 6.1.b STATEMENT 1						
115	ALARM SUMMARY-REVIEW *SR SUBMIT TO NSS/ANSS	ALARM SUMMARY 145		YES YES	ADMIN.						
116	NI-1 POWER SUPPLY	NI-1 145	VOLTS	1940 2060	SR 3.3.9.1						
117	RCS Pressure, RPS Channel A	145	PSIG	<1700 1720	SR 3.3.1.1(11)						
118	NI-2 POWER SUPPLY	NI-2 145	VOLTS	1890 2010	SR 3.3.9.1						
119	RCS Pressure, RPS Channel B	145	PSIG	<1700 1720	SR 3.3.1.1(11)						
120	RCS Pressure, RPS Channel C	145	PSIG	<1700 1720	SR 3.3.1.1(11)						
121	RCS Pressure, RPS Channel D	145	PSIG	<1700 1720	SR 3.3.1.1(11)						

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

CONTRLM LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	YAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
111	DURING TEST, ALL ENGRAVED WINDOWS "ON"?	ANNUNCIATOR 145		YES YES				NA		NA	
112	DURING TEST, AUDIBLE ALARM ON?	ANNUNCIATOR 145		YES YES				NA		NA	
113	FS STG. TANK LEVEL "A"	FS-1-LI 145	FT	35	FIRE PROT. PLAN TABLE 6.1.b STATEMENT 1						
114	FS STG. TANK LEVEL "B"	FS-2-LI 145	FT	35	FIRE PROT. PLAN TABLE 6.1.b STATEMENT 1						
115	ALARM SUMMARY-REVIEW *SR SUBMIT TO NSS/ANSS	ALARM SUMMARY 145		YES YES	ADMIN.						
116	NI-1 POWER SUPPLY	NI-1 145	VOLTS	1940 2060	SR 3.3.9.1						
117	RCS Pressure, RPS Channel A	145	PSIG	<1700 1720	SR 3.3.1.1(11)						
118	NI-2 POWER SUPPLY	NI-2 145	VOLTS	1890 2010	SR 3.3.9.1						
119	RCS Pressure, RPS Channel B	145	PSIG	<1700 1720	SR 3.3.1.1(11)						
120	RCS Pressure, RPS Channel C	145	PSIG	<1700 1720	SR 3.3.1.1(11)						
121	RCS Pressure, RPS Channel D	145	PSIG	<1700 1720	SR 3.3.1.1(11)						

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

DATE: _____

User ID:
User Name:

[illegible]

2(Special Requirements) *Abnormal Readings*

ARKS:

CONTRLM SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

STA. SPECIAL REQUIREMENTS

- =====
- 6 IF recorder not operating properly THEN corresponding meter indication can be used for commitment C05915.
- 7 IF recorder not operating properly THEN corresponding meter indication can be used for commitment C05915.
- 8 IF recorder not operating properly THEN corresponding meter indication can be used for commitment C05915.
- 10 IF recorder not operating properly THEN corresponding meter indication can be used for commitment C05915.
- 53 NOT APPLICABLE WITH RV HEAD COMPLETELY DE-TENSIONED.
- 57 THE MINIMUM DH FLOW IS 1400 GPM. LOG ALL TIMES IN CONTROL CENTER NOTEBOOK WHEN FLOWS ARE LESS THAN MINIMUM.
- 62 NOT APPLICABLE WITH RV HEAD COMPLETELY DE-TENSIONED.
- 65 LTOP Commitments are not applicable with RV head completely de-tensioned.
- 74 NOT APPLICABLE WITH RV HEAD COMPLETELY DE-TENSIONED.
- 75 LTOP COMMITMENTS ARE NOT APPLICABLE WITH RV HEAD COMPLETELY DE-TENSIONED.
- 77 NOT APPLICABLE WITH RV HEAD COMPLETELY DE-TENSIONED.
- 78 NOT APPLICABLE WITH RV HEAD COMPLETELY DE-TENSIONED.
- 81 USING THE SAME TYPE OF INDICATORS (BF3 OR GAMMA-METRICS), THE HIGHEST SOURCE RANGE COUNTS ARE < 5 TIMES THE LOWEST.
IF NOT, CONTACT REACTOR ENGINEERING.
- IF USING THE GAMMA-METRICS SYSTEM (NI-14-NI OR NI-15-NI) TO TAKE THE PLACE OF THE BF3 SYSTEM (NI-1-NI OR NI-2-NI), THEN THE BF3 SYSTEM IS EXPECTED TO INDICATE 10 TO 30 TIMES GREATER THAN THE GAMMA-METRICS SYSTEM. IF NOT, CONTACT SYSTEMS ENGINEERING (REFERENCE: TECHNICAL SUPPORT LETTER NPTS 96-0107).
- 89 APPLICABLE ONLY WHEN ANY CRD BREAKERS ARE CLOSED AND CRD SYSTEM IS CAPABLE OF ROD WITHDRAWAL.
- 90 APPLICABLE ONLY WHEN ANY CRD BREAKERS ARE CLOSED AND CRD SYSTEM IS CAPABLE OF ROD WITHDRAWAL.
- 91 APPLICABLE ONLY WHEN ANY CRD BREAKERS ARE CLOSED AND CRD SYSTEM CAPABLE OF ROD WITHDRAWAL.
- 92 APPLICABLE ONLY WHEN ANY CRD BREAKERS ARE CLOSED AND CRD SYSTEM CAPABLE OF ROD WITHDRAWAL.
- 93 APPLICABLE ONLY WHEN ANY CRD BREAKERS ARE CLOSED AND CRD SYSTEM CAPABLE OF ROD WITHDRAWAL.
- 94 APPLICABLE ONLY WHEN ANY CRD BREAKERS ARE CLOSED AND CRD SYSTEM CAPABLE OF ROD WITHDRAWAL.
- 95 Applicable during shutdown bypass operation with any CRD trip breakers in the closed position and the CRD control system capable of rod withdrawal.
- 96 Applicable during shutdown bypass operation with any CRD trip breakers in the closed position and the CRD control system capable of rod withdrawal.
- 97 Applicable during shutdown bypass operation with any CRD trip breakers in the closed position and the CRD control system capable of rod withdrawal.
- 98 Applicable during shutdown bypass operation with any CRD trip breakers in the closed position and the CRD control system capable of rod withdrawal.
- 99 Applicable during shutdown bypass operation with any CRD trip breakers in the closed position and the CRD control system capable of rod withdrawal.
- 105 LOCAL METER INDICATORS MAY BE USED.
- 106 LOCAL METER INDICATORS MAY BE USED.
- 108 LOCAL METER INDICATORS MAY BE USED.
- 109 LOCAL METER INDICATORS MAY BE USED.

CONTRLM SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

STA.	SPECIAL REQUIREMENTS
115	Identify all unusual or unknown conditions by marking up the copy of printout prior to submitting to NSS/ANSS. Ensure proper documentation is in place to resolve any open issues.
122	ALL LOCKED UNLESS WORK IS BEING PERFORMED.
124	IF DISPLAYED READING IS > 360° OR < 0°, SUBTRACT OR ADD 360° RESPECTIVELY TO OBTAIN ACTUAL WIND DIRECTION. IF ALL THREE READINGS FOR THAT DAY WERE FROM THE WESTERLY QUADRANT IN RANGE OF 225° TO 315°, NOTIFY E.D. CARNAHAN OR ROY CARR (POSSIBLE GRASS INFLUX AT THE INTAKE MAY BE IMMINENT).
125	This is a Control Complex Habitability Envelope Door. There are no obvious large breaches that would appear to exceed 32 square inches. Immediately notify the SSOD for any reportability actions. Immediate action is required to close or otherwise seal the door. Any observed breach, regardless of size, should be sealed or otherwise repaired and inform the SSOD.

SPECIAL SURVEILLANCES ENCLOSURE

ENCLOSURE 2
(Page 1 of 3)

REDUCTION IN RCS BORON CONCENTRATION

Date _____

	DESCRIPTION	REQUIRED	ACTUAL											
COMM=C00488	Time	Hourly (\pm 7 Mins.)												
COMM=C00488	Either: RCP(s) Operating	≥ 1												
COMM=C00488	Or DHR Flow Rate	≥ 2700 GPM												

FLOOD CONTROL LOG - WHEN HURRICANE WATCH OR WARNING IS IN EFFECT

	DESCRIPTION	TIME/LEVEL											
C05499 C00711	Intake Structure Water Level *, **												

< 92 ft. - once per 12 hours

 ≥ 92 ft. - once per 4 hours ≥ 94 ft. - once per half hour

* Refer to the actions of 4.2.2 (this procedure)

**Reading may be taken at discharge canal or RW pit during adverse weather conditions.

COMMENTS:

Commitment C95292, C95297								Commitment C40218			
Reactor Vessel Level* (RC-201-LI1 or RC-201-LI-2 or RC-202LI or computer point R329/R330)				Reactor Vessel Level (Tygon Tubing)				RCS Temperature (DHP Suction Temp or Incore Temp)			
≥ 135 ft: Record Twice Per Shift < 135 ft: Record Hourly < 132 ft: Record Every 15 Mins.				> 135 ft: Record Twice Per Shift (PZR level can be used for this case only) < 135 ft: Record Hourly < 132 ft: Record Every 15 Mins.				≥ 135 ft: Record Hourly < 135 ft: Record Hourly-Use Incore If Avail. < 129 ft. 6 in.: Record Every 15 Mins. Using 2 Incore Temps INCORE TAG #'s /			
00	15	30	45	00	15	30	45	00	15	30	45
0000											
0100											
0200											
0300											
0400											
0500											
0600											
0700											
0800											
0900											
1000											
1100											
1200											
1300											
1400											
1500											
1600											
1700											
1800											
1900											
2000											
2100											
2200											
2300											

Shift	Completed By	Reviewed By	Date
00-08	_____	_____	_____
08-16	_____	_____	_____
16-24	_____	_____	_____

*This reading is NA if the RCS is partially drained (per Section 4.11 of OP-301, Operation of the Reactor Coolant System), and RCS Pressurizer Level is ≥ 60 inches.

**This page is not required to be completed if the Reactor Coolant System is filled and vented; or if the Fuel Transfer Canal is filled ≥ 156 feet; or if there is no fuel in the Reactor Vessel.

NPDES STATE OF FLORIDA REPORTING REQUIREMENTS

Date _____

C = Comm.	TIME	Comments	Normal Lineup* (M)	TO BE COMPLETED FOR OTHER THAN NORMAL ALIGNMENT								
				CWP'S THAT ARE ON (M)				RWP'S THAT ARE ON (M)				
				A	B	C	D	2A	2B	3A	3B	RWP-1
C08791	0000											
	0100											
	0200											
	0300											
	0400											
	0500											
	0600											
	0700											
	0800											
	0900											
	1000											
	1100											
	1200											
	1300											
	1400											
	1500											
	1600											
	1700											
	1800											
	1900											
	2000											
	2100											
	2200											
	2300											

* Normal lineup consists of all Circulating Water Pumps and RWP-1 running.

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
1	SP-301 SHUTDOWN SURVEILLANCE LOG			OK OK	REV. 93						
2	AUX BLDG. RADIATION MONITOR SOURCE CHECK	164		YES YES		NA				NA	
3 *SR	DOOR C-802 IS CLOSED	DOOR C-802 186		YES YES	LER 95-04						
4 *SR	DOOR C-701 IS CLOSED	DOOR C-701 170		YES YES	LER 95-04						
5	TCUR THROUGH AREA COMPLETE?	CHILLER ROOM 164		YES YES		NA					
6	CHILLER IN OPERATION	164		A B				NA		NA	
7	CHILLER 3A/3B OIL PRESSURE	CH-672/692-PI 164	PSIG	60 70				NA		NA	
8	CHILLER 3A/3B CONDENSER PRESSURE	CH-675/695-PI 164	PSIG	1				NA		NA	
9	CHILLER 3A/3B CLR. PRESSURE	CH-674/694-PI 164	IN HG	0 18				NA		NA	
10	CHP-1A/1B SUCTION PRESSURE	CH-646/651-PI 164	PSIG	5 15				NA		NA	
11	CHP-1A/1B DISCHARGE PRESSURE	CH-647/652-PI 164	PSIG	45 55				NA		NA	

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
12	CHILLER 3A/3B CLG. WATER OUTLET TEMP.	SW-30/31-TI 164	°F	100				NA		NA	
13	CHILLED WATER MAKEUP ISOLATION CLOSED?	CHV-19 164		YES YES	COMM=C97999			NA		NA	
14	CC VENT COOLER IN USE	164		A B				NA		NA	
15	CC VENT CLR. 3A/3B TEMPERATURE INLET	CH-627/623-TI 164	°F	40 60				NA		NA	
16	CC VENT CLR. 3A/3B TEMPERATURE OUTLET	CH-629/625-TI 164	°F	40 70				NA		NA	
17 *SR	DOOR C-508 IS CLOSED	DOOR C-508 145		YES YES	LER 95-04						
18 *SR	DOOR C-301 IS CLOSED	DOOR C-301 124		YES YES	LER 95-04						
19 *SR	480V ES BUS "A" TRANSFORMER TEMP.	124	°C	180							
20	480V ES BUS "A" TRANSFORMER LOAD	124	AMPS	1200							
21 *SR	480V ES BUS "B" TRANSFORMER TEMP.	124	°C	180							
22	480V ES BUS "B" TRANSFORMER LOAD	124	AMPS	1200							

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
23	BATTERY B1 DPDP-1B CUB.#1 DISCHARGING?	108		NO NO							
24	BATTERY B2 DPDP-1B CUB.#1 DISCHARGING?	108		NO NO							
25 *SR	BATTERY CHARGER "F" DC VOLTS	108	VOLTS	125 135							
26	BATTERY CHARGER "F" DC AMPS	108	AMPS	200							
27 *SR	BATTERY CHARGER "D" DC VOLTS	108	VOLTS	125 135							
28	BATTERY CHARGER "D" DC AMPS	108	AMPS	200							
29 *SR	BATTERY CHARGER "B" DC VOLTS	108	VOLTS	125 135							
30	BATTERY CHARGER "B" DC AMPS	108	AMPS	200							
31 *SR	BATTERY CHARGER "E" DC VOLTS	108	VOLTS	125 135							
32	BATTERY CHARGER "E" DC AMPS	108	AMPS	200							
33 *SR	BATTERY CHARGER "C" DC VOLTS	108	VOLTS	125 135							

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
34	BATTERY CHARGER "C" DC AMPS	108	AMPS	200							
35 *SR	BATTERY CHARGER "A" DC VOLTS	108	VOLTS	125 135							
36	BATTERY CHARGER "A" DC AMPS	108	AMPS	200							
37	BATTERY A1 DPDP-1A CUB.#18 DISCHARGING?	108		NO NO							
38	BATTERY A2 DPDP-1A CUB.#18 DISCHARGING?	108		NO NO							
39	INVERTER 1A AC OUT VOLTAGE	VB-001-EI 108	VOLTS	115 125	COMM=C95044						
40	INVERTER 1C AC OUT VOLTAGE	VB-003-EI 108	VOLTS	114 125	COMM=C95044						
41	INVERTER 3E AC OUT VOLTAGE	VB-005-EI 108	VOLTS	115 125	COMM=C95044						
42	INVERTER 1D AC OUT VOLTAGE	VB-004-EI 108	VOLTS	115 125	COMM=C95044						
43	INVERTER 1B AC OUT VOLTAGE	VB-002-EI 108	VOLTS	115 125	COMM=C95044						
44 *SR	DOOR C-101 IS CLOSED	DOOR C-101 95		YES YES	LER 95-04						

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
45	AIR FLOW AT A-105 IS FROM IB TO AB?	95		YES YES							
46	TENDON GALLERY SUMP FLOODED?	95		NO NO							
47	MUP-1A: ALL CONDITIONS NORMAL	MUP-1A 95		NORM NORM	COMM=C05553 COMM=C95259						
48 *SR	MUP-1B: ALL CONDITIONS NORMAL	MUP-1B 95		NORM NORM	COMM=C05553 COMM=C95259 PR 93-134						
49 *SR	MUP-1C: ALL CONDITIONS NORMAL	MUP-1C 95		NORM NORM	COMM=C05553 COMM=C95259 PR 93-134						
50 *SR	MUV-23 BKR POSITION ES-MCC-3A1 6BL1	95		L/R L/R				NA		NA	
51 *SR	MUV-24 BKR POSITION ES-MCC-3A1 6BR1	95		L/R L/R				NA		NA	
52 *SR	MUV-25 BKR POSITION ES-MCC-3A1 6BL2	95		L/R L/R				NA		NA	
53 *SR	MUV-26 BKR POSITION ES-MCC-3A1 6BR2	95		L/R L/R				NA		NA	
54 *SR	MUV-23 BKR POSITION ES-MCC-3B3 1BDR	95		L/R L/R				NA		NA	
55 *SR	MUV-25 BKR POSITION ES-MCC-3B3 2BDR	95		L/R L/R				NA		NA	

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX / TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
56	WGD-3A PRESSURE	WD-16-PI 95	PSIG	85							
57	WGD-3B PRESSURE	WD-17-PI 95	PSIG	85							
58	WGD-3C PRESSURE	WD-18-PI 95	PSIG	85							
59	RCDT LEVEL	WD-23-LI2 95	% LVL	57.5 70	COMM=C94028 ENG CALC I-91-0018R2						
60	RCDT PRESSURE	WD-22-PI2 95	PSIG	5							
61	RCDT TEMPERATURE	WD-24-TI 95	°F	120							
62	WASTE GAS HEADER PRESSURE	WD-4-PI 95	PSIG	2							
63	AUX BUILDING SUMP LEVEL	WD-29-LI 95	FT	6							
64	MWST LEVEL	WD-49-LI 95	% LVL	100							
65	NEUTRALIZER TANK LEVEL	WD-86-LI 95	% LVL	100				NA		NA	
66	CBAST 3A LEVEL	WD-78-LI 95	% LVL	100				NA		NA	

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
67	CBAST 3B LEVEL	WD-81-LI 95	% LVL	100				NA		NA	
68	CWST 3A LEVEL	WD-103-LI 95	% LVL	100				NA		NA	
69	CWST 3B LEVEL	WD-106-LI 95	% LVL	100				NA		NA	
70	ECST 3A LEVEL	WD-97-LI 95	% LVL	100							
71	ECST 3B LEVEL	WD-98-LI 95	% LVL	100							
72	LSST SUMP LEVEL	WD-36-LI 95	FT	6							
73	WD PANEL ANNUNCIATOR TEST:ALL WINDOWS ON?	95		YES YES				NA		NA	
74	O2 FRAC. WASTE GAS ANALYZER	WD-18-AT 95	% O2	2	ODCM 2.16.1			NA			
75 *SR	DISPLAY STATES O2: MEAS	WD-18-AT 95		YES YES	ODCM 2.16.1			NA			
76	H2 FRAC. WASTE GAS ANALYZER	WD-18-AT 95	% H2	4	ODCM 2.16.1			NA			
77 *SR	DISPLAY STATES H2: MEAS	WD-18-AT 95		YES YES	ODCM 2.16.1			NA			

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
78 *SR	CAB LOW FLOW ALARM IN ALARM?	95		NO NO	ODCM 2.16.1			NA			
79	CAB HIGH H2/O2 IN ALARM?	95		NO NO	ODCM 2.16.1 ODCM 2.18.1						
80	H2/O2 ANALYZER HAS POWER ON?	95		YES YES	ODCM 2.16.1			NA			
81	DOFL 2A/2B INLET PRESSURE	DO-82-PI 95	PSIG					NA		NA	
82	DOFL 2A/2B OUTLET PRESSURE	DO-83-PI 95	PSIG					NA		NA	
83	DO FILTER DELTA PRES (DO-82PI)-(DO-83PI)	DO-82&83-PI 95	PSID	12				NA		NA	
84	RWP-3A DISCHARGE PRESSURE	RW-7-PI 95	PSIG	23 29							
85	RWP-2A DISCHARGE PRESSURE	RW-3-PI 95	PSIG	48 58							
86 *SR	RWP-1 DISCHARGE PRESSURE	RW-2-PI 95	PSIG	26 32							
87	RWP-2B DISCHARGE PRESSURE	RW-1-PI 95	PSIG	48 58							
88	RWP-3B DISCHARGE PRESSURE	RW-6-PI 95	PSIG	24 30							

*SR(Special Requirements)

»Abnormal Readings«

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
89 *SR	RWP-3A FLUSH WATER FLOW	D0-72-FI 95	GPM	.5							
90 *SR	RWP-3A FLUSH WATER FLOW	D0-73-FI 95	GPM	.5							
91 *SR	RWP-2A FLUSH WATER FLOW	D0-74-FI 95	GPM	.5							
92 *SR	RWP-2A FLUSH WATER FLOW	D0-75-FI 95	GPM	.5							
93 *SR	TOTAL OF D0-72,73,74 AND 75-FI FLOWS	D0-72 TO 75-FI 95	GPM	4	NED 95-0374						
94 *SR	RWP-1 FLUSH WATER FLOW	D0-76-FI 95	GPM	.5							
95 *SR	RWP-1 FLUSH WATER FLOW	D0-77-FI 95	GPM	.5							
96 *SR	RWP-2B FLUSH WATER FLOW	D0-78-FI 95	GPM	.5							
97 *SR	RWP-2B FLUSH WATER FLOW	D0-79-FI 95	GPM	.5							
98 *SR	RWP-3B FLUSH WATER FLOW	D0-80-FI 95	GPM	.5							
99 *SR	RWP-3B FLUSH WATER FLOW	D0-81-FI 95	GPM	.5							

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
100 *SR	TOTAL OF D0-78,79,80 AND 81-FI FLOWS	D0-78 TO 81-FI 95	GPM	4	NED 95-0374						
101 *SR	SWHE-1A OUTLET TEMPERATURE	SW-123-TI 95	*F	100							
102 *SR	SWHE-1B OUTLET TEMPERATURE	SW-124-TI 95	*F	100							
103 *SR	SWHE-1C OUTLET TEMPERATURE	SW-125-TI 95	*F	100							
104 *SR	SWHE-1D OUTLET TEMPERATURE	SW-126-TI 95	*F	100							
105	RM-L5 FLOW	DC-45-FI 95	GPM	1 1.5							
106	RM-L6 FLOW	DC-46-FI 95	GPM	1 1.5							
107	DCHE-1A INLET TEMPERATURE	DC-34-TI 95	*F								
108	DCHE-1B INLET TEMPERATURE	DC-38-TI 95	*F								
109 *SR	DCHE-1A OUTLET TEMPERATURE	DC-36-TI 95	*F	115							
110 *SR	DCHE-1B OUTLET TEMPERATURE	DC-40-TI 95	*F	115							

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
111 *SR	SWHE-1A CATHODIC PROTECTION JUNC BOX	95		NLL NLL				NA		NA	
112 *SR	SWHE-1B CATHODIC PROTECTION JUNC BOX	95		NLL NLL				NA		NA	
113 *SR	SWHE-1C CATHODIC PROTECTION JUNC BOX	95		NLL NLL				NA		NA	
114 *SR	SWHE-1D CATHODIC PROTECTION JUNC BOX	95		NLL NLL				NA		NA	
115 *SR	DCHE-1A CATHODIC PROTECTION JUNC BOX	95		NLL NLL				NA		NA	
116 *SR	DCHE-1B CATHODIC PROTECTION JUNC BOX	95		NLL NLL				NA		NA	
117	SW COOLERS OUTLET PRESSURE	SW-1-PI 95	PSIG	70 100							
118	SWP-1C PUMP VENTED?	95		YES YES				NA		NA	
119	RM-L3 FLOW	SW-197-FI 95	GPM	1 1.5							
120	SW DISCHARGE HEADER PRESSURE	SW-3-PI 95	PSIG	130 180							
121	EDG-1B AIR RESVS. DRAINED?	119		YES YES		NA		NA			

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
122	EDG-1B ALARM PANEL IN ALARM?	119		NO NO							
123	EDG-1B CONTROL POWER LIGHTS ON	119		5							
124	EDG-1B SPEED DROP SET TO 0?	119		YES YES							
125 *SR	EDG-1B GOVERNOR OIL LEVEL SIGHTGLASS	119		NORM NORM							
126	EDG-1B STARTING AIR PRESSURE	EG-18-PI 119	PSIG	225	COMM=C05626						
127 *SR	EDG-1B LUBE OIL LEVEL DIP STICK	119		NORM NORM		NA		NA			
128 *SR	EDG-1B GENERATOR BRG OIL LEVEL SIGHTGLASS	119		NORM NORM		NA		NA			
129 *SR	EDG-1B DAY TANK LEVEL	DF-6-LI 119	IN	27		NA		NA			
130	EDG-1B LUBE OIL TEMPERATURE	DL-24-TI 119	°F	110							
131	EDG-1B JACKET COOLANT TEMPERATURE	DJ-18-TI 119	°F	123 152							
132	EDG-1B JACKET COOLANT TANK LEVEL	DIPSTICK 119	IN.	5 8		NA		NA			

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
133	EDG-1B EXCESS OIL WIPE DOWN?	119		YES YES							
134 *SR	EDG-1B LUBE OIL DRUM?	119		YES YES		NA		NA			
135	EDG-1B NO MORE THAN 1 DRUM IN ROOM?	119		YES YES							
136	EDG-1A JACKET COOLANT TEMPERATURE	DJ-17-TI 119	*F	123 152							
137	EDG-1A JACKET COOLANT TANK LEVEL	DIPSTICK 119	IN.	5 8		NA		NA			
138	EDG-1A STARTING AIR PRESSURE	EG-17-PI 119	PSIG	225	COMM=C05626						
139 *SR	EDG-1A GOVERNOR OIL LEVEL SIGHTGLASS	119		NORM NORM							
140	EDG-1A SPEED DROP SET TO 0?	119		YES YES							
141 *SR	EDG-1A LUBE OIL LEVEL DIP STICK	119	IN	NORM NORM		NA		NA			
142 *SR	EDG-1A LUBE OIL DRUM?	119		YES YES		NA		NA			
143	EDG-1A CONTROL POWER LIGHTS ON	119		5							

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX B'DG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
144 *SR	EDG-1A GENERATOR BRG OIL LEVEL SIGHTGLASS	119		NORM NORM		NA		NA			
145 *SR	EDG-1A DAY TANK LEVEL	DF-5-LI 119	IN	27		NA		NA			
146	EDG-1A LUBE OIL TEMPERATURE	DL-23-TI 119	*F	110							
147	EDG-1A EXCESS OIL WIPED DOWN?	119		YES YES							
148	EDG-1A NO MORE THAN 1 DRUM IN ROOM?	119		YES YES							
149	EDG-1A ALARM PANEL IN ALARM?	119		NO NO							
150	EDG-1A AIR RESVS. DRAINED?	119		YES YES		NA		NA			
151	BAST "A" TEMPERATURE	CA-10-TI 119	*F	105	COMM=C00509						
152	BAST "A" LEVEL	CA-11-LI 119	IN	15	COMM=C00509						
153	BAST "B" TEMPERATURE	CA-12-TI 119	*F	105	COMM=C00509						
154	BAST "B" LEVEL	CA-13-LI 119	IN	15	COMM=C00509						

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 53

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
155 *SR	MUV-24 BKR POSITION ES-MCC-3B1 5CR1	119		L/R L/R				NA		NA	
156 *SR	MUV-26 BKR POSITION ES-MCC-3B1 5CR2	119		L/R L/R				NA		NA	
157 *SR	CFV-5 BKR POSITION ES-MCC-3AB CUB. 6B	119		L/R L/R							
158 *SR	CFV-6 BKR POSITION ES-MCC-3AB CUB. 6C	119		L/R L/R							
159	MU PREFILTER INLET PRESSURE	MU-105-PI 119	PSIG	150							
160	SFP-1A DISCHARGE PRESSURE	SF-4-PI1 119	PSIG	50 60							
161	SFP-1B DISCHARGE PRESSURE	SF-4-PI2 119	PSIG	50 60							
162	SF DEMIN DELTA PRESSURE	SF-18-DPI 119	PSIG	25				NA		NA	
163	DW PUMP IN USE	143		A B							
164	DW FILTER OUTLET PRESSURE	DW-7-PI 143	PSIG								
165	DW FILTER INLET PRESSURE	DW-8-PI 143	PSIG								

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID: _____

User Name: _____

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
166	DW FILTER DELTA PRES DW-7-PI - DW-8-PI	143	PSIG	25							
167	DW STORAGE TANK LEVEL	DW-20-LI 143		NORM NORM							
168 *SR	SF COOLING WATER FLOW RATE	SF-9-FIT 143	GPM								
169 *SR	SF PURIFICATION FLOW RATE	SF-2-FI 143	GPM	15 180							
170	TOTAL SF FLOW SF9-FIT + SF-2-FI	143	GPM	1600							
171	SF FILTER "A" DELTA PRESSURE	SF-3-DPI1 143	PSID	25							
172	SF FILTER "B" DELTA PRESSURE	SF-3-DPI2 143	PSID	25							
173	DHP-1A SUCTION PRESSURE	DH-4-PI1 75	PSIG	330							
174	DHP-1A DISCHARGE PRESSURE	DH-31-PI 75	PSIG								
175	DHP-1A CYCLONE SEP. PRESSURE	DH-32-PI 75	PSIG								
176	DHP-1A CYCL. SEP. dp DH-31-PI - DH-32-PI	75	PSIG	80 110							

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
177	DHP-1B SUCTION PRESSURE	DH-4-PI2 75	PSIG	330							
178	DHP-1B DISCHARGE PRESSURE	DH-34-PI 75	PSIG								
179	DHP-1B CYCLONE SEP. PRESSURE	DH-35-PI 75	PSIG								
180	DHP-1B CYCL. SEP. dp DH-34-PI - DH-35-PI	75	PSIG	80 110							
181 *SR	HT-001-TR POINTS 2 TO 19	HT-001-TR 119		NORM NORM				NA		NA	
182 *SR	HT-002-TR POINTS 1 TO 18,23,24	HT-002-TR 119		NORM NORM				NA		NA	
183 *SR	HT-003-TR POINTS 1 TO 17	HT-003-TR 95		NORM NORM				NA		NA	
184 *SR	HT-004-TR POINTS 4 TO 23	HT-004-TR 95		NORM NORM				NA		NA	
185 *SR	HT-005-TR POINTS 1, 3 TO 24	HT-005-TR 119		NORM NORM				NA		NA	
186 *SR	HT-006-TR POINTS 1,2,4 TO 7	HT-006-TR 95		NORM NORM				NA		NA	
187 *SR	HT-007-TR POINTS 1 TO 17	HT-007-TR 119		NORM NORM				NA		NA	

*SR(Special Requirements) *Abnormal Readings*

Approver Name: _____

R.MARKS: _____

AUX BLDG LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
188 *SR	HT-008-TR POINTS 1 TO 21	HT-008-TR 119		NORM NORM				NA		NA	
189 *SR	WASTE GAS LOOP SEALS FILLED?			YES YES	COMM=C00954						
190 *SR	OBSERVED AB RAD. SIGNS AND BARRICADES	MSC		NORM NORM							
191 *SR	VITAL AREA BARRIERS OBSERVED DURING RND	MSC		NORM NORM							

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

AUX BLDG SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

STA. SPECIAL REQUIREMENTS

- 3 THIS IS A CONTROL COMPLEX HABITABILITY ENVELOPE DOOR. THERE ARE NO OBVIOUS LARGE BREACHES THAT WOULD APPEAR TO EXCEED 32 SQUARE INCHES. IMMEDIATELY NOTIFY THE SSOD FOR ANY REPORTABILITY ACTIONS. IMMEDIATE ACTION IS REQUIRED TO CLOSE OR OTHERWISE SEAL THE DOOR. ANY OBSERVED BREACH, REGARDLESS OF SIZE, SHOULD BE SEALED OR OTHERWISE REPAIRED AND INFORM THE SSOD.
- 4 THIS IS A CONTROL COMPLEX HABITABILITY ENVELOPE DOOR. THERE ARE NO OBVIOUS LARGE BREACHES THAT WOULD APPEAR TO EXCEED 32 SQUARE INCHES. IMMEDIATELY NOTIFY THE SSOD FOR ANY REPORTABILITY ACTIONS. IMMEDIATE ACTION IS REQUIRED TO CLOSE OR OTHERWISE SEAL THE DOOR. ANY OBSERVED BREACH, REGARDLESS OF SIZE, SHOULD BE SEALED OR OTHERWISE REPAIRED AND INFORM THE SSOD.
- 17 THIS IS A CONTROL COMPLEX HABITABILITY ENVELOPE DOOR. THERE ARE NO OBVIOUS LARGE BREACHES THAT WOULD APPEAR TO EXCEED 32 SQUARE INCHES. IMMEDIATELY NOTIFY THE SSOD FOR ANY REPORTABILITY ACTIONS. IMMEDIATE ACTION IS REQUIRED TO CLOSE OR OTHERWISE SEAL THE DOOR. ANY OBSERVED BREACH, REGARDLESS OF SIZE, SHOULD BE SEALED OR OTHERWISE REPAIRED AND INFORM THE SSOD.
- 18 THIS IS A CONTROL COMPLEX HABITABILITY ENVELOPE DOOR. THERE ARE NO OBVIOUS LARGE BREACHES THAT WOULD APPEAR TO EXCEED 32 SQUARE INCHES. IMMEDIATELY NOTIFY THE SSOD FOR ANY REPORTABILITY ACTIONS. IMMEDIATE ACTION IS REQUIRED TO CLOSE OR OTHERWISE SEAL THE DOOR. ANY OBSERVED BREACH, REGARDLESS OF SIZE, SHOULD BE SEALED OR OTHERWISE REPAIRED AND INFORM THE SSOD.
- 19 RECORD THE TEMP. THEN RESET THE "RED" RECORDING POINTER TO THE EXISTING TEMPERATURE. IF THE RECORDED TEMPERATURE IS 180 DEGREES C OR GREATER, WRITE A WORK REQUEST TO INVESTIGATE THE HIGH READING.
- 21 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS RESET BUTTON.
- 25 ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.

NORMAL CONFIGURATION = 58 CELLS/BATT

BYPASS CONFIGURATION
= 57 CELLS/BATT

58 CELL = 125 TO 135 (FLOAT MODE); 125 TO 135.8 (EQ. MODE)

57 CELL = 123 TO 133

- 27 ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.

NORMAL CONFIGURATION
= 58 CELLS/BATT

BYPASS CONFIGURATION
= 57 CELLS/BATT

58 CELL = 125 TO 135 (FLOAT MODE); 125 TO 135.8 (EQ. MODE)

57 CELL = 123 TO 133

- 29 ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.

NORMAL CONFIGURATION
= 58 CELLS/BATT

BYPASS CONFIGURATION

AUX BLDG SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

STA. SPECIAL REQUIREMENTS

- =====
- 31 = 57 CELLS/BATT
58 CELL = 125 TO 135 (FLOAT MODE); 125 TO 135.8 (EQ. MODE)
57 CELL = 123 TO 133
ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.
NORMAL CONFIGURATION
= 58 CELLS/BATT
BYPASS CONFIGURATION
= 57 CELLS/BATT
58 CELL = 125 TO 135 (FLOAT MODE); 125 TO 135.8 (EQ. MODE)
57 CELL = 123 TO 133
ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.
NORMAL CONFIGURATION
= 58 CELLS/BATT
BYPASS CONFIGURATION
= 57 CELLS/BATT
58 CELL = 125 TO 135 (FLOAT MODE); 125 TO 135.8 (EQ. MODE)
57 CELL = 123 TO 133
ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.
NORMAL CONFIGURATION
= 58 CELLS/BATT
BYPASS CONFIGURATION
= 57 CELLS/BATT
58 CELL = 125 TO 135 (FLOAT MODE); 125 TO 135.8 (EQ. MODE)
57 CELL = 123 TO 133
THIS IS A CONTROL COMPLEX HABITABILITY ENVELOPE DOOR. THERE ARE NO OBVIOUS LARGE
BREACHES THAT WOULD APPEAR TO EXCEED 32 SQUARE INCHES. IMMEDIATELY NOTIFY THE
SSOD FOR ANY REPORTABILITY ACTIONS. IMMEDIATE ACTION IS REQUIRED TO CLOSE OR
OTHERWISE SEAL THE DOOR. ANY OBSERVED BREACH, REGARDLESS OF SIZE, SHOULD BE
SEALED OR OTHERWISE REPAIRED AND INFORM THE SSOD.
ALSO OBSERVE THAT THE VALVES FROM THE SPENT FUEL LEAK CHASE PIPING ARE OPEN AND
THERE IS NO SIGNIFICANT LEAKAGE INTO THE COLLECTION FUNNEL.
ALSO OBSERVE THAT THE VALVES FROM THE SPENT FUEL LEAK CHASE PIPING ARE OPEN AND
THERE IS NO SIGNIFICANT LEAKAGE INTO THE COLLECTION FUNNEL.
NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.

AUX BLDG SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

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STA. SPECIAL REQUIREMENTS

=====

55 NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
75 IF NOT YES, THEN RESOLVE WITH ASSISTANCE FROM I&C OR THE SYSTEM ENGINEER.
77 IF NOT YES, THEN RESOLVE WITH ASSISTANCE FROM I&C OR THE SYSTEM ENGINEER.
78 ANALYZERS NEED A MINIMUM FLOW TO OPERATE PROPERLY.
86 CONTACT SYSTEM ENGINEER IF OUTSIDE ACCEPTABLE RANGE.
89 NORMAL FLOW OF \approx 2 GPM.
90 NORMAL FLOW OF \approx 2.5 GPM.
91 NORMAL FLOW OF \approx 2 GPM.
92 NORMAL FLOW OF 2.5 GPM.
93 IF NOT ACCEPTABLE, RESOLVE WITH SYSTEM ENGINEER.
94 NORMAL FLOW OF \approx 2 GPM.
95 NORMAL FLOW OF \approx 2.5 GPM.
96 NORMAL FLOW OF \approx 2 GPM.
97 NORMAL FLOW OF \approx 2.5 GPM.
98 NORMAL FLOW OF \approx 2 GPM.
99 NORMAL FLOW OF \approx 2.5 GPM.
100 IF NOT ACCEPTABLE, RESOLVE WITH SYSTEM ENGINEER.
101 PER FSAR TABLE 9-12, GENERATE A PROBLEM REPORT PER CP-111 IF EXCEEDED.
102 PER FSAR TABLE 9-12, GENERATE A PROBLEM REPORT PER CP-111 IF EXCEEDED.
103 PER FSAR TABLE 9-12, GENERATE A PROBLEM REPORT PER CP-111 IF EXCEEDED.
104 PER FSAR TABLE 9-12, GENERATE A PROBLEM REPORT PER CP-111 IF EXCEEDED.
109 PER FSAR TABLE 9-12, GENERATE A PROBLEM REPORT PER CP-111 IF EXCEEDED.
110 PER FSAR TABLE 9-12, GENERATE A PROBLEM REPORT PER CP-111 IF EXCEEDED.
111 NO LIGHTS LIT
112 NO LIGHTS LIT
113 NO LIGHTS LIT
114 NO LIGHTS LIT
115 NO LIGHTS LIT
116 NO LIGHTS LIT
125 BETWEEN MARKS.
127 1" TO 2" ABOVE FULL
128 BETWEEN MARKS.
129 USE DIP STICK IF DESIRED. IF DIP STICK USED, PLACE COMMENT IN NOTES.
134 AT LEAST 1/2 DRUM OF LUBE OIL READILY AVAILABLE, EITHER IN THIS ROOM OR ALSO IN
THE EDG CONTROL PANEL ROOM. THERE MUST NOT BE GREATER THAN 1 DRUM OF LUBE OIL
IN THE EDG CONTROL PANEL ROOM. THERE MUST NOT BE GREATER THAN 1 DRUM OF LUBE OIL
IN THIS EDG ENGINE ROOM.
139 BETWEEN MARKS.
141 1" TO 2" ABOVE FULL
142 AT LEAST 1/2 DRUM OF LUBE OIL READILY AVAILABLE, EITHER IN THIS ROOM OR ALSO IN
THE EDG CONTROL PANEL ROOM. THERE MUST NOT BE GREATER THAN 1 DRUM OF LUBE OIL
IN THE EDG CONTROL PANEL ROOM. THERE MUST NOT BE GREATER THAN 1 DRUM OF LUBE OIL
IN THIS EDG ENGINE ROOM.
144 BETWEEN MARKS.
145 USE DIP STICK IF DESIRED. IF DIP STICK USED, PLACE COMMENT IN NOTES.
155 LTOP COMMITMENTS ARE NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
156 LTOP COMMITMENTS ARE NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
157 LTOP COMMITMENTS ARE NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
158 LTOP COMMITMENTS ARE NOT APPLICABLE WHEN THE RV HEAD IS COMPLETELY DETENSIONED.
168 TOTAL OF COOLING WATER PLUS PURIF. WATER TO BE \leq 1600 GPM.
169 TOTAL OF COOLING WATER PLUS PURIF. WATER TO BE \leq 1600 GPM.
181 SUFFICIENT INK AND PAPER.

AUX BLDG SPECIAL REQUIREMENTS
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STA.	SPECIAL REQUIREMENTS
=====	=====
182	SUFFICIENT INK AND PAPER.
183	SUFFICIENT INK AND PAPER.
184	SUFFICIENT INK AND PAPER.
185	SUFFICIENT INK AND PAPER.
186	SUFFICIENT INK AND PAPER.
187	SUFFICIENT INK AND PAPER.
188	SUFFICIENT INK AND PAPER.
189	VERIFY LOOP SEALS FILLED FOR CONCENTRATED WASTE STORAGE TANKS (WDT-7A & 7B), CONCENTRATED BORIC ACID TANKS (WDT 8A & 8B), RC BLEED TANKS' COMMON LOOP SEAL (WDT-3A,3B,&3C), SPENT RESIN STORAGE TANK (WDT-6), AND MISCELLANEOUS WASTE STORAGE TANK (WDT-4).
190	NOTE: DURING BUILDING TOURS FOR LOGS THE OPERATOR IS EXPECTED TO OBSERVE ONLY THE RADIATION SIGNS AND BARRICADES THAT ARE COINCIDENT WITH HIS NORMAL ROUNDS. THESE ITEMS SHOULD BE PROPER, SECURE, AND CONSISTENT.
191	NOTE: DURING BUILDING TOURS FOR LOGS THE OPERATOR IS EXPECTED TO OBSERVE ONLY THOSE VITAL AREA BARRIERS THAT ARE COINCIDENT WITH HIS NORMAL ROUNDS. THERE SHOULD BE NO OBVIOUS BARRIER DEFICIENCIES SUCH AS OPEN DOORS/GATES, BROKEN CARD READERS, OPEN LOCKS, ETC.

TURB 1 LOG READINGS
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User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
1	SP-301 SHUTDOWN SURVEILLANCE LOG			OK OK	REV.93						
2	DOMESTIC WTR STORAGE TANK LEVEL	DO-46-LI 170	FT	4 8.5							
3	DEAERATOR LEVEL	FW-124-LI 145	FT	0 12							
4 *SR	DUPLEX STRAINER CIS-3	CI-741-DPI 145	PSID	10		NA				NA	
5	OZONE INJECTION VENTURI INLET	CIP-5 145	PSIG	27 29		NA				NA	
6	OZONE INJECTION VENTURI OUTLET	CIP-5 145	PSIG	4 6		NA				NA	
7	CIP-1A DISCHARGE PRESSURE	CI-746-PI 145	PSIG	50 55		NA				NA	
8	CIP-1B DISCHARGE PRESSURE	CI-744-PI 145	PSIG	50 55		NA				NA	
9	OZONE SKID VOLTAGE	145	VOLTS	50 195		NA				NA	
10	OZONE SKID CURRENT	145	AMPS	1 6.2		NA				NA	
11	OZONE SKID AIR FLOW	145	SCFM	90 110		NA				NA	

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

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DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
12	OZONE SKID SUPPLY AIR PRESSURE	145	PSIG	100 110		NA				NA	
13 *SR	OZONE SKID: OXIDATION REDUCTION POTENTIAL	ORP 145		547		NA				NA	
14 *SR	SIMPLEX STRAINER CIS-1	CI-740-DPI 145	PSID	20		NA				NA	
15	SEAL OIL SUPPLY - EXCITER END	TB-182-PI 145	PSIG	10 75							
16	SEAL OIL SUPPLY - TURBINE END	TB-183-PI 145	PSIG	10 75							
17 *SR	BRC LIFT OIL SUPPLY PRESSURE	TB-293-PI 145	PSIG	1380 1650							
18 *SR	RCP-1A UPPER OIL RESERVOIR CHANNEL 1	RC-190-LI 119	% LVL								
19 *SR	RCP-1A LOWER OIL RESERVOIR CHANNEL 2	RC-190-LI 119	% LVL								
20 *SR	RCP-1B UPPER OIL RESERVOIR CHANNEL 3	RC-190-LI 119	% LVL								
21 *SR	RCP-1B LOWER OIL RESERVOIR CHANNEL 4	RC-190-LI 119	% LVL								
22 *SR	RCP-1B UPPER OIL RESERVOIR CHANNEL 5	RC-190-LI 119	% LVL								

*SR(Special Requirements)

Abnormal Readings

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TURB : LOG READINGS
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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
23 *SR	RCP-1C LOWER OIL RESERVOIR CHANNEL 6	RC-190-LI 119	% LVL								
24 *SR	RCP-1D UPPER OIL RESERVOIR CHANNEL 7	RC-190-LI 119	% LVL								
25 *SR	RCP-1D LOWER OIL RESERVOIR CHANNEL 8	RC-190-LI 119	% LVL								
26	CI CIRC PUMP IN USE	119		A B							
27	CIP-2A/2B DISCHARGE PRESSURE	CI-100/102-PI 119	PSIG	55							
28	CIP-2A/2B SUCTION PRESSURE	CI-99/101-PI 119	PSIG	10							
29 *SR	RB CHILLER TRANSFORMER TEMP.	MTSW-4 119	°C	180							
30	FIRE SYSTEM SURGE TANK LVL SIGHTGLASS	119	% LVL	75							
31	FIRE SYSTEM PRESSURE	FS-84-PI 119	PSIG	105							
32	FSP-2A FUEL OIL STORAGE TANK LEVEL	FS-13-LIS 119	% LVL	80							
33	FSP-2B FUEL OIL STORAGE TANK LEVEL	FS-14-LIS 119	% LVL	80							

*SR(Special Requirements)

Abnormal Readings

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REMARKS: _____

TURB 1 LOG READINGS
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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/CGMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
34	AUX STEAM SUPPLY HEADER PRESSURE	AS-25-P1 119	PSIG	120							
35	AUX STEAM SUPPLY HEADER TEMPERATURE	AS-17-TIC 119	°F	500							
36	ASV-27 CONTROLLER SETPOINT > 0?	AS-21-PC 119		YES YES							
37	NEUTRALIZER TANK LEVEL	CX-112-LI 119	FT	20							
38	BACKUP ES XFMR GAS PRESSURE	MTTR-6 119	PSIG	0 5							
39	BACKUP ES XFMR HI WINDING TEMP	MTTR-6 119	°C	90							
40	BACKUP ES XFMR LIQUID TEMP.	MTTR-6 119	°C	90							
41 *SR	BACKUP ES XFMR LIQUID LEVEL OK	MTTR-6 119		YES YES							
42	STARTUP TRANSFORMER COMBUSTIBLE GAS VOL.	119	CC	0 200							
43	SU XFMR WINDING TEMP HIGHEST OF A/B/C	MT-37-TIS 119	°C	120							
44	STARTUP XFMR. LIQUID TEMPERATURE	MT-36-TIS 119	°C	90							

*SR(Special Requirements)

Abnormal Readings

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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
45 *SR	STEP-UP XFMR. "A" COMBUSTIBLE GAS VOL.	119	CC	0 200							
46 *SR	STEP-UP XFMR. "A" LIQUID TEMPERATURE	MT-40-TIS 119	°C	90							
47 *SR	STEP-UP XFMR. "A" WINDING TEMPERATURE	MT-41-TIS 119	°C	105							
48 *SR	STEP-UP XFMR. "A" CLRS. DEBRIS CLEAR?	119		YES YES							
49 *SR	STEP-UP XFMR. "B" COMBUSTIBLE GAS VOL.	119	CC	0 200							
50 *SR	STEP-UP XFMR. "B" LIQUID TEMPERATURE	MT-43-TIS 119	°C	90							
51 *SR	STEP-UP XFMR. "B" WINDING TEMPERATURE	MT-44-TIS 119	°C	105							
52 *SR	STEP-UP XFMR. "B" CLRS. DEBRIS CLEAR?	119		YES YES							
53 *SR	STEP-UP XFMR. "C" COMBUSTIBLE GAS VOL.	119	CC	0 200							
54 *SR	STEP-UP XFMR. "C" LIQUID TEMPERATURE	MT-46-TIS 119	°C	90							
55 *SR	STEP-UP XFMR. "C" WINDING TEMPERATURE	MT-47-TIS 119	°C	105							

*SR(Special Requirements)

Abnormal Readings

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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
56 *SR	STEP-UP XFMR. "C" CLRS. DEBRIS CLEAR?	119		YES YES							
57 *SR	AUX XFMR. COMBUSTIBLE GAS VOL.	119	CC	0 200							
58 *SR	AUX XFMR WIND. TEMP HIGHEST OF A/B/C	MT-50-TIS 119	°C	120							
59 *SR	AUX XFMR. LIQUID TEMPERATURE	MT-49-TIS 119	°C	90							
60 *SR	SAP-1C OIL LEVEL **SEE SPECIAL REQ.**	SAP-1C 119		YES YES							
61 *SR	AUTO DRAIN OUTLET, INNERCOOLER	SAP-1C		YES YES		NA		NA			
62 *SR	AUTO DRAIN OUTLET, AFTERCOOLER	SAP-1C		YES YES		NA		NA			
63	SAP-1C LP OUTLET AIR TEMPERATURE	SA-103-TIS	° F	400		NA		NA			
64	SAP-1C HP OUTLET AIR TEMPERATURE	SA-104-TIS	° F	400		NA		NA			
65	SAP-1C HP INLET AIR TEMPERATURE	SA-110-TIS	° F	150		NA		NA			
66	SAP-1C OIL PRESSURE	SA-105-PI	PSIG	25		NA		NA			

*SR(Special Requirements)

Abnormal Readings

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TURB 1 LOG READINGS
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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
67 *SR	SAP-1E DRAIN VALVE OPEN AND BLOWING?	SAV-153		YES YES		NA		NA			
68	SAP-1D OIL LEVEL > ADD MARK?	119		YES YES							
69	SAP-1D 1ST STAGE DISCHARGE AIR TEMP.	SA-100-TI 119	*F	440		NA		NA			
70	SAP-1D 2ND STAGE DISCHARGE AIR TEMP.	SA-101-TI 119	*F	440		NA		NA			
71 *SR	SAP-1D DRAIN VALVE OPEN AND BLOWING?	SAV-154		YES YES		NA		NA			
72 *SR	SAP-1D DRAIN VALVE OPEN AND BLOWING?	SAV-155		YES YES		NA		NA			
73 *SR	DIESEL AIR COMP. OIL LEVEL > MIN.?	119		YES YES							
74 *SR	DIESEL AIR COMP.FUEL OIL LVL ≥1/2 FULL?	119		YES YES							
75 *SR	LIQUID N2 TANK LEVEL NORTH TANK	119	IN	30 100							
76	LIQUID N2 TANK PRESS NORTH TANK	119	PSIG	110							
77 *SR	LIQUID N2 TANK LEVEL SOUTH TANK	119	IN	30 100							

*SR(Special Requirements)

Abnormal Readings

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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
78	LIQUID N2 TANK PRESS SOUTH TANK	119	PSIG	110							
79	N2 REGULATOR DOWNSTREAM PRESSURE	NG-26-PI 119	PSIG	70 100							
80	CARDOX SYSTEM LEVEL	CO-1-LI T&C		7.0 10.0							
81	CARDOX SYSTEM PRESSURE	CO-1-PI 119	PSIG	290 320							
82 *SR	480V HEAT AUX BUS TRANSFORMER TEMP.	95	°C	180							
83 *SR	480V PLANT AUX BUS TRANSFORMER TEMP.	95	°C	180							
84 *SR	480V RX AUX BUS 3B TRANSFORMER TEMP.	95	°C	180							
85 *SR	480V RX AUX BUS 3A TRANSFORMER TEMP.	95	°C	180							
86 *SR	480V TURB AUX BUS 3B TRANSFORMER TEMP.	95	°C	180							
87 *SR	480V TURB AUX BUS 3A TRANSFORMER TEMP.	95	°C	180							
88 *SR	4160V REACTOR AUX TRANSFORMER TEMP.	MTSW 2G 95	°C	180							

*SR(Special Requirements)

Abnormal Readings

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STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX / TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
89 *SR	GENERATOR H2 DRYER CRYSTALS ARE BLUE?	95		YES YES							
90 *SR	GENERATOR H2 DRYER DEWPOINT TEMPERATURE	TB-480-MI 95	*F	-45 -1		NA				NA	
91	H2 SIDE SEAL OIL TEMPERATURE	TB-296-TI 95	*F	80 110							
92	H2 SIDE SEAL OIL PRESSURE	TB-297-PI 95	PSIG	100 120							
93	H2 GLAND SEAL DELTA PRESS. - TURB. END	TB-309-PI 95	IN	-25 25							
94	AIR SIDE SEAL OIL PRESSURE	TB-302-PI 95	PSIG	70 100							
95	H2 GLAND SEAL DELTA PRESS> COL. END	TB-306-PI 95	IN	-25 25							
96	AIR SIDE SEAL OIL TEMPERATURE	TB-300-TI 95	*F	80 110							
97	ROTATE H2 GLAND SEAL OIL STRAINER ?	95		YES YES							
98	SC SUPPLY HEADER TEMPERATURE	SC-12-TI 95	*F	105							
99	SC HEAT EXCH. 3A OUTLET TEMPERATURE	SC-9-TI 95	*F	105							

*SR(Special Requirements)

»Abnormal Readings«

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REMARKS: _____

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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
100 *SR	GENERATOR LIQUID LVL DETECTOR	TB-177-LS 95	ML	200							
101 *SR	GENERATOR LIQUID LVL DETECTOR	TB-178-LS 95	ML	200							
102 *SR	GENERATOR LIQUID LVL DETECTOR	TB-179-LS 95	ML	200							
103	GEN. H2 MANIFOLD - HIGH PRESSURE	TB-157-PI 95	PSIG	100 130							
104	GENERATOR - MACHINE GAS PRESSURE	TB-159-PI 95	PSIG	10 60							
105	SC HEAT EXCH. 3A INLET TEMPERATURE	SC-7-TI 95	°F	105							
106	GEN H2 FAN PRESSURE (GRN PNTR/GRN SCALE)	TB-160-PIT 95	IN	135							
107	GENERATOR H2 PURITY	TB-328-CI 95	% H2	95							
108	IA PRE-FILTER INLET PRESSURE	IA-8-PI 95	PSIG	100	COMM = C95024						
109	IA DRYER INLET PRESSURE	IA-9-PI 95	PSID	100	COMM = C95024						
110	IA PRE-FIL. DELTA P IA-8-PI - IA-9-PI	IA-8/9-PI 95	PSID	10	COMM = C95024						

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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
111	IA DRYER OUTLET PRESS	IA-10-PI 95	PSIG	100	COMM = C95024						
112	IA DRYER DELTA PRESS IA-9-PI - IA-10-PI	IA-9/10-PI 95	PSID	15	COMM = C95024						
113	IA POST-FLTR OUTLET PRESSURE	IA-11-PI 95	PSIG	100	COMM = C95024						
114	IA POST-FLTR DELTA P IA-10-PI - IA-11-PI	IA-10/11-PI 95	PSID	10	COMM = C95024						
115	IA DRYER (IADR-1) PURGE FLOW	IA-21-FI 95	SCFM	15.4 16.6							
116	IA DEWPOINT MONITOR	IA-52-MA 95	°F	20				NA		NA	
117	IA & SA RECEIVERS ARE DRAINED?	95		YES YES							
118	BATTERY 3C2 PN/N BATTERY 1C DISCHARG	SWITCH DPDS-1C 95	AMPS	0							
119	BATTERY 3C1 P/PN BATTERY 1C DISCHARG	SWITCH DPDS-1C 95	AMPS	0							
120	BATTERY CHARGER G *SR DC VOLTS	95	VOLTS	125 135							
121	BATTERY CHARGER G DC AMPS	95	AMPS	200							

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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
122 *SR	BATTERY CHARGER H DC VOLTS	95	VOLTS	125 135							
123	BATTERY CHARGER H DC AMPS	95	AMPS	200							
124 *SR	BATTERY CHARGER I DC VOLTS	95	VOLTS	125 135							
125	BATTERY CHARGER I DC AMPS	95	AMPS	200							
126 *SR	BATTERY C ROOM SUPPLY FAN RUNNING?	95		YES YES		NA		NA			
127 *SR	BATTERY C ROOM EXHAUST FAN RUNNING	95		YES YES		NA		NA			
128	CONDENSER PUMP SEAL SUPPLY PRESSURE	CD-95-PI 95	PSIG	20 40							
129	CONDENSER HOTWELL "A" LEVEL	CD-56-LI 95	FT	7 9							
130	SCHE-3B OUTLET TEMPERATURE	SC-8-TI 95	°F	105							
131	CONDENSER HOTWELL "B" LEVEL	CD-57-LI 95	FT	7 9							
132	SCHE-3B INLET TEMPERATURE	SC-6-TI 95	°F	105							

*SR(Special Requirements)

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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
133	CX SYSTEM "B1" DELTA PRESSURE	CX-15-DPI 95	PSID	80							
134	CX SYSTEM "B2" DELTA PRESSURE	CX-16-DPI 95	PSID	80							
135	CONDENSATE DEMIN 3A FLOW RATE (RED PEN)	CX-7-FR 95	GPM	1500 3940							
136	CONDENSATE DEMIN 3B FLOW RATE (GREEN PEN)	CX-7-FR 95	GPM	1500 3940							
137	CONDENSATE DEMIN 3C FLOW RATE (RED PEN)	CX-213-FR 95	GPM	1500 3940							
138	CONDENSATE DEMIN 3D FLOW RATE (GREEN PEN)	CX-213-FR 95	GPM	1500 3940							
139	CONDENSATE DEMIN 3E FLOW RATE (RED PEN)	CX-8-FR 95	GPM	1500 3940							
140	CONDENSATE DEMIN 3F FLOW RATE (GREEN PEN)	CX-8-FR 95	GPM	1500 3940							
141	CONDENSATE DEMIN 3A VESSEL DELTA PRESS.	CX-17-DPIS 95	PSID	47		NA		NA			
142	COND. DEMIN 3A RESIN TRAP DELTA PRESS.	CX-23-DPIS 95	PSID	20		NA		NA			
143	COND. DEMIN 3B RESIN TRAP DELTA PRESS.	CX-24-DPIS 95	PSID	20		NA		NA			

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STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
144	CONDENSATE DEMIN 3B VESSEL DELTA PRESS.	CX-18-DPIS 95	PSID	47		NA		NA			
145	CONDENSATE DEMIN 3C VESSEL DELTA PRESS.	CX-19-DPIS 95	PSID	47		NA		NA			
146	COND. DEMIN 3C RESIN TRAP DELTA PRESS.	CX-25-DPIS 95	PSID	20		NA		NA			
147	COND. DEMIN 3D RESIN TRAP DELTA PRESS.	CX-26-DPIS 95	PSID	20		NA		NA			
148	CONDENSATE DEMIN 3D VESSEL DELTA PRESS.	CX-20-DPIS 95	PSID	47		NA		NA			
149	CONDENSATE DEMIN 3E VESSEL DELTA PRESS.	CX-21-DPIS 95	PSID	47		NA		NA			
150	COND. DEMIN 3E RESIN TRAP DELTA PRESS.	CX-27-DPIS 95	PSID	20		NA		NA			
151	COND. DEMIN 3F RESIN TRAP DELTA PRESS.	CX-28-DPIS 95	PSID	20		NA		NA			
152	CONDENSATE DEMIN 3F VESSEL DELTA PRESS.	CX-22-DPIS 95	PSID	47		NA		NA			
153	MORPHOLINE ADDITION TANK LEVEL	CC-8-LI 95	IN	11							
154	NH3OH BATCH TANK LEVEL	CC-5-LI 95	FT	3.0							

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STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
155	N2H4 BATCH TANK LEVEL	CC-9-L1 95	FT	1.3							
156	TURBINE LUBE OIL CLR *SR OUT TEMP(SILVER PTR)	SC-51-TC 95	*F	90 120							
157	TURB LUBE OIL OUTLET TEMP(RED PNTR ON 51)	TB-110-T1 95	*F	110 130							
158	COND INJECTION FLTR IN USE?	95		A B				NA		NA	
159	COND INJ FLTR 3A/3B DELTA PRESSURE	GW-8/9-DPI 95	PSID	10				NA		NA	
160	GWP-1A/1B DISCHARGE PRESSURE	GW-6-PI 95	PSIG	300 330				NA		NA	
161	GWP-1A/1B SUCTION PRESSURE	GW-5-PI 95	PSIG	15 30				NA		NA	
162	SCP-1A/1B SUCTION PRESSURE	SC-1-PI 95	PSIG	10							
163	SCP-1A/1B DISCHARGE PRESSURE	SC-3-PC 95	PSIG	80							
164	SCP-3 SUCTION PRESSURE	SC-93-PI 95	PSIG	10 40							
165	SCP-3 DISCHARGE PRESSURE	SC-94-PI 95	PSIG	95 125							

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

TURB 1 LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/HX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
166	SW SUPPLY TO SC SYSTEM PRESSURE	SC-92-PI 95	PSIG	80							
167 *SR	OBSERVED TB RAD. SIGNS & BARRICADES			YES YES							
168 *SR	VITAL AREA BARRIERS OBSERVED?			YES YES							

*SR(Special Requirements)

Abnormal Readings

Approver Name:

REMARKS: _____

TURB 1 SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

STA.	SPECIAL REQUIREMENTS
4	IF HIGH DP, SWAP SIDES; HAVE BASKET CLEANED.
13	ORP=OXIDATION REDUCTION POTENTIAL (LED READOUT). OPEN SMALL PANEL DOOR WITH LARGE RED PANIC BUTTON; THE LED IS LOCATED IN THIS PANEL.
14	IF HIGH DP, HAVE BASKET CLEANED.
17	THIS READING IS N/A IF LIFT OIL PUMP IS NOT OPERATING
18	CHECK WITH THE CONTROL ROOM AND NOTE IF ANY RCP OIL RESERVOIRS ARE IN HIGH/LOW ALARM ON THE ANNUNCIATOR PANEL. NOTE: A CHANGE OF MORE THAN 2% PER 8 HOUR PERIOD OR 4% PER DAY COULD INDICATE A PROBLEM WITH RCP OIL LEVELS. SURVEILLANCE MAY BE INCREASED AT THE DISCRETION OF THE SHIFT SUPERVISOR ON DUTY.
19	CHECK WITH THE CONTROL ROOM AND NOTE IF ANY RCP OIL RESERVOIRS ARE IN HIGH/LOW ALARM ON THE ANNUNCIATOR PANEL. NOTE: A CHANGE OF MORE THAN 2% PER 8 HOUR PERIOD OR 4% PER DAY COULD INDICATE A PROBLEM WITH RCP OIL LEVELS. SURVEILLANCE MAY BE INCREASED AT THE DISCRETION OF THE SHIFT SUPERVISOR ON DUTY.
20	CHECK WITH THE CONTROL ROOM AND NOTE IF ANY RCP OIL RESERVOIRS ARE IN HIGH/LOW ALARM ON THE ANNUNCIATOR PANEL. NOTE: A CHANGE OF MORE THAN 2% PER 8 HOUR PERIOD OR 4% PER DAY COULD INDICATE A PROBLEM WITH RCP OIL LEVELS. SURVEILLANCE MAY BE INCREASED AT THE DISCRETION OF THE SHIFT SUPERVISOR ON DUTY.
21	CHECK WITH THE CONTROL ROOM AND NOTE IF ANY RCP OIL RESERVOIRS ARE IN HIGH/LOW ALARM ON THE ANNUNCIATOR PANEL. NOTE: A CHANGE OF MORE THAN 2% PER 8 HOUR PERIOD OR 4% PER DAY COULD INDICATE A PROBLEM WITH RCP OIL LEVELS. SURVEILLANCE MAY BE INCREASED AT THE DISCRETION OF THE SHIFT SUPERVISOR ON DUTY.
22	CHECK WITH THE CONTROL ROOM AND NOTE IF ANY RCP OIL RESERVOIRS ARE IN HIGH/LOW ALARM ON THE ANNUNCIATOR PANEL. NOTE: A CHANGE OF MORE THAN 2% PER 8 HOUR PERIOD OR 4% PER DAY COULD INDICATE A PROBLEM WITH RCP OIL LEVELS. SURVEILLANCE MAY BE INCREASED AT THE DISCRETION OF THE SHIFT SUPERVISOR ON DUTY.
23	CHECK WITH THE CONTROL ROOM AND NOTE IF ANY RCP OIL RESERVOIRS ARE IN HIGH/LOW ALARM ON THE ANNUNCIATOR PANEL. NOTE: A CHANGE OF MORE THAN 2% PER 8 HOUR PERIOD OR 4% PER DAY COULD INDICATE A PROBLEM WITH RCP OIL LEVELS. SURVEILLANCE MAY BE INCREASED AT THE DISCRETION OF THE SHIFT SUPERVISOR ON DUTY.
24	CHECK WITH THE CONTROL ROOM AND NOTE IF ANY RCP OIL RESERVOIRS ARE IN HIGH/LOW ALARM ON THE ANNUNCIATOR PANEL. NOTE: A CHANGE OF MORE THAN 2% PER 8 HOUR PERIOD OR 4% PER DAY COULD INDICATE A PROBLEM WITH RCP OIL LEVELS. SURVEILLANCE MAY BE INCREASED AT THE DISCRETION OF THE SHIFT SUPERVISOR ON DUTY.
25	CHECK WITH THE CONTROL ROOM AND NOTE IF ANY RCP OIL RESERVOIRS ARE IN HIGH/LOW ALARM ON THE ANNUNCIATOR PANEL. NOTE:

TURB 1 SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

STA. SPECIAL REQUIREMENTS

=====

A CHANGE OF MORE THAN 2% PER 8 HOUR PERIOD OR 4% PER DAY COULD INDICATE A PROBLEM WITH RCP OIL LEVELS. SURVEILLANCE MAY BE INCREASED AT THE DISCRETION OF THE SHIFT SUPERVISOR ON DUTY.

29 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS RESET BUTTON.

41 NOT HIGH AND NOT LOW. POINTER IN GRAY AREA.

45 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

46 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

47 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

48 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

49 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

50 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

51 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

52 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

53 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

54 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

55 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

56 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

57 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

58 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV BACKFEED. OTHERWISE N/A.

59 ONLY REQUIRED WHEN USING FOR BACKFEED FROM 500 KV YARD. OTHERWISE N/A.

60 WHEN IN OPERATION, SIGHTGLASS READING IS $\geq 1/4$ AND $\leq 1/2$ FULL. WHEN IN STANDBY, DIPSTICK IS NEAR FULL MARK.

61 CONDENSATE IS DISCHARGED WHEN LOADED OR A CHECK OF THE RESPECTIVE MANUAL DRAIN VALVE REVEALS NO CONDENSATE? IF NOT, CONTACT SYSTEM ENGINEERING.

62 CONDENSATE IS DISCHARGED WHEN LOADED OR A CHECK OF THE RESPECTIVE MANUAL DRAIN VALVE REVEALS NO CONDENSATE? IF NOT, CONTACT SYSTEM ENGINEERING.

67 IF SAV-140 IS OPEN, THEN AIR FLOWS FROM ORIFICE DOWNSTREAM OF SAV-153? IF AIR IS NOT FLOWING FROM THE ORIFICE WHEN DIESEL COMPRESSOR IS RUNNING, CLOSE SAV-153, REMOVE THE CAP, CLEAR ORIFICE, THEN RE-INSTALL CAP. REOPEN SAV-153.

71 IF AIR IS NOT FLOWING FROM THE ORIFICE WHEN COMPRESSOR IS RUNNING, CLOSE VALVE, REMOVE THE CAP, CLEAR ORIFICE, THEN RE-INSTALL CAP AND OPEN VALVE.

72 IF AIR IS NOT FLOWING FROM THE ORIFICE WHEN COMPRESSOR IS RUNNING, CLOSE VALVE, REMOVE CAP, CLEAR ORIFICE, THEN RE-INSTALL CAP AND OPEN VALVE.

73 CHECK ONCE PER DAY IF DIESEL IS SECURED. N/A IF NOT ON SITE.

74 CHECK ONCE PER DAY IF DIESEL IS SECURED. N/A IF NOT ON SITE.

75 AT LEAST ONE N2 TANK MUST HAVE OVER 20" TO PROVIDE FOR DILUTION OF WGD.

77 AT LEAST ONE N2 TANK MUST HAVE OVER 20" TO PROVIDE FOR DILUTION OF WGD.

82 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS RESET BUTTON.

83 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS RESET BUTTON.

84 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS RESET BUTTON.

85 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS RESET BUTTON.

86 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS RESET BUTTON.

87 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS RESET BUTTON.

TURB 1 SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

STA. SPECIAL REQUIREMENTS

- =====
- 88 DEPRESS "MAX TEMP" DISPLAY BUTTON, RECORD MAXIMUM TEMPERATURE, THEN DEPRESS
RESET BUTTON.
- 89 NOTIFY SYSTEM ENGINEER WHEN NOT BLUE.
- 90 IF MORE POSITIVE THAN -1 (Eg. 0,+1,ETC) THEN REGENERATE AND NOTIFY SYSTEM
ENGINEER WHEN OUT OF TOLERANCE.
- 100 TOTAL OF TB-177, 178 AND 179-LS SHOULD BE LESS THAN 200 ML.
NOTIFY NPSE IF TOTAL GREATER THAN 200 ML.
- 101 TOTAL OF TB-177, 178 AND 179-LS SHOULD BE LESS THAN 200 ML. NOTIFY NPSE IF TOTAL
GREATER THAN 200 ML.
- 102 TOTAL OF TB-177, 178 AND 179-LS SHOULD BE LESS THAN 200 ML.
NOTIFY NPSE IF TOTAL GREATER THAN 200 ML.
- 120 ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.
NORMAL CONFIGURATION = 58 CELLS/BATT
BYPASS CONFIGURATION = 57 CELLS/BATT
58 CELL = 125 TO 135
57 CELL = 123 TO 133
- 122 ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.
NORMAL CONFIGURATION = 58 CELLS/BATT
BYPASS CONFIGURATION = 57 CELLS/BATT
58 CELL = 125 TO 135
57 CELL = 123 TO 133
- 124 ALLOWABLE VOLTAGES MAY VARY DUE TO CONFIGURATION AND/OR MAINTENANCE IN PROGRESS.
NORMAL CONFIGURATION = 58 CELLS/BATT
BYPASS CONFIGURATION = 57 CELLS/BATT
58 CELL = 125 TO 135
57 CELL = 123 TO 133
- 126 SWITCHGEAR ROOM DUCT FLAG FLUTTERING. HYDROGEN CAN BUILDUP IF FANS ARE NOT
RUNNING. ESTABLISH ALTERNATE MEANS OF ROOM VENTILATION AND INITIATE REPAIRS
IMMEDIATELY IF FANS ARE NOT OPERATING.
- 127 BATTERY ROOM LOWER DUCT PULLS SUCTION. HYDROGEN CAN BUILDUP IF FANS ARE NOT
RUNNING. ESTABLISH ALTERNATE MEANS OF ROOM VENTILATION AND INITIATE REPAIRS
IMMEDIATELY IF FANS ARE NOT OPERATING.
- 156 50 - 80 DEGREES F ACCEPTED WHEN SWITCH ON MCB IN LOW.
- 167 NOTE: DURING BUILDING TOURS FOR LOGS THE OPERATOR IS EXPECTED TO OBSERVE ONLY
THE RADIATION SIGNS AND BARRICADES THAT ARE COINCIDENT WITH HIS NORMAL ROUNDS.
THESE ITEMS SHOULD BE PROPER, SECURE, AND
CONSISTENT.
- 168 NOTE: DURING BUILDING TOURS FOR LOGS THE OPERATOR IS EXPECTED TO OBSERVE ONLY
THE VITAL AREA BARRIERS THAT ARE COINCIDENT WITH HIS NORMAL ROUNDS. THERE SHOULD
BE NO OBVIOUS BARRIER DEFICIENCIES SUCH AS OPEN DOORS/GATES, BROKEN CARD
READERS, OPEN LOCKS, ETC.

TURB 2 LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO./ LOCATION	UNITS	MN/MX/ TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
1	SP-301 SHUTDOWN SURVEILLANCE LOG			OK OK	REV. 93						
2	OFFSITE POWER SOURCE XFMR GAS PRESSURE	MTTR-9	PSIG	0 5							
3	OFFSITE POWER SOURCE XFMR HI WINDING TEMP	MTTR-9	°C	90							
4	OFFSITE POWER SOURCE XFMR LIQUID TEMP.	MTTR-9	°C	90							
5	OFFSITE POWER SOURCE *SR XFMR LIQUID LEVEL OK	MTTR-9		YES YES							
6	CHEMICAL STORAGE AREA TOUR COMPLETE?			YES YES							
7	LIQUID H2 STORAGE TANK LEVEL		IN	35							
8	LIQUID H2 STORAGE TANK PRESSURE		PSIG	145							
9	INTAKE CANAL SURFACE *SR AREA OK?	INTAKE WATER SURFACE		YES YES	CR INTAKE CANAL MAINTENANCE PROGRAM	NA				NA	
10	INTAKE SCREEN WASH BASKET (% FULL)		%	75							
11	INTAKE STRUCTURE *SR U.H.S. LEVEL	CW-150-LI	FT	79 92	SR 3.7.11.1 COMM = C00711 COMM = C05499						

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

TURB 2 LOG READINGS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

User ID:
User Name:

STA NO	STATION DESCRIPTION	TAG NO. / LOCATION	UNITS	MN/MX/TOLER	STS/COMM	00:00 READING	00:00 NOTES	08:00 READING	08:00 NOTES	16:00 READING	16:00 NOTES
12	DOFL-1 FILTER INLET PRESSURE	DO-65-PI	PSIG								
13	DOFL-1 FILTER OUTLET PRESSURE	DO-66-PI	PSIG								
14	DOFL-1 DELTA PRESS. DO-65-PI - DO-66-PI	DO-65/66-PI	PSID	5							
15	CWP-1A LUBE WATER PRESSURE	DO-51-PI	PSIG	25							
16	CWP-1A BEARING FLOW	DO-5-FIS	GPM	9.5 10.5							
17	CWP-1A MOTOR COOLER & STUFFING BOX FLOW?	DO-61-FI	GPM	2							
18	CWP-1B LUBER WATER PRESSURE	DO-52-PI	PSIG	25							
19	CWP-1B BEARING FLOW	DO-7-FIS	GPM	9.5 10.5							
20	CWP-1B MOTOR COOLER & STUFFING BOX FLOW?	DO-62-FI	GPM	2							
21	CWP-1C LUBE WATER PRESSURE	DO-53-PI	PSIG	25							
22	CWP-1C BEARING FLOW	DO-9-FIS	GPM	9.5 10.5							

*SR(Special Requirements)

Abnormal Readings

Approver Name: _____

REMARKS: _____

User ID:
User Name:

SR(Special Requirements)	Abnormal Readings	Approver Name:

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TURB 2 SPECIAL REQUIREMENTS
PROCEDURE NO. SP-301 REV. 93

DATE: _____

STA. SPECIAL REQUIREMENTS
=====

- 5 NOT HIGH AND NOT LOW
POINTER IN GREY AREA
- 9 Visually inspect the surface area of the intake canal at the CR#3 Intake
Structure to ensure there are not transportable materials present that would
impede safety related flow of water into the intake structure.
- 11 ADD 74.75 FT TO READING TO OBTAIN PLANT DATUM. IF THIS INDICATOR IS NOT
AVAILABLE, ALTERNATE METHODS MAY BE USED TO OBTAIN U.H.S. LEVEL. FOR EXAMPLE,
FSAR SECTION 1 ELEVATION DRAWINGS SHOW A DECK LEVEL AT THE INTAKE STRUCTURE OF
99 FEET. MEASUREMENTS CAN BE MADE FROM THIS POINT TO THE WATER.

A/B COLD LEG DAM CONTROL PANEL

Date _____

SIDE PANEL		00-08	08-16	16-24	ACCEPTANCE CRITERIA	COMMENTS
ALL CONNECTIONS					CONNECTED AND SECURE (✓)	
MAIN AIR SUPPLY					ON (✓)	
BACK UP AIR (N ₂ SUPPLY)					ON (✓)	
FRONT PANEL						
POWER					ON (✓)	
GREEN LIGHT					ON (✓)	
INPUT AIR PRESSURE					85-95 PSI	
PRESSURE SHUT OFF VALVE					ON (✓)	
ALARM TEST (NOTIFY CONTROL ROOM PRIOR TO TEST)					LOCAL BELL RED LIGHT CONTROL ROOM (✓)	
DRY SEAL FLOW	A				0 SCFH	
	B					
DRY SEAL PRESSURE	A				70-80 PSI	
	B					
ANNULUS FLOW	A				0 SCFH	
	B					
ANNULUS PRESSURE	A				4-6 PSI	
	B					
WET SEAL FLOW	A				0 SCFH	
	B					
WET SEAL PRESSURE	A				70-80 PSI	
	B					

COMMENTS:

C/D COLD LEG DAM CONTROL PANEL

Date _____

SIDE PANEL	00-08	08-16	16-24	ACCEPTANCE CRITERIA	COMMENTS
ALL CONNECTIONS				CONNECTED AND SECURE (✓)	
MAIN AIR SUPPLY				ON (✓)	
BACK UP AIR (N ₂ SUPPLY)				ON (✓)	
FRONT PANEL					
POWER				ON (✓)	
GREEN LIGHT				ON (✓)	
INPUT AIR PRESSURE				85-95 PSI	
PRESSURE SHUT OFF VALVE				ON (✓)	
ALARM TEST (NOTIFY CONTROL ROOM PRIOR TO TEST)				LOCAL BELL RED LIGHT CONTROL ROOM (✓)	
DRY SEAL FLOW	C D			0 SCFH	
DRY SEAL PRESSURE	C D			70-80 PSI	
ANNULUS FLOW	C D			0 SCFH	
ANNULUS PRESSURE	C D			4-6 PSI	
WET SEAL FLOW	C D			0 SCFH	
WET SEAL PRESSURE	C D			70-80 PSI	

COMMENTS:

COMPUTERIZED LOG ENTRY SYSTEM INSTRUCTIONS

The following text will provide the new user with the necessary instructions to operate the new computerized log entry system. The text has been divided into relevant sections and the user may elect to skip a section if he or she feels comfortable with that particular operation (for example; logging on to the LAN).

The text utilizes some abbreviations with which the reader should be familiar. These abbreviations are as follows:

- a. The operation of the system is divided between the stationary personal computers (PC's) loaded with the tech-assist plant touring system (TAPTS) software and the portable computers that will be utilized to record the log readings.

IF the instruction step does not specifically address either type of computer,

THEN the instruction step will identify on which device the step should be performed. When the abbreviation "PC" is utilized the relevant step is to be performed at the stationary personal computer.

IF the abbreviation "PORT" is used,

THEN the step references the hand held portable.

- b. Steps that require information to be typed into either computer may be underlined or be prefaced with the word "TYPE" (i.e. G:\LOGIN>LOGIN requires you to type in the word "LOGIN", type your password _____ requires you to type in your secret password).
- c. Steps that require the operator to manipulate the curser up/down arrows on the key board for the menu driven screens, for either computer, will be prefaced with the word "SELECT". (i.e. select the tour to be performed.)
- d. The abbreviation "[E]" was utilized in steps where the operator is required to strike the enter key, for either computer, in order to perform the step.
- e. The enter [E] key is not required when the operator options to type in the letter of the function desired. The PC will automatically proceed to the next process.

1.0 LOGIN TO THE LAN AND GO TO THE TAPTS MAIN MENU (FILE SERVER NR-3).

1.1 (PC) G:\LOGIN>LOGIN [E].

1.2 (PC) Type your login name: _____ [E]

1.3 (PC) Type your password: _____ [E]

NOTE: Screens with LAN information will now appear.

1.4 "Strike any key" when directed.

1.5 (PC) Select "DEPARTMENT APPLICATIONS" [E].

1.6 (PC) Select "OPERATIONS DATA" [E].

1.7 (PC) Select "SP-300" or "SP-301" (depending on the log desired) [E].

NOTE: If a message of not enough memory blinks and you are returned to the Novell menu, a reboot of the PC will be required.

1.8 The computer is now loading the TAPTS software.

NOTE: With the completion of the below steps the TAPTS main menu should come on the screen.

NOTE: While utilizing the TAPTS PC software the operator may need to use the "ESC" key to scroll backwards through the TAPTS screens. The operator will see the reference to the "ESC" key at the bottom of each of the appropriate screens.

1.9 (PC) Type TAPTS User ID: _____ [E]

1.10 (PC) Type TAPTS Password: _____ [E]

2.0 TO LOAD TOUR INFORMATION INTO THE PORTABLE COMPUTER

- 2.1 (PC) Log into the SP-300 or SP-301 program and go to the TAPTS main menu (see Section 1.0).
- 2.2 (PC) Select "E. UTILITY MENU" [E].
- 2.3 (PC) Select "B. DOWNLOAD TO A HAND HELD COMPUTER" [E].
- 2.4 (PC) Select "A. DOWNLOAD PROGRAMS AND DATA" [E].
- 2.5 (PC) Select the tour to be loaded into the portable [E].

NOTE: IF the portable does not sense a key entry within a designated time frame,
THEN it automatically turns off the portable screen.

- 2.6 (PORT) Turn on the portable computer by depressing "B". If the portable automatically turns off it will be necessary to again depress the portable "B" key.
- 2.6.1 IF the portable does not respond to any key commands,
THEN place the shorting plug into the bottom connector to restart the computer. Do not attempt to reboot the computer.
- 2.7 (PORT) Establish the "A>" by selecting either option 7 or by using the shorting plug or by sequentially depressing the "FCT" key, depressing the "ESC" key (an audible alarm may occur), depressing the "FCT" key, and then depressing "0" (zero) key.

NOTE: The PC will now request that you set-up the portable computer so that the two computers may communicate (i.e. "COM").

- 2.8 (PORT) Type COM [E].
- 2.9 The portable will now show a screen with "+++COM PC1000+++" on it.
- 2.10 Plug the portable into the rack labeled communication.
- 2.11 (PC) Depress the [E] key.
- 2.11.1 The PC is now loading the portable with the selected tour. The portable should now display "SLAVE ON LINE" at the bottom of its monitor screen.

- 2.11.2 The PC will display at the bottom of its monitor screen "DOWNLOADING TO HAND HELD-PLEASE WAIT".
- 2.11.3 When the download to the portable is complete, the PC will display at the bottom of its monitor screen "DOWNLOAD COMPLETE-PRESS ANY KEY".
- 2.12 (PC) Press any key if another tour is desired to be loaded into the portable.
- 2.13 Disconnect the portable from the rack and perform the tour(s).

3.0 PERFORMING PLANT TOURS

NOTE: This section is performed using the portable (PORT) computer. The "A>" must be displayed prior to performing the following step.

- 3.1 Type TOUR [E].
- 3.2 Select the tour to be performed.
 - 3.2.1 The portable will now display to the operator how many data points are available for entry. Press any key at this time if it appears there is enough data points available to perform the tour.
- 3.3 Type tour date [E].
- 3.4 Select tour time [E].
- 3.5 Type TAPTS user ID: _____ -DO NOT PRESS THE ENTER KEY AT THIS TIME- and password _____ -NOW PRESS THE ENTER KEY.
- 3.6 A screen identifying the selected plant parameters (i.e. tour/date/time) will appear. Depress the [E] key to continue.
- 3.7 A screen providing additional function key information will now appear. This information has been provided to the operator in Step 3.10. Press any key to continue.

CAUTION: Once the tour has been started, the software will not allow
you to exit the program until the tour has been completed.

3.8 IF you desire to abort the program,
THEN sequentially depress the "FCT" key, the "ESC" key (an audible
alarm may occur), the "FCT" key, then the "0" (zero) key.

3.9 Perform the tour.

3.9.1 To record data, type the data in the field after READING. Then
depress the up/down arrow keys for the previous/next reading.

3.9.2 To perform other functions during the tour, refer to the additional
functions listed in step 3.10.

CAUTION: The ENTER key for identical previous readings must ONLY be
used if indeed the value for the reading is identical to the
previous reading.

3.9.3 IF the new reading is the same as the listed previous reading,
THEN the ENTER key may be depressed and the portable computer will
automatically enter the previous reading as the present shift's
reading.

3.9.4 IF while performing the tour all available memory has been used,
THEN the portable will stop execution and instruct you to upload
before continuing.

3.9.5 If too much information is loaded into the portable it may not
perform as desired. In this situation, contact the operations clerk,
and have the clerk delete some of the tours from the portable memory.

3.9.6 If an out of tolerance entry is made, the portable will audibly
inform the operator and provide an opportunity to change the data
reading. If the entry is correct, depress either the up or down

3.10 The following is a listing of some special keys available for use;

- a. The arrow keys may be used to go to the next/previous tour station.
- b. The ENTER key allows the operator to copy the previous logged reading for that point and must ONLY be used if indeed the value for the reading is identical to the previous reading.

NOTE: [F1] is an abbreviation for first depressing the "FCT" key and then depressing the #1 key.

- c. [F1] allows the operator to see what the special key functions are.
- d. [F2] displays any Special Requirement(s) of the log.
- e. [F3] allows the operator to record notes for the log readings.

NOTE: The ^ symbol is for the blue up arrow key.

- f. [^F3] allows the operator to delete notes.
- g. [F4] locates specific tag numbers in the tour.
- h. [F5] locates readings on specific elevations.

NOTE: Quick keys are keys used to abbreviate specific entries for readings.

- i. [F6] allows the operator to enter readings using quick keys.
- j. [F7] allows the operator to graph on the portable the previous six readings including the current reading.
- k. [F8] is a station number search.
IF the desired station number is entered,
THEN the hand-held will go to that station number.

1. [F9] is an information only scratch pad. Information entered using the scratch pad will be printed after the special requirements section of a requested printout.
 - o The scratch pad entry will be automatically removed during a subsequent tour.
 - m. [ESC] when pressed after the [FCT] key causes the operator to exit the tour at that point. [FCT] then the "0" (zero) key will also have to be pressed following the audible alarm in order to exit/abort the tour.
- 3.11 Once all the tour data has been taken, the program will verify that all the readings have been obtained.
 - 3.11.1 If a reading was missed, you will be notified. Depress the [E] key and the program will take you directly to the missed reading. If the tour is complete, the program will return you to the "A>".

4.0 TO UPLOAD DATA TO THE PC

- 4.1 (PC) Login to the LAN and go to the TAPTS main menu (see Section 1.0).

NOTE: The "A>" must be displayed prior to performing the following step.

- 4.2 (PORT) Type COM [E].
- 4.3 Connect the portable to the rack labeled communication.
- 4.4 (PC) Select "A. UPLOAD A HAND HELD COMPUTER" [E].
- 4.5 (PC) Depress the [E] key.
- 4.6 (PC) Select the tour to be uploaded [E].
 - 4.6.1 (PC) The PC will display at the bottom of its monitor screen "UPLOADING FROM HAND HELD-PLEASE WAIT".
 - 4.6.2 (PC) When the tour has been uploaded the PC will display at the top of its monitor screen "UPLOAD A HAND HELD COMPUTER".
 - 4.6.3 (PC) If another upload of a tour is desired, it can be done at this time.

4.7 (PORT) Disconnect the portable from the rack labeled communication.

5.0 VIEW/PRINT A TOUR

5.1 (PC) Log into the SP-300 or SP-301 program and go to the TAPTS main menu (see Section 1.0).

5.2 (PC) Select "C. VIEW/PRINT A DAILY LOG SHEET" [E].

5.3 (PC) Select the tour to be viewed/printed [E].

5.4 (PC) Type in the date to be viewed/printed [E].

5.5 (PC) Select the report type [E].

5.6 (PC) After the PC monitor screen displays "***VIEW/PRINT A DAILY LOG SHEET***" depress the Ctrl and P keys if a printout is desired. Other commands will be at the bottom of the PC monitor screen.

5.7 (PC) To print the report select the Printout Type [E].

5.7.1 (PC) The PC monitor screen will display "PRINTING-PLEASE WAIT".

5.7.2 (PC) When the PC print commands are complete, the PC will return to the display "***VIEW/PRINT A DAILY LOG***". The printout should soon be printed.

6.0 GRAPH TOUR PARAMETERS

6.1 (PC) Log into the SP-300 or SP-301 program and go to the TAPTS main menu (see Section 1.0).

6.2 (PC) Select "D. GRAPH READINGS IN A TOUR" [E].

6.3 (PC) Select the tour to be graphed [E].

NOTE: A ✓ mark will appear next to the selected parameter to be graphed following the action using the space bar for the next step.

6.4 (PC) Select the parameter(s) to be graphed with the arrow keys, then depress the space bar for each parameter to be graphed on the same graph. After all parameters are selected, press the ENTER key.

- 6.5 (PC) Type the beginning and end dates for the desired time period to be graphed (Month/Date/Year) [E].
- 6.5.1 The operator may choose to type in the beginning date only. In this case, the readings after the beginning date will be graphed.
- 6.5.2 The operator may choose to not type in any dates. In this case, all readings in the history file will be graphed.
- 6.6 (PC) Select the desired scaling mode for the graph [E].
- 6.7 (PC) The operator may print the respective graph by pressing the "G" key.
- 6.8 (PC) The operator may print a table of the respective data by pressing the "T" key.
- 6.9 (PC) The operator may use the page up and page down keys to view graphs of the next/previous stations.

SIGNATURE VALIDATION SHEET

OPERATORS WHO TOOK LOGS:

DATE: _____

SHIFT	00-08	08-16	16-24
CONTRLRM LOG READINGS ENCLOSURE 1			
SPECIAL SURVEILLANCES ENCLOSURE 2			
AUX BLDG LOG READINGS ENCLOSURE 3			
TURB 1 LOG READINGS ENCLOSURE 4			
TURB 2 LOG READINGS ENCLOSURE 5			
A/B COLD LEG DAM CONTROL PANEL ENCLOSURE 6			

AUTHORIZING SHIFT SUPERVISOR OR ASSISTANT SHIFT SUPERVISOR:

SHIFT	00-08	08-16	16-24
SSOD OR ASSOD			