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UNIT II
OFF NORMAL & EMERGENCY OPER. PROCEDURE

DOCUMENT TITLE: OFF-NORMAL OPERATION OF THE Component Cooling Water Process Monitors R&B

DOCUMENT FILE NUMBER: 2-1110036

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FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT UNIT NO. 2
OFF-NORMAL OPERATING PROCEDURE NO. 2-1110036
REVISION 0

1. TITLE: OFF-NORMAL OPERATION OF THE COMPONENT COOLING WATER PROCESS MONITORS A & B
2. PREPARED BY: Bill Kelsey 5/23 1982
3. SUBCOMMITTEE REVIEW BY: for FP&L 5/27 1982
4. REVIEWED BY FRG ON: June 9, 1982
5. APPROVED BY: Plant Manager 6-9- 1982
6. REVISION REVIEWED BY FRG ON: 19___
7. APPROVED BY: Plant Manager 19___

2

FLORIDA POWER & LIGHT COMPANY
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REVISION 0

1.0 TITLE:

OFF-NORMAL OPERATION OF THE COMPONENT COOLING WATER PROCESS MONITORS A & B

2.0 REVIEW AND APPROVAL:

Reviewed by Facility Review Group JUNE 9 19 82
Approved by J F Baum Plant Manager June 9 19 82

Revision ____ Reviewed by FRG _____ 19____
Approved by _____ Plant Manager _____ 19____

3.0 PURPOSE AND DISCUSSION:

3.1 Purpose

This procedure only provides instruction in the off-normal operation of the Component Cooling Water Process Monitors. It does not provide instructions for corrective action for the C.C.W. systems. These are covered by Off-Normal Operating Procedure 2-0310031, C.C.W. - EXCESSIVE ACTIVITY.

3.2 Discussion

The C.C.W. process monitors are designed to provide an indication of the radioactivity in either HEADER, and to alarm when the radioactivity reaches or exceeds the alarm setpoint. Radioactive in leakage could occur at:

3.2.1 Letdown Heat Exchangers

3.2.2 Sampling System Heat Exchangers

3.2.3 Shutdown Cooling Heat Exchangers

3.2.4 Contaminated Make Up Water

4.0 SYMPTOMS:

4.1 Visual and audible alarms on the Control Room RMS safety cabinets and the three (3) system Operators Terminals.

4.2 Respective channel ALERT, HIGH, or FAIL alarms.

4.3 Increasing activity as noted on the respective channel recorders and on the channel graphic display histograms.

ST. LUCIE UNIT 2
OFF-NORMAL OPERATING PROCEDURE NO. 2-1110036, REVISION 0
OFF-NORMAL OPERATING OF THE COMPONENT COOLING WATER
PROCESS MONITORS A AND B

2

5.0 INSTRUCTIONS:

5.1 Immediate Automatic Action

5.1.1 The CCW surge tank vent valve (RCV-14-1) diverts from atmosphere and realigns to the chemical drain tank upon actuation of a HIGH or FAIL alarm.

5.2 Immediate Operator Action

5.2.1 Acknowledge the alarm(s) and notify the Chemistry Department.

5.3 Subsequent Operator Action

5.3.1 The CCW A & B headers are normally operated in a cross-connected mode through the "N" header isolation valves. A leak on either header should result in a trend increase in the other header. Check the CCW radiation monitor recorder trace.

5.3.2 Verify that the CCW surge tank vent valve is aligned to the Waste Management System.

5.3.3 Consult Off-Normal Operating Procedure 2-0310031, CCW Excessive Activity.

5.3.4 For an energized Fail alarm, the channel should be considered out of service. Consult the Plant technical specifications and notify responsible personnel to effect repairs. Note that when the system is operated in the cross-connected mode (see 5.3.1), radiation monitoring capability is achieved via the other CCW rad monitor.

6.0 REFERENCES:

6.1 FSAR Section 11.5.2.2.1

6.2 General Atomic Company Technical Manuals

6.3 PSL Technical Specifications

7.0 RECORDS REQUIRED:

7.1 Normal Log Entries