

UNIT 1

DOCUMENT REVISION DISTRIBUTION SHEET - OFF NORMAL & EMERGENCY OPER. PROCEDURE

DOCUMENT TITLE Uncontrolled Release of Radioactive Liquids

DOCUMENT FILE NUMBER 1-051 0030

DOCUMENT REVISION NUMBER 2

DOCUMENT DISTRIBUTED ON 11-29-82 DATE

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PROCESSED BY: H. Allen DATE 11-29-82

*Note: New distribution per instructions. Effective 9-12-79.

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FLORIDA POWER & LIGHT CO.
ST. LUCIE UNIT #1
OFF NORMAL OPERATING PROCEDURE 1-0510030
REVISION 2

1.0 Title:

UNCONTROLLED RELEASE OF RADIOACTIVE LIQUIDS

2.0 Approval:

Reviewed by Plant Nuclear Safety Committee Feb 14 1975
Approved by [Signature] Plant Manager Nov 17 1974

Revision 2 Reviewed by Facility Review Group Oct 15 1982
Approved by [Signature] Plant Manager Nov 26 1982

3.0 Purpose and Discussion:

- 3.1 To provide symptoms and actions to be followed in the event of an accidental release of radioactive liquids.
- 3.2 Consider all spills as potentially radioactive until proven otherwise.
- 3.3 Observe all precautions outlined in the Radiation Protection Manual when dealing with radioactive spills.

4.0 Symptoms:

- 4.1 Symptoms are given in the text of the instructions.

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verify information with a controlled document.

OPERATING PROCEDURE 1-0510030, REV. 2
UNCONTROLLED RELEASE OF RADIOACTIVE LIQUIDS

5.0 Instructions:

5.1 Excessive release through liquid release discharge header.

5.1.1 Symptoms:

- a. High radiation alarm on liquid release monitor channel #43.
- b. Closure of FCV-6627X during release.
- c. Liquid Radwaste Local Ann (Arms Cabinet E)

5.1.2 Automatic actions:

- a. FCV-6627X closes if HI-RATE alarm is received on channel #43

5.1.3 Immediate operator action:

- a. Ensure FCV-6627X, final effluent discharge flow control valve is closed.

5.1.4 Subsequent operator action:

- a. Stop waste monitor pump associated with liquid release
- b. Close and lock V21133 final effluent discharge to discharge canal.
- c. Complete appropriate sections of liquid release permit.
- d. Inform the control room of action taken.
- e. Implement the Emergency Plan as necessary in accordance with EPIP 3100021E, Duties of the Emergency Coordinator.
- f. Notify the Health Physics Supervisor and Chemistry Supervisor.

5.2 Liquid Spill

5.2.1 Symptoms:

- a. Increased activity or alarm on process or area radiation monitors.
- b. Unexplained increase or decrease in liquid waste tank levels.
- c. Unexplained water on floor areas or a visible leak.
- d. ECCS sump high or high-high level alarms
- e. Liquid radwaste local Ann. (ARMS Cabinet E)

5.2.2 Immediate operator action:

- a. Take appropriate action to isolate and contain spill.

5.2.3 Subsequent operator action:

- a. Determine quantity of liquid released if possible or estimate quantity spilled.

- OPERATING PROCEDURE 1-0510030, REV. 2
UNCONTROLLED RELEASE OF RADIOACTIVE LIQUIDS

5.0 Instructions (Cont'd)

5.2 Liquid Spill (Cont'd)

5.2.3 Subsequent operator action (Cont'd)

- b. Notify control room of action taken,
- c. Notify personnel of location of spill,
- d. Implement the Emergency Plan as necessary in accordance with EPIP 3100021E. "Duties of the Emergency Coordinator".
- e. Notify the Health Physics Supervisor.

6.0 References:

- 6.1 St. Lucie Plant Emergency Plan
- 6.2 10 CFR 20.403
- 6.3 FSAR Chapter 12
- 6.4 Chemistry Department Procedure C-70 Processing Aerated Liquid Wastes.

7.0 Records Required:

- 7.1 Normal log entries.
- 7.2 The plant supervisor shall obtain the necessary information required for the documentation in cases involving an abnormal occurrence.
- 7.3 Liquid Release permit, if required.

UNIT 1

DOCUMENT REVISION DISTRIBUTION SHEET - OFF NORMAL & EMERGENCY OPER. PROCEDURE

DOCUMENT TITLE PRIMARY WATER SYSTEM - OFF NORMAL OPERATIONS

DOCUMENT FILE NUMBER 1560030

DOCUMENT REVISION NUMBER 1

DOCUMENT DISTRIBUTED ON 11-29-82
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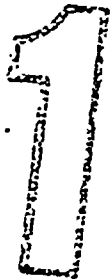
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PROCESSED BY: Heller DATE 11-29-82

*Note: New distribution per instructions. Effective 9-12-79.



FLORIDA POWER & LIGHT COMPANY
ST. LUCIE UNIT #1
OPERATING PROCEDURE 1560030
REVISION 1

1.0 Title:

Primary Water System - Off Normal

2.0 Approval:

Reviewed by Plant Nuclear Safety Committee August 2 1983
Approved by [Signature] Plant Manager August 7 1983

Revision 1 Reviewed by PNSC Nov 2 1982
Approved by [Signature] Plant Manager Nov 26 1982

3.0 Purpose:

The purpose of this procedure is to provide instructions to be followed when a failure or malfunction in the primary water system occurs.

4.0 Symptoms:

- 4.1 High Primary Water Tank Level
- 4.2 Low Primary Water Tank Level
- 4.3 Low Primary Water Pump Discharge Pressure

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OPERATING PROCEDURE NO. 1560030, REV. 1.
PRIMARY WATER SYSTEM - OFF NORMAL

5.0 Instructions:

5.1 Immediate Automatic Actions

5.1.1 On a low primary water pump discharge pressure of 85 psig, the Standby pump will start.

5.2 Immediate Operator Action

5.2.1 On a low header pressure situation, verify that the Standby pump has started and the system pressure has returned to normal.

5.2.2 If the Standby pump did not start, start manually and investigate the failure of the Auto Start feature.

5.3 Subsequent Operator Actions

5.3.1 Low Header Pressure Condition

- a. Investigate the cause of the low pressure condition and correct.
- b. When Normal System Pressure is restored, return the second primary water pump to standby lineup.

5.3.2 On a Primary water tank level problem, take appropriate action to return the tank to normal.

5.3.2.1 High Level -

- a. Discontinue water transfer operations if in progress.
- b. Discontinue filling from WTP.
- c. Insure fill and bypass valves are closed.

5.3.2.2 Low Level -

- a. Commence filling operations from WTP if not in progress.
- b. If the low level condition is the result of a sudden change in tank level, investigate the primary water system for signs of leaks and isolate affected components.

6.0 References:

6.1 FSAR, Chapter IX, Table 9.2-14.

7.0 Records Required:

7.1 Normal Log Entries

