



FPL

ST. LUCIE PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

SAFETY RELATED

Procedure No.

EPIP-01

Current Revision No.

5

Effective Date

08/01/02

Title:

CLASSIFICATION OF EMERGENCIES

Responsible Department: **EMERGENCY PLANNING**

REVISION SUMMARY:

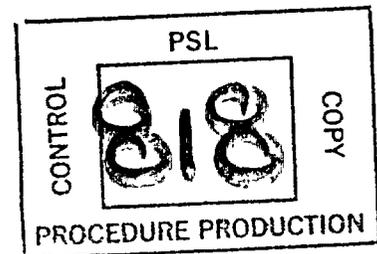
Revision 5 – Clarified EALs under alert. (J. R. Walker, 07/25/02)

Revision 4 - Revised IAW revision to E-Plan (R40). Revised initiating condition for RCS leakage. Added EALs under security threat initiating condition. Added definitions for EAL and IC. Added guidance for multiple and dual unit events. Made editorial and administrative changes. (J.R. Walker, 05/23/02)

Revision 3 - Added PMAI references, added definitions for OCA, PA and power block, clarified classification guidance and made editorial/administrative changes. (J. R. Walker, 02/09/01)

Revision 2 - Clarified initiating conditions and emergency action levels to correspond to changes in the PSL emergency plan in accordance with PMAI PM99-09-154, defined classification table and made editorial changes. (J. R. Walker, 10/13/00)

Revision 1 - Revised to RCS EAL for alert based on NESP007 guidance. (J. R. Walker, 04/21/00)



Revision <u>0</u>	FRG Review Date <u>12/15/97</u>	Approved By <u>J. Scarola</u> Plant General Manager	Approval Date <u>12/15/97</u>	S__OPS DATE _____
Revision <u>5</u>	FRG Review Date <u>07/25/02</u>	Approved By <u>Dick Rose</u> Plant General Manager N/A Designated Approver N/A Designated Approver (Minor Correction)	Approval Date <u>07/26/02</u>	DOCT <u>PROCEDURE</u> DOCN <u>EPIP-01</u> SYS _____ COM <u>COMPLETED</u> ITM <u>5</u>

REVISION NO. 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 2 of 32
PROCEDURE NO EPIP-01	ST. LUCIE PLANT	

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 PURPOSE.....	3
2.0 REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS...	3
3.0 RESPONSIBILITIES.....	4
4.0 DEFINITIONS.....	5
5.0 INSTRUCTIONS	9
<u>ATTACHMENTS</u>	
ATTACHMENT 1 EMERGENCY CLASSIFICATION TABLE.....	13

REVISION NO: 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 3 of 32
PROCEDURE NO: EPIP-01	ST. LUCIE PLANT	

1.0 PURPOSE

This procedure provides instructions on the classification of emergencies at St. Lucie Plant.

Emergency classifications in order of increasing seriousness are:

- Unusual Event
- Alert
- Site Area Emergency
- General Emergency

Specific criteria are provided to assure proper escalation and de-escalation between emergency classification levels.

2.0 REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS

NOTE

One or more of the following symbols may be used in this procedure:

§ Indicates a Regulatory commitment made by Technical Specifications, Condition of License, Audit, LER, Bulletin, Operating Experience, License Renewal, etc. and shall NOT be revised without Facility Review Group review and Plant General Manager approval.

¶ Indicates a management directive, vendor recommendation, plant practice or other non-regulatory commitment that should NOT be revised without consultation with the plant staff.

Ψ Indicates a step that requires a sign off on an attachment.

2.1 References

1. St. Lucie Plant Radiological Emergency Plan (E-Plan)
2. E-Plan Implementing Procedures (EPIP 00-13)
3. C-200, Offsite Dose Calculation Manual (ODCM)
4. AP 0010502, Oil and Hazardous Material Emergency Response Plan
5. ¶₁ NUREG-1022, Section 3.1.1

REVISION NO : 5	PROCEDURE TITLE. CLASSIFICATION OF EMERGENCIES	PAGE: 4 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

2.1 References (continued)

6. ¶₂ NRC IEN No. 85-80, Timely Declaration of an Emergency Class, Implementation of an Emergency Plan, and Emergency Notifications, October 15, 1985
7. ¶₃ NRC EPPOS No. 2, Emergency Preparedness Position (EPPOS) on Timeliness of Classification of Emergency Conditions, August, 1995
8. ¶₄ PMAI PM98-01-017, Loss of Seismic Monitoring Capability

2.2 Records Required

The basis for classifying an emergency condition shall be recorded in appropriate emergency logs.

2.3 Commitment Documents

- §₁ CR 00-0614 (RCS leakage during shutdown cooling)
- §₂ PMAI PM99-09-154 (IC and EAL changes submitted under FPL letter L-98-2000).

3.0 RESPONSIBILITIES

3.1 Nuclear Plant Supervisor (NPS)

1. The Nuclear Plant Supervisor is responsible to promptly classify abnormal situations into one of the four defined categories.
2. If an emergency has been declared, the Nuclear Plant Supervisor is responsible for assuming the position of Emergency Coordinator and retaining this position until relieved.

3.2 Emergency Coordinator (EC)

The Emergency Coordinator is responsible to continually evaluate changes in plant conditions against the classification table in this procedure.

REVISION NO : 5	PROCEDURE TITLE CLASSIFICATION OF EMERGENCIES	PAGE. 5 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

4.0 DEFINITIONS

4.1 Emergency Action Level (EAL)

1. A pre-determined, site-specific, observable threshold for a plant Initiating Condition that places the plant in a given emergency class. An EAL can be: an instrument reading; an equipment status indicator; a measurable parameter (on-site or off-site); a discrete, observable event; results of analyses; entry into specific emergency operating procedures; or another phenomenon which, if it occurs, indicates entry into a particular emergency class.

4.2 Emergency Classes

1. Unusual Event

This classification is represented by off-normal events or conditions at the plant for which no significant degradation of the level of safety of the plant has occurred or is expected. Any releases of radioactive material which may have occurred or which may be expected are minor and constitute no appreciable health hazard.

2. Alert

This classification is represented by events which involve an actual or potential substantial degradation of the level of safety of the plant combined with a potential for limited uncontrolled releases of radioactivity from the plant.

3. Site Area Emergency

This classification is composed of events which involve actual or likely major failures of plant functions needed for protection of the public combined with a potential for significant uncontrolled releases of radioactivity from the plant.

4. General Emergency

This classification is composed of events which involve actual or imminent substantial core degradation and potential loss of containment integrity combined with a likelihood of significant uncontrolled releases of radioactivity from the plant.

REVISION NO.: 5	PROCEDURE TITLE CLASSIFICATION OF EMERGENCIES	PAGE. 6 of 32
PROCEDURE NO EPIP-01	ST. LUCIE PLANT	

4.3 Classification Table

A composite of Initiating Conditions (ICs) and their Emergency Action Levels (EALs) used to evaluate off normal/emergency conditions resulting in declaration of one of the four Emergency Classes, as appropriate. The Table is arranged in the following categories:

- 1. Events Affecting Primary Pressure**
 - A. Abnormal Primary Leak Rate**
 - B. Abnormal Primary/Secondary Leak Rate**
 - C. Loss of Secondary Coolant**
- 2. Abnormal Radiation, Contamination and Effluent Releases**
 - A. Uncontrolled Effluent Release**
 - B. High Radiation Levels in Plant**
- 3. Fires, Explosions**
- 4. Accident Involving Fuel**
 - A. Fuel Element Failure**
 - B. Fuel Handling**
- 5. Natural Emergencies**
 - A. Earthquake**
 - B. Hurricane**
 - C. Tornado**
 - D. Abnormal Water Level**
- 6. Miscellaneous Events**
 - A. Increased Awareness or Potential Core Melt**
- 7. Electrical Malfunctions**
 - A. Loss of Power**

REVISION NO : 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 7 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

4.3 Classification Table (continued)

- 8. Degradation of Control Capabilities
 - A. Loss of Plant Control Functions
 - B. Loss of Alarms, Communications, Monitoring
- 9. Hazards to Station Operation
 - A. Aircraft, Missile
 - B. Turbine Failure
 - C. Toxic or Flammable Gas
- 10. Security Threat

4.4 Initiating Condition (IC)

- 1. One of a predetermined subset of nuclear power plant conditions where either the potential exists for a radiological emergency, or such an emergency has occurred.

4.5 Plant - The St. Lucie Plant, Unit 1 and Unit 2

4.6 Site - A general term referring to the location of the St. Lucie Nuclear Power Plant. Other terms related to the site are given below:

- 1. **Owner Controlled Area** - That portion of FPL property surrounding and including the St. Lucie Nuclear Power Plant which is subject to limited access and control as deemed appropriate by FPL.
- 2. **Protected Area** - The area (within the Owner Controlled Area) occupied by the nuclear units and associated equipment and facilities enclosed with the security perimeter fence. The area within which accountability of personnel is maintained in an emergency.

REVISION NO.: 5	PROCEDURE TITLE CLASSIFICATION OF EMERGENCIES	PAGE 8 of 32
PROCEDURE NO. EPIP-01	ST. LUCIE PLANT	

4.6 Site (continued)

3. §2 **Power Block** - Structures, systems or components in the areas listed below that support the production of power. This includes any equipment needed for the direct generation of power or necessary for safe operation and/or shutdown of one or both of the reactors.
- A. Reactor Containment and Shield Buildings
 - B. Reactor Auxiliary Buildings including the following areas:
 - 1. Refueling Water Tank (RWT)
 - 2. Component Cooling Water (CCW) platform area
 - 3. Diesel Generator Buildings and Fuel Oil Storage Tanks
 - 4. Fuel Handling Building
 - 5. Primary Water Tank and Pumps
 - C. Intake Area
 - D. Discharge Canal & Headwall
 - E. Ultimate Heat Sink Structure
 - F. Fire Protection System including the fire pumps and the City Water Storage Tanks (CWST), but not including parts of the system associated with the North or South Service Buildings or other outlying facilities.
 - G. Turbine Buildings (all levels)
 - H. Condensate Storage Tanks (CST)
 - I. Main, Auxiliary and Startup Transformers
 - J. Steam Trestles
 - K. Turbine Lube Oil Storage Tanks
 - L. Gas House

REVISION NO. 5	PROCEDURE TITLE CLASSIFICATION OF EMERGENCIES	PAGE 9 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

5.0 INSTRUCTIONS

5.1 Direct Initial Investigative and Mitigating Actions to Address the Event

1. If the event involves entry into the Off-Normal Operating Procedures (ONOPs) or Emergency Operating Procedures (EOPs), Then perform steps per ONOPs or EOPs until appropriate or directed to classify event.
2. If the event involves a release of hazardous materials to the environment, Then respond per AP 0010502, Oil and Hazardous Material Emergency Response Plan.
3. If the event involves a release of radioactive material to the environment, Then direct Chemistry personnel to implement EPIP-09, Off-site Dose Calculations.

END OF SECTION 5.1

REVISION NO.: 5	PROCEDURE TITLE CLASSIFICATION OF EMERGENCIES	PAGE: 10 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

NOTE

Initiating Conditions / Emergency Action Levels are applicable to all modes unless otherwise indicated.

5.2 Classifying the Event

1. ¶₃ A goal of fifteen (15) minutes should be used for assessing and classifying an emergency once indications (Emergency Action Levels (EALs)) are available to Control Room Operators that an Initiating Condition (IC) has been met and/or exceeded.
 - A. This goal should allow time for determination of indications (leak rate, etc.) and detailed review of Attachment 1, Emergency Classification Table.
2. Use the best information available when working through the Emergency Classification Table. When confronted with conflicting information for which resolution is not apparent, classify the condition at the highest appropriate emergency class.
3. If, in the judgement of the Nuclear Plant Supervisor (NPS)/Emergency Coordinator (EC), a situation is more serious than indicated by instrument readings or other parameters, Then classify the emergency condition at the more serious level (i.e., at the highest appropriate emergency class).
4. Multiple and Dual Unit Events

CAUTION

There can not be two concurrent declared emergency classes under the St. Lucie Plant Radiological Emergency Plan.

- A. If one Unit is in a classified event and the same or the other Unit enters into an event where the same or lesser Emergency Class would apply, Then a new classification should NOT be declared. The event should be documented on a SNF as "Additional Information or Update" and issued as soon as practicable.
- B. If one Unit is in a classified event and the other Unit enters into a more severe event in which a higher Emergency Class would apply, Then the new classification shall be declared and promptly, within the regulatory time limits, issued to the State, Counties and the NRC.

REVISION NO: 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE 11 of 32
PROCEDURE NO: EPIP-01	ST. LUCIE PLANT	

5.2 Classifying the Event (continued)

5. ¶2 If an EAL was met and the condition completely cleared prior to an emergency classification being declared, Then:
- A. Classify the event in accordance with Attachment 1.
 - B. Termination of the event
 - 1. An event classified as an Unusual Event or Alert may be terminated at the time of declaration by the EC.
 - 2. An event classified as a Site Area Emergency or General Emergency may only be downgraded and/or terminated by the Recovery Manager (RM).

END OF SECTION 5.2

REVISION NO: 5	PROCEDURE TITLE CLASSIFICATION OF EMERGENCIES	PAGE 12 of 32
PROCEDURE NO: EPIP-01	STATE PLANT	

5.3 ¶1 Classification of An Event Based on Subsequent Information

1. If subsequent information of a more detailed nature (e.g., sampling results) becomes available after the initial classification has been made, Then reclassify as appropriate.
2. If results of a protracted review (i.e., Engineering Evaluation, CR disposition, etc.) of an event indicate that conditions were met for an Emergency Classification, and the condition has completely cleared prior to recognition of possible classification, Then notify NRC within one hour of discovery of the undeclared event.
 - A. Contact Emergency Preparedness for briefing of state and local agencies.

END OF SECTION 5.3

REVISION NO: 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 13 of 32
PROCEDURE NO: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 1 of 20)

CAUTION
§2 Section 1 A should not be used for a steam generator tube leak / rupture

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
1 A <u>ABNORMAL PRIMARY LEAK RATE</u> (Page 1 of 2)	<p>Reactor Coolant System (RCS) Leakage</p> <p>1 RCS leakage GREATER THAN 10 gpm as indicated by</p> <p>A Control Room observation <u>OR</u> B Inventory balance calculation <u>OR</u></p>	<p><u>RCS Leakage GREATER THAN 50 gpm</u></p> <p>1. Unisolable RCS leakage as indicated by Charging/letdown mismatch greater than 50 gpm but less than available charging pump capacity <u>OR</u> 2. Unisolable measured RCS leakage indicating greater than 50 gpm but less</p>	<p><u>LOCA GREATER THAN</u> capacity of charging pumps</p> <p>1. RCS leakage greater than available charging pump capacity occurring with RCS pressure above HPSI shutoff head <u>OR</u> 2. RCS leakage greater than available</p>	<p><u>A release has occurred or is in progress resulting in:</u></p> <p>1 Containment High Range Radiation monitor greater than 1.46×10^3 R/hr (If CHRRM inoperable, Post-LOCA monitors greater than 1000 mR/hr) <u>OR</u> 2. Performance of EPIP-09 (Off-site Dose</p>

AND
Inability to reduce the leak rate to technical specification limits within the timeframe of the action statement

NOTE
For RCS Leakage in Section 1 above, the (Notification of) Unusual Event should be declared upon commencing a load reduction/mode change.

OR
2 Indication of leaking RCS safety or relief valve which causes RCS pressure to drop below setpoints:
- Unit 1 - 1600 psia
- Unit 2 - 1736 psia

3. Loss of RCS subcooled margin due to RCS leakage (saturated conditions)
OR
4. Containment High Range Radiation Monitors Indicate 7.3×10^3 R/hr (If CHRRM inoperable, Post-LOCA monitors indicate between 100 and 1000 mR/hr)

been exceeded as indicated by either A, B, C or D below:

A 1000 mrem/hr (total dose rate)
B 1000 mrem (total dose - TEDE)
C 5000 mrem/hr (thyroid dose rate)
D 5000 mrem (thyroid dose - CDE)

(continued on next page)

1 A ABNORMAL PRIMARY LEAK RATE

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO.: 5	PROCEDURE TITLE. CLASSIFICATION OF EMERGENCIES	PAGE: 14 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 2 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
1 A <u>ABNORMAL PRIMARY LEAK RATE</u> (Page 2 of 2)				<p><u>Loss of 2 of the 3 fission product barriers with imminent loss of the third (any two of the following exist and the third is imminent)</u></p> <p>1. Fuel element failure (confirmed DEQ I-131 activity greater than 275 µCi/mL)</p> <p align="center"><u>AND</u></p> <p>2. LOCA or Tube rupture on unisolable steam generator.</p> <p align="center"><u>AND</u></p> <p>3. Containment Integrity Breached.</p>
1.A. <u>ABNORMAL PRIMARY LEAK RATE</u>				<div style="border: 1px solid black; padding: 5px;"> <p align="center">NOTE</p> <p>Also refer to Potential Core Melt Event / Class 6 A.</p> </div>

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO.: 5	PROCEDURE TITLE. CLASSIFICATION OF EMERGENCIES	PAGE. 15 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 3 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
1 B <u>ABNORMAL PRIMARY TO SECONDARY LEAK RATE</u> (Page 1 of 2)	<u>RCS PRI/SEC Leakage</u> 1. Measured RCS to secondary leakage exceeds Tech Spec limits <u>AND</u> 2. Secondary plant activity is detected	<u>Rapid gross failure of one steam generator tube (WITHIN charging pump capacity) with loss of offsite power</u> 1 Measured RCS to secondary leakage greater than Tech. Spec Limits and within charging pump capacity. <u>AND</u> 2. Secondary plant activity is detected. <u>AND</u> 3. Loss of both Non-Vital 4.16 KV buses	<u>Rapid gross failure of steam generator tubes (GREATER THAN charging pump capacity) with a loss of offsite power</u> 1 Measured RCS to secondary leakage is greater than charging pump capacity. <u>AND</u> 2. Secondary plant activity is detected <u>AND</u> 3. Loss of both Non-Vital 4.16 KV buses	<u>Loss of 2 of the 3 fission product barriers with imminent loss of the third (any two of the following exist and the third is imminent)</u> 1 Fuel element failure (confirmed DEQ I-131 activity greater than 275 µCi/mL) <u>AND</u> 2 LOCA or Tube rupture on unisolable steam generator. <u>AND</u> 3 Containment integrity breached
		_____ (continued on next page)	_____ (continued on next page)	

NOTE
Also refer to Potential Core Melt Event/Class 6 A

1 B. ABNORMAL PRIMARY TO SECONDARY LEAK RATE

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO: 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 16 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 4 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
1 B. <u>ABNORMAL PRIMARY TO SECONDARY LEAK RATE</u> (Page 2 of 2)		<u>Rapid failure of steam generator tubes (GREATER THAN charging pump capacity)</u> 1. Measured RCS to secondary leakage greater than charging pump capacity. AND 2. Secondary plant activity is detected.	§2 <u>Rapid failure of steam generator tube(s) (GREATER THAN charging pump capacity) with steam release in progress</u> 1. Measured RCS to secondary leakage greater than charging pump capacity. AND 2. Secondary plant activity is detected AND 3. Secondary steam release in progress from affected generator (i e , ADVs, stuck steam safety(s) or unisolable leak)	
1 B. <u>ABNORMAL PRIMARY TO SECONDARY LEAK RATE</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO.:	PROCEDURE TITLE:	PAGE:
5	CLASSIFICATION OF EMERGENCIES	17 of 32
PROCEDURE NO.:	ST. LUCIE PLANT	
EPIP-01		

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 5 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
1 C <u>LOSS OF SECONDARY COOLANT</u> (Page 1 of 2)	<u>Rapid depressurization of secondary plant</u> 1 Rapid drop in either steam generator pressure to less than 600 psia	<u>Major steam leak with GREATER THAN 10 gpm primary/secondary leakage</u> 1. Rapid drop in either steam generator pressure to less than 600 psia <u>AND</u> 2. Known pri/sec leak of greater than 10 gpm. <u>AND</u> 3. Secondary plant activity is detected. <hr/> <u>Total loss of feedwater</u> 1. No main or auxiliary feedwater flow available for greater than 15 minutes when required for heat removal <u>AND</u> 2. Steam Generator levels are less than 40% wide range	<u>Major steam leak with GREATER THAN 50 gpm primary/secondary leakage and fuel damage indicated</u> 1. Rapid drop in either steam generator pressure to less than 600 psia <u>AND</u> 2. Known pri/sec leak of greater than 50 gpm. <u>AND</u> 3. Secondary plant activity is detected. <u>AND</u> 4. Fuel element damage is indicated (Refer to Fuel Element Failure Event/Class 4 A). <hr/> <u>TLOF with once-through cooling initiated</u> 1. No main or auxiliary feedwater flow available. <u>AND</u> 2. PORV(s) have been opened to facilitate core heat removal	<u>A release has occurred or is in progress resulting in</u> 1. Containment High Range Radiation monitor greater than 1.46×10^5 R/hr (If CHRRM inoperable, Post-LOCA monitors greater than 1000 mR/hr) <u>OR</u> 2. Performance of EPIP-09 (Off-site Dose Calculations) or measured dose rates from off-site surveys indicate site boundary (1 mile) exposure levels have been exceeded as indicated by either A, B, C or D below: A. 1000 mrem/hr (total dose rate) B. 1000 mrem (total dose - TEDE) C. 5000 mrem/hr (thyroid dose rate) D. 5000 mrem (thyroid dose - CDE) (continued on next page)

1 C. LOSS OF SECONDARY COOLANT

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO : 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 18 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 6 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
1.C <u>LOSS OF SECONDARY COOLANT</u> (Page 2 of 2)				<p><u>Loss of 2 of the 3 fission product barriers with imminent loss of the third (any two of the following exist and the third is imminent)</u></p> <ol style="list-style-type: none"> 1 Fuel element failure (confirmed DEQ I-131 activity greater than 275 µCi/mL) <u>AND</u> 2. LOCA or Tube rupture on unisolable steam generator. <u>AND</u> 3 Containment Integrity Breached

<p><u>NOTE</u> Also refer to Potential Core Melt Event/Class 6 A</p>

1 C. LOSS OF SECONDARY COOLANT

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO. 5	PROCEDURE TITLE CLASSIFICATION OF EMERGENCIES	PAGE: 19 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 7 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
2 A <u>UNCONTROLLED EFFLUENT RELEASE</u>	<u>Radiological effluent limits exceeded</u> 1 Plant effluent monitor(s) exceed alarm setpoint(s). AND 2 Confirmed analysis results for gaseous or liquid release which exceeds ODCM limits <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p align="center">NOTE</p> <p>If analysis is not available within one hour and it is expected that release is greater than ODCM limit, classify as <u>UNUSUAL EVENT</u>.</p> </div>	<u>A release has occurred or is in progress that is 10 times the effluent limit</u> 1. Plant effluent monitor(s) significantly exceed alarm setpoints. AND 2. Confirmed analysis results for gaseous or liquid release which exceeds <u>10 times ODCM limits</u> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p align="center">NOTE</p> <p>If analysis is not available within one hour and it is expected that release is equal to or greater than <u>10 times ODCM limit</u>, classify as <u>ALERT</u></p> </div>	§2 <u>A release has occurred or is in progress resulting in:</u> 1. Containment High Range Radiation Monitor greater than 7.3×10^3 R/hr (Post-LOCA monitors indicate between 100 and 1000 mR/hr, if CHRRM inoperable). OR 2. Measured Dose Rates or Offsite Dose Calculation (EPIP-09) worksheet values at one mile in excess of. A. 50 mrem/hr (total dose rate) or 250 mrem/hr (thyroid dose rate) for 1/2 hour OR B. 500 mrem/hr (total dose rate) or 2500 mrem/hr (thyroid dose rate) for two minutes at one mile	<u>A release has occurred or is in progress resulting in:</u> 1. Containment High Range Radiation monitor greater than 1.46×10^5 R/hr (If CHRRM inoperable, Post-LOCA monitors greater than 1000 mR/hr) OR 2. Performance of EPIP-09 (Off-site Dose Calculations) or measured dose rates from off-site surveys indicate site boundary (1 mile) exposure levels have been exceeded as indicated by either A, B, C or D below. A 1000 mrem/hr (total dose rate) B. 1000 mrem (total dose - TEDE) C. 5000 mrem/hr (thyroid dose rate) D 5000 mrem (thyroid dose-CDE)

ODCM - refers to Chemistry Procedure C-200, Offsite Dose Calculation Manual (ODCM)

2 A UNCONTROLLED EFFLUENT RELEASE

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO.:	PROCEDURE TITLE.	PAGE.
5	CLASSIFICATION OF EMERGENCIES	20 of 32
PROCEDURE NO.:	ST. LUCIE PLANT	
EPIP-01		

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
 (Page 8 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
2 B <u>HIGH RADIATION LEVELS IN PLANT</u>		<p><u>High radiation levels or high airborne contamination which indicates a severe degradation in the control of radioactive materials</u></p> <ol style="list-style-type: none"> Any valid area monitor alarm from an unplanned source with meter near or greater than full scale deflection (10³ mR/hr) OR Unexpected plant Iodine or particulate airborne concentration of 1000 DAC as seen in routine surveying or sampling OR Unexpected direct radiation dose rate reading or unexpected airborne radioactivity concentration from an unplanned source in excess of 1000 times normal levels. 		
2 B <u>HIGH RADIATION LEVELS IN PLANT</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

/R5

/R5

REVISION NO : 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 21 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 9 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
3. <u>FIRE</u>	§2 <u>Uncontrolled fire within the Power Block lasting more than 10 minutes</u>	<u>Uncontrolled fire</u> 1. Potentially affecting safety systems AND 2. Requiring off-site support in the opinion of the NPS/EC	§2 <u>Fire compromising the function of safety systems (e.g., both trains rendered inoperable)</u>	<div style="border: 1px solid black; padding: 5px;"> <p align="center">NOTE</p> <p>Refer to Potential Core Melt Event/Class 6 A</p> </div>

NOTE

§2 Explosion is defined as a rapid chemical reaction resulting in noise, heat and rapid expansion of gas.

<u>EXPLOSION</u>	<u>Occurrence of an explosion within the Owner Controlled Area</u>	§2 <u>Damage to structures/components in the Protected Area by explosion which affects plant operation</u>	§2 <u>Severe damage to safe shutdown equipment from explosion (e.g., both trains rendered inoperable)</u>
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3. FIRE
EXPLOSION

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO : 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 22 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 10 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
4.A. <u>FUEL ELEMENT FAILURE</u>	<u>Fuel element damage</u> 1. Process monitors or area radiation surveys indicate increased letdown activity <u>AND</u> 2. Confirmed RCS sample indicating: A. Coolant activity greater than the Tech Spec limit for iodine spike (Tech Spec Figure 3 4-1.). <u>OR</u> B. Coolant activity greater than 100/E $\mu\text{Ci}/\text{gram}$ specific activity.	<u>Fuel element failure</u> 1. Process monitors or area radiation surveys indicate increased letdown activity and confirmed RCS Samples indicating DEQ I-131 activity greater than or equal to 275 $\mu\text{Ci}/\text{mL}$.	<u>Fuel element failure with inadequate core cooling</u> 1. RCS DEQ I-131 activity greater than or equal to 275 $\mu\text{Ci}/\text{mL}$ <u>AND</u> 2. Highest CET per core quadrant indicates greater than 10°F superheat or 700°F.	<u>A release has occurred or is in progress resulting in:</u> 1. Containment High Range Radiation monitor greater than 1.46×10^5 R/hr (If CHRRM inoperable, Post-LOCA monitors greater than 1000 mR/hr). <u>OR</u> 2. Performance of EPIP-09 (Off-site Dose Calculations) or measured dose rates from off-site surveys indicate site boundary (1 mile) exposure levels have been exceeded as indicated by either A, B, C or D below A. 1000 mrem/hr (total dose rate) B. 1000 mrem (total dose - TEDE) C. 5000 mrem/hr (thyroid dose rate) D. 5000 mrem (thyroid dose - CDE)
	NOTE If analysis is not available within one hour and it is expected that activity is greater than Tech Spec limit, classify as <u>UNUSUAL EVENT</u> .	NOTE If analysis is not available within one hour and it is expected that RCS activity for DEQ I-131 is greater than 275 $\mu\text{Ci}/\text{mL}$, classify as an <u>ALERT</u> .		

4.A. FUEL ELEMENT FAILURE

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO: 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 23 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 11 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
4 B <u>FUEL HANDLING ACCIDENT</u>		<u>Fuel handling accident which results in the release of radioactivity to Containment or Fuel Handling Building.</u> 1. NPS/EC determines that an irradiated fuel assembly may have been damaged <u>AND</u> 2. Associated area or process radiation monitors are in alarm.	§2 <u>Major damage to irradiated fuel in Containment or Fuel Handling Building</u> 1. Affected area radiation monitor greater than 1000 mrem/hr. <u>AND</u> 2. Damage to more than one irradiated fuel assembly. <u>OR</u> Major damage resulting from uncovering of one or more irradiated fuel assemblies in the Spent Fuel Pool	
4 B <u>FUEL HANDLING ACCIDENT</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO : 5	PROCEDURE TITLE. CLASSIFICATION OF EMERGENCIES	PAGE: 24 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 12 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
5 A <u>EARTHQUAKE</u>	<p>§2 <u>A confirmed earthquake has occurred</u></p> <p>1. A confirmed earthquake has been experienced within the Owner Controlled Area. <u>OR</u> 2. ¶4 An earthquake is detected by plant seismic monitor instruments or other means</p>	<p>§2 <u>A confirmed earthquake has occurred</u></p> <p>1. A confirmed earthquake has occurred which registered GREATER THAN 0.05g within the Owner Controlled Area <u>OR</u> 2. A confirmed earthquake has occurred that could or has caused trip of the turbine generator or reactor.</p>	<p>§2 <u>A confirmed earthquake has occurred</u></p> <p>1. A confirmed earthquake has occurred which registered GREATER THAN 0.1g within the Owner Controlled Area and the plant not in Cold Shutdown. <u>OR</u> 2. A confirmed earthquake has occurred that has caused loss of any safety system function (e.g., both trains inoperable).</p>	<p align="center">NOTE Refer to Potential Core Melt Event / Class 6 A</p>
5 B <u>HURRICANE</u>	<p><u>Hurricane Warning</u></p> <p>1. Confirmed hurricane warning is in effect</p>	<p><u>Hurricane warning with winds near design basis</u></p> <p>1. Confirmed hurricane warning is in effect and winds are expected to exceed 175 mph within the Owner Controlled Area</p>	<p><u>Hurricane warning with winds GREATER THAN design basis</u></p> <p>1. Plant not at cold shutdown. <u>AND</u> 2. Confirmed hurricane warning is in effect and winds are expected to exceed 194 mph within the Owner Controlled Area.</p>	<p align="center">NOTE Refer to Potential Core Melt Event / Class 6 A.</p>
		<p align="center">NOTE At FPL's request, NOAA will provide an accurate projection of wind speeds onsite 24 hours prior to the onset of hurricane force winds. If that projection is not available within 12 hours of entering into the warning, classify the event using current track and wind speeds to project onsite conditions. For example, projected onsite wind speed would be less than maximum hurricane wind speed if the track is away from PSL.</p>	<p align="center">NOTE At FPL's request, NOAA will provide an accurate projection of wind speeds onsite 24 hours prior to the onset of hurricane force winds. If that projection is not available within 12 hours of entering into the warning, classify the event using current track and wind speeds to project onsite conditions. For example, projected onsite wind speed would be less than maximum hurricane wind speed if the track is away from PSL.</p>	
5 A <u>EARTHQUAKE</u> 5 B <u>HURRICANE</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO. 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 25 of 32
PROCEDURE NO.. EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 13 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
5 C <u>TORNADO</u>	<u>Notification of a tornado sighted in the Owner Controlled Area</u>	§2 <u>Any tornado striking the Power Block</u>		NOTE Refer to Potential Core Melt Event / Class 6 A
5.D. <u>ABNORMAL WATER LEVEL</u>	<u>Abnormal water level conditions are expected or occurring</u> 1 Low intake canal level of -10.5 ft MLW for 1 hour or more. OR 2 Visual sightings by station personnel that water levels are approaching storm drain system capacity.	<u>Flood, low water, hurricane surge or other abnormal water level conditions</u> 1. The storm drain capacity is exceeded during hurricane surge or known flood conditions OR 2. Low intake canal level of -10 5 ft MLW for 1 hour or more with emergency barrier valves open	<u>Flood, low water, hurricane surge or other abnormal water level conditions causing failure of vital equipment</u> 1. Flood/surge water level reaching elevation +19 5 ft (turbine building / RAB ground floor) OR 2. Low intake canal level has caused the loss of all ICW flow	
5 C <u>TORNADO</u>				
5 D <u>ABNORMAL WATER LEVEL</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO. 5	PROCEDURE TITLE CLASSIFICATION OF EMERGENCIES	PAGE 26 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 14 of 20)

NOTE
Activation of the Emergency Response Facilities does not require declaration of an emergency or entry into a specific emergency classification.

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
6 A <u>INCREASED AWARENESS OR POTENTIAL CORE MELT</u> (Page 1 of 2)	<p><u>Emergency Coordinator's judgement that plant conditions exist which warrant increased awareness on the part of the operating staff and/or local authorities.</u></p> <p>1 The plant is shutdown under abnormal conditions (e g , exceeding cooldown rates or primary system pipe cracks are found during operation) <u>OR</u> 2 Any plant shutdown required by Technical Specifications in which the required shutdown is not reached within action limits.</p>	<p>§2 <u>Emergency Coordinator's judgement that plant conditions exist which have a potential to degrade the level of safety at the plant.</u></p>	<p>§2 <u>Emergency Coordinator's judgement that plant conditions exist which are significantly degrading in an uncontrollable manner.</u></p>	<p>§2 <u>Emergency Coordinator's judgement that plant conditions exist that make release of large amounts of radioactivity in a short period appear possible or likely. (Any core melt situation)</u></p> <p>1 LOCA with failure of ECCS leading to severe core degradation or melt. <u>OR</u> 2 LOCA with Initially successful ECCS and subsequent failure of containment heat removal systems for greater than 2 hours. <u>OR</u> 3 Total loss of feedwater followed by failure of once-through-cooling (ECCS) to adequately cool the core <u>OR</u> 4 Failure of off-site and on-site power along with total loss of feedwater makeup capability for greater than 2 hours <u>OR</u> 5 ATWS occurs which results in core damage or causes failure of core cooling and make-up systems <u>OR</u> 6 Any major internal or external event (e g , fire, earthquake or tornado substantially beyond design basis) which in the ECs opinion has or could cause massive damage to plant systems resulting in any of the above.</p> <p align="right">(continued on next page)</p>
6 A <u>INCREASED AWARENESS OR POTENTIAL CORE MELT</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO : 5	PROCEDURE TITLE. CLASSIFICATION OF EMERGENCIES	PAGE: 27 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 15 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
6 A. <u>INCREASED AWARENESS OR POTENTIAL CORE MELT</u> (Page 2 of 2)				<p align="center">NOTES</p> <ol style="list-style-type: none"> Most likely containment failure mode is melt-through with release of gases only. Quicker releases are expected for failure of containment isolation system General Emergency must be declared for the above listed events. The likelihood of corrective action (repair of AFW pump, etc) should not be considered.
6 A <u>INCREASED AWARENESS OR POTENTIAL CORE MELT</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO. 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 28 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 16 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
7.A. <u>LOSS OF POWER</u>	<u>Loss of off-site power or loss of all on-site AC power capability.</u> 1. Loss of off-site AC power <u>OR</u> 2. Loss of capability to power at least one vital 4.16 kv bus from <u>any</u> available emergency diesel generator.	§2 <u>Station Blackout (Total Loss of AC)</u> 1. Loss of off-site AC power <u>AND</u> 2. Failure of both emergency diesel generators to start or load. <hr/> <u>Loss of all on-site DC power</u> 1. Drop in A and B DC bus voltages to less than 70 VDC.	§2 <u>Station Blackout (Total Loss of AC) for GREATER THAN 15 minutes</u> 1. Loss of offsite AC power. <u>AND</u> 2. Sustained failure of both emergency diesel generators to start or load. <u>AND</u> 3. Failure to restore AC power to at least one vital 4.16 kv bus within 15 minutes <hr/> <u>Loss of all vital on-site DC for greater than 15 minutes</u> 1. Sustained drop in A and B DC bus voltages to 70 VDC for greater than 15 minutes.	<div style="border: 1px solid black; padding: 5px;"> <p align="center">NOTE</p> <p align="center">Refer to Potential Core Melt Event / Class 6 A</p> </div>

7 A LOSS OF POWER

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO : 5	PROCEDURE TITLE. CLASSIFICATION OF EMERGENCIES	PAGE: 29 of 32
PROCEDURE NO : EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 17 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
8 A <u>LOSS OF PLANT CONTROL FUNCTIONS</u>		<u>Loss of Plant Control Functions</u> 1. Complete loss of any function needed for plant cold shutdown. <u>OR</u> 2. Failure of the Reactor Protection System to bring the reactor subcritical when needed <u>OR</u> 3. Control Room is evacuated (for other than drill purposes) with control established locally at the Hot Shutdown Control Panel <hr/> <u>Loss of Shutdown Cooling</u> 1. Complete loss of functions needed to maintain cold shutdown. A. Failure of shutdown cooling systems, resulting in loss of cold shutdown conditions. <u>AND</u> B. RCS subcooling can NOT be maintained greater than 0°F.	<u>Critical Loss of Plant Control Functions</u> 1. Loss of any function or system which, in the opinion of the Emergency Coordinator, precludes placing the plant in Hot Shutdown. <u>OR</u> 2. Failure of the RPS to trip the reactor when needed and operator actions fail to bring the reactor subcritical <u>OR</u> 3. Control Room is evacuated (for other than drill purposes) and control cannot be established locally at the Hot Shutdown Control Panel within 15 minutes.	<div style="border: 1px solid black; padding: 5px;"> <p align="center">NOTE</p> <p>Refer to Potential Core Melt Event / Class 6 A.</p> </div>
8 A <u>LOSS OF PLANT CONTROL FUNCTIONS</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO. 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 30 of 32
PROCEDURE NO. EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 18 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
8 B. <u>LOSS OF ALARMS / COMMUNICATION / MONITORING</u>	§2 <u>Significant loss of effluent monitoring capability, communications, indication and alarm panels, etc., which impairs ability to perform accident or emergency assessment</u> 1. Loss of effluent or radiological monitoring capability requiring plant shutdown <u>OR</u> 2. Loss of all primary <u>and</u> backup communication capability with offsite locations <u>OR</u> 3. Unplanned loss of most (greater than 75%) or all Safety System annunciators for greater than 15 minutes.	§2 <u>Loss of alarms</u> 1. Unplanned loss of most (greater than 75%) or all safety system annunciators. <u>AND</u> 2. Plant transient in progress	<u>Loss of alarms/monitoring</u> 1. Inability to monitor* a significant transient in progress	
8.B. <u>LOSS OF ALARMS / COMMUNICATION / MONITORING</u>			*Monitoring means loss of ERDADS, QSPDS and/or the inability to determine any one of the following. reactivity control, core cooling, RCS status or containment integrity.	

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO. 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE: 31 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 19 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
9 A. <u>AIRCRAFT / MISSILE</u>	<u>Unusual aircraft activity</u> 1 Aircraft crash in the Owner Controlled Area or unusual aircraft activity over facility that in the opinion of the NPS/EC, could threaten the safety of the plant or personnel.	§2 <u>Aircraft/missile impact</u> 1. Aircraft crash into the Power Block. OR 2 Visual or audible indication of missile impact on the Power Block	§2 <u>Damage to vital systems from aircraft/missiles</u> 1. Aircraft crash into the Power Block damaging vital plant systems. OR 2. Damage resulting in loss of safe shutdown equipment from any missile	
9 B. <u>TURBINE FAILURE</u>	<u>Turbine rotating component failure causing rapid plant shutdown</u>	<u>Visual indication that the turbine casing has been penetrated by blading</u>		
9 C. <u>TOXIC OR FLAMMABLE GAS</u>	<u>Unplanned/uncontrolled toxic or flammable gas release in the Owner Controlled Area that could affect plant/personnel safety</u>	<u>Entry of toxic or flammable gas into areas potentially affecting plant operation</u>	§2 <u>Toxic or flammable gas has diffused into vital areas compromising the function of safety related equipment (e.g., both trains rendered inoperable)</u>	
9.A. <u>AIRCRAFT / MISSILE</u>				
9 B <u>TURBINE FAILURE</u>				
9 C. <u>TOXIC OR FLAMMABLE GAS</u>				

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

REVISION NO.: 5	PROCEDURE TITLE: CLASSIFICATION OF EMERGENCIES	PAGE 32 of 32
PROCEDURE NO.: EPIP-01	ST. LUCIE PLANT	

ATTACHMENT 1
EMERGENCY CLASSIFICATION TABLE
(Page 20 of 20)

EVENT/CLASS	UNUSUAL EVENT	ALERT	SITE AREA EMERGENCY	GENERAL EMERGENCY
10 <u>SECURITY THREAT</u>	<p><u>A SECURITY ALERT has been called by the Security Force in response to one or more of the items listed below.</u></p> <ol style="list-style-type: none"> 1 Bomb threat 2 Attack threat 3 Security threat 4. Protected Area intrusion attempt 5 Sabotage attempt 6 Internal disturbance 7. Civil disturbance 8 Vital Area intrusion 9. Security Force strike 10 Credible site-specific Security threat notification 	<p><u>A SECURITY EMERGENCY has been called by the Security Force as defined in the Safeguards Contingency Plan.</u></p>	<p><u>A SECURITY EMERGENCY involving imminent occupancy of the control room or other area(s) vital to the operation of the reactor as defined in the Safeguards Contingency Plan.</u></p>	<p><u>A successful takeover of the plant including the Control Room or any other area(s) vital to the operation of the reactor (as per the Security Plan).</u></p>

10 SECURITY THREAT

AFTER CLASSIFYING, GO TO EPIP-02, DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR



FPL

ST. LUCIE PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

SAFETY RELATED

Procedure No.

EPIP-02

Current Revision No.

10

Effective Date

08/01/02

Title:

DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR

Responsible Department: **EMERGENCY PLANNING**

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PROCEDURE PRODUCTION

REVISION SUMMARY:

Revision 10 - Clarified duties of DCS as phonetalker. Clarified checklists regarding steps not necessary in TSC. Made editorial/administrative changes. (J. R. Walker, 07/26/02)

Revision 9 – **THIS PROCEDURE HAS BEEN COMPLETELY REWRITTEN.** Added responsibility for information services to update checklists in CRs, deleted basis of exposure guidelines, added statement on EC coverage during a prolonged event, deleted emergency declaration checklist, revised emergency class checklists, added reference to EPIP-07 and made editorial and administrative changes. (J. R. Walker, 06/11/01)

Revision 8 - Revised off-site assembly area to Jensen public beach parking area in accordance with revision 38 of the E-Plan and made administrative changed. (J. R. Walker, 10/13/00)

Revision 7 - Deleted policy reference per PMAI, clarified windspeed for unit shutdown, revised re-entry guidelines and made editorial changes. (J. R. Walker, 09/21/00)

Revision 6 - **THIS PROCEDURE HAS BEEN COMPLETELY REWRITTEN.** Deleted information and instructions for off-site notifications and PARs. Relocated to new EPIP-08 off-site notifications and protective action recommendations. Addressed early activation of emergency response facilities per PMAI PM00-13-122. Made administrative and editorial changes. (Donna Calabrese, 05/31/00)

Revision	FRG Review Date	Approved By	Approval Date	S__OPS
0	12/15/97	J. Scarola Plant General Manager	12/15/97	DATE _____ DOCT PROCEDURE DOCN EPIP-02 SYS _____ COM COMPLETED ITM 10
10	07/25/02	D. Rose Plant General Manager N/A Designated Approver N/A Designated Approver (Minor Correction)	07/26/02	

REVISION NO : 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 2 of 36
PROCEDURE NO : EPIP-02		

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 PURPOSE.....	3
2.0 REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS...	3
3.0 RESPONSIBILITIES.....	5
4.0 DEFINITIONS.....	6
5.0 INSTRUCTIONS	7
5.1 General Overview	7
5.2 Unusual Event Declaration Checklist.....	11
5.3 Alert Declaration Checklist.....	14
5.4 Site Area Emergency Declaration Checklist	19
5.5 General Emergency Declaration Checklist	25
 <u>ATTACHMENTS</u>	
ATTACHMENT 1 INITIAL NOTIFICATION FLOW.....	31
ATTACHMENT 2 CRITERIA FOR EVACUATION	32
ATTACHMENT 3 TURNOVER GUIDELINES.....	33
ATTACHMENT 4 FIELD OPERATOR RE-ENTRY GUIDELINES	35
ATTACHMENT 5 EXPOSURE LIMITS FOR EMERGENCY RESPONSE PERSONNEL	36

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE. 3 of 36
PROCEDURE NO.: EPIP-02		

1.0 PURPOSE

1.1 This procedure provides guidance and instructions to be followed by the Emergency Coordinator when an emergency occurs that requires the implementation of the Radiological Emergency Plan for St. Lucie Plant.

2.0 REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS

NOTE

One or more of the following symbols may be used in this procedure:

§ Indicates a Regulatory commitment made by Technical Specifications, Condition of License, Audit, LER, Bulletin, Operating Experience, License Renewal, etc. and shall NOT be revised without Facility Review Group review and Plant General Manager approval.

¶ Indicates a management directive, vendor recommendation, plant practice or other non-regulatory commitment that should NOT be revised without consultation with the plant staff.

Ψ Indicates a step that requires a sign off on an attachment.

2.1 References

1. St. Lucie Plant Updated Final Safety Analysis Report (UFSAR) Unit 1 and Unit 2 (Section 9.5.A.7.2)
2. §₁ St. Lucie Plant Radiological Emergency Plan (E-Plan)
3. St. Lucie Plant Physical Security Plan
4. St. Lucie Plant Safeguards Contingency Plan
5. E-Plan Implementing Procedures (EPIP 00-13)
6. 10 CFR 50, Domestic Licensing of Production and Utilization Facilities.
7. NUREG/BR-0150, Vol. 1, Response Technical Manual (USNRC).
8. NUREG-0654, FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.
9. EPA 400-R-92-001, Manual of Protective Actions Guides and Protective Actions for Nuclear Incidents, October, 1991.

REVISION NO. 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 4 of 36
PROCEDURE NO. EPIP-02		

2.2 Records Required

¶10 A copy of the checklists or data generated by this procedure shall be maintained in the plant files in accordance with QI-17-PSL-1, Quality Assurance Records. Records include:

1. Emergency Class Checklists

2.3 Commitment Documents

1. ¶1 PMAI PM96-04-165, "ITR 96-006" (Unusual Event Declared Due to Dropped Rod)
2. ¶2 NRC Inspection Report 91-01, Closure of IFIs 89-31-03 and 89-31-01
3. ¶3 PMAI PM96-09-185, Condition Report CR-96-1750 (Off-site Notification Using Commercial Phone)
4. ¶5 PMAI PM96-05-233, (Off-site Notification Process).
5. ¶6 Condition Report CR 96-2389, (Off-site Dose Calculations).
6. ¶7 Condition Report CR 98-1536 (EC Responsibilities Remain in the Control Room).
7. ¶8 PMAI PM98-09-006 (Control of NLOs Under E-Plan).
8. ¶9 Condition Report CR 99-1406 (Field Operator Dosimetry Under E-Plan).
9. ¶10 PMAI PM99-10-191, Condition Report CR 99-1656 (Quality Records, Downpower Guidance Due to Hurricanes).
10. ¶11 PMAI PM99-10-142, Condition Report CR 99-1647 (EC Turnover).
11. ¶12 PMAI PM99-09-016, (PARs Based on FMT Data, Completion of NRC Notification Form).
12. ¶13 PMAI PM00-01-043, (Gai-Tronics E-Plan Alarm).
13. ¶14 PMAI PM00-03-122, (Early Activation of ERFs).
14. ¶15 Condition Report CR 02-0333, (Role of the Duty Call Supervisor).

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 5 of 36
PROCEDURE NO EPIP-02		

3.0 RESPONSIBILITIES

3.1 The Nuclear Plant Supervisor (NPS) and the shift operating staff represent the first line of response to any developing emergency condition. The primary responsibility of the NPS is to control the condition as well as possible.

3.2 The NPS upon declaration of an emergency classification becomes the Emergency Coordinator (EC). The NPS remains the EC until the position is turned over.

Specific Responsibilities of the EC are:

Direction of the on-site emergency organization to bring the emergency under control.

Notification of off-site agencies within specific time limits as mandated by regulations.

Changes in Emergency Classification based on changing conditions.

Protective Action Recommendations (PARs) until turnover to the Recovery Manager.

Interfaces with the Nuclear Regulatory Commission (NRC) Reactor Safety Operations Coordinator (RSOC) when the NRC site team arrives at the TSC.

3.3 Information Services maintains user copies, in the Unit 1 and Unit 2 Control Rooms, of the following checklists used for implementing the Emergency Plan:

- Unusual Event Declaration Checklist
- Alert Declaration Checklist
- Site Area Emergency Declaration Checklist
- General Emergency Declaration Checklist

REVISION NO: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 6 of 36
PROCEDURE NO.: EPIP-02		

4.0 DEFINITIONS

4.1 §1 Duty Call Supervisor (DCS) – The Duty Call Supervisor is a designated and trained supervisor assigned from the nuclear plant staff to provide 24-hour response to any emergency upon notification by the Nuclear Plant Supervisor. The Duty Call Supervisor (DCS) is responsible for notifying the Emergency Response Organization and, as requested, Plant management in the event of an emergency.

4.2 Owner Controlled Area Evacuation (= Site Evacuation) - The evacuation from the owner controlled area of all personnel except those required to place the plant in a safe condition, the Emergency Response Organization (ERO), and Security personnel to fulfill responsibilities for evacuation.

4.3 Release (during any declared emergency)

1. Any effluent monitor increase of (approximately) 10 times or one decade above pre-transient values.

OR

2. Health Physics detecting airborne radioactivity levels in excess of 25% derived air concentration (DAC) outside of plant buildings due to failure of equipment associated with the declared emergency.

REVISION NO.: 10	PROCEDURE TITLE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 7 of 36
PROCEDURE NO. EPIP-02		

5.0 INSTRUCTIONS

5.1 General Overview

1. ¶7.11 Upon Declaration of an emergency classification the NPS becomes the EC.

To ensure access to the EC for direction and control decisions and so that the responsibilities of the position can be successfully completed, the EC position shall remain, initially in the affected Control Room and then in the Technical Support Center (TSC), when it goes operational.

Prior to the TSC being operational or in cases when there is a prolonged event such as a hurricane, the duties and responsibilities of the EC, while a Control Room position, may be turned over to another qualified EC:

- If both Units are in classified events, the EC should locate in the Unit's Control Room with the highest classified event. If the site is in a dual Unit event, the EC should locate in the Unit 1 Control Room (due to proximity to the TSC).

If the TSC is activated, Then the EC position is turned over to an EC qualified member of plant management and the position relocated to the TSC. The prospective EC receives a turnover (refer to Attachment 3, Turnover Guidelines) from the Control Room EC and then reports to the TSC. Following verification of TSC operational readiness, the prospective EC accepts EC responsibility from the Control Room EC. The TSC EC may temporarily turnover responsibility to the TSC OPS Coordinator as the need arises.

2. To meet the above responsibilities, plus others described in this procedure, the EC will likely need to delegate many tasks. Although delegated, the completion of these tasks is still the responsibility of the EC.

The EC shall not delegate the following responsibilities prior to Emergency Operations Facility (EOF) being declared operational:

- A. Classification of the emergency.
- B. The decision to notify state and local authorities and the content of those notifications.

REVISION NO.: 10	PROCEDURE TITLE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 8 of 36
PROCEDURE NO : EPIP-02		

5.1 General Overview (continued)

2. (continued)

C. Recommendation of protective actions for the public.

Once the EOF is operational and proper turnover has been conducted, the Recovery Manager (RM) will assume responsibility for off-site notifications to the state and local authorities and for recommending off-site protective actions.

3. Order of Succession

If the NPS is incapacitated, Then the EC shall be (in order of succession):

- A. Assistant Nuclear Plant Supervisor (ANPS) (from the affected unit)**
- B. Nuclear Watch Engineer (NWE)**
- C. Any other member of the plant staff with an active SRO license.**

4. Watch Relief

- A. The EC shall grant permission for watch relief, including his/her own, only when it is safe in his/her judgement to do so.**

5. ¶14 Early Activation of Emergency Response Facilities

It may be useful to have technical and/or operational support available early in an emergency prior to when the Technical Support Center (TSC), Operational Support Center (OSC), or Emergency Operations Facility (EOF) is required to be operational. Activation of any of these facilities does not require declaration of an emergency class or entry into a specific emergency classification. If early activation of one or more of the facilities is desired, then follow these guidelines:

- A. This is an option during normal working hours only.**
- B. A page announcement should be made to request that appropriate Emergency Response Organization personnel to report to the [identify what facility/facilities is/are to be activated early].**
- C. Turnover of EC responsibilities is done in accordance with Step 5.1.1, above.**

REVISION NO. 10	PROCEDURE TITLE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 9 of 36
PROCEDURE NO. EPIP-02		

5.1 General Overview (continued)

5. (continued)

- D.** The E-Plan Activation Alarm is used only when the Emergency Response Facilities (ERFs) are to be activated in accordance with the requirements of the Emergency Plan (i.e., at the Alert or higher emergency level) and is provided for in the checklist included in this procedure.
- E.** Staff augmentation due to actual facility activation is to be done in accordance with the Alert Declaration Checklist, Site Area Emergency Declaration Checklist or the General Emergency Declaration Checklist which are part of this procedure.

6. Security Event

- A.** Site security and Local Law Enforcement (LLEA) will take the lead in response to a Security Event in accordance with the Security Plan.
- B.** Based on the nature of the Security Event and as conditions warrant, the Emergency Coordinator may delay, postpone or institute special arrangements concerning, but not limited to:
 - Emergency Response Facility (ERF) activation
 - Local or Site Evacuation
 - Site or Radiation Controlled Area (RCA) access
 - Operator field activities
 - Unit shutdown

7. Severe Weather Considerations

- ¶10** If a hurricane warning is in effect, and either one or both Unit(s) is/are in Mode 1, 2 or 3, Then use the following criteria for unit shutdown:

/R10

REVISION NO : 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 10 of 36
PROCEDURE NO.: EPIP-02		

5.1 General Overview (continued)

7. (continued)

NOTE

Sustained hurricane force winds are sustained winds of 74 mph (64 kt or 119 kph) or greater.

- A. For storms projected to reach a Category 1 or 2, the Unit(s) shall be placed in HOT STANDBY (Mode 3) or below at least two (2) hours before the projected onset of sustained hurricane force winds within the Owner Controlled Area and both Units shall remain off-line for the duration of the hurricane force winds (or restoration of reliable offsite power).
- B. For storms projected to reach Category 3, 4 and 5 prior to landfall, the Units shall be shut down to a temperature less than 350 degrees T ave. at least two (2) hours before the projected onset of sustained hurricane force winds within the Owner Controlled Area and both Units shall remain off-line for the duration of the hurricane force winds (or restoration of reliable offsite power).
- C. Establish an acceptable update frequency with state and local officials.

8. Drill Messages

- A. During exercises, drills, or tests, **ALL MESSAGES** shall begin and end with **THIS IS A DRILL** or **THIS IS AN EXERCISE** or **THIS IS A TEST**.

END OF SECTION 5.1

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 11 of 36
PROCEDURE NO : EPIP-02		

5.2 Unusual Event Declaration Checklist

TIME / INITIAL

Date: ___/___/___

CAUTION

Notification to the State Warning Point (SWP) shall occur within 15 minutes of declaration of the emergency classification.

NOTE

- Steps should be performed in the order presented. When conditions warrant, steps may be performed out of sequence.
- PA announcements are provided as a guideline. Actual announcements may vary from the text provided.
- Not Applicable (N/A) may be used for tasks / steps previously accomplished / satisfied.

1. Determine the following:

- | | | | |
|----|---------------------------------------|-------|---|
| A. | Shift Technical Advisor (STA) present | Y / N | |
| B. | Duty Call Supervisor (DCS) present | Y / N | |
| C. | Wind direction (from) | ___ | ° |

NOTE

During any declared emergency, a release is occurring if one of the following is true:

- Any effluent monitor increase of (approximately) 10 times or one decade above pre-transient values.

OR

- Health Physics detecting airborne radioactivity levels in excess of 25 percent Derived Air Concentration (DAC) outside of plant buildings due to failure of equipment associated with the declared emergency.

- | | | | |
|----|---------------------|-------|---------|
| D. | Release in progress | Y / N | ___/___ |
|----|---------------------|-------|---------|

- | | | | |
|----|---|--|---------|
| 2. | Mobilize emergency team personnel (i.e., Fire Team, First Aid Team) as required using Gai-tronics and boost function. | | ___/___ |
|----|---|--|---------|

REVISION NO 10	PROCEDURE TITLE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 12 of 36
PROCEDURE NO EPIP-02		

5.2	Unusual Event Declaration Checklist (continued)	<u>TIME / INITIAL</u>
3.	The NPS shall declare the emergency to the Control Room staff and formally announce that he / she is the Emergency Coordinator.	___/___
4.	Notify plant personnel using Gai-tronics and boost function as follows: "Attention all plant personnel, Unit <u>1 / 2</u> has declared an UNUSUAL EVENT. All personnel are to limit radio and phone use and listen for future instructions and further information." Repeat the announcement.	___/___
5.	Notify the Shift Technical Advisor and the Duty Call Supervisor to report to the Control Room using Gai-tronics and boost function. (N/A if already performed) "Shift Technical Advisor report to the Unit <u>1 / 2</u> Control Room." "Duty Call Supervisor report to the Unit <u>1 / 2</u> Control Room."	___/___ ___/___
6.	¶ ₆ <u>If</u> a release of radioactive material has occurred or is in progress, <u>Then</u> notify Chemistry to promptly implement EPIP-09, Off-site Dose Calculations, and report the results to the Emergency Coordinator (EC).	___/___
7.	<u>If</u> a Chemist is unavailable, <u>Then</u> call-out a Chemist (this may be accomplished by the DCS).	___/___
8.	<u>If</u> evacuation of an area is necessary (refer to Attachment 2, Criteria for Evacuation), <u>Then</u> initiate a local evacuation.	___/___
9.	¶ ₁₅ Complete required notifications in accordance with Appendix A, Notifications from the Affected Control Room, in EPIP-08, Off-site Notifications and Protective Action Recommendations. The DCS may be utilized as a phonetalker. State Warning Point NRC	___/___ ___/___

REVISION NO.: 10	PROCEDURE TITLE. DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 13 of 36
PROCEDURE NO.: EPIP-02		

5.2 Unusual Event Declaration Checklist (continued) TIME / INITIAL

- 10.** Ensure notification of the following: (this may be accomplished by the DCS)
- Plant Management _ / _
- Security _ / _
- Nuclear Division Duty Officer (NDDO) _ / _
- 11.** Utilize Attachment 3, Turnover Guidelines when relinquishing duties to the oncoming EC. _ / _

NOTE
 ¶₂ New notification forms shall be completed for all updates.

- 12.** ¶₁₅ If a State / Local notification frequency has been negotiated, Then provide an update, as necessary utilizing a new notification form. The DCS may be utilized as a phonetalker. (Repeat as necessary) _ / _
- _ / _
- _ / _
- _ / _
- _ / _
- _ / _
- 13.** If the event can be terminated, Then complete the notification forms (State, NRC) and notify the following: (this may be accomplished by the DCS)
- State Warning Point (SWP) _ / _
- Plant Management _ / _
- Security _ / _
- NDDO _ / _
- NRC _ / _
- 14.** UNUSUAL EVENT Declaration Checklist complete (emergency upgraded or event terminated). _ / _

END OF SECTION 5.2

/R10

REVISION NO: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 14 of 36
PROCEDURE NO: EPIP-02		

5.3 Alert Declaration Checklist

TIME / INITIAL

Date: ___ / ___ / ___

CAUTION

Notification to the State Warning Point (SWP) shall occur within 15 minutes of declaration of the emergency classification.

NOTE

- Steps should be performed in the order presented. When conditions warrant, steps may be performed out of sequence.
- PA announcements are provided as a guideline. Actual announcements may vary from the text provided.
- For assistance with exposure control, refer to:
 - Attachment 4, Field Operator Re-entry Guidelines
 - Attachment 5, Exposure Limits for Emergency Response Personnel
- Not Applicable (N/A) may be used for tasks / steps previously accomplished / satisfied.

1. Determine the following:

- | | | |
|----|---------------------------------------|-------|
| A. | Shift Technical Advisor (STA) present | Y / N |
| B. | Duty Call Supervisor (DCS) present | Y / N |
| C. | Wind direction (from) | ___° |

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 15 of 36
PROCEDURE NO. EPIP-02		

5.3 Alert Declaration Checklist (continued)

TIME / INITIAL

1. (continued)

NOTE

During any declared emergency, a release is occurring if one of the following is true:

- Any effluent monitor increase of (approximately) 10 times or one decade above pre-transient values.

OR

- Health Physics detecting airborne radioactivity levels in excess of 25 percent Derived Air Concentration (DAC) outside of plant buildings due to failure of equipment associated with the declared emergency.

D. Release in progress Y / N

E. E-Plan Alarm sounded and Emergency Response Facilities (ERFs) activated Y / N /

2. Mobilize emergency team personnel (i.e., Fire Team, First Aid Team) as required using Gai-tronics and boost function. /

3. The NPS shall declare the emergency to the Control Room staff and formally announce that he / she is the Emergency Coordinator. /

4. ¶₂ If a release of radioactive material is in progress, Then review personnel access with Health Physics personnel and notify Security personnel with any special instructions. /

5. ¶₁₃ Sound the Emergency Plan (E-Plan) Activation Alarm. /

REVISION NO: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 16 of 36
PROCEDURE NO: EPIP-02		

5.3 Alert Declaration Checklist (continued)

TIME / INITIAL

6. Notify plant personnel using Gai-tronics and boost function as follows:

“Attention all plant personnel, Unit 1 / 2 has declared an ALERT. All emergency response personnel report at once to your assigned emergency response facility.”

“All non-emergency response personnel report to your normal work location or contact your supervisor. Please limit radio and phone use and listen for further instructions and further information.”

Repeat the announcement.

___/___

7. Notify the Shift Technical Advisor and the Duty Call Supervisor to report to the Control Room using Gai-tronics and boost function. (N/A if already performed)

“Shift Technical Advisor report to the Unit 1 / 2 Control Room.”

___/___

“Duty Call Supervisor report to the Unit 1 / 2 Control Room.”

___/___

8. Initiate the call-out process in accordance with EPIP-03, Emergency Response Organization Notification / Staff Augmentation (this may be accomplished by the DCS).

___/___

9. ¶₆ If a release of radioactive material has occurred or is in progress, Then notify Chemistry to promptly implement EPIP-09, Off-site Dose Calculations, and report the results to the Emergency Coordinator (EC).

___/___

10. If a Chemist is unavailable, Then call-out a Chemist (this may be accomplished by the DCS).

___/___

11. If evacuation of an area is necessary (refer to Attachment 2, Criteria for Evacuation), Then initiate a local evacuation.

___/___

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 17 of 36
PROCEDURE NO : EPIP-02		

5.3 Alert Declaration Checklist (continued)

TIME / INITIAL

12. ¶15 Complete required notifications in accordance with Appendix A, Notifications from the Affected Control Room, in EPIP-08, Off-site Notifications and Protective Action Recommendations. The DCS may be utilized as a phonetalker.
- State Warning Point _ / _
- NRC _ / _
13. Ensure notification of the following: (this may be accomplished by the DCS)
- Plant Management _ / _
- Security _ / _
- Nuclear Division Duty Officer (NDDO) _ / _
14. Initiate the Operations Department Accountability Aid for both Unit 1 and Unit 2 and provide this list to the TSC when requested. (this may be accomplished by the DCS) _ / _
15. ¶9 Ensure Operations field personnel return to their assigned Control Room and obtain emergency Electronic Personal Dosimetry (EPD) from the HP Emergency Kit. _ / _
16. Utilize Attachment 3, Turnover Guidelines when relinquishing duties to the oncoming EC. _ / _

NOTE
¶2 New notification forms shall be completed for all updates.

17. ¶15 If State / Local notification has not been completed in the last 60 minutes, Then provide a routine update utilizing a new notification form. The DCS may be utilized as a phonetalker. (Repeat as necessary) _ / _
- _ / _
- _ / _
- _ / _
- _ / _

/R10

/R10

REVISION NO: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 18 of 36
PROCEDURE NO : EPIP-02		

5.3 Alert Declaration Checklist (continued)

TIME / INITIAL

- 18.** If the event can be terminated, Then complete the notification forms (State, NRC) and notify the following: (this may be accomplished by the DCS)

State Warning Point (SWP) _ / _

Plant Management _ / _

Security _ / _

NDDO _ / _

NRC _ / _

- 19.** ALERT Declaration Checklist complete (emergency upgraded or event terminated). _ / _

END OF SECTION 5.3

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 19 of 36
PROCEDURE NO. EPIP-02		

5.4 Site Area Emergency Declaration Checklist

TIME / INITIAL

Date: ___ / ___ / ___

CAUTION

Notification to the State Warning Point (SWP) shall occur within 15 minutes of declaration of the emergency classification.

NOTE

- Steps should be performed in the order presented. When conditions warrant, steps may be performed out of sequence.
- Steps with an asterisk are NOT applicable in the TSC.
- The DSC is available in the Control Room only.
- All Gai-tronics alarms and announcements require Control Room assistance.
- PA announcements are provided as a guideline. Actual announcements may vary from the text provided.
- For assistance with exposure control, refer to:
 - Attachment 4, Field Operator Re-entry Guidelines
 - Attachment 5, Exposure Limits for Emergency Response Personnel
- Not Applicable (N/A) may be used for tasks / steps previously accomplished / satisfied.

1. Determine the following:

- * A. Shift Technical Advisor (STA) present Y / N
- * B. Duty Call Supervisor (DCS) present Y / N
- C. Wind direction (from) _____ °

/R10 /R10 /R10

/R10 /R10

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 20 of 36
PROCEDURE NO.: EPIP-02		

5.4 Site Area Emergency Declaration Checklist (continued)

TIME / INITIAL

1. (continued)

NOTE

During any declared emergency, a release is occurring if one of the following is true:

- Any effluent monitor increase of (approximately) 10 times or one decade above pre-transient values.

OR

- Health Physics detecting airborne radioactivity levels in excess of 25 percent Derived Air Concentration (DAC) outside of plant buildings due to failure of equipment associated with the declared emergency.

D. Release in progress Y / N

* E. E-Plan Alarm sounded and Emergency Response Facilities (ERFs) activated Y / N

F. Site evacuated Y / N

G. Site accountability Not Requested / In Progress / Complete

2. Mobilize emergency team personnel (i.e., Fire Team, First Aid Team) as required using Gai-tronics and boost function. /

3. The NPS shall declare the emergency to the facility staff and, as necessary, formally announce that he / she is the Emergency Coordinator. /

4. ¶₂ If a release of radioactive material is in progress, Then review personnel access with Health Physics personnel and notify Security personnel with any special instructions. /

5. ¶₁₃ Sound the Emergency Plan (E-Plan) Activation Alarm. (N/A if already preformed) /

/R10

/R10

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 21 of 36
PROCEDURE NO : EPIP-02		

5.4 Site Area Emergency Declaration Checklist (continued) TIME / INITIAL

- 6.** Notify plant personnel using Gai-tronics and boost function as follows: (N/A if facilities already activated)

“Attention all plant personnel, Unit 1 / 2 has declared a SITE AREA EMERGENCY. All emergency response personnel report at once to your assigned emergency response facility.”

Repeat the announcement.

_ / _

- * **7.** Notify the Shift Technical Advisor and the Duty Call Supervisor to report to the Control Room using Gai-tronics and boost function. (N/A if already performed)

“Shift Technical Advisor report to the Unit 1 / 2 Control Room.”

_ / _

“Duty Call Supervisor report to the Unit 1 / 2 Control Room.”

_ / _

REVISION NO.: 10	PROCEDURE TITLE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 22 of 36
PROCEDURE NO. EPIP-02		

5.4 Site Area Emergency Declaration Checklist (continued)

TIME / INITIAL

NOTE
Site Evacuation Guidance

No release of radioactive material – send personnel home.

Current or prior release of radioactive material send personnel to the off-site assembly area.

- North to Jaycee Park if wind is from 271° through 145° (clock-wise direction)
- South to Jensen Public Beach Parking Area if wind is from 146° through 270° (clock-wise direction)

8. Sound the Site Evacuation Alarm. (N/A if already performed) ___/___

9. Notify plant personnel using Gai-tronics and boost function as follows: (N/A if already performed)

“Attention all non-emergency response plant personnel, you are directed to commence evacuation of the Owner Controlled Area, report to your vehicles and (Choose one):

Proceed to your homes.

OR

Proceed North / South away from the plant to Jaycee Park / Jensen Public Beach Parking Area for contamination check, accountability and further instructions.”

Repeat the announcement. ___/___

* 10. Initiate the call-out process in accordance with EPIP-03, Emergency Response Organization Notification / Staff Augmentation. (this may be accomplished by the DCS) (N/A if already performed) ___/___

11. ¶6 If a release of radioactive material has occurred or is in progress, Then notify Chemistry to promptly implement EPIP-09, Off-site Dose Calculations, and report the results to the Emergency Coordinator (EC). ___/___

REVISION NO: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 23 of 36
PROCEDURE NO.: EPIP-02		

5.4 Site Area Emergency Declaration Checklist (continued) TIME / INITIAL

12. If a Chemist is unavailable, Then call-out a Chemist (this may be accomplished by the DCS). _ / _

13. ¶15 Complete required notifications in accordance with Appendix A, Notifications from the Affected Control Room, in EPIP-08, Off-site Notifications and Protective Action Recommendations. The DCS may be utilized as a phonetalker.

State Warning Point _ / _

NRC _ / _

14. Ensure notification of the following: (this may be accomplished by the DCS)

Plant Management _ / _

Security _ / _

Nuclear Division Duty Officer (NDDO) _ / _

* 15. Initiate the Operations Department Accountability Aid for both Unit 1 and Unit 2 and provide this list to the TSC when requested. (this may be accomplished by the DCS) (N/A if already performed) _ / _

* 16. ¶9 Ensure Operations field personnel return to their assigned Control Room and obtain emergency Electronic Personal Dosimetry (EPD) from the HP Emergency Kit. (N/A if already performed) _ / _

17. ¶8 Direct all Non-licensed Operators (NLOs), from **both** Units to report to the OSC (when operational) following evacuation of the Owner Controlled Area and completion of immediate Operator actions. _ / _

18. Verify with Security that the evacuation of the Owner Controlled Area has been completed and all personnel have been accounted for. _ / _

/R10

/R10

/R10

REVISION NO 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 24 of 36
PROCEDURE NO EPIP-02		

5.4 Site Area Emergency Declaration Checklist (continued) TIME / INITIAL

- 19.** Notify off-site agencies when evacuation is complete: (N/A if already performed)
- State Warning Point _ / _
- NRC _ / _
- 20.** Utilize Attachment 3, Turnover Guidelines when relinquishing duties to the oncoming EC. _ / _

NOTE

¶₂ New notification forms shall be completed for all updates.

- 21.** ¶₁₅ If State / Local notification has not been completed in the last 60 minutes, Then provide a routine update utilizing a new notification form. The DCS may be utilized as a phonetalker. (Repeat as necessary) _ / _
- _ / _
- _ / _
- _ / _
- _ / _
- 22.** Turnover off-site interface responsibilities (notifications and Protective Action Recommendations (PARs)) to the Recovery Manager (RM) when the EOF goes operational. _ / _
- 23.** At the direction of the RM, coordinate termination of the emergency and initiation of recovery planning. _ / _
- 24.** SITE AREA EMERGENCY Declaration Checklist complete (emergency upgraded or event terminated). _ / _

END OF SECTION 5.4

/R10

REVISION NO.: 10	PROCEDURE TITLE. DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 25 of 36
PROCEDURE NO : EPIP-02		

5.5 General Emergency Declaration Checklist

TIME / INITIAL

Date: ___ / ___ / ___

<u>CAUTION</u>
<ul style="list-style-type: none"> • Protective Action Recommendations (PARs) are required for a General Emergency. • Notification to the State Warning Point (SWP) shall occur within 15 minutes of declaration of the emergency classification.

<u>NOTE</u>
<ul style="list-style-type: none"> • Steps should be performed in the order presented. When conditions warrant, steps may be performed out of sequence. • Steps with an asterisk are NOT applicable in the TSC. • The DSC is available in the Control Room only. • All Gai-tronics alarms and announcements require Control Room assistance. • PA announcements are provided as a guideline. Actual announcements may vary from the text provided. • For assistance with exposure control, refer to: <ul style="list-style-type: none"> • Attachment 4, Field Operator Re-entry Guidelines • Attachment 5, Exposure Limits for Emergency Response Personnel • Not Applicable (N/A) may be used for tasks / steps previously accomplished / satisfied.

1. Determine the following:

- * **A.** Shift Technical Advisor (STA) present Y / N
- * **B.** Duty Call Supervisor (DCS) present Y / N
- C.** Wind direction (from) _____ °

/R10 /R10 /R10

/R10 R10

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 26 of 36
PROCEDURE NO : EPIP-02		

5.5 General Emergency Declaration Checklist (continued)

TIME / INITIAL

1. (continued)

NOTE

During any declared emergency a release is occurring if one of the following is true:

- Any effluent monitor increase of (approximately) 10 times or one decade above pre-transient values.

OR

- Health Physics detecting airborne radioactivity levels in excess of 25 percent Derived Air Concentration (DAC) outside of plant buildings due to failure of equipment associated with the declared emergency.

D. Release in progress Y / N

* E. E-Plan Alarm sounded and Emergency Response Facilities (ERFs) activated Y / N

F. Site Evacuation Alarm sounded and site evacuated Y / N

G. Site accountability Not Requested / In Progress / Complete

2. Mobilize emergency team personnel (i.e., Fire Team, First Aid Team) as required using Gai-tronics and boost function. /

3. The NPS shall declare the emergency to the facility staff and, as necessary, formally announce that he / she is the Emergency Coordinator. /

4. ¶₂ If a radioactive release is in progress, Then review personnel access with Health Physics personnel and notify Security personnel with any special instructions. /

5. ¶₁₃ Sound the Emergency Plan (E-Plan) Activation Alarm. (N/A if already preformed) /

/R10

/R10

REVISION NO: 10	PROCEDURE TITLE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 27 of 36
PROCEDURE NO: EPIP-02		

5.5 General Emergency Declaration Checklist (continued) TIME / INITIAL

6. Notify plant personnel using Gai-tronics and boost function as follows: (N/A if facilities already activated)

“Attention all plant personnel, Unit 1 / 2 has declared a GENERAL EMERGENCY. All emergency response personnel report at once to your assigned emergency response facility.”

Repeat the announcement. ___/___

- * 7. Notify the Shift Technical Advisor and the Duty Call Supervisor to report to the Control Room using Gai-tronics and boost function. (N/A if already performed)

“Shift Technical Advisor report to the Unit 1 / 2 Control Room.” ___/___

“Duty Call Supervisor report to the Unit 1 / 2 Control Room.” ___/___

NOTE
Site Evacuation Guidance

No release of radioactive material – send personnel home.

Current or prior release of radioactive material send personnel to the off-site assembly area.

- North to Jaycee Park if wind is from 271° through 145° (clock-wise direction)
- South to Jensen Public Beach Parking Area if wind is from 146° through 270° (clock-wise direction)

8. Sound the Site Evacuation Alarm. (N/A if already performed) ___/___

/R10

REVISION NO: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 28 of 36
PROCEDURE NO: EPIP-02		

5.5 General Emergency Declaration Checklist (continued) TIME / INITIAL

9. Notify plant personnel using Gai-tronics and boost function as follows: (N/A if site evacuated)

“Attention all plant personnel, Unit 1 / 2 has declare a GENERAL EMERGENCY, all non-emergency response plant personnel are directed to commence evacuation of the Owner Controlled Area, report to your vehicles and (Choose one):

Proceed to your homes.

OR

Proceed North / South away form the plant to Jaycee Park / Jensen Public Beach Parking Area for contamination check, accountability and further instructions.”

Repeat the announcement. ___/___

10. If a GENERAL EMERGENCY plant announcement has not been made, Then notify plant personnel using Gai-tronics and boost function:

“Attention all plant personnel, Unit 1 / 2 has declared a GENERAL EMERGENCY.

Repeat the announcement. ___/___

- * 11. Initiate the call-out process in accordance with EPIP-03, Emergency Response Organization Notification / Staff Augmentation. (this may be accomplished by the DCS) (N/A if already performed) ___/___

12. ¶₆ If a radioactive release has occurred or is in progress, Then notify Chemistry to promptly implement EPIP-09, Off-site Dose Calculations, and report the results to the Emergency Coordinator (EC). ___/___

13. If a Chemist is unavailable, Then call-out a Chemist (this may be accomplished by the DCS). ___/___

REVISION NO: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 29 of 36
PROCEDURE NO.: EPIP-02		

5.5 General Emergency Declaration Checklist (continued)		<u>TIME / INITIAL</u>
14.	Complete required notifications in accordance with Appendix A, Notifications from the Affected Control Room, in EPIP-08, Off-site Notifications and Protective Action Recommendations. The DCS may be utilized as a phonetalker.	
	State Warning Point	___/___
	NRC	___/___
15.	Ensure notification of the following: (this may be accomplished by the DCS)	
	Plant Management	___/___
	Security	___/___
	Nuclear Division Duty Officer (NDDO)	___/___
* 16.	Initiate the Operations Department Accountability Aid for both Unit 1 and Unit 2 and provide this list to the TSC when requested. (this may be accomplished by the DCS) (N/A if already performed)	___/___
* 17.	¶ ₉ Ensure Operations field personnel return to their assigned Control Room and obtain emergency Electronic Personal Dosimetry (EPD) from the HP Emergency Kit. (N/A if already performed)	___/___
18.	¶ ₈ Direct all Non-licensed Operators (NLOs), from both Units to report to the OSC (when operational) following evacuation of the Owner Controlled Area and completion of immediate Operator actions. (N/A if already performed)	___/___
19.	Verify with Security that the evacuation of the Owner Controlled Area has been completed and all personnel have been accounted for. (N/A if already performed)	___/___
20.	Notify off-site agencies when evacuation is complete: (N/A if already performed)	
	State Warning Point	___/___
	NRC	___/___

/R10

/R10

/R10

REVISION NO : 10	PROCEDURE TITLE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 30 of 36
PROCEDURE NO · EPIP-02		

5.5 General Emergency Declaration Checklist (continued) TIME / INITIAL

21. Utilize Attachment 3, Turnover Guidelines when relinquishing duties to the oncoming EC. _ / _

NOTE

¶₂ New notification forms shall be completed for all updates.

22. ¶₁₅ If State / Local notification has not been completed in the last 60 minutes, Then provide a routine update utilizing a new notification form. The DCS may be utilized as a phonetalker. (Repeat as necessary) _ / _

23. Turnover off-site interface responsibilities (notifications and Protective Action Recommendations (PARs)) to the Recovery Manager (RM) when the EOF goes operational. _ / _

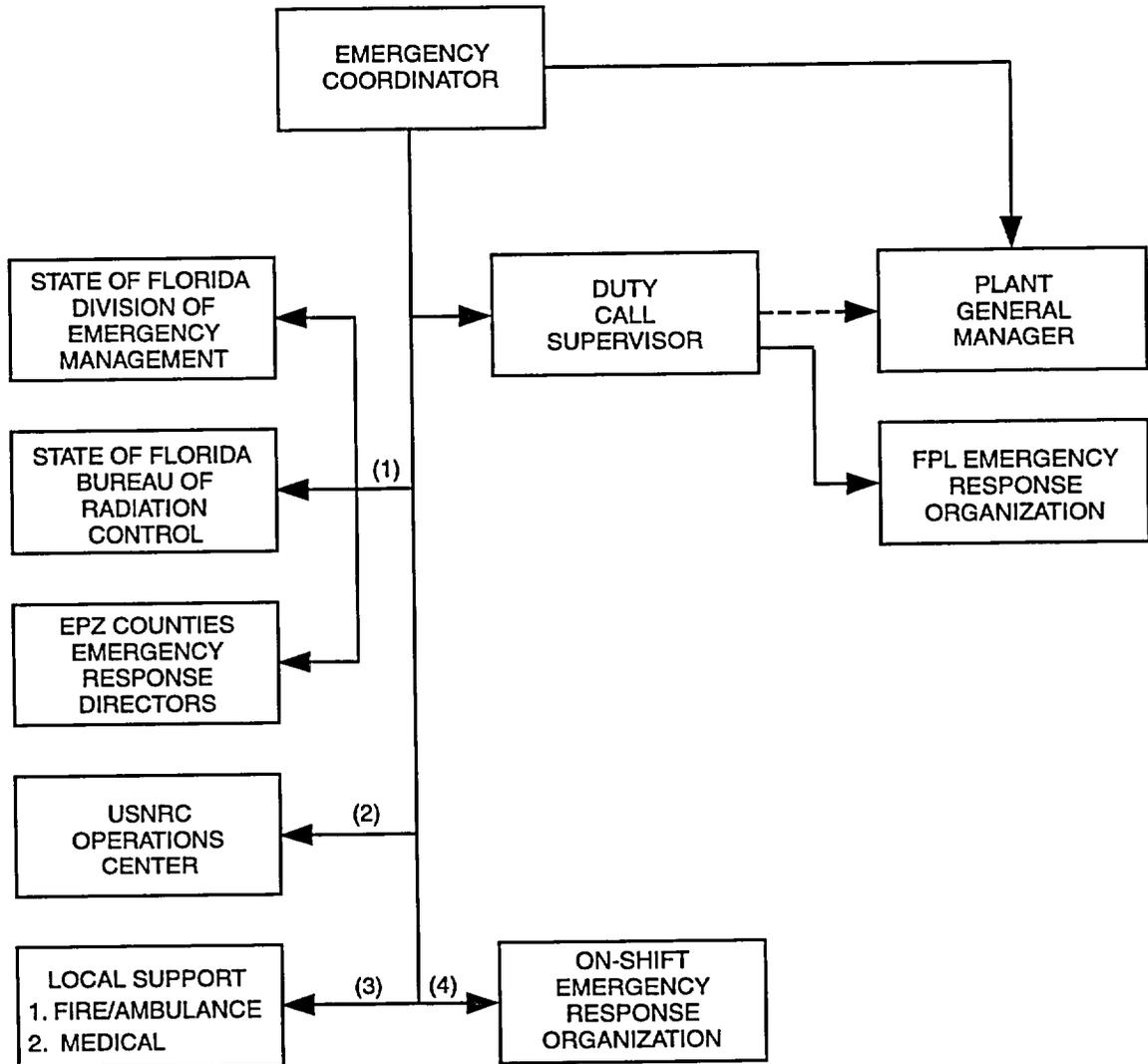
24. At the direction of the RM, coordinate termination of the emergency and initiation of recovery planning. _ / _

25. GENERAL EMERGENCY Declaration Checklist complete (event terminated). _ / _

END OF SECTION 5.5

/R10

ATTACHMENT 1
INITIAL NOTIFICATION FLOW
(Page 1 of 1)



Legend
 — Primary Notification Pathway
 - - - Alternate Notification Pathway

- (1) Via State Hot Ring Down Telephone (HRD)
- (2) Via Emergency Notification System (ENS)
- (3) Medical & Fire Emergencies Only, As Needed
- (4) Via Plant Public Address System (PA)

(D/PS/EPLAN-F1.2-R35)

END OF ATTACHMENT 1

REVISION NO 10	PROCEDURE TITLE. DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 32 of 36
PROCEDURE NO.: EPIP-02		

ATTACHMENT 2
CRITERIA FOR EVACUATION
(Page 1 of 1)

A. Criteria for Local Evacuation

The need for Local Evacuation should be determined in accordance with the following criteria:

Evacuate the affected local area in which any of the following conditions occur:

1. Area Radiation Monitor Alarm.
2. Containment Evacuation Alarm.
3. Unevaluated direct radiation dose rate increase in excess of 100 mRem/hour above normal levels.
4. Unexpected airborne radioactivity concentration in excess of 1×10^{-9} micro Ci/cc.
5. Removable radioactive surface contamination in an unposted area in excess of 1000 dpm/100 cm² beta-gamma over an area of 100 ft².
6. Removable radioactive surface contamination in an unposted area in excess of 50 dpm/100cm² alpha over an area of 100 ft².
7. The Emergency Coordinator determines that a situation exists for which Local Evacuation is appropriate.

B. Criteria for Owner Controlled Area Evacuation

The Owner Controlled Area shall be evacuated in the following circumstances:

1. Site Area Emergency
2. General Emergency
3. If the Emergency Coordinator determines that the entire Owner Controlled Area should be evacuated.

C. Refer to EPIP-07, Conduct of Evacuations / Assembly, for more information.

END OF ATTACHMENT 2

REVISION NO.: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 33 of 36
PROCEDURE NO.: EPIP-02		

ATTACHMENT 3
TURNOVER GUIDELINES
(Page 1 of 2)

Upon arrival at the affected Control Room, the prospective Emergency Coordinator should review the following items/issues with the Control Room Emergency Coordinator (not in a particular order):

NOTE
This information (1-10 below) should be reviewed with the DCS.

1. Type of accident or incident
2. Plant status
3. Equipment out-of-service
4. Operator actions underway
5. Radiological conditions
6. Meteorological conditions
7. Procedure status
8. Emergency Plan activities underway, including any on-site or off-site protective actions
9. Conditions and/or trends of concern
10. Personnel injuries or radiation exposures

For an Alert or higher emergency, complete the following:

1. Prior to leaving Control Room verify the status of the following:
 - A. Emergency classification
 - B. Off-site notifications

REVISION NO : 10	PROCEDURE TITLE. DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE 34 of 36
PROCEDURE NO · EPIP-02		

ATTACHMENT 3
TURNOVER GUIDELINES
(Page 2 of 2)

2. Bring the following items to the Technical Support Center:
- A. Copy of RCO log (entries from start of the event)
 - B. Completed notification forms (State and NRC)
 - C. Operations Accountability Aid (only if completed)

END OF ATTACHMENT 3

REVISION NO : 10	PROCEDURE TITLE. DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE. 35 of 36
PROCEDURE NO EPIP-02		

ATTACHMENT 4
FIELD OPERATOR RE-ENTRY GUIDELINES
(Page 1 of 1)

CAUTION

As specified in ADM-17.09, Invoking 10 CFR 50.54(x), the Emergency Coordinator (EC) may (with the concurrence of a licensed senior operator) waive re-entry requirements to place the plant in a safe shutdown condition or mitigate a release, if this immediate action is needed to protect the health and safety of the public.

1. **Prior to evacuation and with the Operational Support Center (OSC) NOT operational.**

Re-entry guidelines do not apply.
2. **Prior to evacuation and with the OSC operational.**

¶8 Operators in the field should return to the Control Rooms and obtain an Electronic Personal Dosimeter (EPD) from the Health Physics Emergency Kit prior to returning to field.
3. **¶8 Evacuation ordered and with the OSC NOT operational.**

Operator actions in the field must be viewed as re-entry activities. Operators shall return to the Control Rooms following the evacuation order. Operators shall obtain an Electronic Personal Dosimeter (EPD) from the Health Physics Emergency Kit, if not done previously. Re-entry into the plant requires:
 - A. The EC (initially the NPS) authorize the entry.
 - B. Maintenance of appropriate radiological and safety measures.
 - C. Tracking the whereabouts of the team.
4. **Evacuation ordered and with the OSC operational**
 - A. NLOs, from both Units, are to report to the OSC once it is declared operational.
 - B. All field activities are re-entries and shall be coordinated and controlled by the OSC.

END OF ATTACHMENT 4

REVISION NO: 10	PROCEDURE TITLE: DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR ST. LUCIE PLANT	PAGE: 36 of 36
PROCEDURE NO: EPIP-02		

ATTACHMENT 5

§1

EXPOSURE LIMITS FOR EMERGENCY RESPONSE PERSONNEL

(Page 1 of 1)

NOTE

1. Both Total Dose (TEDE) and Thyroid Dose (CDE) should be used for purposes of controlling exposure.
2. Protective clothing, including respirators, should be used where appropriate.

For the following missions, the exposure limit is ⁽¹⁾ :	Total Dose ⁽²⁾ (TEDE)	THYROID ⁽³⁾ (CDE)
Performance of actions that would not directly mitigate the event, minimize escalation, or minimize effluent releases.	5 REM	50 REM
Performance of actions that mitigate the escalation to the event, rescue persons from a <u>non-life</u> threatening situation, minimize exposures or minimize effluent releases.	10 REM	100 REM
Performance of actions that decrease the severity of the event or terminate the processes causing the event in an attempt to control effluent releases to avoid extensive exposure of large populations. Also, rescue of persons from a <u>life-threatening</u> situation.	25 REM	250 REM
Rescue of person from a <u>life-threatening</u> situation. (Volunteers ⁽⁴⁾ should be above the age of 45.)	(5)	(5)

- (1) Exposure limits to the lens of the eye are 3 times the Total Dose (TEDE) values listed.
- (2) Total Dose (TEDE) is the total whole body exposure from both external and internal (weighted) sources - Total Effective Dose Equivalent.
- (3) Thyroid Dose (CDE) commitment from internal sources - Committed Dose Equivalent. The same dose limits also apply to other organs (CDE), skin (Shallow Dose Equivalent) and extremities (Extremity Dose Equivalent).
- (4) Volunteers with full awareness of risks involved including numerical levels of dose at which acute effects of radiation will be incurred and numerical estimates of the risk of delayed effects.
- (5) No upper limit for Total Dose (TEDE) and/or Thyroid Dose (CDE) exposure has been established because it is not possible to prejudge the risks that one person should be allowed to take to save the life of another. Also, no specific limit is given for thyroid exposure since in the extreme case, complete thyroid loss might be an acceptable sacrifice for a life saved. This should not be necessary if respirators and/or thyroid protection for rescue personnel are available as the result of adequate planning.

END OF ATTACHMENT 5



FPL

ST. LUCIE PLANT
EMERGENCY PLAN
IMPLEMENTING PROCEDURE
SAFETY RELATED

Procedure No.
EPIP-03
Current Revision No.
9
Effective Date
08/01/02

Title:

EMERGENCY RESPONSE ORGANIZATION
NOTIFICATION / STAFF AUGMENTATION

Responsible Department: EMERGENCY PREPAREDNESS

CONTROL, COPY, PROCEDURE PRODUCTION

REVISION SUMMARY:

Revision 9 - Clarified duties of DCS as phone talker and changed title revisions. (J. R. Walker, 07/26/02)

Revision 8A - Changed President, Nuclear Division to Chief Nuclear Officer. (M. DiMarco, 10/22/01)

Revision 8 - Supported elimination of OSC paramedic position and made editorial and administrative changes. (G. Varnes, 08/08/00)

Revision 7 - Increased emphasis on callout process, changed callout sequence, added notes for emphasis, made administrative changes, and added autodialer checklist. (Donna Calabrese, 04/27/00)

Revision 6 - Removed reference to the rotating maintenance shift supervisor from the definition / description of the duty call supervisor and revised security title from supervisor to specialist. (J. R. Walker, 07/01/99)

Revision 5 - Transferred EP responsibilities from the Training Manager to the Protection Services Manager. Made editorial changes and added new position -regulatory affairs. (J. R. Walker, 06/17/99)

Revision 4 - Added 2 new positions to call tree to address Security org. and added editorial / administrative changes. (J. R. Walker, 2/23/99)

Table with 5 columns: Revision, FRG Review Date, Approved By, Approval Date, and S__OPS. It contains two rows of revision data and a final row for designated approvers.

REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 2 of 25
PROCEDURE NO.: EPIP-03		

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 PURPOSE.....	3
2.0 REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS...	3
3.0 RESPONSIBILITIES.....	5
4.0 DEFINITIONS.....	6
5.0 INSTRUCTIONS	7
5.1 Emergency Coordinator (EC).....	7
5.2 Duty Call Supervisor (DCS)	8
5.3 ERO Members with Call Tree Duties	10
5.4 ERO Members with no call-out duties.....	12
<u>ATTACHMENTS</u>	
ATTACHMENT 1 EMERGENCY STAFFING CALL TREE.....	13
ATTACHMENT 2 FPL EMERGENCY RECALL SYSTEM (ERS) ACTIVATION CHECKLIST	24

REVISION NO : 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 3 of 25
PROCEDURE NO : EPIP-03		

1.0 PURPOSE

NOTE

§₂ The Staff Augmentation process is an essential part of the Emergency Plan in that it puts in place the resources necessary to mitigate an accident and protect the health and safety of the public.

This procedure provides instructions to:

- 1.1 Activate the St. Lucie Plant Emergency Response Organization (ERO) for staff augmentation in response to an emergency declaration.

2.0 REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS

NOTE

One or more of the following symbols may be used in this procedure:

§ Indicates a Regulatory commitment made by Technical Specifications, Condition of License, Audit, LER, Bulletin, Operating Experience, License Renewal, etc. and shall NOT be revised without Facility Review Group review and Plant General Manager approval.

¶ Indicates a management directive, vendor recommendation, plant practice or other non-regulatory commitment that should NOT be revised without consultation with the plant staff.

Ψ Indicates a step that requires a sign off on an attachment.

2.1 References

1. §₁ St. Lucie Plant Radiological Emergency Plan (E-Plan)
2. E-Plan Implementing Procedures (EPIP 00 - 13)
3. HP-200, Health Physics Emergency Organization
4. AP 0010120, Conduct of Operations
5. ADM-15.04, Fitness For Duty - Call-Out and For Cause Testing
6. St. Lucie Plant Emergency Response Directory (ERD)
7. QI-17-PSL-1, Quality Assurance Records

REVISION NO. 9	PROCEDURE TITLE EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE. 4 of 25
PROCEDURE NO.: EPIP-03		

2.2 Records Required

1. None

2.3 Commitment Documents

1. ¶₁ Condition Report CR 00-0544 - QA Audit QSL-EP-00-02:
Discrepancies with Primary and Backup ERO Callout Processes
2. ¶₂ Condition Report CR 02-0333 (Role of Duty Call Supervisor)

/R9 /R9

REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 5 of 25
PROCEDURE NO.: EPIP-03		

3.0 . RESPONSIBILITIES

3.1 The Emergency Coordinator (EC) has the overall responsibility for the notification and call-out of the ERO as provided for in EPIP-02, Duties and Responsibilities of the Emergency Coordinator.

3.2 The Duty Call Supervisor (DCS)

1. The Duty Call Supervisor reports to the affected Unit Control Room upon declaration of the emergency, If the unaffected Unit ANPS assumes the role of DCS, Then he / she shall fulfill the responsibilities without leaving the unaffected Control Room.
2. Complete the following as directed by the NPS / EC:
 - A. ¶₂ Transmittal of off-site notifications (EPIP-08).
 - B. Staff augmentation (per this procedure).
 - C. Operations Department Accountability Aid.
3. Conduct a turnover with the TSC OPS Coordinator (NPS Communicator in the Control Room) regarding the status of communications and other tasks underway.

3.3 Members of the Emergency Response Organization (ERO):

1. §₁ Advise the Protection Services Manager when his / her duties are changed such that he / she can no longer participate in the ERO.
2. Maintain a copy of the ERD readily available 24 hours a day (individuals with call-out duties only).
3. Make notifications, as required by their position, when notified by the DCS, in accordance with the instructions contained in the ERD.
4. When notified, report to the assigned Emergency Response Facility (ERF).

3.4 Protection Services Manager

1. §₁ Ensure verification of the following for ERO personnel quarterly:
 - A. Personnel phone / beeper numbers
 - B. Training qualifications in accordance with EPIP-12, Maintaining Emergency Preparedness, Radiological Emergency Plan Training.

REVISION NO: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 6 of 25
PROCEDURE NO: EPIP-03		

3.5 ¶₁ The Emergency Preparedness Supervisor is responsible to ensure that both primary and backup staff augmentation methodologies are adequately maintained. The requirements for maintaining the augmentation methodologies are detailed in EPIP-13, Maintaining Emergency Preparedness - Emergency Exercises, Drills, Tests and Evaluations.

4.0 DEFINITIONS

4.1 Autodialer

See FPL Emergency Recall System below.

4.2 §₁ Duty Call Supervisor (DCS)

The Duty Call Supervisor is a designated and trained supervisor assigned from the nuclear plant staff to provide 24-hour response to any emergency upon notification by the Nuclear Plant Supervisor. The Duty Call Supervisor (DCS) is responsible for notifying the Emergency Response Organization and, as requested, plant management in the event of an emergency.

4.3 Emergency Response Organization (ERO)

A trained group of personnel that are designated to perform specific duties during emergencies.

4.4 St. Lucie Plant Emergency Response Directory (ERD)

A printed directory which provides guidance for performing a call-out of the Emergency Response Organization. The ERD contains the names, positions, home phone numbers, and pager numbers for the members of the ERO.

4.5 FPL Emergency Recall System (ERS)

A computer-based automated call-out system used to activate the ERO. This system is also referred to as the "autodialer".

/R9

/R9

REVISION NO : 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 7 of 25
PROCEDURE NO.: EPIP-03		

5.0 INSTRUCTIONS

5.1 Emergency Coordinator (EC)

1. Instructions for the EC are located in EPIP-02, Duties and Responsibilities of the Emergency Coordinator.

END OF SECTION 5.1

REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 8 of 25
PROCEDURE NO : EPIP-03		

5.2 Duty Call Supervisor (DCS)

1. As directed by the EC, initiate call-out of ERO members using Attachment 2, FPL Emergency Recall System (ERS) Activation Checklist.

NOTE

Instructions for activation of the autodialer are located in the Duty Call Supervisor Notebook which is maintained in accordance with Appendix E to AP-0010120, Conduct of Operations.

2. If during normal working hours, Then activate autodialer only.
 - A. Do NOT call-out ERO members using the ERD.
3. If during off normal working hours, Then begin call-out of ERO members, as detailed in the ERD, after initiating the autodialer.
 - A. Notify Security Shift Specialist AND HP Shift Supervisor / On-shift Tech by plant radio or other prompt means.
 - B. Notify each of the following positions by cell / page / radio:
 1. Emergency Coordinator
 2. Recovery Manager
 3. Nuclear Division Duty Officer
 - C. If autodialer has NOT activated, Then continue to notify the following:
 1. TSC Chemistry Supervisor
 2. TSC EP Coordinator
 3. EP Manager
 4. EOF Emergency Technical Manager
 5. TSC Coordinator with OSC.

NOTE

Read and review Steps 5.2.3.D.1 - 5.2.3.D.5 below and mark appropriately for an actual emergency call-out drill or phone test prior to making the first call.

- D. When the responder answers, CLEARLY STATE THE FOLLOWING:
 1. This is (your name), functioning as Duty Call Supervisor.

REVISION NO.: 9	PROCEDURE TITLE EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 9 of 25
PROCEDURE NO.: EPIP-03		

5.2 Duty Call Supervisor (DCS) (continued)

3. D. (continued)

2. This is an / a (actual emergency / call-out drill / phone test) message.
3. St. Lucie Plant has declared an / a (ALERT / SITE AREA EMERGENCY / GENERAL EMERGENCY) OR is conducting a (call-out drill / phone test).
4. I am calling you for the position of (state position from Step 5.2.3 above).
 - a. Are you fit for duty and able to respond?

(If YES: record name on call-out list and continue with questions).

(If NO: Terminate the call and go to next person for the position.)
 - b. What is your estimated drive time to your emergency response facility?

(Record estimated arrival time under ETA on call-out list).
5. Promptly complete your call tree section if applicable and report to your emergency response facility.

OR

This is a phone test only, DO NOT report to your emergency response facility after completing your calls.

- E. If autodialer activation is indicated, Then NOTIFY Security Shift Specialist and HP Shift Supervisor / On-shift Tech to suspend call-out.

END OF SECTION 5.2

REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 10 of 25
PROCEDURE NO : EPIP-03		

5.3 ERO Members with Call Tree Duties

1. Maintain a current copy of the ERD for use at all times.
2. Perform manual call-outs as instructed by the DCS and ERD.
 - A. Begin at the top of your call list and proceed down the list until either:
An individual is contacted to fill each position

OR

All positions have been attempted once.

NOTE

Read and review Steps 5.3.2.B.1 - 5.3.2.B.5 below and mark appropriately for an actual emergency, a call-out drill or phone test prior to making the first call.

B. When the responder answers, CLEARLY STATE THE FOLLOWING:

1. This is (your name), functioning as (ERO position title).
2. This is an / a (actual emergency / call-out drill / phone test) message.
3. St. Lucie Plant has declared an / a (ALERT / SITE AREA EMERGENCY / GENERAL EMERGENCY) **OR** is conducting a (call-out drill / phone test).
4. I am calling you for the position of (state position from ERD Call-out Phone List).

a. Are you fit for duty and able to respond?

(If YES: check name on call-out list and continue with questions).

(If NO: Terminate the call and go to next person for the position.)

b. What is your estimated drive time to your emergency response facility?

(Record estimated arrival time under ETA on call-out list).

REVISION NO : 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE 11 of 25
PROCEDURE NO : EPIP-03		

5.3 ERO Members with Call Tree Duties (continued)

2. B. (continued)

5. Promptly report to your emergency facility.

OR

This is a phone test only, **DO NOT** report to your emergency response facility.

C. Report to assigned emergency response facility upon completion of call-outs and furnish call-out data to facility manager.

If consumed alcohol in the past 5 hours, Then report to Security prior to entering the site or EOF.

END OF SECTION 5.3

REVISION NO : 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 12 of 25
PROCEDURE NO.: EPIP-03		

5.4 ERO Members with no call-out duties

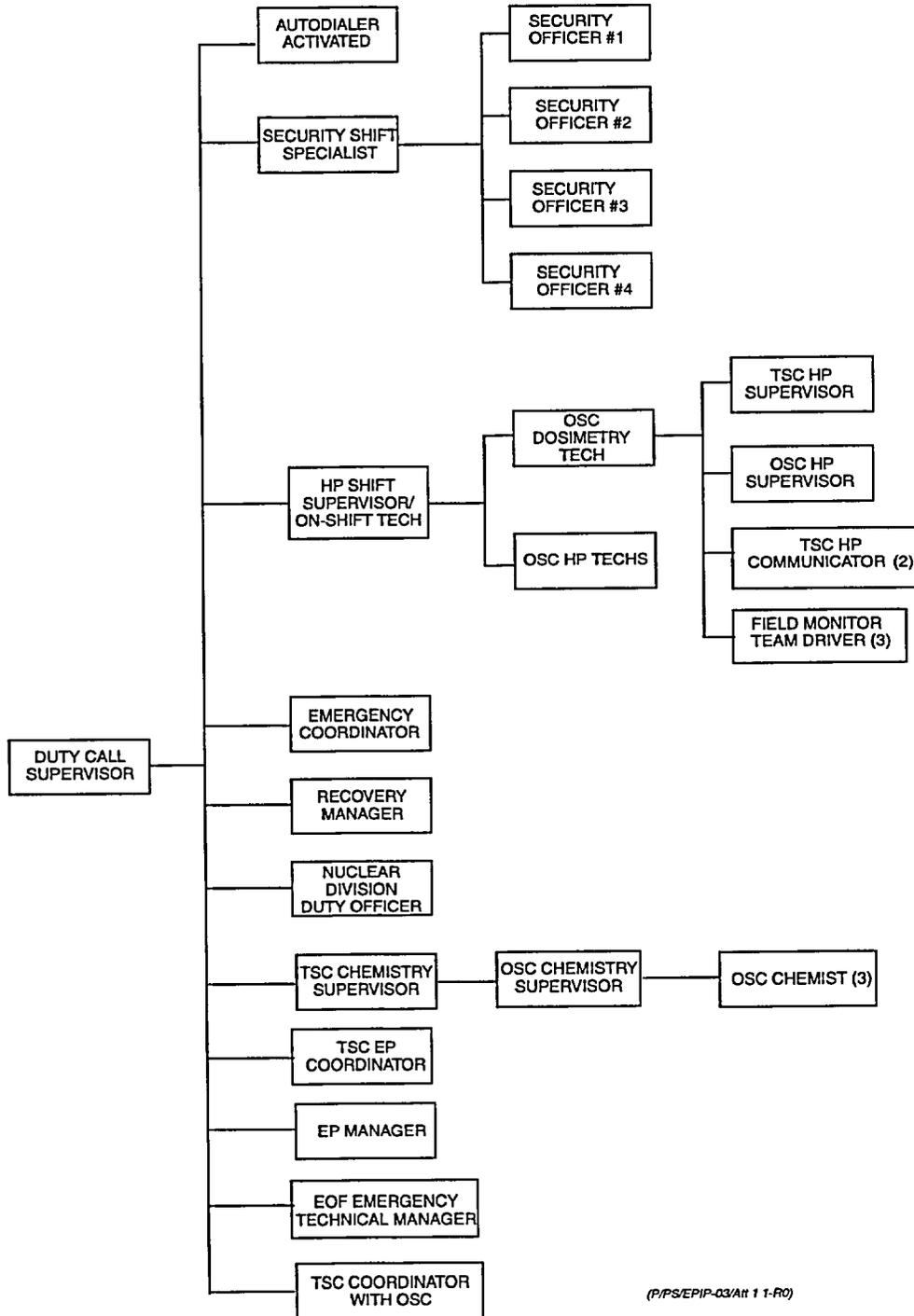
Report at once to your assigned emergency response facility.

If consumed alcohol in the past 5 hours, Then report to Security prior to entering the site or EOF.

END OF SECTION 5.4

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 1 of 11)

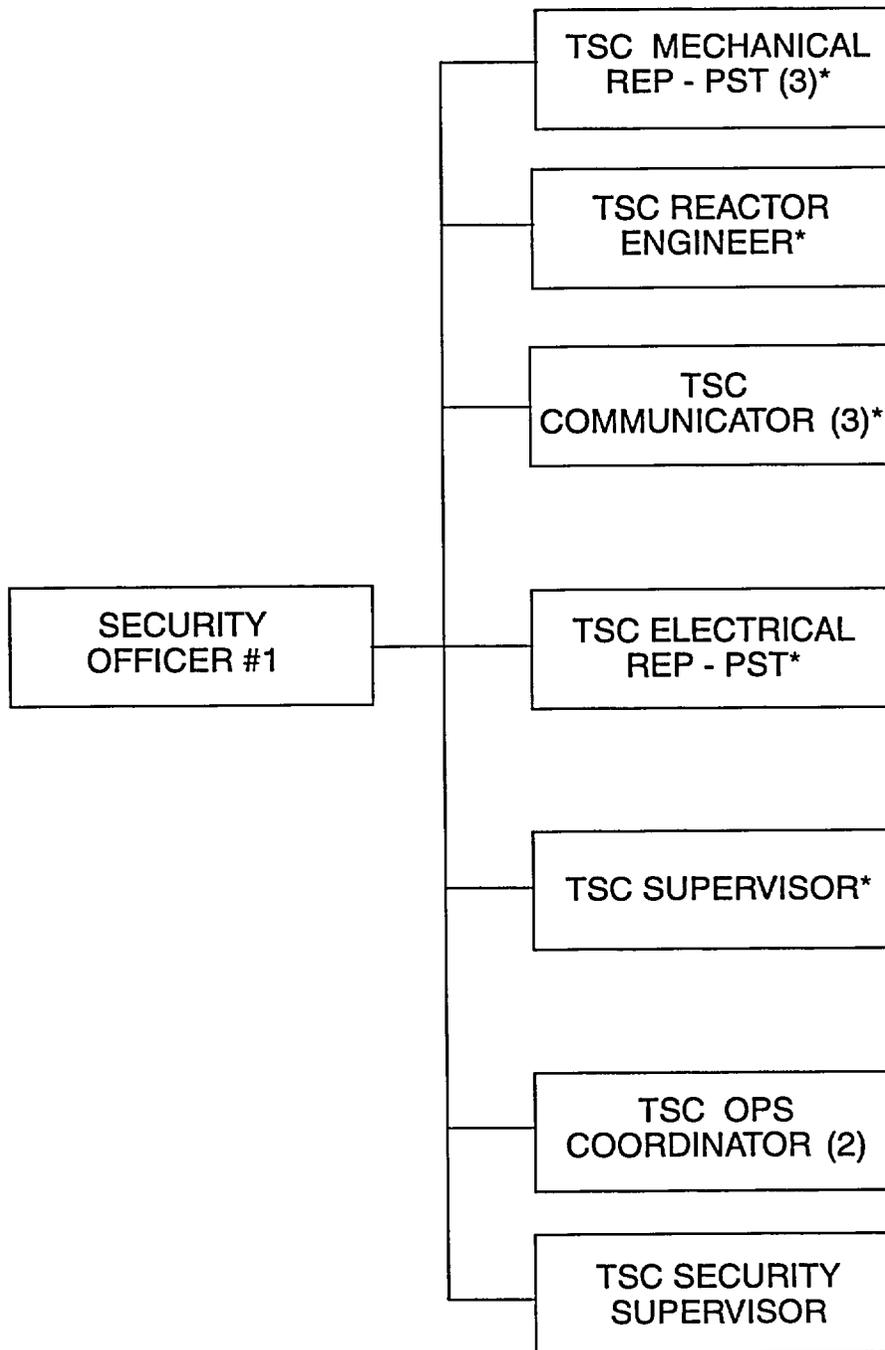
DUTY CALL SUPERVISOR



REVISION NO: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 14 of 25
PROCEDURE NO.: EPIP-03		

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 2 of 11)

SECURITY OFFICER #1

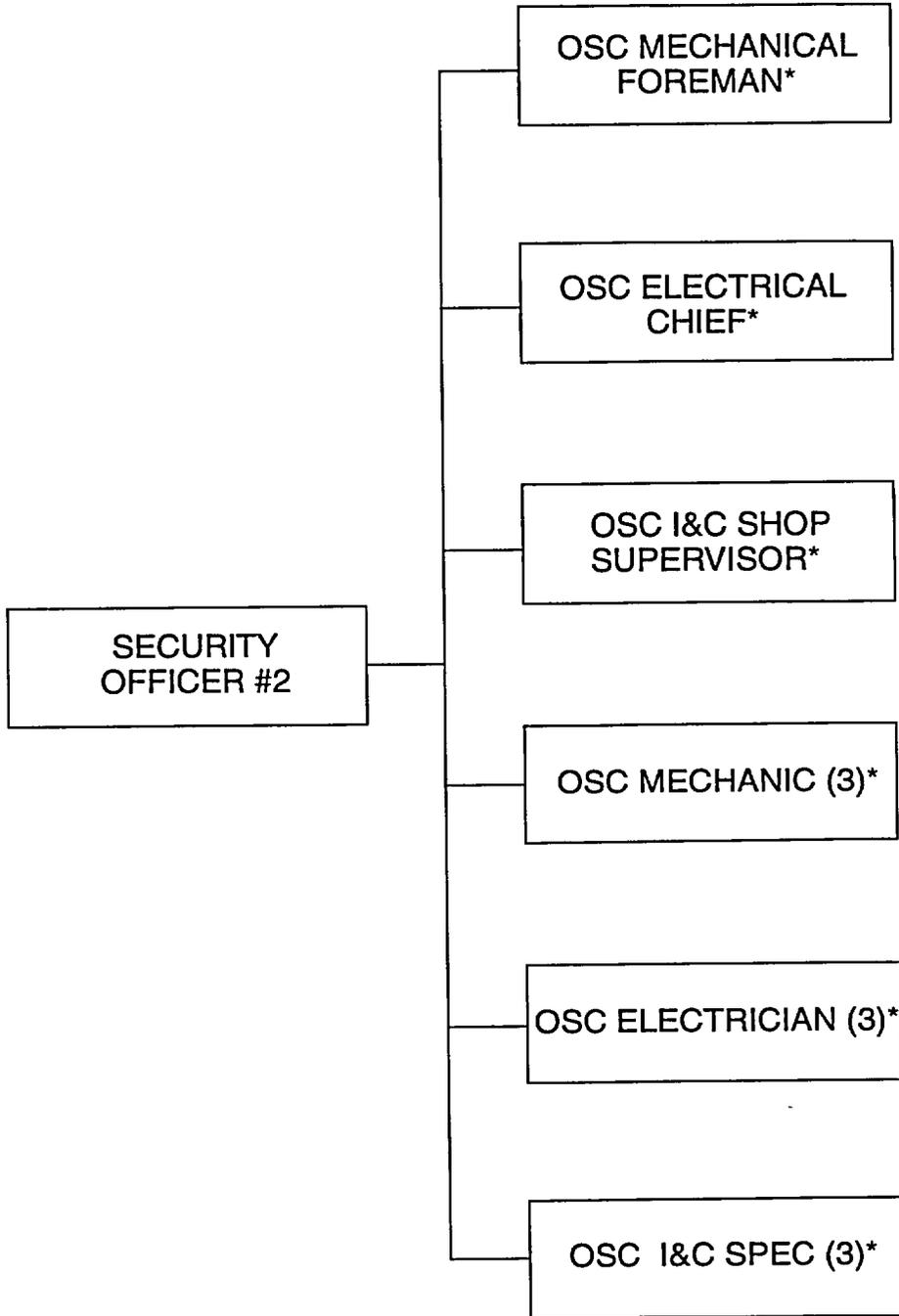


* MINIMUM STAFFING POSITION OR FIRST LINE ALTERNATE TO MINIMUM STAFFING POSITION

(P/PS/EPIP-03/A11 1.2-R0)

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 3 of 11)

SECURITY OFFICER #2

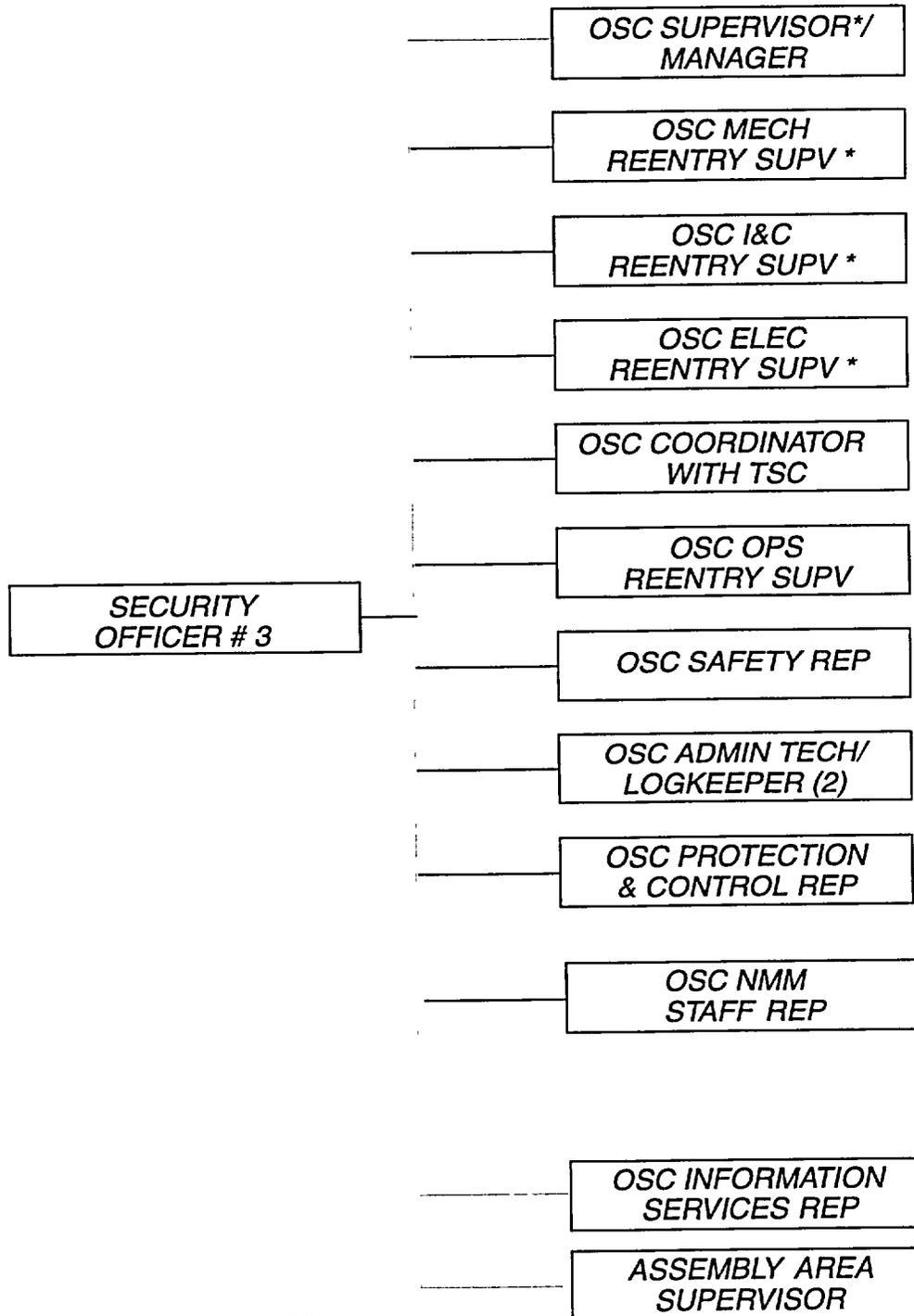


* MINIMUM STAFFING POSITION OR FIRST LINE ALTERNATE TO MINIMUM STAFFING POSITION

REVISION NO : 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 16 of 25
PROCEDURE NO : EPIP-03		

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 4 of 11)

SECURITY OFFICER #3

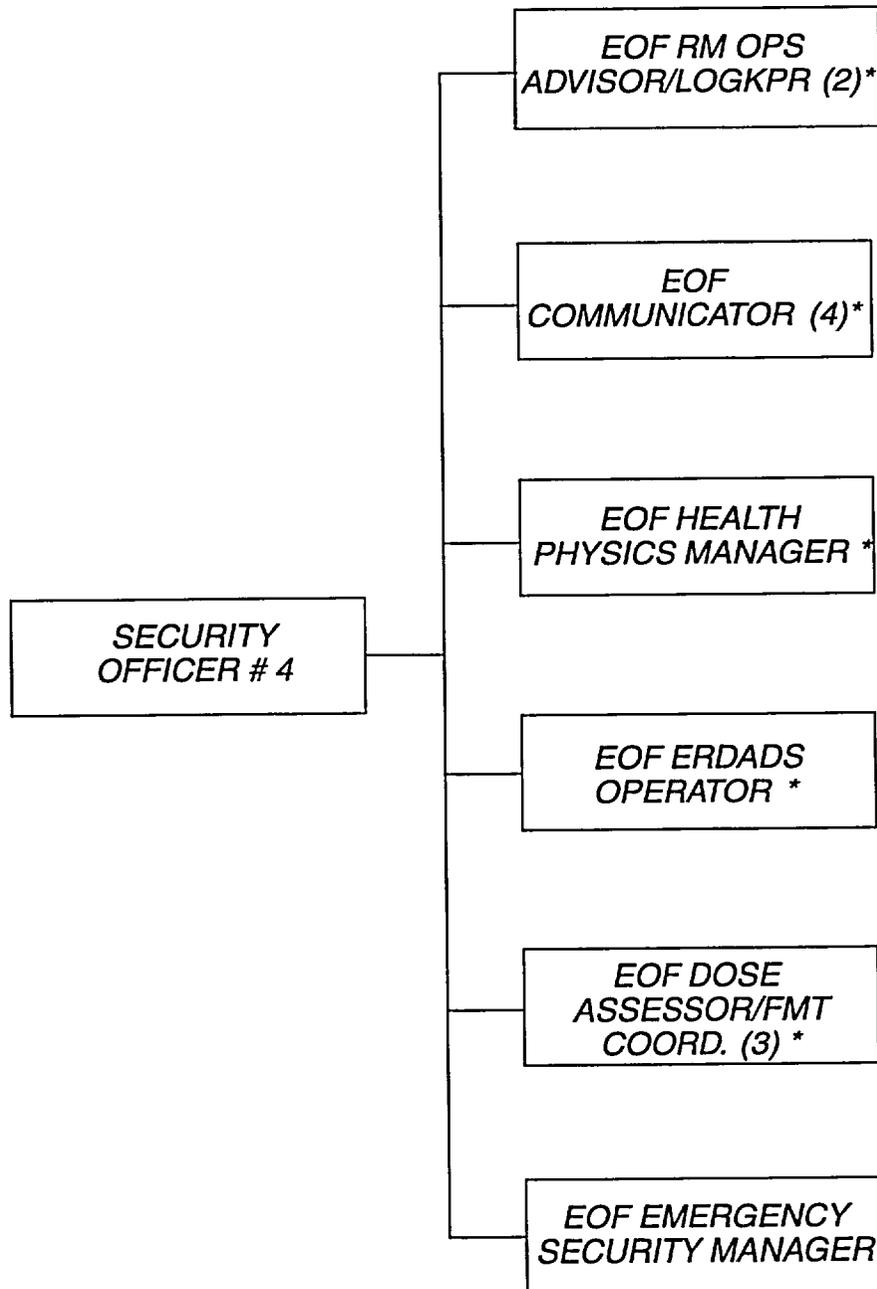


* MINIMUM STAFFING POSITION OR
FIRST LINE ALTERNATE
TO MINIMUM STAFFING POSITION

REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 17 of 25
PROCEDURE NO.: EPIP-03		

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 5 of 11)

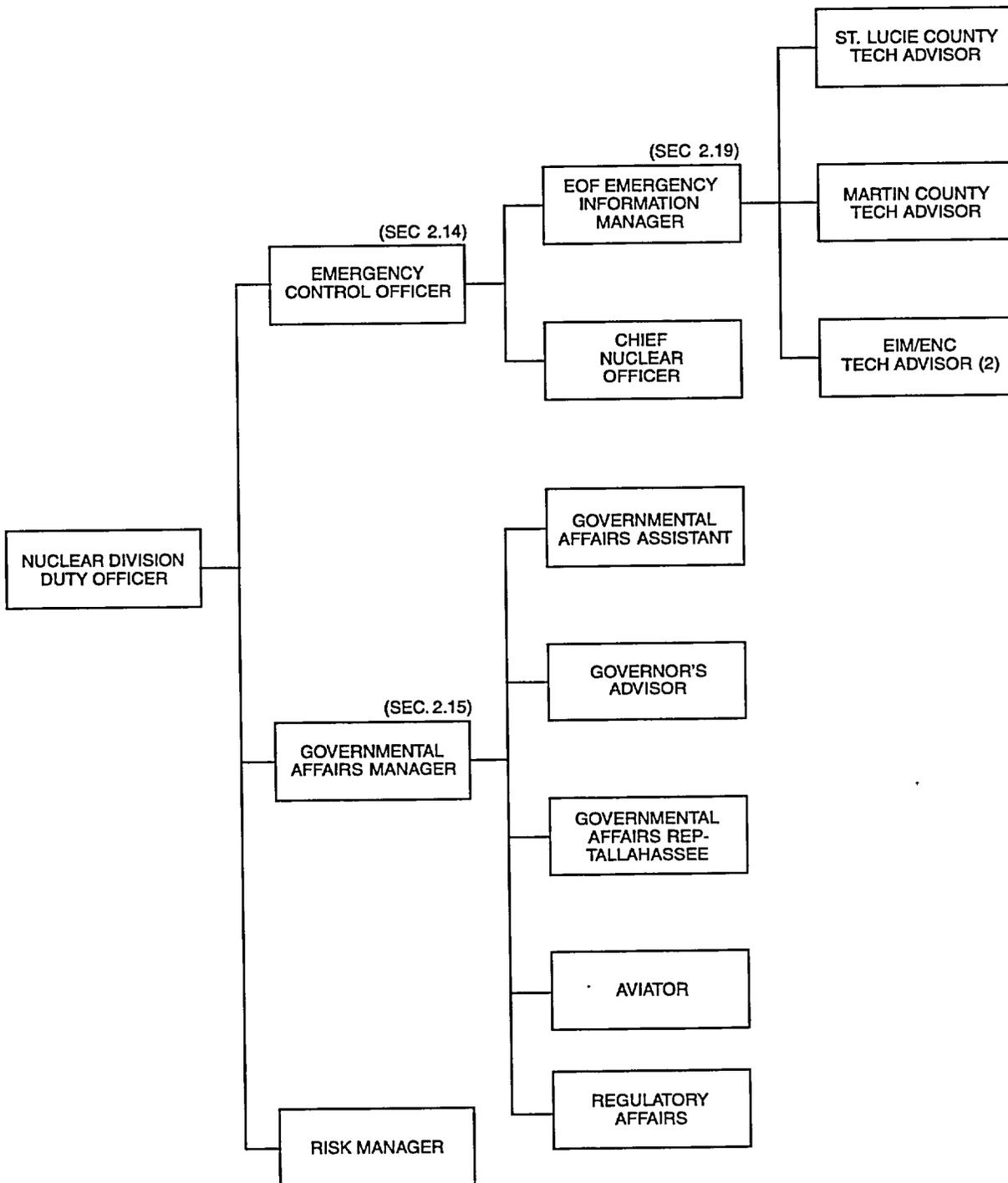
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* MINIMUM STAFFING POSITION OR FIRST LINE ALTERNATE TO MINIMUM STAFFING POSITION

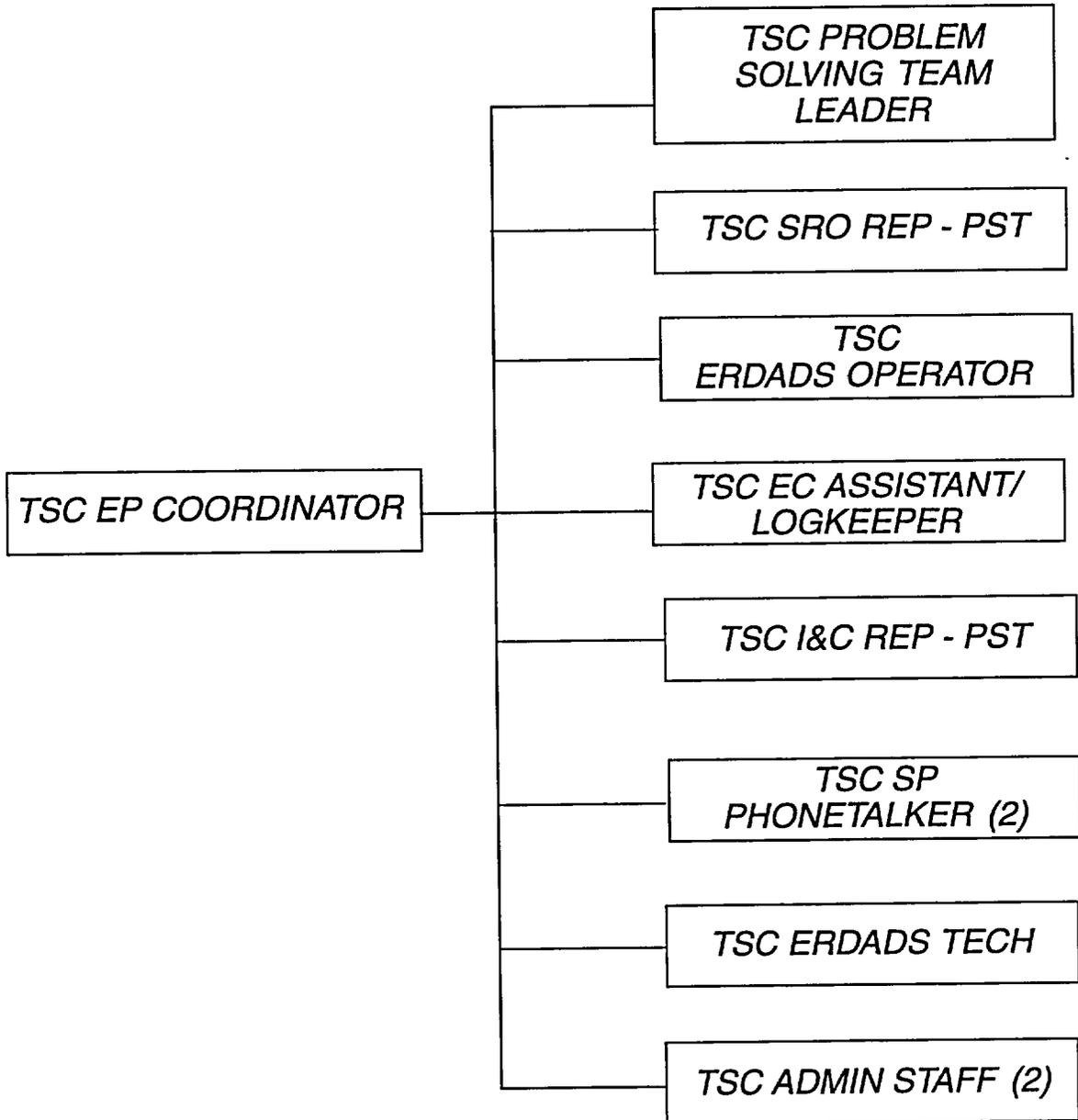
ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 6 of 11)

NUCLEAR DIVISION DUTY OFFICER



**ATTACHMENT 1
EMERGENCY STAFFING CALL TREE**
(Page 7 of 11)

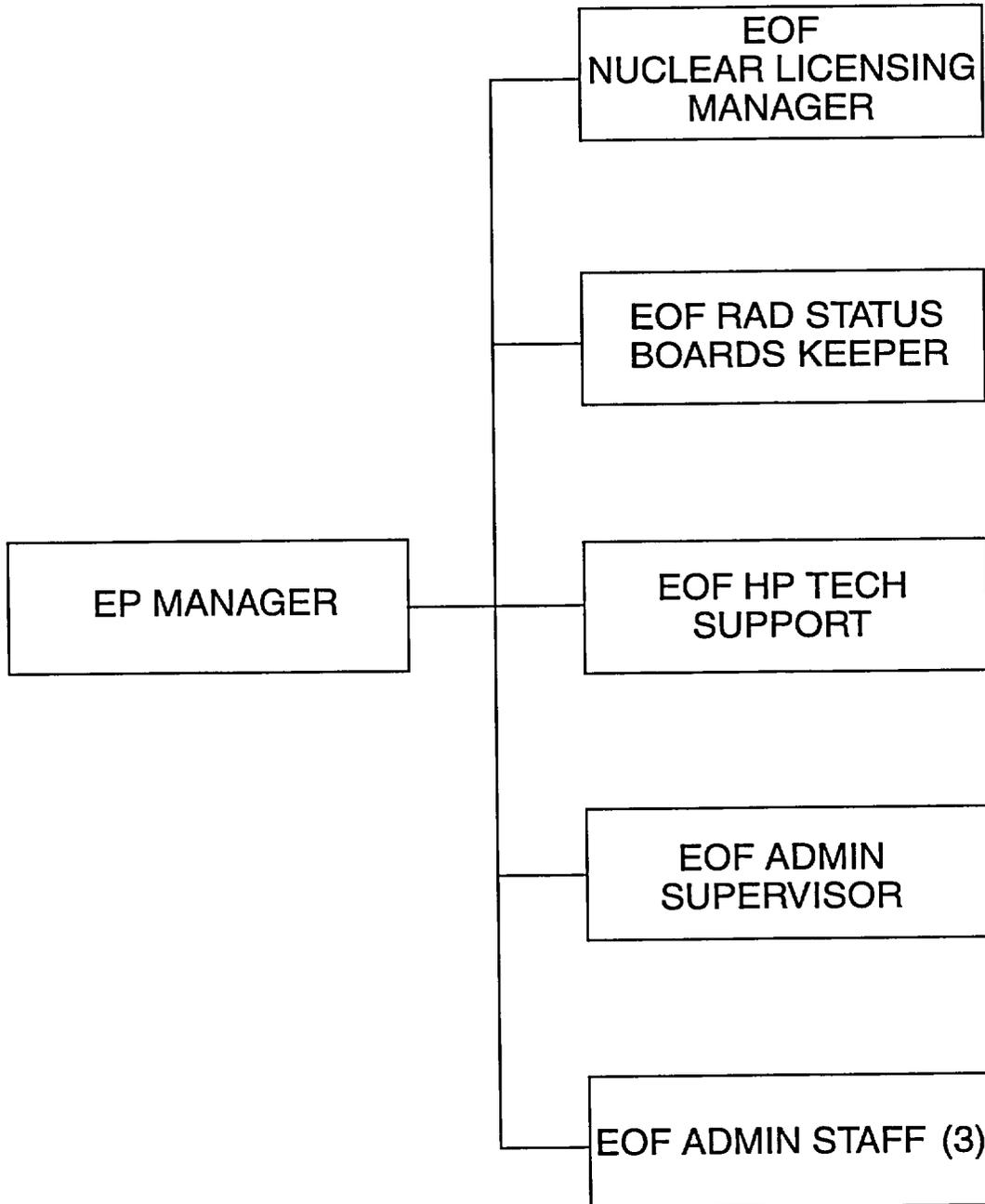
TSC EP COORDINATOR



REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 20 of 25
PROCEDURE NO.: EPIP-03		

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 8 of 11)

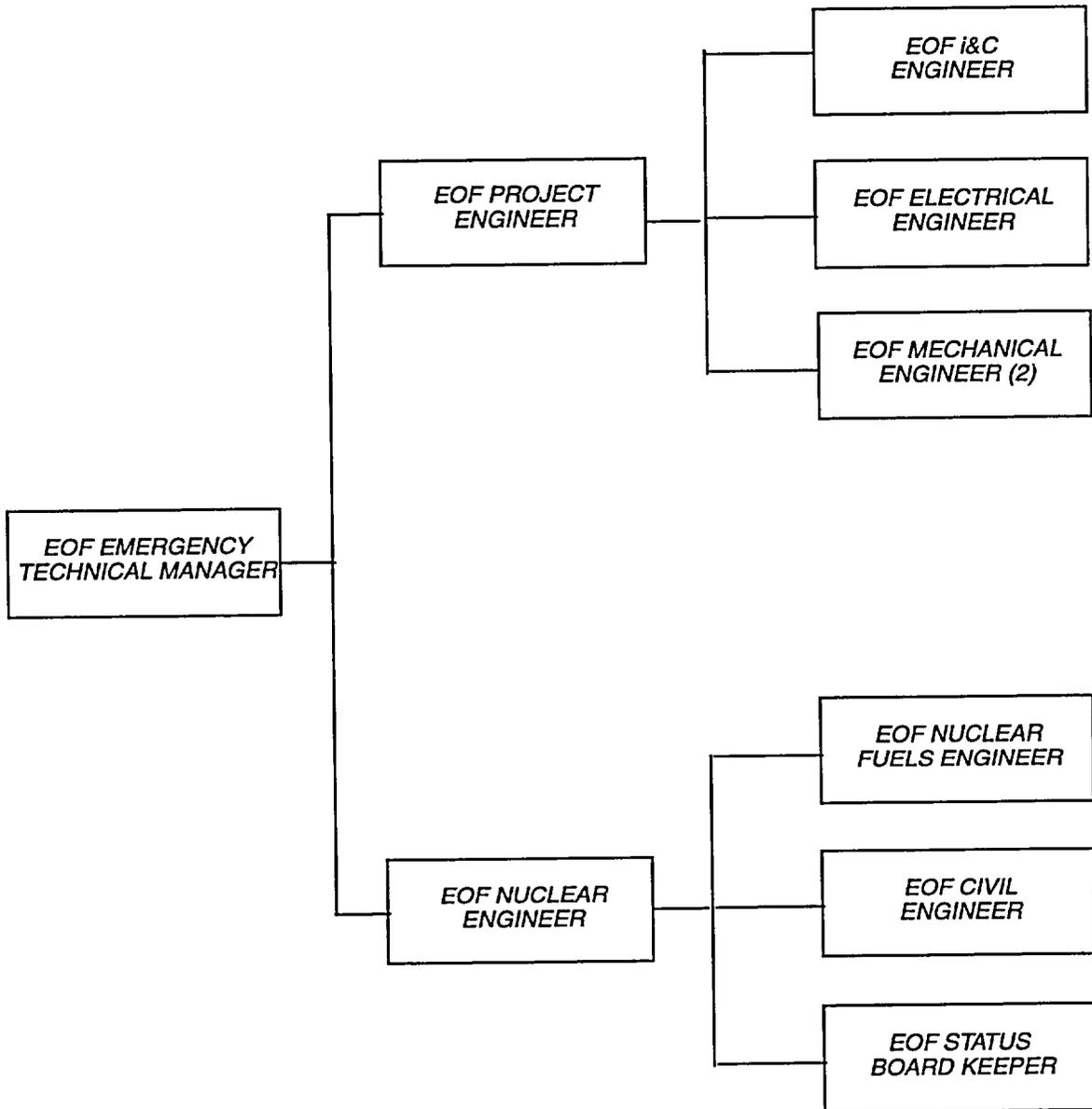
EP MANAGER



REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 21 of 25
PROCEDURE NO.: EPIP-03		

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 9 of 11)

EOF EMERGENCY TECHNICAL MANAGER



REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 22 of 25
PROCEDURE NO.: EPIP-03		

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 10 of 11)

Emergency Response Organization Positions List

Position	Title	Position	Title
100	Duty Call Supervisor	161	OSC Electrician (3)
101	Emergency Coordinator	162	OSC Mechanic (3)
102	TSC Supervisor	163	OSC I&C Specialist (3)
103	TSC HP Supervisor	166	OSC Dosimetry Technician
104	TSC Chemistry Supervisor		
105	TSC Reactor Engineer	168	OSC Mechanical Foreman
106	TSC Communicator (3)	169	OSC NMM Staff Rep
107	TSC Elec Rep - Problem Solving Tm	170	OSC Safety Rep
108	TSC Mech Rep - Problem Solving Tm (3)	171	OSC Admin Tech / Logkeeper (2)
109*	HP Shift Supervisor / On Shift Tech	172	Assembly Area Supervisor
110	TSC Ops Coordinator (2)	173	OSC Ops Reentry Supervisor
111	TSC Dose Assessor	174	OSC Protection and Control Rep
112	TSC HP Communicator (2)	175	OSC I&C Shop Supervisor
113	TSC SP Phonetalker (2)	176	Field Monitoring Team Driver (3)
114	TSC ERDADS Operator	177	OSC Information Services Rep
115	TSC Problem Solving Team Leader	180*	Security Shift Specialist
116	TSC ERDADS Tech	181*	Security Officer (4)
117	TSC I&C Rep - Problem Solving Tm	200	Recovery Manager
118	TSC SRO Rep - Problem Solving Tm	204	Risk Manager
119	TSC Security Supervisor	205	Governmental Affairs Manager
120	TSC Coordinator with OSC	209	EOF RM Ops Advisor / Logkeeper (2)
121	TSC Administrative Staff (2)	213	EOF ERDADS Operator
122	TSC EP Coordinator	216	EOF Status Board Keeper
124	TSC EC Assistant / Logkeeper	230	EOF Emergency Technical Manager
151	OSC HP Tech (ALL)	231	EOF Project Engineer
152	OSC Electrical Reentry Supervisor	232	EOF Mechanical Engineer (2)
153	OSC I&C Reentry Supervisor	233	EOF Nuclear Engineer
154	OSC Mechanical Reentry Supervisor	235	EOF Nuclear Fuels Engineer
155	OSC Chemistry Supervisor	236	EOF Civil Engineer
156	OSC Electrical Chief	237	EOF I&C Engineer
157	OSC Supervisor / Manager	238	EOF Electrical Engineer
158	OSC Coordinator with TSC	240	EOF Health Physics Manager
159	OSC HP Supervisor	245	EOF Dose Assessor / FMT Coord. (3)
160	OSC Chemist (3)	246	EOF HP Tech Support

*Not ERO positions, but are needed to ensure automated call-out logic will function properly.

REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 23 of 25
PROCEDURE NO.: EPIP-03		

ATTACHMENT 1
EMERGENCY STAFFING CALL TREE
(Page 11 of 11)

Emergency Response Organization Positions List

Position	Title	Position	Title
247	EOF Rad Status Boards Keeper	279	Regulatory Affairs
250	EOF Nuclear Licensing Manager	280	EOF Administrative Supervisor
255	EOF Communicator (4)	281	EOF Administrative Staff (3)
260	EOF Emergency Security Manager	290	EP Manager
270	EOF Emergency Information Manager	291	Governor's Advisor
271	Nuclear Division Duty Officer	294	St. Lucie County Technical Advisor
273	EIM / ENC Technical Advisor (2)	295	Martin County Technical Advisor
275	Governmental Affairs Assistant	300	Emergency Control Officer
276	Gov Affairs Rep (Tallahassee)	301	Chief Nuclear Officer
278	Aviator		

END OF ATTACHMENT 1

REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 24 of 25
PROCEDURE NO.: EPIP-03		

ATTACHMENT 2
FPL EMERGENCY RECALL SYSTEM (ERS) ACTIVATION CHECKLIST
(Page 1 of 2)

Name: _____

Unit: _____

Date: ___/___/___

Time: _____

1. Prior to making the call, determine the appropriate scenario to activate. Use scenario **30** during normal working hours, or use scenario **50** for an off-hours activation. You will be requested to enter the two digit scenario number during the call.

Scenario to be used: _____

NOTE

When you call, enter the password (refer to the DCS Notebook) as soon as the system answers and begins talking. If you wait until the message is complete, you will not be able to connect to the system.

2. Call the Emergency Recall System at **8-694-4200** or **8-1-561-694-4200**.
3. Enter the password as soon as the system answers.

Unit 1 - Refer to DCS Notebook

Unit 2 - Refer to DCS Notebook

WHEN THE SYSTEM STATES . . .	YOU SHOULD ENTER . . . Circle One
"Enter the scenario number you want to work with"	30 - normal working hours 50 - off-hours
"That scenario is completed. Do you want to que it? Please press 9 for yes or 6 for no."	9 - to confirm the scenario 6 - to cancel
"Enter scenario status. Press 1 for emergency, 2 for response drill, or 3 for telephone test."	1 - for an emergency activation 2 - to run a response drill, having personnel respond to the facilities 3 - for a telephone test only, with no response to the facilities

REVISION NO.: 9	PROCEDURE TITLE: EMERGENCY RESPONSE ORGANIZATION NOTIFICATION / STAFF AUGMENTATION ST. LUCIE PLANT	PAGE: 25 of 25
PROCEDURE NO.: EPIP-03		

ATTACHMENT 2
FPL EMERGENCY RECALL SYSTEM (ERS) ACTIVATION CHECKLIST
(Page 2 of 2)

WHEN THE SYSTEM STATES (cont.)	YOU SHOULD ENTER (cont.) Circle One
"To record a custom message, enter star, star (**), then record. To end recording, hit star again. If you have no information available or do not wish to record a message, enter zero, zero followed by the pound (#) symbol."	** - This is an optional message. If you choose to use it, you should make a single statement regarding the status of the emergency. Example: "Alert based on greater than 50 gallon per minute Reactor Coolant System leak." If a significant radiological release could affect site access, a message should be recorded similar to: "Enter the plant from the (north / south)." 00# - no message
"You have entered the following emergency message . . . _____, which states _____ . . . Is that correct? Press 9 for yes or 6 for no."	9 - to confirm 6 - to cancel
"Enter a 911 event code if it's an actual emergency, an 811 event code for a response drill, or a 711 event code for a telephone."	911 - actual emergency activation 811 - for a response drill 711 - for a telephone test
"You entered _____. Is that correct? Press 9 for yes or 6 for no."	9 - to confirm 6 - to cancel
"At the end of this step you have chosen to start scenario _____ as a _____. Are you certain this is what you want to do? Please press 9 for yes, 6 for no."	9 - to activate the autodialer 6 - to cancel and hang up

4. Initiate the manual call-out process in accordance with EPIP-03, Emergency Response Organization Notification / Staff Augmentation.
5. To verify that the system has activated, use one of the following:
 - report received on the telecopy machine in either Control Room, or
 - report of appropriate pager activation from any Emergency Response Organization member.
6. If verification is not received within **10** minutes, Then continue the manual call-out in accordance with EPIP-03.

END OF ATTACHMENT 2



FPL

ST. LUCIE PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

SAFETY RELATED

Procedure No.

EPIP-04

Current Revision No.

10

Effective Date

08/01/02

Title:

ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER

Responsible Department: **EMERGENCY PREPAREDNESS**

PSL
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818
PROCEDURE PRODUCTION

REVISION SUMMARY:

Revision 10 - Referenced EPIP-08 for act. notif. methods. Deleted duplicate information. Clarified instructions for using commercial phone. Deleted priority requirements. Added EC review/approval to Attachment A. Added SRO approval for 50.54(x) on Attachment 12B. Made editorial/administrative changes. (J. R. Walker, 07/18/02)

Revision 9 - Updated instructions for obtaining EPIP list on Lotus Notes. Added instructions for establishing/terminating the videolink. Added back EC sign-off to Attachment 12B, inadvertently removed in last revision. Added information on where to get ERO link password. (J. R. Walker, 10/11/01)

Revision 8 - Reduced paperwork required to request re-entry teams, streamlined re-entry, and streamlined problem solving team paperwork. (Donna Calabrese, 04/26/01)

Revision 7 - Revised mandatory functions to include classification and PARs, removed references to STA, revised responsibilities of the TSC EC Assist/Logkeeper and TSC Chemistry Supervisor, and made editorial and administrative changes. (J. R. Walker, 12/07/00)

Revision 6 - Changed responsibility for filling in the State Notification Form from the TSC HRD Communication to the TSC EC Assist/Logkeeper. Made editorial and administrative changes. Revised TSC briefing guidance IAW CR 00-0429. Added new PST Tracking form. (Donna Calabrese, 05/31/00)

Revision	FRG Review Date	Approved By	Approval Date	S__OPS
0	12/15/97	J. Scarola Plant General Manager	12/15/97	DATE DOCT DOCN SYS COM ITM
10	07/18/02	D. Rose Plant General Manager N/A Designated Approver N/A Designated Approver (Minor Correction)	07/18/02	PROCEDURE EPIP-04 COMPLETED 10

REVISION NO: 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE. 2 of 82
PROCEDURE NO.: EPIP-04		

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 PURPOSE	4
2.0 REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS	6
3.0 RESPONSIBILITIES	8
4.0 DEFINITIONS	10
5.0 INSTRUCTIONS	11
 <u>ATTACHMENTS</u>	
ATTACHMENT 1 TSC EMERGENCY RESPONSE ORGANIZATION AND SHIFT STAFFING	13
ATTACHMENT 2 TSC EC ASSIST / LOGKEEPER CHECKLIST	14
ATTACHMENT 2A TYPICAL INFORMATION TO BE INCLUDED IN THE EC LOGBOOK	16
ATTACHMENT 3 TSC SUPERVISOR CHECKLIST	17
ATTACHMENT 3A TSC ERO SHIFT STAFFING AND ACCOUNTABILITY ROSTER	21
ATTACHMENT 3B TSC MINIMUM STAFFING REQUIREMENTS.....	22
ATTACHMENT 3C TSC FACILITY BRIEFINGS	23
ATTACHMENT 3D GUIDELINES FOR RELOCATION OF THE TSC.....	25
ATTACHMENT 4 TSC COMMUNICATOR CHECKLIST	28
ATTACHMENT 4A COMMUNICATIONS GUIDELINES	32
ATTACHMENT 4B SAFETY FUNCTIONS EQUIPMENT STATUS - UNIT 1.....	37

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 3 of 82
PROCEDURE NO.: EPIP-04		

TABLE OF CONTENTS
(continued)

<u>SECTION</u>	<u>PAGE</u>
<u>ATTACHMENTS</u> (continued)	
ATTACHMENT 5 TSC ERDADS OPERATOR CHECKLIST	41
ATTACHMENT 5A ERDADS DATA ACQUISITION.....	43
ATTACHMENT 5B ERDADS DATA POINTS	46
ATTACHMENT 6 TSC ADMINISTRATIVE STAFF CHECKLIST	54
ATTACHMENT 7 TSC COORDINATOR WITH OSC CHECKLIST	58
ATTACHMENT 7A RE-ENTRY LOG	59
ATTACHMENT 8 TSC OPS COORDINATOR CHECKLIST.....	60
ATTACHMENT 9 TSC REACTOR ENGINEER CHECKLIST	64
ATTACHMENT 9A INITIATING AND TERMINATING THE ERDS LINK	67
ATTACHMENT 10 TSC CHEMISTRY SUPERVISOR CHECKLIST.....	69
ATTACHMENT 11 TSC DOSE ASSESSOR CHECKLIST	72
ATTACHMENT 11A OFF-SITE RADIOLOGICAL ASSESSMENT.....	74
ATTACHMENT 11B PROTECTIVE ACTION RECOMMENDATIONS.....	75
ATTACHMENT 12 TSC PROBLEM SOLVING TEAM CHECKLIST.....	76
ATTACHMENT 12A PST ACTIVITIES LIST	78
ATTACHMENT 12B PROBLEM SOLVING TEAM WORKSHEET	79
ATTACHMENT 13 TSC SECURITY SUPERVISOR CHECKLIST.....	80

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE. 4 of 82
PROCEDURE NO.: EPIP-04		

1.0 PURPOSE

1.1 Discussion

This procedure provides instructions for the activation and operation of the Technical Support Center (TSC).

1.2 Location and Description

The TSC is on the 62 foot elevation of the Unit 1 Reactor Auxiliary Building (RAB). The TSC is located adjacent to the Unit 1 Control Room and is enclosed in the same habitability envelope. The TSC has emergency communications equipment, precalculated emergency data, pertinent reports, plans, procedures and drawings available for use. Should the Unit 1 Control Room envelope require evacuation, alternate locations for the TSC have been identified as follows:

1. South Service Building
2. Nuclear Training Center

1.3 TSC Functions

1. Mandatory Functions
 - A. Classification of emergencies in accordance with EPIP-01, Classification of Emergencies.

NOTE

The following tasks become the responsibility of the Emergency Operations Facility (EOF) when manned and fully operational.

- B. Relief to the Control Room for off-site communications to the State and local agencies and the NRC in accordance with EPIP-08, Off-site Notifications and Protective Action Recommendations.
- C. Performance of off-site dose calculations in accordance with EPIP-09, Off-site Dose Calculations, or the Class A computer model.
- D. Protective Action Recommendations (PARs) in accordance with EPIP-08.

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 5 of 82
PROCEDURE NO.: EPIP-04		

1.3 TSC Functions (continued)

2. Additional Functions

- A. Management of emergency mitigation activities.
- B. Technical support in determining current and projected plant status and providing in-depth diagnostic and engineering assistance to the Control Room.
- C. Direct the re-entry activities of the Operational Support Center (OSC).
- D. Coordination with the Emergency Operations Facility (EOF) regarding emergency status, corrective and protective actions, off-site interface, radiological conditions, core damage assessment, etc.

1.4 Minimum Staffing

1. The following is the list of the minimum positions needed for TSC operation:

- Emergency Coordinator
- TSC Supervisor
- TSC Dose Assessor
- TSC Reactor Engineer
- TSC Elec Rep - PST (Problem Solving Team)
- TSC Mech Rep - PST
- (3) TSC Communicator (HRD, ENS, EOF)

1.5 §2 Activation

Activation of the TSC is the responsibility of the Emergency Coordinator (EC) and is required for an Alert or higher declared emergency. Arrangements have been made to staff the TSC in a timely manner.

1.6 Operations

The TSC has sufficient space to accommodate the Florida Power & Light Company (FPL) response organization and designated representatives of the Nuclear Regulatory Commission (NRC) Site Team. Arrangements have been made which allow for continuous operation, as necessary.

REVISION NO : 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 6 of 82
PROCEDURE NO.: EPIP-04		

2.0 REFERENCES / RECORDS REQUIRED / COMMITMENT DOCUMENTS

NOTE

One or more of the following symbols may be used in this procedure:

- § Indicates a Regulatory commitment made by Technical Specifications, Condition of License, Audit, LER, Bulletin, Operating Experience, License Renewal, etc. and shall NOT be revised without Facility Review Group review and Plant General Manager approval.
- ¶ Indicates a management directive, vendor recommendation, plant practice or other non-regulatory commitment that should NOT be revised without consultation with the plant staff.
- Ψ Indicates a step that requires a sign off on an attachment.

2.1 References

1. §₁ St. Lucie Plant Technical Specifications Unit 1 and Unit 2 (Section 6.10.1)
2. St. Lucie Plant Updated Final Safety Analysis Report (UFSAR) Unit 1 and Unit 2
3. §₂ St. Lucie Plant Radiological Emergency Plan (E-Plan)
4. §₃ St. Lucie Plant Topical Quality Assurance Report (TQAR)
5. E-Plan Implementing Procedures (EPIP 00-13)
6. HP-200 Series Procedures
7. ADM-17.09, Invoking 10 CFR 50.54(x)
8. ADM-17.11, 10 CFR 50.59 Screening
9. St. Lucie Plant Emergency Response Directory (ERD)
10. QI-17-PSL-1, Quality Assurance Records
11. ERDADS Reactor Operator's Manual (8770-12058)
12. St. Lucie Plant Severe Accident Management Guidelines (SAMGs)

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 7 of 82
PROCEDURE NO.: EPIP-04		

2.1 References (continued)

13. §4 Fitness for Duty Rule, 10 CFR 26
14. NUREG 1394, Emergency Response Data System (ERDS)
15. Condition Report 01-0169 (TSC / Unit 1 CR HVAC Charcoal Filtration Change Out)

2.2 Records Required

1. The following shall be retained following a plant emergency:
 - Checklists, data and paperwork generated per this procedure.
 - Log books maintained during the plant emergency.
2. §1 Recorded information shall be forwarded to Emergency Planning following the event, for review and archival in accordance with Technical Specification 6.10.1 and QI-17-PSL-1.

2.3 Commitment Documents

1. ¶1 PMAI PM97-04-142, Training Drill Critique 1/24/97, (ERDADS screen mimics and full staffing guidance)
2. ¶2 Condition Report 97-1389, (Emergency Supplies)
3. ¶4 PMAI PM96-09-185, Condition Report CR 96-1750 (Off-site Notification Using Commercial Phone)
4. ¶5 Condition Report 00-0429 (TSC Briefing)
5. ¶6 Condition Report 01-0078 (Re-entry Paperwork and Response Time Expectations)

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 8 of 82
PROCEDURE NO: EPIP-04		

3.0 RESPONSIBILITIES

3.1 Emergency Coordinator (EC)

1. The responsibilities for this position are provided in EPIP-02, Duties and Responsibilities of the Emergency Coordinator.

3.2 TSC EC Assist/Logkeeper

1. Initiates and maintains the EC Logbook.
2. Provides assistance to the EC to ensure EC responsibilities are met, particularly off-site notifications and Protective Action Recommendations (PARs).
3. Performs duties as directed/assigned by the EC.

3.3 TSC Supervisor

1. Provides command and control of TSC activities.
2. Supervises the TSC staff particularly the communicators and administrative personnel.
3. Coordinates activities to ensure adequate support of the EC.
4. Ensures communications are performed with off-site agencies until the EOF is activated.
5. Ensures the communication flow is maintained within the facility and with the Control Room, OSC and EOF.
6. Coordinates facility briefings.
7. Arranges for long term operation of the TSC.

3.4 TSC Coordinator with the OSC

1. Serves as the coordinator with the OSC.
2. Provides the OSC with requests for Re-entry Teams.
3. Tracks the re-entry activities of the OSC.
4. Updates the TSC regarding OSC team status and corrective actions.

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 9 of 82
PROCEDURE NO: EPIP-04		

3.5 TSC OPS Coordinator

NOTE

This position is filled by two persons, one located in the affected unit's Control Room, the other in the TSC.

1. Provides expertise in plant operations to the EC in the TSC.
2. Provides communications assistance to the NPS in the affected Control Room.
3. Ensures the unaffected unit's Control Room is kept apprised of the status of the emergency.
4. Maintains communication flow between the TSC and the affected Control Room concerning status of operations.
5. Serves as primary Severe Accident Management Guidelines (SAMGs) decision maker.

3.6 TSC Reactor Engineer

1. Monitors critical safety functions for indications of core status.
2. Assists Nuclear Fuels personnel in the EOF in assessment of core damage.
3. Assists in Severe Accident Management Guidelines (SAMGs) evaluation.

3.7 TSC Chemistry Supervisor

1. Directs dose assessment activities in the TSC.
2. Assists the EC with Protective Action Recommendations (PARs).
3. Keeps the EC apprised of chemistry related issues.
4. Assists the Chemistry Supervisor in the OSC.

3.8 TSC HP Supervisor (TSCHPS)

1. The responsibilities for this position are provided in HP-200, Health Physics Emergency Organization.

/R10

/R10

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 10 of 82
PROCEDURE NO : EPIP-04		

3.9 TSC Security Supervisor

1. Establishes and maintains site accountability.
2. Arranges site access for the NRC Site Team.
3. Controls on-site security operations throughout the emergency.

3.10 TSC Problem Solving Team (PST)

1. Evaluates plant conditions and provides recommendations to the EC.
2. Anticipates component failures and accident consequences.
3. Researches affected systems and components.
4. Develops mitigation strategies and/or countermeasures.
5. Performs Severe Accident Management Guidelines (SAMGs) evaluation.

4.0 DEFINITIONS

4.1 Facility Status

1. **Activation** - the request to staff and establish an Emergency Response Facility (ERF).
2. **Operational** - when sufficient personnel (i.e., minimum staff) are available to accomplish mandatory facility functions such as off-site notifications and dose calculations.
3. **Fully Staffed** - the complete complement of personnel is present in the facility.

4.2 **FPL Emergency Recall System (ERS)** - the call-out system used as a means of off hours call-out, as described in EPIP-03, Emergency Response Organization/Staff Augmentation.

4.3 **Videolink** - a closed circuit audio/visual communications link originating in the TSC with feeds to the OSC and the EOF allowing the EC briefings to be available in all the Emergency Response Facilities (ERFs).

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 11 of 82
PROCEDURE NO : EPIP-04		

5.0 INSTRUCTIONS

NOTE

- This section provides general information and instructions for all TSC responders.
- Position specific checklists are included as attachments to this procedure.
- Individuals specifically designated as members of the TSC Emergency Response Organization (ERO) are identified in the ERD.

5.1 When notified, TSC emergency responders are to report to the facility as quickly as possible.

5.2 The initial responder to the TSC should do the following:

1. Unlock the facility with a key from the NPS or Assistant Nuclear Plant Supervisor (ANPS). If these persons are unavailable, break the glass to the keybox next to the door and remove the key.
2. Turn on the facility lights.
3. Open all facility equipment / document storage cabinets.

5.3 Upon arrival at the facility, each TSC emergency responder should perform the following:

1. Sign-in on:
 - A. the status board on the South (rear) wall of the facility in the space corresponding to your position and
 - B. the TSC ERO Shift Staffing and Accountability Roster.
2. Obtain your specific position notebook from the storage cabinet.
3. Place your name on your position (player) badge (located in the position notebook) with a dry erase marker or in any other non permanent manner.
4. Make your workstation/location operational.
5. Notify your supervisor or the TSC Supervisor of your readiness status.

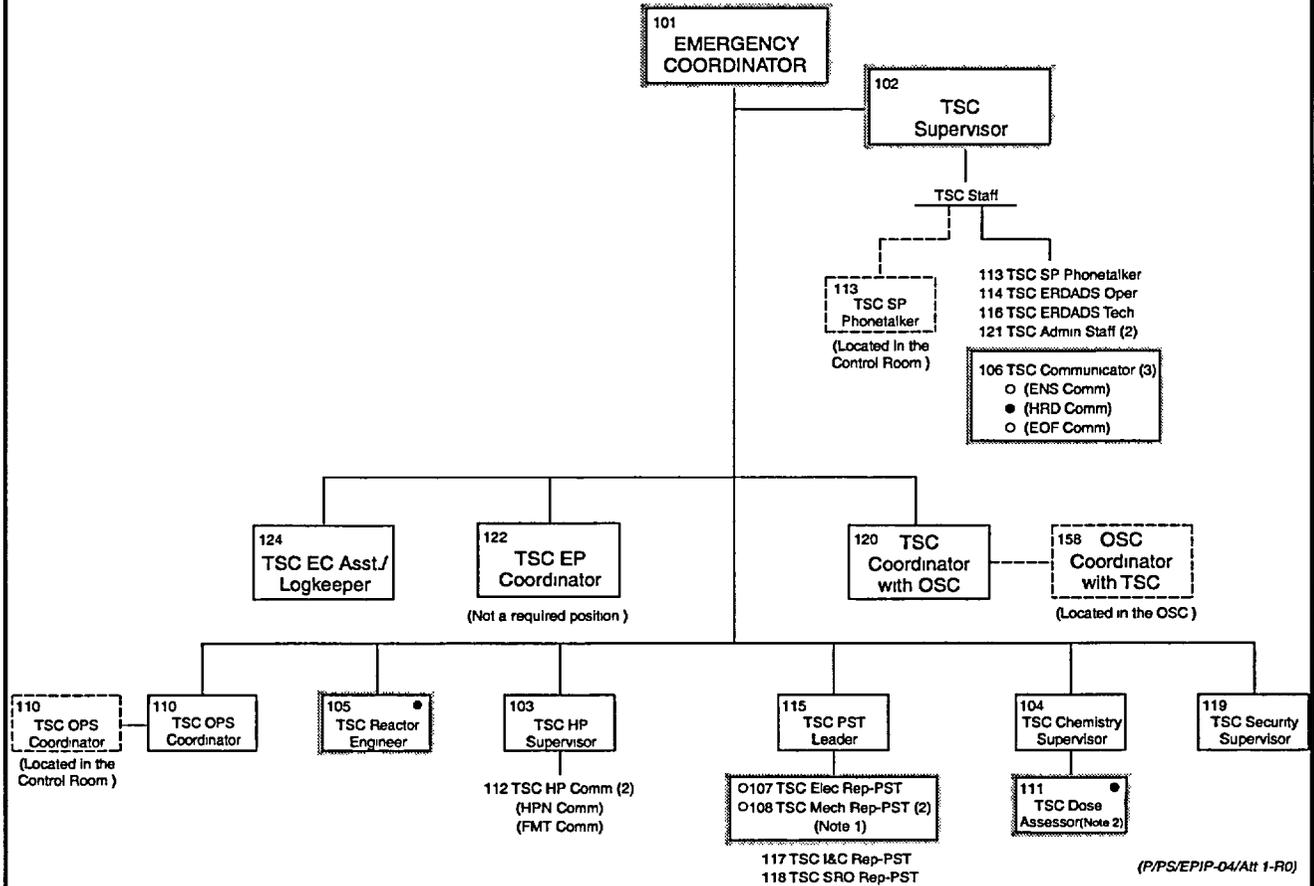
REVISION NO · 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 12 of 82
PROCEDURE NO · EPIP-04		

- 5.4 §3 Only controlled copies of nuclear safety-related procedures, drawings and other available plant information shall be used. Non-controlled documents or drawings should be verified with a controlled copy prior to use in the TSC.
- 5.5 During facility briefings, stop what you are doing, pay attention and contribute, as requested.
- 5.6 Upon termination of the event:
1. All TSC personnel should return their workstations/locations to a normal state and assist in restoring the facility to a ready condition.
 2. Collect all significant information and documentation, such as completed EIPs and attachments, logs, notification forms and other notes and data sheets (not bound in the position notebooks), and provide this material to the TSC Supervisor.

END OF SECTION 5.0

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 13 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 1
TSC EMERGENCY RESPONSE ORGANIZATION AND SHIFT STAFFING
(Page 1 of 1)



Autodialer position numbers are listed with position titles

- 30 minute response goal, per NUREG 0654, Table B-1
- 60 minute response goal, per NUREG 0654, Table B-1

Note 1- Only one person in the TSC Mech Rep-PST position is required as minimum staff

Note 2- The Dose Assessor function will be performed by the on-shift Chemist.

□ Indicates minimum staffing positions that must be filled in order to declare the facility operational

END OF ATTACHMENT 1

REVISION NO. 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 14 of 82
PROCEDURE NO. EPIP-04		

ATTACHMENT 2
TSC EC ASSIST / LOGKEEPER CHECKLIST
(Page 1 of 2)

NOTE
When necessary or appropriate, steps of this checklist may be performed out of sequence.

- | | | <u>INITIAL</u> |
|-----------|---|----------------|
| A. | <u>FACILITY ACTIVATION</u> | |
| 1. | Refer to section 5.0 of this procedure (included in the position notebook) and review the general instructions. | _____ |
| B. | <u>FACILITY OPERATION</u> | |
| 1. | Remove the EC Logbook from the EC position notebook and initiate the EC Log (use Attachment 2A, Typical Information to be Included in the EC Logbook). | _____ |
| 2. | Review the requirements of EPIP-02, Duties and Responsibilities of the Emergency Coordinator. | _____ |
| 3. | Steps to occur continually while the facility is in operation: | |
| a. | Maintain the EC Logbook. | |
| b. | Assist the EC in the completion of the requirements of EPIP-02. | |
| c. | Prior to the Emergency Operations Facility going operational, assist the EC in completion of the State Notification Form, including determination of Protective Action Recommendations (PARs), as necessary in accordance with EPIP-08, Off-site Notifications and Protective Action Recommendations. | |
| d. | Verify that the EC approves all off-site notification forms. | |
| e. | Remind the EC of time limits for notification of off-site agencies. | |
| f. | Ensure checklists/paperwork are properly completed. | |
| g. | Provide EC a summary of recent log entries for facility briefings. | |

REVISION NO. 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 15 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 2
TSC EC ASSIST / LOGKEEPER CHECKLIST
(Page 2 of 2)

- B. 3.** (continued) INITIAL
- h. Support EC as needed or requested.
- i. Assist the Emergency Notification System (ENS) Communicator in responding to requests for information from the NRC.

C. FACILITY CLOSEOUT AND RESTORATION

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

1. Ensured all facility activities closed out. _____
2. Closed out the EC Log, returned the Logbook to the EC position notebook and returned the notebook to the storage cabinet. _____
3. Ensured all paperwork collected. _____
4. Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. _____
5. Returned position notebook to storage cabinet. _____

END OF ATTACHMENT 2

REVISION NO : 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 16 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 2A
TYPICAL INFORMATION TO BE INCLUDED IN THE EC LOGBOOK
(Page 1 of 1)

Maintaining concise, detailed logs during an emergency event is important. Following the event, all information recorded will be needed to provide a clear picture of actions taken.

- A. The following information should be included in the EC Logbook:
1. Key events (e.g., classification changes, injuries, etc.).
 2. Status changes in equipment, radiological conditions, personnel, etc.
 3. Decisions made or actions taken.
 4. Other items of significance.
- B. Log entry requirements:
1. Time of entry.
 2. Use ink.
 3. Write/print legibly.
 4. Use concise and accurate wording.
 5. Strike through and initial changes.
 6. Do not remove pages from the log.

END OF ATTACHMENT 2A

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 17 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 3
TSC SUPERVISOR CHECKLIST
(Page 1 of 4)

<p><u>NOTE</u> When necessary or appropriate, steps of this checklist may be performed out of sequence.</p>
--

A. FACILITY ACTIVATION INITIAL

1. Refer to Section 5.0 of this procedure (included in the position notebook) and review the general instructions. _____
2. Determine operational readiness of the TSC by verifying the following:

<p><u>NOTE</u> Attachment 3B, TSC Minimum Staffing Requirements, should be used to determine staff and suitable alternates.</p>
--

- a. Minimum staff available (use to Attachment 3A, TSC ERO Shift Staffing and Accountability Roster). _____
 - b. Communications equipment, procedures and other supplies are available, checked and ready to use. _____
 - Commercial phone as backup to State/County and NRC Notifications (DO NOT test call HRD or ENS).
 - Extension phones in TSC.
 - Procedure, drawing, tech manual cabinets unlocked.
 - Instruct personnel to verify their position notebook procedures against the posted revision numbers.
 - c. Minimum staff prepared to accomplish mandatory facility functions. _____
3. Recommend to the EC that the TSC should be declared operational. Operational at _____ _____

REVISION NO.: 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 18 of 82
PROCEDURE NO. EPIP-04		

ATTACHMENT 3
TSC SUPERVISOR CHECKLIST
(Page 2 of 4)

A. (continued)

INITIAL

NOTE

¶₁ Unless authorized by the EC, facility staffing should be in accordance with Attachment 3A, TSC ERO Shift Staffing and Accountability Roster.

- | | | |
|----|---|-------|
| 4. | Review additional staffing status with the EC. | _____ |
| 5. | TSC fully staffed. | _____ |
| 6. | Ensure that the EC log, completed notification forms and checklists and any other pertinent information have been faxed to the EOF. | _____ |

B. FACILITY OPERATION

- | | | |
|----|---------------------------|-------|
| 1. | Initiate the TSC Logbook. | _____ |
|----|---------------------------|-------|

NOTE

The TSC Reactor Engineer is responsible for establishing the communication between the St. Lucie Plant's Emergency Response Data Acquisition and Display System (ERDADS) and the NRC's Emergency Response Data System (ERDS).

- | | | |
|----|--|-------|
| 2. | Ensure ERDADS Link with the NRC (ERDS) established/ attempted. | _____ |
| 3. | ¶ ₂ Obtain food and water supply for the Unit 1 Control Room/TSC personnel. | _____ |
| 4. | ¶ ₂ Obtain food and water supply for the Unit 2 Control Room personnel. | _____ |
| 5. | Arrange for long term staffing (use Attachment 3A, TSC ERO Shift Staffing and Accountability Roster). | _____ |
| 6. | As directed by the EC, initiate steps for relocation of the TSC (use Attachment 3D, Guidelines for Relocation of the TSC). | _____ |

REVISION NO : 10	PROCEDURE TITLE. ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 19 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 3
TSC SUPERVISOR CHECKLIST
(Page 3 of 4)

B. (continued) INITIAL

7. Steps to occur continually while the facility is in operation:
- a. Maintain the TSC Logbook.
 - b. Manage/supervise activities of TSC Communicators (HRD, ENS, EOF, HPN, Sound-Powered Phonetalker, FMT).
 - c. Manage/supervise activities of the TSC Administrative Staff.
 - d. Maintain low noise levels in the facility.
 - e. Coordinate overall support functions of the TSC.
 - f. Conduct briefings in accordance with Attachment 3C, TSC Facility Briefings.
 - g. Ensure the OSC is kept well informed regarding emergency status and plant conditions (an audio/video link may be used for this purpose).
 - h. Ensure the EOF is kept well informed regarding emergency status and plant conditions (an audio/video link may be used for this purpose).

C. FACILITY CLOSEOUT AND RESTORATION

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

- 1. All communications links terminated. _____
- 2. All communications paperwork collected. _____
- 3. All facility activities closed out. _____
- 4. All documents, equipment and supplies returned to pre-activation condition and/or location. _____

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 20 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 3
TSC SUPERVISOR CHECKLIST
(Page 4 of 4)

- | | | |
|-----------|---|----------------|
| C. | (continued) | <u>INITIAL</u> |
| 5. | Closed out TSC Logbook. | _____ |
| 6. | Provided all completed paperwork (not bound in the position notebook(s)) to Emergency Planning. | _____ |
| 7. | Returned position notebook to storage cabinet. | _____ |

END OF ATTACHMENT 3

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER	PAGE: 21 of 82
PROCEDURE NO.: EPIP-04	ST. LUCIE PLANT	

ATTACHMENT 3A
TSC ERO SHIFT STAFFING AND ACCOUNTABILITY ROSTER
(Page 1 of 1)

Shift^{1,2} _____, Hours _____ To _____

POSITION (Minimum Staff in Bold) ³	NAME	BADGE NO.	POSITION (Minimum Staff in Bold) ³	NAME	BADGE NO.
Emergency Coordinator _____	_____	_____	TSC HP Supervisor _____	_____	_____
TSC Supervisor _____	_____	_____	TSC HP Comm _____	_____	_____
TSC Reactor Engineer _____	_____	_____	TSC HP Comm _____	_____	_____
TSC Dose Assessor ⁵ _____	_____	_____	TSC Chem Supervisor _____	_____	_____
TSC Communicator ⁴ _____	_____	_____	TSC OPS Coord (TSC) _____	_____	_____
TSC Communicator ⁴ _____	_____	_____	TSC OPS Coord (CR) _____	_____	_____
TSC Communicator ⁴ _____	_____	_____	TSC SP Phonetalker (TSC) _____	_____	_____
TSC Elec Rep-PST _____	_____	_____	TSC SP Phonetalker (CR) _____	_____	_____
TSC Mech Rep-PST _____	_____	_____	TSC Coordinator with OSC _____	_____	_____
TSC Mech Rep-PST _____	_____	_____	TSC ERDADS Operator _____	_____	_____
TSC Mech Rep-PST _____	_____	_____	TSC ERDADS Tech _____	_____	_____
TSC I&C Rep-PST _____	_____	_____	TSC Admin Staff _____	_____	_____
TSC SRO Rep-PST _____	_____	_____	TSC Admin Staff _____	_____	_____
TSC PST Leader _____	_____	_____	TSC Security Supv _____	_____	_____
TSC EC Assist / Logkeeper _____	_____	_____	TSC EP Coord (not required) _____	_____	_____

- ¹ Long term staffing, refer to the St. Lucie Plant Emergency Response Directory (ERD) for position alternates.
- ² Long term staffing includes the Control Rooms, attach list to this sheet.
- ³ Refer to Attachment 3B, TSC Minimum Staffing Requirements, to this attachment for temporary alternates for minimum staff positions.
- ⁴ TSC Communicator position fills the following positions:
- a. TSC ENS Communicator
 - b. TSC HRD Communicator
 - c. TSC EOF Communicator
- ⁵ Position may be relieved when the EOF goes operational and takes the lead for dose assessment.

END OF ATTACHMENT 3A

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 22 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 3B
TSC MINIMUM STAFFING REQUIREMENTS
(Page 1 of 1)

Major Functional Area ¹	Position Title and ID No. ²	# in Position	Qualifications/ Temporary Alternate
Senior Mgmt. Rep.	Emergency Coordinator, 101	1	Senior Manager with Emergency Coordinator qualifications
Off-site Dose Assessment	TSC Dose Assessor, 111	1	Member of Chemistry Department
Core/Thermal Hydraulics	TSC Reactor Engineer, 105	1	Member of the Reactor Engineering Department or current or prior STA
Notification/Communication	TSC Communicator, 106	3	TSC responder with - STA or equivalent background for ENS Communicator - Technical/operational background for HRD or EOF Communicator
Electrical	TSC Elec Rep - PST, 107	1	Electrical Engineer or Electrical Maintenance Supervisor
Mechanical	TSC Mech Rep - PST, 108	1	Mechanical Engineer or Mechanical Maintenance Supervisor
Facility Command and Control	TSC Supervisor, 102	1	TSC Coordinator with OSC

- ¹ This function(s) may be accomplished during the first 75 minutes of an emergency by an individual(s) meeting the corresponding listed qualifications.
- ² These Emergency Response Organization (ERO) positions were established to accomplish the indicated function(s).

END OF ATTACHMENT 3B

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 23 of 82
PROCEDURE NO.: EPIP-04		

115

ATTACHMENT 3C
TSC FACILITY BRIEFINGS
(Page 1 of 2)

NOTE

Briefings should be carried by the Videolink.

A. GENERAL GUIDELINES

1. Coordinated by the TSC Supervisor or his/her designee:
 - a. Establish a frequency (e.g., approximately every 30 minutes). Frequency of briefings may be changed (e.g., decreased during a protracted event or increased during rapidly changing conditions).
 - b. Set criteria (i.e., attendance, noise and activity level, collection and circulation of information, etc.).
2. TSC Supervisor should announce the start of the briefing and then turn the briefing over to the EC.
3. TSC Supervisor should assist the EC during the briefing.
 - a. Ensure that the EC receives any updated information. Coordinate this with the TSC EC Assistant/Logkeeper.
 - b. Ensure that the EC repeats any questions that are asked from the floor to ensure that the OSC and EOF members have heard them.

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 24 of 82
PROCEDURE NO.: EPIP-04		

¶5

ATTACHMENT 3C
TSC FACILITY BRIEFINGS
(Page 2 of 2)

- B. GENERAL FORMAT - the following information should be included in facility briefings.

NOTE

It is **not** necessary to have all department representatives participate in each briefing. Use discretion in this area to avoid unnecessary repetition of information.

1. Initial status and summary to include:
 - a. Time of the briefing.
 - b. Emergency Classification.
 - c. Plant status (affected unit, unaffected unit).
 - d. Radiological conditions (e.g., release in progress, contaminated areas, etc.).
 - e. Status of protective actions (e.g., site evacuation, actions underway by the public, etc.).
 - f. Status of activities underway in the facility.
 - g. Priority activities/primary focus.
2. Input/update information from other departments:
 - a. Operations (including EOP actions, discussion of SAMGs).
 - b. Health Physics (including field monitoring activities).
 - c. Reactor Engineering (including status of the reactor core).
 - d. Problem Solving Team (including SAMGs).
 - e. TSC Coordinator with the OSC (including re-entry activity status).
3. Major activities underway in other facilities.
4. Concerns or questions.

END OF ATTACHMENT 3C

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 25 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 3D
GUIDELINES FOR RELOCATION OF THE TSC
(Page 1 of 3)

If habitability of the Unit 1 Control Room is challenged (e.g., due to fire/smoke) and evacuation is required, the TSC will need to be relocated. The following guidelines are provided to assist in this endeavor.

A. Emergency Coordinator

1. Transfer the responsibilities of the EC as follows:
 - a. Classification of the emergency - NPS

NOTE

The EOF, once operational, has responsibility for recommending protective actions and for off-site notifications.

- b. Protective Action Recommendations (PARs) - NPS
 - c. Decision to notify off-site officials and the content of notification messages - NPS
 - d. Request the unaffected Control Room ANPS to support the NPS in off-site notifications.
2. Conduct a transfer of EC responsibilities with the NPS (via phone conversation) once the alternate TSC is prepared to go operational.

B. TSC Supervisor

- 1: In conjunction with the EC and the TSC HP Supervisor, determine the appropriate area to relocate the TSC. Choose one of the following:
 - a. South Service Building
 - b. Nuclear Training Center
2. Direct the evacuation by briefing TSC personnel on location, travel route, materials to take and any immediate actions prior to leaving the facility (e.g., formally terminate communications, turn off equipment, etc.)

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 26 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 3D
GUIDELINES FOR RELOCATION OF THE TSC
(Page 2 of 3)

B. (continued)

3. Re-establish command and control of TSC functions as quickly as possible.
 - a. Transfer the responsibility for off-site notifications from the unaffected Control Room (if this responsibility has not been transferred to the EOF) to the communicators in the relocated TSC.

C. All TSC Personnel

1. Formally discontinue communications.
2. Gather position notebooks and other pertinent materials.
3. Travel per the prescribed route to the alternate TSC location.
4. Assist Security in re-establishing accountability as quickly as possible.
5. Re-establish TSC functions as quickly as possible.

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 27 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 3D
GUIDELINES FOR RELOCATION OF THE TSC
(Page 3 of 3)

Suggested Arrangements and Equipment Availability at Alternate TSC Locations:

<u>Communications</u>	<u>SOUTH SERVICE BUILDING</u>	<u>NUCLEAR TRAINING CENTER</u>
HRD Phone	EP area	Simulator
ENS Phone	Any commercial phone	Any commercial phone
HPN Phone	Any commercial phone	Any commercial phone
EOF Phone	Any commercial phone	Any commercial phone
FMT Radio	EP area	Simulator
<u>Dose Assessment</u>		
Class A Model	EP area	Technical Training area second floor
<u>TSC Functions</u>		
Command and Control	EP area	Conference room and Supervisor offices second floor
Problem Solving Team	Engineering area third floor	Conference room second floor
Other	Open cubicles	Cubicles second floor

END OF ATTACHMENT 3D

/R10

/R10

/R10

/R10

/R10

REVISION NO: 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 28 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 4
TSC COMMUNICATOR CHECKLIST
(Page 1 of 4)

- NOTE**
1. This checklist applies to the following Communicator positions in the TSC:

HRD Communicator	ENS Communicator
EOF Communicator	Sound-powered Phonetalker (CR/TSC)
 2. The responsibilities of the TSC HP Communicators are provided as follows:

HPN Communicator - in HP-200, Health Physics Emergency Organization
FMT Comm/Coord - in EPIP-10, Off-site Radiological Monitoring
 3. When necessary or appropriate, steps of this checklist may be performed out of sequence.

A. FACILITY ACTIVATION

INITIAL

1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions.

- NOTE**
- Communicator positions should be filled in the following order:
1. Hot Ring Down (HRD) Phone
 2. Emergency Notification System (ENS)
 3. EOF
 4. Sound-powered Phone (CR)
 5. Sound-powered Phone (TSC)

2. Filling the position of _____

3. Review appropriate information in Attachment 4A, Communications Guidelines.

REVISION NO 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 29 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 4
TSC COMMUNICATOR CHECKLIST
(Page 2 of 4)

B. FACILITY OPERATION

1. Steps to occur continually while the facility is in operation:

HRD Communications

a. Assist the EC with State and County notifications by:

- 1. Reviewing the State Notification Form for completeness.**
- 2. As necessary, ensuring Protective Action Recommendations (PARs) match the completed PAR Worksheet (see Attachment 3, Determination of Protective Action Recommendation (PARs) in EPIP-08, Off-site Notifications and Protective Action Recommendations).**
- 3. Ensure the EC has approved the form.**

b. Transmit the notification form in accordance with Appendix B, Notifications from the Technical Support Center (TSC), EPIP-08.

c. Request the TSC EC Assist/Logkeeper log notification times.

d. Following turnover of notification responsibility to the EOF HRD Communicator, identify availability to the TSC Supervisor. Be prepared to provide assistance as requested.

ENS Communications

a. If necessary, transmit an initial NRC Notification Form in accordance with EPIP-08.

b. At an Alert or higher emergency classification, request the NRC to establish the ENS conference bridge.

c. Maintain an open line of communication and a transmission log.

d. Request the TSC EC Assist/Logkeeper:

- 1. Provide assistance in responding to requests for information from the NRC.**
- 2. Log notification times, as appropriate.**

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 30 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 4
TSC COMMUNICATOR CHECKLIST
(Page 3 of 4)

B. 1. (continued)

ENS Communications (continued)

- e. Log all questions asked by NRC.
- f. Obtain answers to questions from appropriate TSC staff member (e.g., HP, Chemistry, Reactor Engineering, etc.), as necessary.
- g. Obtain EC approval prior to providing additional information to the NRC.

EOF Communications

- a. Maintain an open line of communication with the EOF.
- b. If ERDADS is out of service, use Attachment 4B, Safety Functions Equipment Status and Radioactive Gaseous Source Terms, to obtain plant parameter and radiological data via the Sound-powered Phonetalker and share the information with the EOF (via the TSC Communicator in the EOF).
- c. Provide clarification of any discrepant information as requested by the EOF.

Sound-powered Phonetalker

- a. Provide an open line of communication between the affected Control Room and the TSC.
- b. Provide fan status for dose assessment.
- c. Provide clarification of data and/or obtain additional data as requested by the TSC.
- d. If ERDADS is out of service, use Attachment 4B, Safety Functions Equipment Status and Radioactive Gaseous Source Terms, to obtain plant parameter and radiological data.

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 31 of 82
PROCEDURE NO: EPIP-04		

ATTACHMENT 4
TSC COMMUNICATOR CHECKLIST
(Page 4 of 4)

C. FACILITY CLOSEOUT AND RESTORATION INITIAL

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

- | | | |
|----|--|-------|
| 1. | All communications links (HRD, ENS, EOF, Sound-powered phone) terminated. | _____ |
| 2. | All communications paperwork collected. | _____ |
| 3. | All phone equipment returned to pre-activation condition. | _____ |
| 4. | Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. | _____ |
| 5. | Returned position notebook to storage cabinet. | _____ |

END OF ATTACHMENT 4

REVISION NO.: 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 32 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 1 of 5)

NOTE
If communications are associated with drill or exercise, the statement "This is a drill" should precede and follow the actual message.

A. GENERAL GUIDELINES

1. Always speak clearly, firmly and with normal tone when using any communication system.
2. The sender and receiver should be clearly identified.
3. Message text:
 - a. Communication must be free of ambiguity. Slang terms should not be used. Avoid the use of words that sound alike; for example, avoid increase and decrease, use raise and lower instead.
 - b. Communications must be specific. Use noun names for plant equipment, not acronyms; for example Low Pressure Safety Injection Pump instead of LPSI.
 - c. The phonetic alphabet should be used to identify specific train, bus, channel or equipment designations, not just letter identifier; for example, refer to the 1Alpha heater drain pump, not the 1A heater drain pump. The following is the phonetic alphabet to be used:

A	Alpha	J	Juliet	S	Sierra
B	Bravo	K	Kilo	T	Tango
C	Charlie	L	Lima	U	Uniform
D	Delta	M	Mike	V	Victor
E	Echo	N	November	W	Whiskey
F	Foxtrot	O	Oscar	X	X-ray
G	Golf	P	Papa	Y	Yankee
H	Hotel	Q	Quebec	Z	Zulu
I	India	R	Romeo		

- d. The phonetic alphabet should not be used for stringed letter references, acceptable acronyms or location symbols; for example, AB bus, AC or DC, TSC, respectively.

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 33 of 82
PROCEDURE NO: EPIP-04		

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 2 of 5)

A. (continued)

4. Acknowledgement and confirmation (3-way communication) - messages shall be comprised of proper transmission, acknowledgement, and confirmation.
 - a. The message is properly transmitted from the originator to the receiver.
 - b. The message receiver should acknowledge the communication by giving functional repeat-back to the message originator. The repeat-back can be provided by either paraphrasing or explaining the message in one's own words, or by verbatim repeat-back. In all cases, verbatim repeat-back should be used for equipment identifiers.
 - c. If the message receiver does not understand the message he/she should ask for the message to be repeated.
 - d. If an incorrect repeat-back is given, the message originator should immediately correct the miscommunication with a statement such as, "WRONG", followed by restating the correct message.
 - e. The message originator should confirm the acknowledgement (repeat-back) with a statement such as, "That is correct".
5. The Call Sign should be used periodically when using the Local Government Radio (LGR).
6. Prior to transmission, ensure that information has been verified and approved by the appropriate authority, as necessary.
7. Ensure that any incoming pertinent information is provided to the TSC Supervisor and the Emergency Coordinator or designee.
8. Maintain documentation of any significant information provided or received.

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 34 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 3 of 5)

B. COMMUNICATIONS SYSTEMS

1. State Warning Point (SWP) Hot Ring Down Phone (HRD)
 - a. **This is the primary communications pathway to the State Warning Point and St. Lucie and Martin Counties.**
 - b. A self-verifying phone system which is initiated by entering the 3 digit code corresponding to the desired location of contact. The codes appear on a list in a pull-out drawer attached to the base of the phone or in the St. Lucie Plant Emergency Response Directory (ERD). A confirmation ring-back (double tone) will be heard if the dialed terminal is successfully contacted. When the party answers, begin transmission by depressing the "push-to-talk" bar in the handset. Release the "push-to-talk" bar to receive response.
2. NRC Emergency Notification System (ENS)
 - a. **This is the primary communications pathway to the NRC.**
 - b. Part of the NRC Emergency Telecommunications System (ETS). Initiate contact by dialing (direct, no access code needed) one of the phone numbers provided on the phone or in the ERD. This will become an open line of communication at the Alert or higher emergency class. The EOF will join the conference bridge.
3. EOF Direct-line Telephone
 - a. This is a direct line to the Emergency Operations Facility (EOF). Initiate contact by removing the handset from the cradle which will cause the phone in the EOF to ring. When the phone is answered, begin transmission. This link can also be initiated from the EOF.

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 35 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 4 of 5)

B. (continued)

4. Sound-powered Phone

- a. As the name implies, these phone (headsets) are powered by sound.
- b. The Unit 1 phone jack is located near the Dose Assessment Status Board; the Unit 2 phone jack is located next to the Chronology Status Board in the rear of the room.
- c. Once the headsets have been connected in both the affected Control Room and the TSC, transmission can begin by speaking into the mouthpiece.

5. Commercial Telephone

- a. **This is the first alternate communications pathway to the State Warning Point and St. Lucie, Martin Counties, and NRC.**

NOTE

An access code (i.e., 9 or 8-1) is not required when using a "direct dial" phone.

- b. Dial 9 for a Fort Pierce exchange; dial 8-1-Area Code for all other numbers. An authorization code is needed for long distance calls.

6. Emergency Satellite Communications System (ESATCOM)

- a. **This is a second alternate communications pathway to the State Warning Point and St. Lucie and Martin Counties.**
- b. To initiate transmission, lift the handset and depress the "push-to-talk" bar in the handset. Wait 3-5 seconds to hear a beep before starting to talk. The red light on the phone is a power indicator, when lit, power is available.

REVISION NO. 10	PROCEDURE TITLE. ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE. 36 of 82
PROCEDURE NO. EPIP-04		

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 5 of 5)

B. (continued)

7. Local Government Radio (LGR) - Call Sign: Kilo November Golf Romeo 8-7-4 (KNGR874).
 - a. **This is the third alternate communications pathway to the State Warning Point.**
 - b. A backup communication system to the Counties and indirectly to the State. A table radio, Motorola Command Series, provides two channels, the primary F2 (39.180 MHz, State Channel 1) and the secondary F1 (39.100 MHz, State Channel 2). Channel selection can be made by depressing the "F1/F2" button (the radio is set to monitor F2). The radio can be operated either by depressing the "transmit" button on the console or by removing the handset and depressing the "push-to-talk" bar in the handset. The "xmit" light is lit during transmission. (Preference should be given to using the handset).

8. Satellite Telephone
 - a. Instructions for use of the satellite telephone are provided in the phone's briefcase.
 - b. The phone is stored in a supply cabinet in the TSC.

END OF ATTACHMENT 4A

ATTACHMENT 4B
SAFETY FUNCTIONS EQUIPMENT STATUS - UNIT 1

(Page 1 of 4)

1

ERDADS SF1 Screen Mimic

<u>PLANT PARAMETERS</u>	<u>SAFEGUARDS</u>	<u>CONTAINMENT</u>	<u>BALANCE OF PLANT</u>
REACTOR PWR (WR) _____%	<u>PUMP STATUS</u> (ON/OFF)	PRESSURE _____ PSIG	<u>ELECTRICAL PLANT</u>
REACTOR VSL LEVEL _____%	HPSI A ON/OFF	LEVEL (NR) _____ FEET ((-7) TO 0)	4.16 KV A3 _____ VOLTS
RCS PRESSURE (NR) _____ PSIA (1500-2500)	HPSI B ON/OFF	LEVEL (WR) _____ FEET ((-1) TO 26)	4.16 KV B3 _____ VOLTS
RCS PRESSURE (LR) _____ PSIA (0-1600)	LPSI A ON/OFF	<u>TEMPERATURE</u>	<u>DIESEL GENERATORS</u>
PRESSURIZER LEVEL _____%	LPSI B ON/OFF	ATMOSPHERE _____ DEG F	D/G A _____ VOLTS
CET TEMPERATURE _____ DEG F	CHRG A ON/OFF	SUMP _____ DEG F	D/G A _____ AMPS
HOT LEG A TEMP _____ DEG F	CHRG B ON/OFF	<u>RADIATION LEVEL</u>	D/G B _____ VOLTS
HOT LEG B TEMP _____ DEG F	CHRG C ON/OFF	CHHRM _____ R/HR	D/G B _____ AMPS
COLD LEG A1 TEMP _____ DEG F	CCW A ON/OFF	POST/LOCA _____ MR/HR	<u>TANK STATUS</u>
COLD LEG A2 TEMP _____ DEG F	CCW B ON/OFF	PARTICULATE _____ CPM	RWT _____ FEET
COLD LEG B1 TEMP _____ DEG F	CCW C ON/OFF	GASEOUS _____ CPM	CST _____ FEET
COLD LEG B2 TEMP _____ DEG F	AFW A ON/OFF	<u>HYDROGEN CONCENTRATION</u>	BAMT A _____%
LMTNG SBCOOL MRGN _____ DEG F	AFW B ON/OFF	A ANALYSER _____%	BAMT B _____%
S/G A PRESSURE _____ PSIG	AFW C ON/OFF	B ANALYSER _____%	<u>HVAC STATUS (ON/OFF)</u>
S/G A LEVEL (WR) _____%	<u>AUX FEED FLOW (GPM)</u>	<u>CONTAINMENT COOLERS</u> (ON/OFF)	HVE 4A ON/OFF
S/G B PRESSURE _____ PSIG	A _____ B _____ C _____	CNTMT COOLER A ON/OFF	HVE 4B ON/OFF
S/G B LEVEL (WR) _____%	<u>HPSI FLOW (GPM)</u>	CNTMT COOLER B ON/OFF	HVE 8A ON/OFF
CNTMT PRESS (WR) _____ PSIG	A1 _____ A2 _____	CNTMT COOLER C ON/OFF	HVE 8B ON/OFF
CONTAINMENT TEMP _____ DEG F	B1 _____ B2 _____	CNTMT COOLER D ON/OFF	HVE 9A ON/OFF
	<u>LPSI FLOW (GPM)</u>		HVE 9B ON/OFF
	A1 _____ A2 _____		HVE 10A ON/OFF
	B1 _____ B2 _____		HVE 10B ON/OFF
	<u>SIT'S LEVEL (%)</u>		
	A1 _____ A2 _____		
	B1 _____ B2 _____		
	<u>SIT'S PRESS (PSIA)</u>		
	A1 _____ A2 _____		
	B1 _____ B2 _____		
	<u>SAFEGUARDS SIGNALS</u>		
	SIAS A YES / NO		
	SIAS B YES / NO		
	MSIS A YES / NO		
	MSIS B YES / NO		

ATTACHMENT 4B
RADIOACTIVE GASEOUS SOURCE TERMS - UNIT 1
(Page 2 of 4)

1

11

ERDADS RG1 Screen Mimic

WIND SPEED	10 METER	57.9 METER
WIND DIRECTION	MPH	MPH
AIR TEMP	DEG	DEG
	DEG	DEG F
	F	
DIFF TEMP		DEG F / 50 METER

<u>CHANNEL</u>	<u>MAIN STEAM</u>	<u>VALUE</u>	<u>UNITS</u>	<u>CHANNEL</u>	<u>CONTAINMENT</u>	<u>VALUE</u>	<u>UNITS</u>
05-01	A MAIN STM	_____	MR/HR	58	A HI RANGE	_____	R/HR
05-02	B MAIN STM	_____	MR/HR	59	B HI RANGE	_____	R/HR
					PRESSURE	_____	PSIG
<u>CHANNEL</u>	<u>ECCS 1A</u>	<u>VALUE</u>	<u>UNITS</u>	<u>CHANNEL</u>	<u>PLANT VENT</u>	<u>VALUE</u>	<u>UNITS</u>
02-05	LOW RANGE	_____	uC/cc	01-05	LOW RANGE	_____	uC/cc
02-07	MID RANGE	_____	uC/cc	01-07	MID RANGE	_____	uC/cc
02-09	HI RANGE	_____	uC/cc	01-09	HI RANGE	_____	uC/cc
02-10	FLOW	_____	SCFM	01-10	FLOW	_____	SCFM
<u>CHANNEL</u>	<u>ECCS 1B</u>	<u>VALUE</u>	<u>UNITS</u>	<u>CHANNEL</u>	<u>FUEL BLDG</u>	<u>VALUE</u>	<u>UNITS</u>
03-05	LOW RANGE	_____	uC/cc	04-05	LOW RANGE	_____	uC/cc
03-07	MID RANGE	_____	uC/cc	04-07	MID RANGE	_____	uC/cc
03-09	HI RANGE	_____	uC/cc	04-09	HI RANGE	_____	uC/cc
03-10	FLOW	_____	SCFM	04-10	FLOW	_____	SCFM

ATTACHMENT 4B
RADIOACTIVE GASEOUS SOURCE TERMS - UNIT 2
 (Page 3 of 4)

2

ERDADS SF2 Screen Mimic

<u>PLANT PARAMETERS</u>	<u>SAFEGUARDS</u>	<u>CONTAINMENT</u>	<u>BALANCE OF PLANT</u>
REACTOR POWER (WR) _____	<u>PUMP STATUS</u> (ON/OFF)	PRESSURE _____ PSIG	<u>ELECTRICAL PLANT</u>
RX VSL HEAD LEVEL _____%	HPSI A ON/OFF	LEVEL (NR) _____ FEET ((-7) TO 0)	4 16 KV A3 _____ VOLTS
RX VSL PLENUM LEVEL _____%	HPSI B ON/OFF	LEVEL (WR) _____ FEET ((-1) TO 26)	4.16 KV B3 _____ VOLTS
RCS PRESSURE (NR) _____ PSIA (1500-2500)	LPSI A ON/OFF	<u>TEMPERATURE</u>	<u>DIESEL GENERATORS</u>
RCS PRESSURE (LR) _____ PSIA (0-750)	LPSI B ON/OFF	ATMOSPHERE _____ DEG F	D/G A _____ VOLTS
PRESSURIZER LEVEL _____%	CHRG A ON/OFF	SUMP _____ DEG F	D/G A _____ AMPS
CET TEMPERATURE _____ DEG F	CHRG B ON/OFF	<u>RADIATION LEVEL</u>	D/G B _____ VOLTS
HOT LEG A TEMP _____ DEG F	CHRG C ON/OFF	CHHRM _____ R/HR	D/G B _____ AMPS
HOT LEG B TEMP _____ DEG F	CCW A ON/OFF	POST/LOCA _____ MR/HR	<u>TANK STATUS</u>
COLD LEG A1 TEMP _____ DEG F	CCW B ON/OFF	PARTIC _____ CPM	RWT _____ FEET
COLD LEG A2 TEMP _____ DEG F	CCW C ON/OFF	GASEOUS _____ CPM	CST _____ FEET
COLD LEG B1 TEMP _____ DEG F	AFW A ON/OFF	<u>HYDROGEN CONCENTRATION</u>	BAMT A _____%
COLD LEG B2 TEMP _____ DEG F	AFW B ON/OFF	A ANALYSER _____%	BAMT B _____%
LMTNG SBCOOL MRGN _____ DEG F	AFW C ON/OFF	B ANALYSER _____%	<u>HVAC STATUS (ON/OFF)</u>
S/G A PRESSURE _____ PSIG	<u>AUX FEED FLOW (GPM)</u>	<u>CONTAINMENT COOLERS</u> (ON/OFF)	HVE 4A ON/OFF
S/G A LEVEL (WR) _____%	A _____ B _____ C _____	CNTMT COOLER A ON/OFF	HVE 4B ON/OFF
S/G B PRESSURE _____ PSIG	<u>HPSI FLOW (GPM)</u>	CNTMT COOLER B ON/OFF	HVE 8A ON/OFF
S/G B LEVEL (WR) _____%	A1 _____ A2 _____	CNTMT COOLER C ON/OFF	HVE 8B ON/OFF
CNTMT PRESS (WR) _____ PSIG	B1 _____ B2 _____	CNTMT COOLER D ON/OFF	HVE 9A ON/OFF
CONTAINMENT TEMP _____ DEG F	<u>LPSI FLOW (GPM)</u>		HVE 9B ON/OFF
	A1 _____ A2 _____		HVE 10A ON/OFF
	B1 _____ B2 _____		HVE 10B ON/OFF
	<u>SIT'S LEVEL (%)</u>		
	A1 _____ A2 _____		
	B1 _____ B2 _____		
	<u>SIT'S PRESS (PSIA)</u>		
	A1 _____ A2 _____		
	B1 _____ B2 _____		
	<u>SAFEGUARDS SIGNALS</u>		
	SIAS A YES / NO		
	SIAS B YES / NO		
	MSIS A YES / NO		
	MSIS B YES / NO		

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 40 of 82
PROCEDURE NO. EPIP-04		

ATTACHMENT 4B
RADIOACTIVE GASEOUS SOURCE TERMS - UNIT 2
 (Page 4 of 4)

2

11

ERDADS RG2 Screen Mimic

	10 METER	57.9 METER
WIND SPEED	_____ MPH	_____ MPH
WIND DIRECTION	_____ DEG	_____ DEG
CURRENT TEMP	_____ DEG F	_____ DEG F
DIFF TEMP	_____ DEG F	

<u>CHANNEL</u>	<u>MAIN STEAM</u>	<u>VALUE</u>	<u>UNITS</u>	<u>CHANNEL</u>	<u>CONTAINMENT</u>	<u>VALUE</u>	<u>UNITS</u>
631	A MAIN STM	_____	MR/HR	40	A HI RANGE	_____	R/HR
632	B MAIN STM	_____	MR/HR	41	B HI RANGE	_____	R/HR
633	BACKGROUND	_____	MR/HR		PRESSURE	_____	PSIG
<u>CHANNEL</u>	<u>ECCS 2A</u>	<u>VALUE</u>	<u>UNITS</u>	<u>CHANNEL</u>	<u>PLANT VENT</u>	<u>VALUE</u>	<u>UNITS</u>
601	LOW RANGE	_____	uC/cc	621	LOW RANGE	_____	uC/cc
602	MID RANGE	_____	uC/cc	622	MID RANGE	_____	uC/cc
603	HI RANGE	_____	uC/cc	623	HI RANGE	_____	uC/cc
604	EFFLUENT	_____	uC/SEC	624	EFFLUENT	_____	uC/SEC
<u>CHANNEL</u>	<u>ECCS 2B</u>	<u>VALUE</u>	<u>UNITS</u>				
611	LOW RANGE	_____	uC/cc				
612	MID RANGE	_____	uC/cc				
613	HI RANGE	_____	uC/cc				
614	EFFLUENT	_____	uC/SEC				

END OF ATTACHMENT 4B

REVISION NO.: 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 41 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 5
TSC ERDADS OPERATOR CHECKLIST
(Page 1 of 2)

NOTE

When necessary or appropriate, steps of this checklist may be performed out of sequence.

A. FACILITY ACTIVATION INITIAL

1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions. _____

B. FACILITY OPERATION

CAUTION

Ensure data is being collected for the affected unit. Each unit has predesignated ERDADS terminals.

1. Check out ERDADS terminals and determine operability status. _____

If ERDADS is inoperable or printouts are not available, Then assist the Sound-powered Phonetalker in collecting plant parameter and radiological data by completing Attachment 4B, Safety Functions Equipment Status and Radioactive Gaseous Source Terms.

2. Steps to occur continually while the facility is in operation:
 - a. Call up EPIP screens and additional data as requested, refer to Attachment 5A, ERDADS Data Acquisition.
 - b. Provide the following printouts to the TSC Administrative Staff.
 1. Safety Functions Equipment Status (SF 1/2).
 2. Radioactive Gaseous Source Terms (RG 1/2).
 3. Other screens as requested.
 - c. Support dose assessment by providing requested data from ERDADS.

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 42 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 5
TSC ERDADS OPERATOR CHECKLIST
(Page 2 of 2)

B. 2. (continued) INITIAL

- d. Observe ERDADS data during interval between report printing for significant changes and trends, report changes to appropriate members of the TSC staff.
- e. Refer to Attachment 5B, ERDADS Data Points, for a description of ERDADS data points.

C. FACILITY CLOSEOUT AND RESTORATION

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

- 1. ERDADS system returned to preactivation condition. _____
- 2. Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. _____
- 3. Returned position notebook to storage cabinet. _____

END OF ATTACHMENT 5

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 43 of 82
PROCEDURE NO: EPIP-04		

ATTACHMENT 5A
ERDADS DATA ACQUISITION
(Page 1 of 3)

I. DATA ACQUISITION

A. ERDADS - Emergency Response Data Acquisition and Display System, the following information is available on the display screens indicated.

1. Meteorological Data -

Display: **SMD** (Site Meteorological Data)

2. Plant Parameter Data -

CAUTION

Certain parameters (e.g., fan status) available on Unit 2 are NOT available on Unit 1.

Display: in the TSC - **SF (1/2)** (Safety Functions and Equipment Status)

3. Radiological Data -

Display: **RG (1/2)** (Radiation Gaseous Source Terms) **RBS** (Health Physics Evaluation Screen - containment radiation levels and trends) **R11** (Area Radiation Monitors, Unit 1) **R21** (Area Radiation Monitors, Unit 2)

4. Chemistry Data -

Display: **R12** (S/G Blowdown, Steam Jet Air Ejector, Unit 1)
R22 (S/G Blowdown, Steam Jet Air Ejector, Unit 2)

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 44 of 82
PROCEDURE NO: EPIP-04		

ATTACHMENT 5A
ERDADS DATA ACQUISITION
(Page 2 of 3)

I. DATA ACQUISITION (continued)

A. (continued)

5. To access data -

- a. Press "CLEAR"
- b. Type in "Pup Unit (1/2)"
- c. Press "EXEC"ute, top of screen will read "Unit change is complete" or "Current Unit is same as entered Unit"
- d. Press "EPIP"
- e. The "PAGE UP" and "PAGE DOWN" keys will cause the following display sequence:

SMD - RG (1/2) - SF (1/2) - RBS - EF (1/2) - SMD

6. To go directly to a screen -

- a. Press "CLEAR"
- b. Type in screen designation, e.g., "RG1"
- c. Press "DISPLAY"

B. Sound-powered Phonetalker - The Sound-powered Phonetalker can be utilized as a primary source of information or as an alternate method to ERDADS.

1. Primary source - status of fans needed for dose assessment exhaust fans 6, 7, 8, 9, 10, 15, 16 and 17.

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 45 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 5A
ERDADS DATA ACQUISITION
(Page 3 of 3)

II. ERDADS - COLOR/SYMBOL CONVENTIONS

<u>Color/Symbol</u>	<u>Explanation</u> ¹
Numeric value in white on dark green background	Data value is valid and within the instrument range.
Numeric value blinking (yellow on blue/red on white)	Value may be yellow on blue background (urgent alarm) or red on white background (critical alarm), indicates an alarm setting has been exceeded, the alarm must be acknowledged in the Control Room (operators are unable to acknowledge ERDADS alarms in the Simulator Control Room), the value will continue to blink until acknowledged; the value will continue to update.
"BAD" (blue on white)	Preceded by a numeric value in white on a blue background signifying a suspect value indicating that one or several inputs to this composite point is/are out of instrument range, when all inputs to the point are out of range the word "BAD" replaces the numeric value.
"FAILED"	Point is from a single instrument and the value is out of range.
"NO DATA"	Point does not have input to ERDADS, usually point available on one unit, but not the other.

¹Based on Table 4.1 in the ERDADS Reactor Operator's Manual (8770-12058)

END OF ATTACHMENT 5A

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 46 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 5B
ERDADS DATA POINTS
(Page 1 of 8)

The following data point descriptions for St. Lucie Plant correspond with the data normally tracked on the plant parameters status board. Consult ERDADS Manual, as necessary, for verification of point IDs, point names or description information.

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES
Avg RCS T Hot (HLA and HLB) (deg F)	QTA541-1/2		Average	This parameter is the average of the "A" and "B" steam generator inlet temperature. It is also referred to as the average hot leg temperature. The individual "A" and "B" hot leg temperatures are derived by choosing between current narrow and wide range sensor values. The choice depends on the current values, qualities and direction of the rates of change of the instrumentation values, as well as two pairs of overlapping switching limits and the most recent range utilized. The outputs from the calculation consist of the choice of range, the associated value and rate of change together with the quality of each.
RCS Pressure WR (psia)	QA0501-1/2	RCS Pressure	Average	This parameter is a Reactor Coolant System (RCS) wide range instrument. It derived from Pressurizer Pressure signals PT1107-2 and PT1108-2 which are linear. These signals are processed by an average with expanded quality algorithm. This function obtains the average of all values with a good status. It also sets the quality of the result based on the number of values with good status, versus the total number of inputs. The possible status values are. <ul style="list-style-type: none"> • Greater than 50% of inputs have good status, result is good • Only one good value and the total inputs are 3 or more, the result is poor. • When there are no good data values, but there are some with poor or suspect, the result is poor • The result is suspect for all other cases except all bad, in this case the result is bad

REVISION NO: 10	PROCEDURE TITLE. ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 47 of 82
PROCEDURE NO: EPIP-04		

**ATTACHMENT 5B
ERDADS DATA POINTS**
(Page 2 of 8)

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES
RCS Pressurizer Level (%)	QA0001-1/2	PRZR LVL	Average	<p>This parameter is pressurizer level. It is derived from Pressurizer Level control signals LT1110X-2 and LT1110Y-2 which are linear. These two signals are processed by an average with expanded quality algorithm. This function obtains the average of all values with a good status. It also sets the quality of the result based on the number of values with good status, versus the total number of inputs. The possible status values are:</p> <ul style="list-style-type: none"> • Greater than 50% of all inputs have good status, result is good • Only one good value and the total inputs are 3 or more, the result is poor. • When there are no good data values, but there are some with poor or suspect, the result is poor. • The result is suspect for all other cases except all bad, in this case the result is bad <p>The top of the heaters is 73 98 inches above the lower top centerline</p>
Charging Flow to Regen Hx (GPM)	FT2212-1/2	RCS CHG/MU	N/A	<p>This parameter is reactor coolant system makeup flow. It is converted to engineering units using a linear equation.</p>
Subcooling Margin (deg F)	QA0005-1/2	Submargin	Minimal	<p>This parameter is derived from eight subcooled values, TMARHEAD-A-1/2, TMARRCS-B-1/2, TMARUR-A-1/2, TMARHEAD-B-1/2, TMARCET-A-1/2, TMARUR-B-1/2, TMARRCS-A-1/2 and TMARCET-B-1/2, which are provided by the Qualified Safety Parameter Display System (QSPDS). They are processed by a signal processing minimum algorithm. This function finds the highest usable data value in a specified group. Each data value of the group and its quality is examined and the following quantities are obtained:</p> <ol style="list-style-type: none"> 1. Lowest usable data value, 2. Point number of the lowest usable data value, 3. Number of usable data values, and 4. Lowest quality of the usable data <ul style="list-style-type: none"> • For two or more usable data values, the result is the highest usable value and the quality is the lowest quality of the usable data • For only one usable data value, the result is set to that value and the quality is poor. • For no usable data, the value of the result is set to the highest of all the (bad) data and the quality is bad

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 48 of 82
PROCEDURE NO.. EPIP-04		

ATTACHMENT 5B
ERDADS DATA POINTS
(Page 3 of 8)

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES
Avg Core Exit Temperature (deg. F)	QA0003-1/2	Temp Core Ex.	Average	<p>This parameter is derived from 45 Unit 1 detectors, or 56 Unit 2 detectors located just above the upper fuel alignment plate. The Qualified Safety Parameter Display System (QSPDS) provides the values. They are processed by an average with expanded quality algorithm. This function obtains the average of all values with a good status. It also sets the quality of the result based on the number of values with good status, versus the total number of inputs. The possible status values are:</p> <ul style="list-style-type: none"> • Greater than 50% of all inputs have good status, result is good. • Only one good value and the total inputs are 3 or more, the result is poor. • When there are no good data values, but there are some with poor or suspect, the result is poor • The result is suspect for all other cases except all bad, in this case the result is bad.
Reactor Vessel Level (%)	Unit 1: QA0004-1 Unit 2: RLEV H-2 RLEV P-2		Minimum	<p>The reactor vessel level for Unit 1 QA0004-1 is derived from the reactor vessel levels RLEV-A-1 and RLEV-B-1 which are provided by the Qualified Safety Parameter Display System. The ERDADS select the lowest of the two values. For only one good data value, the result is set to that value and the quality is poor.</p> <p>The reactor vessel level for Unit 2 is displayed as reactor plenum level RLEVPB-2 and reactor head level RLEVHB-2 which is provided by the "B" side Qualified Safety Parameter Display System (QSPDS). These two parameters are displayed with no calculations being performed by the ERDADS computer system.</p> <p>The QSPDS obtains these values from the heated and unheated junction thermocouples located inside the reactor. They are positioned between the head and upper fuel alignment plate in the reactor internals.</p>

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 49 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 5B
ERDADS DATA POINTS
(Page 4 of 8)

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES			
Reactor Vessel Level % (continued)				Unit 1 Level Information Head and Plenum together			
					Location* (* in. to fuel)	Level	Value if
				<u>Sensor</u>	<u>alignment plate)</u>	<u>Segment (%)</u>	<u>Uncovered (%)</u>
				None			100
				1	186 ¼	20	80
				2	144 3/8	19	61
				3	108	18	43
				4	71 5/8	14	29
				5	50 5/8	10	19
				6	29 5/8	7	12
				7	19 5/8	5	7
8	10 5/8	7	0				
				Unit 2 Level Information Head and Plenum together			
					Location* (* in. to fuel)	Level	Value if
				<u>Sensor</u>	<u>alignment plate)</u>	<u>Segment (%)</u>	<u>Uncovered (%)</u>
				None			100
				1	170 ½	52	48
				2	140 ¾	28	20
				3	111 1/8	20	0
				None			100
				4	98 5/8	18	82
				5	74 5/8	21	61
				6	53 5/8	20	41
7	32 5/8	19	22				
8	12 5/8	22	0				

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 50 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 5B
ERDADS DATA POINTS
(Page 5 of 8)

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES
HPSI Total Flow (GPM)	HSITTLF-1/2	HPSI Flow	Sum	This parameter measures total HPSI flow and is derived from HPSI Header Flow signals FT3311-1/2, FT3321-1/2, FT3331-1/2 and FT3341-1/2 which are square roots. The signals are processed with a sum of inputs algorithm. This function obtains the algebraic sum of values with a good status.
LPSI Total Flow (GPM)	QA0908-1/2	LPSI Flow	Sum	This parameter measures total LPSI flow and is derived from LPSI Header Flow signals FT3312-1/2, FT3322-1/2, FT3332-1/2 and FT3342-1/2 which are square roots. These signals are processed by an algorithm which provides a sum of the inputs. This function obtains the algebraic sum of values with a good status.
Containment Temp. (deg F)	TE07-3B-1/2	Cntmnt Temp	N/A	This parameter is a containment temperature instrument. It is converted to engineering units using a linear equation.
Containment Pressure WR (psig)	QA0507-1/2	Cntmnt Press	Average	This parameter measures containment pressure and is a wide range indicator. It is derived from Wide Range Containment Pressure signals PT07-4A1-1/2 and PT07-4B1-1/2 which are linear. They are processed by an average with expanded quality algorithm. This function obtains the average of all values with a good status. It also sets the quality of the result based on the number of values with good status, versus the total number of inputs. The possible status values are: <ul style="list-style-type: none"> • Greater than 50% of all inputs have good status, result is good • Only one good value and the total inputs are 3 or more, the result is poor. • When there are no good data values, but there are some with poor or suspect, the result is poor. • The result is suspect for all other cases except all bad, in this case the result is bad

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 51 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 5B
ERDADS DATA POINTS
(Page 6 of 8)

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES
Containment Sump Level WR (Ft)	QA0008-1/2	Contmnt Smp WR	Maximum	<p>This parameter is a containment sump wide range instrument. It is derived from Containment Sump Level signals LT07-13A-1/2 and LT07-13B-1/2 which are linear. They are processed by a signal auctioneering maximum algorithm. This function finds the highest usable data value in the specified group. Each data value of the group and its quality is examined and the following rules are used</p> <ul style="list-style-type: none"> For two or more usable data values, the result is the highest usable data value and the quality is the lowest quality of the usable data For only one usable data value, the result is set to that value and the quality is poor. For no usable data, the value of the result is set to the highest of all the (bad) data and the quality is bad
Containment Hydrogen (%)	CH2-1/2	H2 Conc	Average	<p>This parameter is a containment hydrogen average concentration measurement. It is derived from Hydrogen Concentration signals A-HYDROGEN-1/2 and B-HYDROGEN-1/2 which are linear. These signals are processed by an average with expanded quality algorithm. This function obtains the average of all values with a good status. It also sets the quality of the result based on the number of values with good status, versus the total number of inputs. The possible status values are</p> <ul style="list-style-type: none"> Greater than 50% of all inputs have good status, result is good Only one good value and the total inputs are 3 or more, the result is poor.
SG Level A WR (%)	LT9012-1/2	SG Level A	N/A	<p>This parameter is the "A" steam generator wide range level instrument. It is converted to engineering units using a linear equation. LTCL = Lower Tap Center Line. The lower tap is 19.5 inches above the bottom of the U tubes.</p>
SG Level B WR (%)	LT9022-1/2	SG Level B	N/A	<p>This parameter is the "B" steam generator wide range level instrument. It is converted to engineering units using a linear equation. LTCL = Lower Tap Center Line. The lower tap is 19.5 inches above the bottom of the U tubes.</p>

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 52 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 5B
ERDADS DATA POINTS
(Page 7 of 8)

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES
SG Pressure A (psig)	QA0021-1/2	SG Pres /A	Redundant Sensor Algorithm	This parameter is the "A" steam generator pressure. It is derived from three Steam Generator Pressure Signals, PT8013A-1/2, PT8013B-1/2 and PT8013C-1/2, which are linear. These signals are processed by a redundant sensor algorithm. This function obtains the average of the current values that have a good status and are close to the statistical majority
SG Pressure B (psig)	QA0022-1/2	SG Pres /B	Redundant Sensor Algorithm	This parameter is the "B" steam generator pressure. It is derived from three Steam Generator Pressure Signals, PT8023A-1/2, PT8023B-1/2 and PT8023D-1/2, which are linear. These signals are processed by a redundant sensor algorithm. This function obtains the average of the current values that have a good status and are close to the statistical majority
Refueling Water Tank Avg Level (Ft.)	RWTAL-1/2	BWST Level	Average	This parameter measures refueling water tank level. It is derived from three inputs. They are LT07-2A-1/2, LT07-2B-1/2 and LT07-2C-1/2. These points are processed by an average with expanded quality algorithm. This function obtains the average of all values with a good status. It also sets the quality of the result based on the number of values with good status, versus the total number of inputs. The possible status values are <ul style="list-style-type: none"> • Greater than 50% of all inputs have good status, result is good • Only one good value and the total inputs are 3 or more, the result is poor. • When there are no good data values, but there are some with poor or suspect, the result is poor. • The result is suspect for all other cases except all bad, in this case the result is bad <p>Tank bottom refers to zero gallons.</p>

REVISION NO.: 10	PROCEDURE TITLE. ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 53 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 5B
ERDADS DATA POINTS
(Page 8 of 8)

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES
CHRRM. Channel (R/HR)	Unit 1:	Cntrmt Rad	Maximum	The high containment radiation instruments for Unit 1 are the "A" side monitor RE 26-58-1 and the "B" side monitor RE 26-59-1. These monitors are only range checked and flagged bad if out of range Both detectors are located at the 90 foot containment elevation and are positioned at 0 and 180 degrees
	RE 26-58-1 (A Channel)			
	RE 26-59-1 (B Channel)			
	Unit 2:			
	RIM 26-40-2 (A Channel)			The high containment radiation instruments for Unit 2 are the "A" side monitor RIM 26-40-2 and the "B" side monitor RIM 26-41-2. These monitors are only range checked and are flagged bad if out of range Both detectors are located at the 90 foot containment elevation and are positioned at 0 and 180 degrees.
	RIM 26-41-1 (B Channel)			

END OF ATTACHMENT 5B

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 54 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 6
TSC ADMINISTRATIVE STAFF CHECKLIST
(Page 1 of 4)

NOTE
When necessary or appropriate, steps of this checklist may be performed out of sequence.

- | A. <u>FACILITY ACTIVATION</u> | <u>INITIAL</u> |
|---|-----------------------|
| 1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions. | _____ |
| 2. Verify procedures by posting revision numbers on the status board. Post all procedures (EPIP, HP, Chem.). Consult Control Copy 5 in the TSC document cabinets or follow the steps below to print out an EPIP list: | _____ |
| a. On the Nuclear Notes Page, PSL Notes Applications, CLICK on "Procedures". | |
| b. On the PSL Documents page, CLICK on "Procedures". | |
| c. On the "Search" toolbar, CLICK the far right tab labeled "More". | |
| d. In the lower middle portion of the expanded "Search" toolbar, CLICK on "Load Search". | |
| e. SELECT "Group Search (Shared)" from the drop down menu. | |
| f. In the "Search for" line, TYPE "EP" (where the "XX" is). | |
| g. CLICK on "Search" or HIT "Enter". | |
| h. EPIP list is now displayed (procedures are not in any particular order). | |
| i. To print the list, Click on "Print Index". | |
| 3. Telecopy the EC Log, completed notification forms and checklists, and any other pertinent information to the EOF. | _____ |

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE. 55 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 6
TSC ADMINISTRATIVE STAFF CHECKLIST
(Page 2 of 4)

A. FACILITY ACTIVATION (continued) INITIAL

4. ESTABLISH the Videolink as follows: _____
- a. Using the key on the keychain labeled "Videolink" in the administrative supplies, UNLOCK the electronic cabinet in the Problem Solving Team area.
 - b. DIAL the leftmost dial (#1), on the Shure Professional Microphone Mixer, to zero. This will eliminate the "test tone".
 - c. DIAL the TSC PA Volume dial on the Radio Shack TSC PA Controller to the second or third setting (dot) to establish microphone volume level.
 - d. SET the television to channel 13 to monitor the videolink in the TSC.

B. FACILITY OPERATION

NOTE

Information should be updated every 15-30 minutes and not longer than 60 minutes.

1. Synchronize the facility clock(s) with ERDADS. In case of ERDADS failure, synchronize with the affected Control Room.
2. Steps to occur continually while the facility is in operation:
 - a. Obtain the following ERDADS data sheets (printouts) from the ERDADS Operator:
 1. Safety Functions Equipment Status (SF 1/2).
 2. Radioactive Gaseous Source Terms (RG 1/2).
 - b. Update status boards with new ERDADS data.
 - c. Request the sound-powered phonetalker to obtain any information/data not provided by the ERDADS printouts.

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 56 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 6
TSC ADMINISTRATIVE STAFF CHECKLIST
(Page 3 of 4)

B. FACILITY OPERATION (continued) INITIAL

2. (continued)

- d.** Verify all data has been accurately transferred to the status board.
- e.** Update the sequence of events board following each facility briefing and as needed. Provide relevant information concerning items such as:
 - 1.** Change in classification.
 - 2.** Significant change in plant condition.
 - 3.** Status of plant system(s) of concern.
 - 4.** Injured personnel status.
 - 5.** Other items of relevant interest.
- f.** Update dose assessment and field monitoring data as information is provided by Chemistry and HP, respectively.
- g.** Make corrections, when identified, by circling the corrected data.
- h.** When all status board columns/blanks are filled, erase the first two columns/blanks, enter new data with a different colored marker leaving a space between the new and the old data.
- i.** Provide any incoming telecopy materials to the TSC Supervisor or as designated on the cover page.

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 57 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 6
TSC ADMINISTRATIVE STAFF CHECKLIST
(Page 4 of 4)

C. FACILITY CLOSEOUT AND RESTORATION INITIAL

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

1. Status boards have been cleaned and returned to preactivation condition. _____
2. Videolink has been terminated as follows:
 - a. DIAL the TSC PA Volume dial on the Radio Shack TSC PA Controller to the minimum setting.
 - b. DIAL the leftmost dial (#1) on the Shure Professional Microphone Mixer to about 8.5 to establish the "test tone". The needle on the VU Gauge should be just into the red area for adequate "test tone" level.
 - c. SET the television to the FPL channel.
 - d. LOCK the electronics cabinet and RETURN key to the administrative supplies box.
3. Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. _____
4. Returned position notebook to storage cabinet. _____

END OF ATTACHMENT 6

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 58 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 7
TSC COORDINATOR WITH OSC CHECKLIST
(Page 1 of 1)

<p><u>NOTE</u> When necessary or appropriate, steps of this checklist may be performed out of sequence.</p>
--

A. FACILITY ACTIVATION **INITIAL**

1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions. _____

B. FACILITY OPERATION

1. Establish contact with the OSC Coordinator with the TSC (in the OSC). _____
2. Steps to occur continually while the facility is in operation:
- a. Track all requests for Re-entry Teams using Attachment 7A, Re-entry Log.
 - b. Communicate re-entry requests to the OSC Coordinator with the TSC per Attachment 7A, Re-entry Log.
 - c. Update the OSC Status Board with Re-entry Team information.

C. FACILITY CLOSEOUT AND RESTORATION

<p><u>NOTE</u> All paperwork completed in the position notebook should remain in the position notebook.</p>
--

1. Closed out all Re-entry Teams entered in the Re-entry Team Log and the status board. _____
2. Status board has been cleaned and returned to preactivation condition. _____
3. Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. _____
4. Returned position notebook to storage cabinet. _____

END OF ATTACHMENT 7

REVISION NO : 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 59 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 7A
RE-ENTRY LOG
(Page 1 of 1)

TASK REQUEST (TSC)
The TSC fills in this section and communicates the information to the OSC.

Investigate Repair Other

A. Description

B. EC Review / Approval, as necessary.

C. TSC Contact: _____ Phone: _____

TEAM ASSIGNMENT (OSC)
The OSC fills in this section and communicates the information to the TSC.

D. Team No: _____ E. Re-entry Supv.: _____

F. Time Out: _____ G. Time In: _____

TASK REQUEST (TSC)
The TSC fills in this section and communicates the information to the OSC.

Investigate Repair Other

A. Description

B. EC Review / Approval, as necessary.

C. TSC Contact: _____ Phone: _____

TEAM ASSIGNMENT (OSC)
The OSC fills in this section and communicates the information to the TSC.

D. Team No: _____ E. Re-entry Supv.: _____

F. Time Out: _____ G. Time In: _____

/R10

/R10

/R10

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 60 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 8
TSC OPS COORDINATOR CHECKLIST
(Page 1 of 4)

NOTE

1. This position is filled by two persons, one located in the affected Control Room, the other in the TSC. The position in the Control Room is also known as the NPS Communicator.
2. When necessary or appropriate, steps of this checklist may be performed out of sequence.

A. FACILITY ACTIVATION

INITIAL

NOTE

The first person to arrive at the TSC should report to the affected Control Room to relieve the Duty Call Supervisor.

1. Filling position in: _____
2. (TSC position only) Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions. _____

B. FACILITY OPERATION

1. Establish communications with counterpart. _____
2. In the TSC, establish the OPS Conference Bridge as follows:
 - a. Obtain contact phone numbers for:
 1. OPS Coordinator in the Control Room _____
 2. OSC OPS Re-entry Supervisor _____
 3. Problem Solving Team _____
 4. Other participant _____
 - b. Call the OPS Coordinator
 1. State: "stay on the line"
 2. Depress the conference button

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 61 of 82
PROCEDURE NO: EPIP-04		

ATTACHMENT 8
TSC OPS COORDINATOR CHECKLIST
(Page 2 of 4)

- | | | | |
|-----------|-----------|-------------|----------------|
| B. | 2. | (continued) | <u>INITIAL</u> |
|-----------|-----------|-------------|----------------|
- c. Call the OSC OPS Re-entry Supervisor
 - 1. State: "stay on the line"
 - 2. Depress the conference button
 - d. Call the Problem Solving Team
 - 1. State: "press handsfree/mute button"
 - 2. Depress the conference button
 - e. Call any other participant
 - 1. State: "stay on the line"
 - 2. Depress the conference button
 - f. Hail all parties to verify bridge successfully established.
- 3.** Initiate the OPS Logbook. (TSC only) _____
- 4.** Steps to occur continually while the facility is in operation:
- TSC
- a. Provide expertise in plant operations to the EC.
 - b. Maintain communication flow between the TSC and the affected Control Room concerning status of operations.
 - c. Maintain OPS Logbook.

REVISION NO : 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 62 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 8
TSC OPS COORDINATOR CHECKLIST
(Page 3 of 4)

B. 4. (continued) INITIAL

- d. Severe Accident Management Guidelines (SAMG) actions**
1. Perform evaluations in accordance with ADM-17.09, Invoking 10 CFR 50.54(x), as needed.
 2. Review/approve actions as outlined in Attachment 12B, Problem Solving Team Worksheet.
 3. Communicate SAMG actions to the affected Control Room(s).

Control Room

- a. Provide communications assistance to the NPS.
- b. Monitor procedure use and keep the TSC informed.
- c. Investigate questions/concerns as requested by the TSC.
- d. Update the unaffected unit's Control Room with emergency status.
- e. Gather Severe Accident Management Guidelines (SAMG) instructions/information from the TSC OPS Coordinator.
 1. If the TSC is unable to telecopy, Then use Attachment 12B, Problem Solving Team Worksheet, to record SAMG instructions/ information.
- f. Communicate SAMG actions to the NPS.
- g. Provide feedback to the TSC OPS Coordinator regarding SAMG actions.

REVISION NO : 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE. 63 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 8
TSC OPS COORDINATOR CHECKLIST
(Page 4 of 4)

C. FACILITY CLOSEOUT AND RESTORATION INITIAL

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

- | | | |
|----|--|-------|
| 1. | Phone connection terminated. | _____ |
| 2. | Closed out the OPS Logbook. | _____ |
| 3. | Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. | _____ |
| 4. | Returned position notebook to storage cabinet. | _____ |

END OF ATTACHMENT 8

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 64 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 9
TSC REACTOR ENGINEER CHECKLIST
(Page 1 of 3)

<p><u>NOTE</u> When necessary or appropriate, steps in this checklist may be performed out of sequence.</p>
--

- | | | |
|----|--|----------------|
| A. | <u>FACILITY ACTIVATION</u> | <u>INITIAL</u> |
| | 1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions. | _____ |
| B. | <u>FACILITY OPERATION</u> | |
| | 1. Establish the ERDADS link with the NRC Emergency Response Data System (ERDS) (use Attachment 9A, Initiating and Terminating the ERDS Link). | _____ |

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 65 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 9
TSC REACTOR ENGINEER CHECKLIST
(Page 2 of 3)

B. (continued)

INITIAL

2. Steps to occur continually while the facility is in operation:

CAUTION

Be aware of the following conditions. These Emergency Action Levels (EALs) are associated with Initiating Conditions (ICs) used in the classification of emergencies (EPIP-01, Classification of Emergencies). The Emergency Coordinator needs to know if any of these conditions exist.

1. Dose Equivalent Iodine (DEQ) I-131 activity greater than 275 μ Ci/ml.
2. CHHRM readings greater than 7.3E+03 R/hr OR greater than 1.46E+05 R/hr.
3. Post LOCA Monitor readings greater than 100 mR/hr OR greater than 1000 mR/hr.
4. Step increase in radiation monitor readings in the Plant Vent and/or Fuel Handling Building.
5. Loss of subcool margin resulting in saturated conditions.
6. Highest Core Exit Thermocouple (CET) per core quadrant indicates greater than 10°F superheat or 700°F.
7. Damage to more than one irradiated fuel assembly.
8. Uncovering of one or more irradiated fuel assemblies in the Spent Fuel Pool.

- a. Monitor critical plant parameters for indications of core status.
- b. Assist Nuclear Fuels personnel in the EOF in the assessment of core damage in accordance with EPIP-11, Core Damage Assessment.
- c. Assist in Severe Accident Management Guidelines (SAMG) activities as a SAMG Evaluator.

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 66 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 9
TSC REACTOR ENGINEER CHECKLIST
(Page 3 of 3)

C. FACILITY CLOSEOUT AND RESTORATION INITIAL

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

- | | | |
|----|--|-------|
| 1. | Core damage assessment activities terminated. | _____ |
| 2. | Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. | _____ |
| 3. | Returned position notebook to storage cabinet. | _____ |

END OF ATTACHMENT 9

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 67 of 82
PROCEDURE NO. EPIP-04		

ATTACHMENT 9A
INITIATING AND TERMINATING THE ERDS LINK
(Page 1 of 2)

NOTE

There is a laminated card in the supply box for the Problem Solving Team that provides the password and keystrokes for initiating and terminating the ERDS Link.

This attachment provides the instructions for initiating and terminating the communications link between the St. Lucie Emergency Response Data Acquisition and Display System (ERDADS) and the NRC Emergency Response Data System (ERDS). This communications link must be activated not later than one hour after declaring an emergency class of ALERT or higher. If communications cannot be established then the accepted method of data transmission to the NRC will be through the Emergency Notification System (ENS).

INITIATING the ERDS communication link:

1. At any TSC ERDADS terminal clear the display screen by depressing the CLEAR key.
2. Log on to ERDADS by typing in PSW ## XXXXXXXX (the Xs stand for the password issued to Operations Support Engineering). Then depress the EXEC key.
3. Clear the screen with the CLEAR key and select the desired St. Lucie Unit by typing PUP UNIT X (the X will be either a 1 or 2 depending on the unit). Then depress the EXEC key.
4. Clear the screen by depressing the CLEAR key and type in ERD and depress the DSPLY key. This will display the ERDS link control picture on the terminal.
5. Depress the TAB + keys to place the cursor on the INITIATE action bar and then depress the ENTER key. The depressing of the ENTER key will initiate the communications link to the NRC ERDS.
6. After the communication link with the NRC ERDS has been established clear the terminal screen by depressing the CLEAR key and log off by typing in PSW 0 and depressing the EXEC key. The logging off of the terminal's screen will allow that terminal to be used in obtaining information for TSC activities without affecting the communication link with the NRC ERDS.
7. Periodically check the status of the ERDS link by typing in HLX (the X will be a 2 for Unit 1 or 3 for Unit 2) and depress the DSPLY key.

REVISION NO. 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 68 of 82
PROCEDURE NO. EPIP-04		

ATTACHMENT 9A
INITIATING AND TERMINATING THE ERDS LINK
(Page 2 of 2)

NOTE

- If the blinking message NOTIFY THE NRC appears after the CURRENT STATUS then the communications link has been lost and a reconnection is necessary when the NRC requests it through the established voice connection in the TSC. If this happens then it will be necessary to reinitiate the communications link beginning with step 1.
- Generally the ERDS link will be terminated by the NRC. The following steps are to be used if the link needs to be terminated from the TSC.

TERMINATING the ERDS communication link:

1. At any TSC ERDADS terminal clear the display screen by depressing the CLEAR key.
2. Log on to ERDADS by typing in PSW ## XXXXXXXX (the Xs stand for the password issued to Operations Support Engineering). Then depress the EXEC key.
3. Clear the screen with the CLEAR key and select the desired St. Lucie Unit by typing PUP UNIT X (the X will be either a 1 or 2 depending on the unit). Then depress the EXEC key.
4. Clear the screen by depressing the CLEAR key and type in ERD and depress the DSPLY key. This will display the ERDS link control picture on the terminal.
5. Depress the TAB - keys to place the cursor on the TERMINATE action bar and then depress the ENTER key. The depressing of the ENTER key will terminate the communications link to the NRC ERDS.
6. After the communication link with the NRC ERDS has been terminated clear the terminal screen by depressing the CLEAR key and log off by typing in PSW 0 and depressing the EXEC key.

END OF ATTACHMENT 9A

REVISION NO: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 69 of 82
PROCEDURE NO: EPIP-04		

ATTACHMENT 10
TSC CHEMISTRY SUPERVISOR CHECKLIST
(Page 1 of 3)

NOTE

When necessary or appropriate, steps in this checklist may be performed out of sequence.

- | | | |
|-----------|--|-----------------------|
| A. | <u>FACILITY ACTIVATION</u> | <u>INITIAL</u> |
| | 1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions. | _____ |
| B. | <u>FACILITY OPERATION</u> | |
| | 1. Initiate the Chemistry Logbook. | _____ |
| | 2. Steps to occur continually while the facility is in operation: | |

NOTE

Dose assessment shall be a primary responsibility of the EOF once it becomes operational.

- a. Supervise dose assessment activities.
- b. Review all dose projection printouts.
- c. Advise the EC of dose projection results.
- d. Assist the EC in evaluating off-site dose estimates for PARs.
- e. Assist the TSC EC Assist/Logkeeper/EC in determining the "Off-site Release Significance Category" as called for on the State Notification Form, as necessary.
- f. Provide technical support to the OSC Chemistry Supervisor.

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 70 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 10
TSC CHEMISTRY SUPERVISOR CHECKLIST
(Page 2 of 3)

B. 2. (continued)

CAUTION

Be aware of the following conditions. These Emergency Action Levels (EALs) are associated with Initiating Conditions (ICs) used in the classification of emergencies (EPIP-01, Classification of Emergencies). The Emergency Coordinator needs to know if any of these conditions exist.

1. Dose Equivalent Iodine (DEQ) I-131 activity greater than 275 $\mu\text{Ci/ml}$.
2. Result of analysis of a gaseous or liquid release is greater than ten (10) times the ODCM limit.
3. CHHRM readings greater than $7.3\text{E}+03$ R/hr OR greater than $1.46\text{E}+05$ R/hr.
4. Post LOCA Monitor readings greater than 100 mR/hr OR greater than 1000 mR/hr.
5. Step increase in radiation monitor readings in the Plant Vent and/or Fuel Handling Building.
6. Off-site dose calculation worksheet values at one (1) mile in excess of 50 mrem/hr (total dose – TEDE) or 250 mrem/hr (thyroid dose - CDE) for one half (1/2) hour OR 500 mrem/hr (total dose - TEDE) or 2500 mrem/hr (thyroid dose - CDE) for two (2) minutes.
7. Off-site dose calculation worksheet values indicate site boundary (one (1) mile) exposure levels have been exceeded as indicated by any of the following:
 - a. 1000 mrem/hr (total dose rate)
 - b. 1000 mrem (total dose - TEDE)
 - c. 5000 mrem/hr (thyroid dose rate)
 - d. 5000 mrem (thyroid dose - CDE)
- g. Advise the EC on plant chemistry related matters.
- h. Maintain chronological log of activities.

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 71 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 10
TSC CHEMISTRY SUPERVISOR CHECKLIST
(Page 3 of 3)

- B. 2. (continued) INITIAL
- i. Review and verify radiological and protective action information entered on status boards.

C. FACILITY CLOSEOUT AND RESTORATION

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

1. Dose assessment activities terminated. _____
2. Closed out the Chemistry Logbook. _____
3. Provided all paperwork (not bound in the position notebook) to the TSC Supervisor. _____
4. Returned position notebook to storage cabinet. _____

END OF ATTACHMENT 10

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 72 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 11
TSC DOSE ASSESSOR CHECKLIST
(Page 1 of 2)

NOTE
When necessary or appropriate, steps in this checklist may be performed out of sequence.

A. FACILITY ACTIVATION **INITIAL**

1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions. _____

B. FACILITY OPERATION

NOTE
1. Initial operating instructions for use of the Class A Model are provided in EPIP-09, Off-site Dose Calculations.
2. If the computerized Class A Model is not available, dose projections shall be performed in accordance with EPIP-09.

1. Ensure all previous dose calculation paperwork is sent to the EOF. _____
2. Establish communication link with the EOF Dose Assessor. _____
3. Complete Class A Model QC Check. _____
4. Steps to occur continually while the facility is in operation:
- a. Obtain input data for the Class A Model from the ERDADS Operator (RG 1/2 Screen).
- b. Report dose projection results to the TSC Chemistry Supervisor.
- c. Coordinate dose assessment with the EOF unless directed otherwise by the TSC Chemistry Supervisor.

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 73 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 11
TSC DOSE ASSESSOR CHECKLIST
(Page 2 of 2)

B. 4. (continued) INITIAL

d. Provide status board update information to the TSC Administrative Staff (use Attachment 11A and Attachment 11B).

- 1. Using carbon paper, make a copy as data is entered into the form in either Attachment 11A or 11B. Retain the original, provide the copy to the TSC Administrative Staff to update the status boards.**

C. FACILITY CLOSEOUT AND RESTORATION

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

- 1. Dose projection activities terminated. _____**
- 2. EOF communications linked terminated. _____**
- 3. All documents, equipment and supplies returned to preactivation condition and/or location. _____**
- 4. All paperwork collected. _____**
- 5. Provided all completed paperwork (not bound in the position notebook) to the TSC Chemistry Supervisor. _____**
- 6. Returned position notebook to storage cabinet. _____**

END OF ATTACHMENT 11

REVISION NO.:
10
PROCEDURE NO.:
EPIP-04

PROCEDURE TITLE:
ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER
ST. LUCIE PLANT

PAGE:
74 of 82

ATTACHMENT 11A
OFF-SITE RADIOLOGICAL ASSESSMENT
(Page 1 of 1)

OFFSITE DOSE RADIOLOGICAL ASSESSMENT STATUS AND TRENDS									
PARAMETER	Unit	Highest Downwind Sector Dose Rates							
Day # of Month									
Time of Day	2400								
Downwind Sectors									
Dose Rate @		TEDE	CDE	TEDE	CDE	TEDE	CDE	TEDE	CDE
1 mile	mRem/hr								
2 miles	mRem/hr								
5 miles	mRem/hr								
10 miles	mRem/hr								
Wind Direction at 10 meter elev	Degrees								
Downwind Sector									
Wind Speed at 10 meter elev	mph								
60 meter - 10 meter delta T	Deg F								
Stability Class									
10 meter Temperature	Deg F								
Noble Gas Rel Rate	Ci/sec								
Iodine Rel Rate	Ci/sec								
Noble Gas Total Ci	Ci								
Iodine Total Ci	Ci								
Contain Hi Range	R/hr								
Vent	Ci/sec								
ECCS A	Ci/sec								
ECCS B	Ci/sec								
Main Steam A	mR/hr								
Main Steam B	mR/hr								

TEDE = Total Dose CDE = Thyroid Dose

END OF ATTACHMENT 11A

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 75 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 11B
PROTECTIVE ACTION RECOMMENDATIONS
(Page 1 of 1)

PROTECTIVE ACTION RECOMMENDATIONS			
REASON: ISSUED BY:		DATE/TIME:	
		S = SHELTER E = EVACUATE	
SECTOR	0 - 2 Miles	2 - 5 Miles	5 - 10 Miles
A (N)			
B (NNE)			
C (NE)			
D (ENE)			
E (E)			
F (ESE)			
G (SE)			
H (SSE)			
J (S)			
K (SSW)			
L (SW)			
M (WSW)			
N (W)			
P (WNW)			
Q (NW)			
R (NNW)			

ADDITIONAL COMMENTS: _____

END OF ATTACHMENT 11B

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 76 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 12
TSC PROBLEM SOLVING TEAM CHECKLIST
(Page 1 of 2)

NOTE

1. This checklist applies to the following Problem Solving Team (PST) positions:

TSC PST Leader (Engineering)
TSC Elec Rep – PST TSC I&C Rep - PST
TSC Mech Rep - PST (3) TSC SRO Rep - PST

2. When necessary or appropriate, steps of this checklist may be performed out of sequence.

A. FACILITY ACTIVATION

INITIAL

1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions.

B. FACILITY OPERATION

NOTE

1. Refer to the Document Control Index for a listing of Tech Manuals available in the TSC.

2. The computer provides a LAN connection and access to the Total Equipment Database (TEDB).

1. Steps to occur continually while the facility is in operation:
- a. Problem Solving Team Leader
1. Maintain command and control of all PST activities. The form provided in Attachment 12A, PST Activities List may be used by the PST to track and communicate the status of PST activities.
 2. Ensure all PST members are aware of and understand the status of equipment.
 3. Maintain high level of inquiry and investigation by all PST members.
 4. Track progress of all requests for PST assistance.

REVISION NO. 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 77 of 82
PROCEDURE NO. EPIP-04		

ATTACHMENT 12
TSC PROBLEM SOLVING TEAM CHECKLIST
(Page 2 of 2)

- B.** **1.** **a.** (continued) INITIAL
5. Encourage development of multiple success paths.
6. Review all Worksheets (Attachment 12B).
- b.** Problem Solving Team Member
1. Participate as a member of the Problem Solving Team by providing technical support in your area of expertise.
2. Evaluate system and equipment failures.
3. Propose mitigative and corrective action(s) as promptly as possible.
4. Document recommendations on a form similar to Attachment 12B, Problem Solving Team Worksheet.
5. Serve as a Severe Accident Management Guidelines (SAMG) Evaluator.
6. Provide all recommendations to the EC.

C. FACILITY CLOSEOUT AND RESTORATION

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

1. Returned all documents, equipment and supplies to preactivation condition and/or location. _____
2. Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. _____
3. Returned position notebook to storage cabinet. _____

END OF ATTACHMENT 12

REVISION NO :

10

PROCEDURE TITLE:

ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER

PAGE:

78 of 82

PROCEDURE NO :

EPIP-04

ST. LUCIE PLANT

ATTACHMENT 12A
PST ACTIVITIES LIST
(Page 1 of 1)

Item	Problem Description	Probable Cause	PST Recommendation	Status

END OF ATTACHMENT 12A

REVISION NO: 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 79 of 82
PROCEDURE NO.: EPIP-04		

116

ATTACHMENT 12B
PROBLEM SOLVING TEAM WORKSHEET
(Page 1 of 1)

TO: _____ PST - _____

SUBJECT: _____

DATE & TIME RECEIVED:	REQUESTER:
-----------------------	------------

REQUEST: _____

RESPONSE: _____

	50.59		50.54(x) (SRO Approval)		SAMG		N/A
BY: _____				VERIFIED: _____			
PROBLEM SOLVING TEAM LEADER: _____							
DATE & TIME: _____							

PST Contact: _____ Ph. No.: _____

Status: Date: ___/___/___, Time: _____ : _____

EC Review: _____

END OF ATTACHMENT 12B

/R10

/R10

REVISION NO : 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE. 80 of 82
PROCEDURE NO : EPIP-04		

ATTACHMENT 13
TSC SECURITY SUPERVISOR CHECKLIST
(Page 1 of 3)

<p><u>NOTE</u> When necessary or appropriate, steps of this checklist may be performed out of sequence.</p>
--

- | A. <u>FACILITY ACTIVATION</u> | <u>INITIAL</u> |
|---|-----------------------|
| 1. Refer to Section 5 of this procedure (included in the position notebook) and review the general instructions. | _____ |
| 2. Verify that the Energy Encounter has been notified of the emergency. (consult the ERD Section 3.6, other company numbers, for the phone number) | _____ |
| B. <u>FACILITY OPERATION</u> | |
| 1. Establish access control for the TSC. | _____ |
| 2. Contact the Control Rooms and request a <u>completed</u> "Operations Department Accountability Aid" be forwarded to the TSC. | _____ |
| 3. Initiate facility accountability by requesting a <u>completed</u> copy of Attachment 3A, TSC ERO Shift Staffing and Accountability Roster from the TSC Supervisor. | _____ |
| 4. Telecopy the completed Attachment 3A, TSC ERO Shift Staffing and Accountability Roster, and the "Operations Department Accountability Aid" forms to Security. | _____ |
| 5. Contact the EOF Emergency Security Manager (ESM). | _____ |
| a. Establish responsibility/protocol for notification of off-site authorities regarding the status of site evacuation. | _____ |

REVISION NO: 10	PROCEDURE TITLE ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE 81 of 82
PROCEDURE NO: EPIP-04		

ATTACHMENT 13
TSC SECURITY SUPERVISOR CHECKLIST
(Page 2 of 3)

- | | | <u>INITIAL</u> |
|----|--|----------------|
| B. | (continued) | |
| 6. | Upon declaration of a Site Area Emergency. | _____ |
| | a. Start accountability at: _____ | _____ |
| | b. Start sweeps at: _____ | _____ |
| | 1. Off-site work areas. | |
| | 2. West forty and Fitness Center. | |
| | 3. Owner Controlled Area. | |
| | a. Beach side. | |
| | b. River side. | |
| | 4. On-site and Radiation Controlled Area. | |
| | 5. Marine Research Center. | |
| | c. Accountability completed at _____. | _____ |
| | d. Sweeps completed at _____. | _____ |
| 7. | Steps to occur continually while the facility is in operation: | |

CAUTION
Ensure the EC is aware of any actions required by the Security Plan
(e.g., alert or emergency declaration, suspension of safeguards, etc.).

- a. Advise the EC on Security related manners.

REVISION NO.: 10	PROCEDURE TITLE: ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER ST. LUCIE PLANT	PAGE: 82 of 82
PROCEDURE NO.: EPIP-04		

ATTACHMENT 13
TSC SECURITY SUPERVISOR CHECKLIST
(Page 3 of 3)

B. 7. (continued) INITIAL

- b. In conjunction with the ESM, provide liaison function between local law enforcement and rescue agencies and FPL for issues such as:
1. Bomb threats or acts of terrorism.
 2. Member of the public or media arriving at the site.
 3. Site egress and ingress.
 4. Fire or rescue/medical response.
- c. Coordinate safeguards suspension with the ESM and EC.
- d. Maintain site accountability of all personnel throughout the emergency.
- e. Follow Security Procedures.

C. FACILITY CLOSEOUT AND RESTORATION

NOTE
All paperwork completed in the position notebook should remain in the position notebook.

1. Closed out with the local law enforcement agencies, as needed. _____
2. Closed out Security Logbook. _____
3. All paperwork collected. _____
4. Provided all completed paperwork (not bound in the position notebook) to the TSC Supervisor. _____
5. Returned position notebook to the storage cabinet. _____

END OF ATTACHMENT 13