Florida Power & Light Company, 6501 South Ocean Drive, Jensen Beach, FL 34957

October 29, 2001

L-2001-239
10 CFR 50 Appendix E

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Emergency Plan Implementing Procedures

In accordance with 10 CFR 50 Appendix E, enclosed is a copy of the revised procedures that implement the Emergency Plan as listed below.

Number	Title	Revision	Implementation Date
EPIP-04	Activation And Operation Of The Technical Support Center	9	October 18, 2001
EPIP-05	Activation And Operation Of The Operational Support Center	7	October 18, 2001
EPIP-06	Activation And Operation Of The Emergency Operations Facility	5	October 18, 2001
EPIP-08	Off-Site Notifications And Protective Action Recommendations	4	October 18, 2001
HP-203	Personnel Access Control During Emergencies	19	October 18, 2001

A revision summary for the listed procedures is on page 2. NRC Regulatory Issue Summary 2001-05 waived the requirements that multiple copies of documents be submitted to the NRC. Please contact us if there are any questions regarding these procedures.

Very truly yours,

Donald E. Jernigan
Vice President
St. Lucie Plant

DEJ/tlt

Enclosures

A045

FPL

ST. LUCIE PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

SAFETY RELATED

Procedure No.

EPIP-04

Current Revision No.

9

Effective Date

10/18/01

Title:

ACTIVATION AND OPERATION OF THE TECHNICAL SUPPORT CENTER

Responsible Department: **EMERGENCY PREPAREDNESS**

REVISION SUMMARY:

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
0	12/15/97	J. Scarola Plant General Manager	12/15/97
9	10/11/01	R. G. West Plant General Manager	10/11/01
		N/A Designated Approver	
		N/A Designated Approver (Minor Correction)	

S___OPS	
DATE	
DOCT	PROCEDURE
DOCN	EPIP-04
SYS	
COM	COMPLETED
ITM	9

TABLE OF CONTENTS

TABLE OF CONTENTS
(continued)

SECTION PAGE

ATTACHMENTS (continued)

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.

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.

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, 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)

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. ¶3 PMAI PM99-09-017, Training Drill Critique 7/22/99, (Alternate Notification Methods)

4. ¶4 PMAI PM96-09-185, Condition Report CR 96-1750 (Off-site Notification Using Commercial Phone)

5. ¶5 Condition Report 00-0429 (TSC Briefing)

6. ¶6 Condition Report 01-0078 (Re-entry Paperwork and Response Time Expectations)

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.

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 (SAMG) 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 (SAMG) 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.

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 (SAMG) 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).

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.

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.

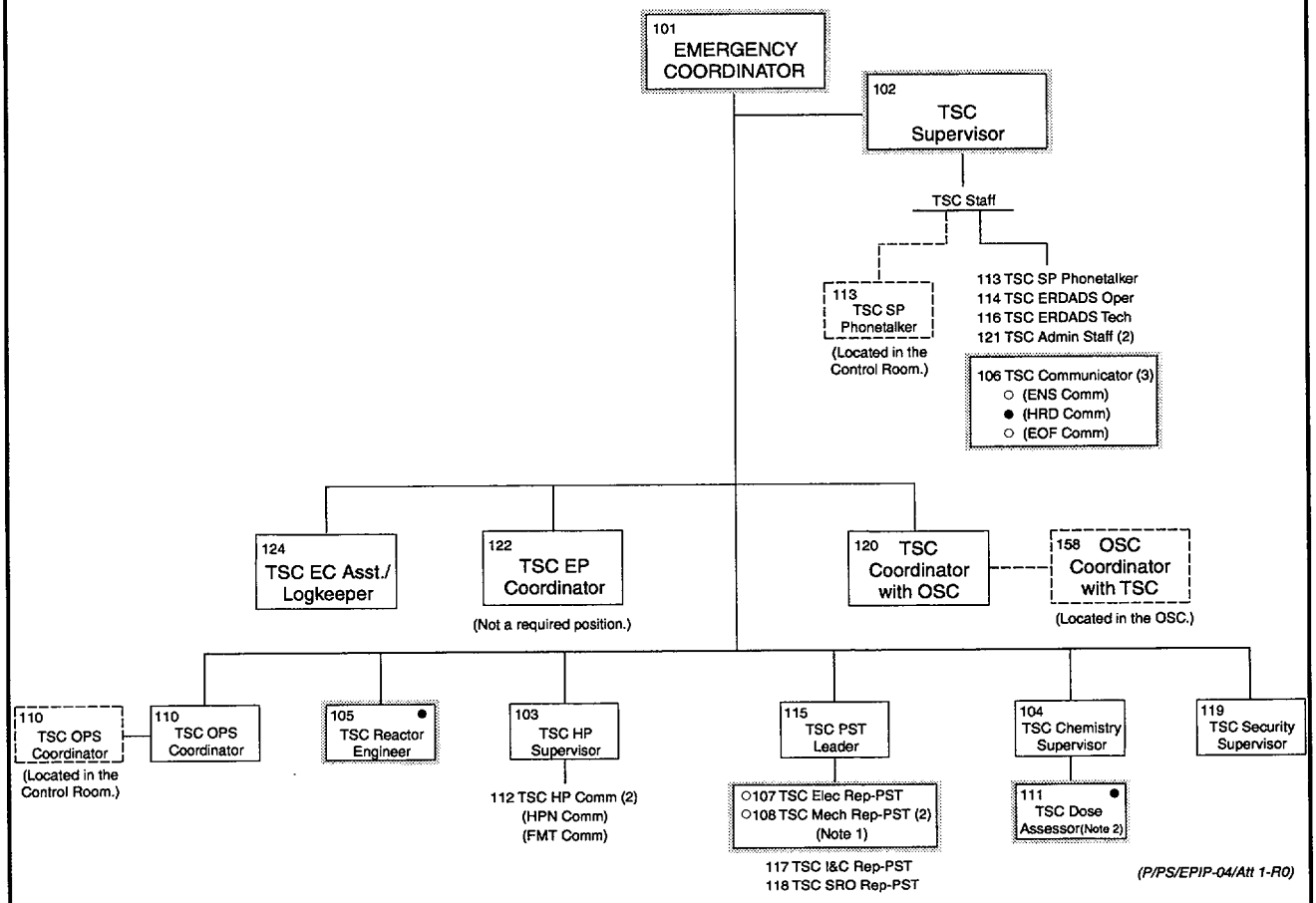
5.6 Upon termination of the event:

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 EPIPs 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

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

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.

A. FACILITY ACTIVATION — INITIAL

1. Refer to section 5.0 of this procedure (included in the position notebook) and review the general instructions. _____

B. FACILITY OPERATION

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.

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

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

ATTACHMENT 3
TSC SUPERVISOR CHECKLIST
(Page 1 of 4)

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

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:

NOTE
Attachment 3B, TSC Minimum Staffing Requirements, should be used to determine staff and suitable alternates.

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_____ _____

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). _____

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. _____

ATTACHMENT 3
TSC SUPERVISOR CHECKLIST
(Page 4 of 4)

C. (continued) INITIAL

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

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

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

¶5

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.

¶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

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.)

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.

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

Suggested Arrangements and Equipment Availability at Alternate TSC Locations:

SOUTH SERVICE BUILDING NUCLEAR TRAINING CENTER

Communications		
HRD Phone	EP area fourth floor	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 fourth floor	Simulator
Dose Assessment		
Class A Model	EP area fourth floor	Technical Training area second floor
TSC Functions		
Command and Control	EP area fourth floor	Conference room and Supervisor offices second floor
Problem Solving Team	Engineering area third floor	Conference room second floor
Other	Cubicles second and fourth floor	Cubicles second floor

END OF ATTACHMENT 3D

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. _____

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 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.

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 (use Attachment 4B) 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.

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

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 1 of 7)

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.

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 2 of 7)

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.

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 3 of 7)

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.

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 4 of 7)

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.**

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.

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 5 of 7)

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 be 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.

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 6 of 7)

C. ¶3 Alternate State Warning Point Notification Methods (recommended format):

NOTE
Use of the commercial telephone as an alternate notification method requires callback verification from the State Warning Point. Use of ESATCOM or Local Government Radio as an alternate notification method should include a callback verification number if available (e.g., cellular phone).

1. Alternate 1 - Commercial phone

Call the State Warning Point using the phone number in the St. Lucie Plant Emergency Response Directory (ERD). Announce "This is St. Lucie Unit ____ Nuclear Plant with an emergency declaration. My callback number is _____."

Hang up the phone and standby for the callback. When the State Warning Point gives the go-ahead, provide the information from the State of Florida Notification Message Form.

¶4 Request callback to verify that State Warning Point has notified St. Lucie and Martin Counties and the Bureau of Radiation Control.

2. Alternate 2 - ESATCOM

Hold down the button on the handset and wait 3-5 seconds to hear a beep before you start talking. This must be done each time you talk.

Announce "State Warning Point, this is St. Lucie Unit ____," then release the button in order to listen.

When the State Warning Point acknowledges, announce "State Warning Point, this is St. Lucie Unit ____ (classification), repeat (classification)."

When the State Warning Point gives go-ahead, provide the information from the State of Florida Notification Message Form.

Announce "St. Lucie clear" at the end of the conversation.

ATTACHMENT 4A
COMMUNICATIONS GUIDELINES
(Page 7 of 7)

C. (continued)

3. Alternate 3 - Local Government Radio (LGR) communication to St. Lucie and Martin County Emergency Operations Centers (EOCs) with relay to the State Warning Point.

On channel 2, contact the county EOCs by depressing the transmit button and announcing "St. Lucie County EOC, this is St. Lucie Nuclear Unit ____. Over." When St. Lucie County replies, direct them to standby while you contact Martin County.

When both counties are online, announce "Martin and St. Lucie County EOCs, this is St. Lucie Nuclear Unit ____ declaring a (classification), repeat (classification). I am standing by to transmit State of Florida Notification Message Form information when you are ready to copy. Over."

When the counties give the go-ahead, provide the information from the State of Florida Notification Message Form.

End the conversation by announcing "This is St. Lucie Unit ____, KNGR 874, over and out."

END OF ATTACHMENT 4A

ATTACHMENT 4B
SAFETY FUNCTIONS EQUIPMENT STATUS - UNIT 1
(Page 1 of 4)

1

¶1 ERDADS SF1 Screen Mimic

PLANT PARAMETERS	SAFEGUARDS	CONTAINMENT	BALANCE OF PLANT
REACTOR PWR (WR) _____%	PUMP STATUS (ON/OFF)	PRESSURE _____PSIG	ELECTRICAL PLANT
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	TEMPERATURE	DIESEL GENERATORS
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	RADIATION LEVEL	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	TANK STATUS
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	HYDROGEN CONCENTRATION	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 _____%	HVAC STATUS (ON/OFF)
S/G A LEVEL (WR) _____%	AUX FEED FLOW (GPM)	CONTAINMENT COOLERS (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) _____%	HPSI FLOW (GPM)	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
	LPSI FLOW (GPM)		HVE 9B ON/OFF
	A1_____ A2_____		HVE 10A ON/OFF
	B1_____ B2_____		HVE 10B ON/OFF
	SIT'S LEVEL (%)		
	A1_____ A2_____		
	B1_____ B2_____		
	SIT'S PRESS (PSIA)		
	A1_____ A2_____		
	B1_____ B2_____		
	SAFEGUARDS SIGNALS		
	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

¶1

ERDADS RG1 Screen Mimic

	10 METER	57.9 METER
WIND SPEED	_____MPH	_____MPH
WIND DIRECTION	_____DEG	_____DEG
AIR TEMP	_____DEG F	_____DEG F
DIFF TEMP	_____DEG F / 50 METER	

CHANNEL	MAIN STEAM	VALUE	UNITS	CHANNEL	CONTAINMENT	VALUE	UNITS
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
CHANNEL	ECCS 1A	VALUE	UNITS	CHANNEL	PLANT VENT	VALUE	UNITS
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
CHANNEL	ECCS 1B	VALUE	UNITS	CHANNEL	FUEL BLDG	VALUE	UNITS
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

¶1

ERDADS SF2 Screen Mimic

PLANT PARAMETERS	SAFEGUARDS	CONTAINMENT	BALANCE OF PLANT
REACTOR POWER (WR) _____	PUMP STATUS (ON/OFF)	PRESSURE _____PSIG	ELECTRICAL PLANT
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	TEMPERATURE	DIESEL GENERATORS
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	RADIATION LEVEL	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	TANK STATUS
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	HYDROGEN CONCENTRATION	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 _____%	HVAC STATUS (ON/OFF)
S/G A PRESSURE _____PSIG	AUX FEED FLOW (GPM)	CONTAINMENT COOLERS (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	HPSI FLOW (GPM)	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	LPSI FLOW (GPM)		HVE 9B ON/OFF
	A1_____ A2_____		HVE 10A ON/OFF
	B1_____ B2_____		HVE 10B ON/OFF
	SIT'S LEVEL (%)		
	A1_____ A2_____		
	B1_____ B2_____		
	SIT'S PRESS (PSIA)		
	A1_____ A2_____		
	B1_____ B2_____		
	SAFEGUARDS SIGNALS		
	SIAS A YES / NO		
	SIAS B YES / NO		
	MSIS A YES / NO		
	MSIS B YES / NO		

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

2

¶1 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	

CHANNEL	MAIN STEAM	VALUE	UNITS	CHANNEL	CONTAINMENT	VALUE	UNITS
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

CHANNEL	ECCS 2A	VALUE	UNITS	CHANNEL	PLANT VENT	VALUE	UNITS
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

CHANNEL	ECCS 2B	VALUE	UNITS
611	LOW RANGE	_____	uC/cc
612	MID RANGE	_____	uC/cc
613	HI RANGE	_____	uC/cc
614	EFFLUENT	_____	uC/SEC

END OF ATTACHMENT 4B

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.

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

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)

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.

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

II. ERDADS - COLOR/SYMBOL CONVENTIONS

Color/Symbol	Explanation [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.

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

END OF ATTACHMENT 5A

¶2

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: • 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.

¶2

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	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: • 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. The top of the heaters is 73.98 inches above the lower top centerline.
Charging Flow to Regen Hx (GPM)	FT2212-1/2	RCS CHG/MU	N/A	This parameter is reactor coolant system makeup flow. It is converted to engineering units using a linear equation.
Subcooling Margin (deg. F)	QA0005-1/2	Submargin	Minimal	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 auctioneering 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: 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. • 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.

¶2

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	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: • 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	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. 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. 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.

¶2

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 Sensor / Location* (* in. to fuel) alignment plate) / Level Segment (%) / Value if Uncovered (%) 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 Sensor / Location* (* in. to fuel) alignment plate) / Level Segment (%) / Value if Uncovered (%) 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

¶2

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: • 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.

¶2

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	Cntmnt Smp WR	Maximum	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. • 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	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: • 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	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.
SG Level B WR (%)	LT9022-1/2	SG Level B	N/A	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.

¶2

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: • 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. Tank bottom refers to zero gallons.

¶2

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

POINT DESCRIPTION	PT ID	POINT NAME	TYPE CALCULATION	NOTES
CHRRM. Channel (R/HR)	Unit 1: RE 26-58-1 (A Channel) RD 26-59-1 B Channel) Unit 2: RIM 26-40-2 (A Channel) RIM 26-41-1 (B Channel)	Cntmnt. 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. 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.

END OF ATTACHMENT 5B

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. FACILITY ACTIVATION — INITIAL

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. _____

/R9

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

A. FACILITY ACTIVATION (continued) INITIAL

4. ESTABLISH the Videolink as follows: _____ /R9

a. Using the key on the keychain labeled "Videolink" in the administrative supplies, UNLOCK the electronic cabinet in the Problem Solving Team area. /R9

b. DIAL the leftmost dial (#1), on the Shure Professional Microphone Mixer, to zero. This will eliminate the "test tone". /R9

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. /R9

d. SET the television to channel 13 to monitor the videolink in the TSC. /R9

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.

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.

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. _____

/R9 /R9 /R9 /R9

END OF ATTACHMENT 6

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

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

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

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

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

¶6

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. *Priority: ☐ **1** (target 10 mins) ☐ **2** (target 20 mins) ☐ **3** (target 30 mins)

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. *Priority: ☐ **1** (target 10 mins) ☐ **2** (target 20 mins) ☐ **3** (target 30 mins)

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:_____

* Assignment of Priorities / Re-Entry Team Dispatch Targets
(Assignment of priorities is made by the TSC. The dispatch times are targets that should be vigorously pursued.)

Priority 1 - Dispatch within 10 minutes (e.g., fire, injury, specific Operator actions such as App. X, etc)
Priority 2 - Dispatch within 20 minutes (e.g., Emergency Coordinator top priority, actions required to protect the health and safety of the public, etc.)
Priority 3 - Dispatch within 30 minutes (e.g., routine re-entry)

END OF ATTACHMENT 7A

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

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

B. **2.** (continued) INITIAL

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.

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.

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

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

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

1. Establish the ERDADS link with the NRC Emergency Response Data System (ERDS) (use Attachment 9A, Initiating and Terminating the ERDS Link). _____

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 µCi/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.

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

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.

/R9

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.

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

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. 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. 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.

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 µCi/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 7.3E+03 R/hr OR greater than 1.46E+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.

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

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.

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

INITIAL

B. 4. (continued)

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

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

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

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.

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

INITIAL

B. **1.** **a.** (continued)

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

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

Item	Problem Description	Probable Cause	PST Recommendation	Status

END OF ATTACHMENT 12A

¶6

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

TO:_____ PST -_____

SUBJECT:	
DATE & TIME RECEIVED:	REQUESTER:
REQUEST:	
RESPONSE:	

	50.59		50.54(x)		SAMG		N/A

BY:	VERIFIED:
PROBLEM SOLVING TEAM LEADER:	
DATE & TIME:	

Priority ☐ 1 (10 min)
Priority ☐ 2 (20 min)
Priority ☐ 3 (30 min)

PST Contact:_____ Ph. No.:_____

Status: Date:____/____/____, Time:_____ : _____

_____

EC Review: _____

END OF ATTACHMENT 12B

/R9

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

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. _____

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. FACILITY OPERATION

1. Establish access control for the TSC. _____

2. Contact the Control Rooms and request a completed "Operations Department Accountability Aid" be forwarded to the TSC. _____

3. Initiate facility accountability by requesting a completed 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. _____

ATTACHMENT 13
TSC SECURITY SUPERVISOR CHECKLIST
(Page 2 of 3)

B. (continued) INITIAL

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.

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

FPL

ST. LUCIE PLANT

EMERGENCY PLAN IMPLEMENTING PROCEDURE

SAFETY RELATED

Procedure No.
EPIP-05

Current Revision No.
7

Effective Date
10/18/01

Title:

ACTIVATION AND OPERATION OF THE OPERATIONAL SUPPORT CENTER

Responsible Department: **EMERGENCY PREPAREDNESS**

REVISION SUMMARY:

Revision 7 – Updated instructions for obtaining EPIP list on Lotus Notes. (J.R. Walker, 10/11/01)

Revision 6 – Streamlined paperwork required for re-entry teams, defined response times as targets, and streamlined re-entry paperwork down to a checklist. (Donna Calabrese, 04/26/01)

REVISION 5 – Eliminated OSC paramedic position, revised re-entry guidelines and made editorial and administrative changes. (G. Varnes, 08/08/00)

REVISION 4 - Clarified role of OPS Re-entry Supervisor per PM 99-04-122. Added guidelines for OSC command and control assistance per PM 99-04-143. Provided instructions for emergency access to restricted areas per PM 99-09-079. Revised the minimum staff position in Chemistry to the OSC Chemistry. Clarified facility sign-in and accountability instructions. Reinforced instructions for development of a contingency team. Made editorial changes. (Rick Walker, 10/05/99)

REVISION 3 - Added OSC information services rep position and responsibilities to procedure and added editorial changes. (J. R. Walker, 3/2/99)

Revision	FRG Review Date	Approved By	Approval Date
0	12/15/97	J. Scarola Plant General Manager	12/15/97
7	10/11/01	R.G. West Plant General Manager N/A Designated Approver N/A Designated Approver (Minor Correction)	10/11/01

S___OPS	
DATE	
DOCT	PROCEDURE
DOCN	EPIP-05
SYS	
COM	COMPLETED
ITM	7

TABLE OF CONTENTS

TABLE OF CONTENTS
(continued)

SECTION PAGE

ATTACHMENTS (continued)

1.0 PURPOSE

1.1 Discussion

This procedure provides instructions for activation and operation of the Operational Support Center. This procedure also provides instructions for the selection and deployment of Re-entry Teams.

1.2 Location and Description

The OSC is located on the second floor of the South Service Building in conference room 2200 and adjoining room 2300. Ample space is available for the assembly of auxiliary operators, Heath Physics technicians, Maintenance personnel, and other personnel needed for emergency response. Due to potential habitability concerns, alternate locations capable of supporting OSC operations have been identified as follows:

1. North Service Building, conference area or maintenance shops
2. Blowdown Building
3. Unaffected Reactor Auxiliary Building (RAB)

1.3 OSC Functions

1. Mandatory Functions
   - **A.** Provide a resource pool of personnel to assist the Control Room and TSC in accident assessment and mitigation.
   - **B.** Respond to requests for Re-entry Teams.
   - **C.** Maintain radiological exposure controls in accordance with the HP-200 series procedures.
2. Additional Functions
   - **A.** Provide the interface with the Off-site Assembly Area.
   - **B.** Serve as access control point following site evacuation.

1.4 Minimum Staffing

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

- OSC Supervisor
- OSC Chemist
- OSC HP Technician (12)
- OSC Electrician (2)
- OSC Mechanic (2)
- OSC I&C Specialist

1.5 §2 Activation

Activation of the OSC 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 OSC in a timely manner.

1.6 Operations

The OSC has sufficient space available and radiation protection equipment and other supplies to support emergency response personnel conducting re-entry activities. The OSC has the capability to provide 24 hour continuous operation, as necessary.

Initial work activities directed by the OSC, at the Alert Level, are considered pre-re-entry and certain aspects of this procedure may be relaxed (e.g., HP coverage). Following a site evacuation order (evacuation of the Owner Controlled Area) or if radiological conditions exist outside the Radiation Controlled Area, all provisions of this procedure are required for re-entry into affected areas.

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, 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. St. Lucie Plant Emergency Response Directory (ERD)
9. QI-17-PSL-1, Quality Assurance Records
10. Fitness for Duty Rule, 10 CFR 26

2.2 Records Required

1. The following shall be retained following a plant emergency:

- Checklists and paperwork generated per this procedure.
- Logbooks 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 (Definition of contingency team and full staffing guidance).

2. ¶2 PMAI PM98-04-144, Evaluated Exercise Critique 3/18/98 (Establish threshold dose rate for OSC relocation).

3. ¶3 PMAI PM98-09-006 (Control of NLOs Under E-Plan)

4. ¶4 PMAI PM99-04-122 (Ops Re-entry Supervisor Role)

5. ¶5 PMAI PM99-04-143 (OSC Command and Control Assistance)

6. ¶6 PMAI PM99-09-079 (Hot Tool Room Access During an Emergency)

7. ¶7 CR 01-0078, OSC Re-entry Team Improvements

3.0 RESPONSIBILITIES

3.1 OSC Supervisor

1. Provides command and control of OSC activities.
2. Coordinates activities to ensure adequate support to the TSC/EC.
3. Ensures that all Re-entry Teams are adequately briefed prior to leaving the OSC and thoroughly debriefed upon their return.
4. Ensures communications flow is maintained within the facility, with the Re-entry Teams, and with the TSC.
5. Coordinates facility briefings.
6. Arranges for long term operation of the OSC.

3.2 OSC Coordinator with TSC

1. Serves as the coordinator with the TSC for Re-entry Team requests.
2. Logs and tracks re-entry activities.
3. Keeps the OSC Supervisor abreast of the emergency conditions and plant status.

3.3 OSC Re-entry Supervisor

NOTE

- Each of the following areas has a Re-entry Supervisor: (1) Mechanical Maintenance, (2) Electrical Maintenance, (3) I&C Maintenance, (4) Operations, (5) Chemistry, and (6) Health Physics.
- Responsibilities for the Health Physics Re-entry Supervisor (HPOSC) are provided in HP-200, Health Physics Emergency Organization.

1. Ensures departmental Emergency Response Organization (ERO) personnel are available for re-entry activities.
2. Assists the OSC Supervisor in selection of Re-entry Team members.
3. Provides task specific briefings to their departmental re-entry personnel.
4. Conducts Re-entry Team debriefings.

3.4 OSC Departmental Representative

> **NOTE**
> The following departments have representatives in the OSC:
> (1) Nuclear Materials Management (NMM), (2) Safety, (3) Protection and Control, (4) Security and (5) Information Services.

1. Provides input to the OSC Supervisor, as requested in support of re-entry operations.

2. Participates in re-entries, as needed.

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 the mandatory function of conduct of re-entry activities.

3. **Fully Staffed** - the 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 **Re-entry** - access to areas where evacuation (local or site) has been ordered constitutes a re-entry. Re-entry into an evacuated area is authorized only by the EC.

4.4 **Re-entry Team** - a group of qualified personnel who will enter an evacuated area under the authorization of the EC to accomplish an assigned task (e.g., repair damage control, rescue, etc.). The initial Re-entry Team shall consist of at least two qualified persons, one of whom shall be an OSC Health Physics Technician (HPT).

4.5 **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).

5.0 INSTRUCTIONS

NOTE

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

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

5.2 Upon arrival at the facility, each OSC responder should perform the following:

1. Sign-in instructions:

A. Persons working in room 2300 (supervisors' area) of the OSC should sign in on the status board on the south wall in the space corresponding to their position.

B. All OSC Re-entry Supervisors should ensure that the names of their department's Re-entry Team members and foreman are signed in on the status board in Room 2300.

C. The OSC Administrative Tech/Logkeeper should ensure that all personnel in both Rooms 2200 and 2300 are signed in on the status board and that this information concurs with Attachment 2A, OSC ERO Shift Staffing and Accountability Roster.

2. Obtain a "Player" badge and place your name (and position title, if necessary) on the badge with a dry erase marker or in any other non-permanent manner.

3. Obtain specific position notebook (if applicable) with procedural checklists, forms and instructions.

4. Make your workstation/location operational, as necessary.

5. Notify your supervisor or the OSC Supervisor of your readiness status.

6. Assist in establishing accountability by signing in on a form similar to Attachment 2A, OSC ERO Shift Staffing and Accountability Roster.

5.3 §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 OSC.

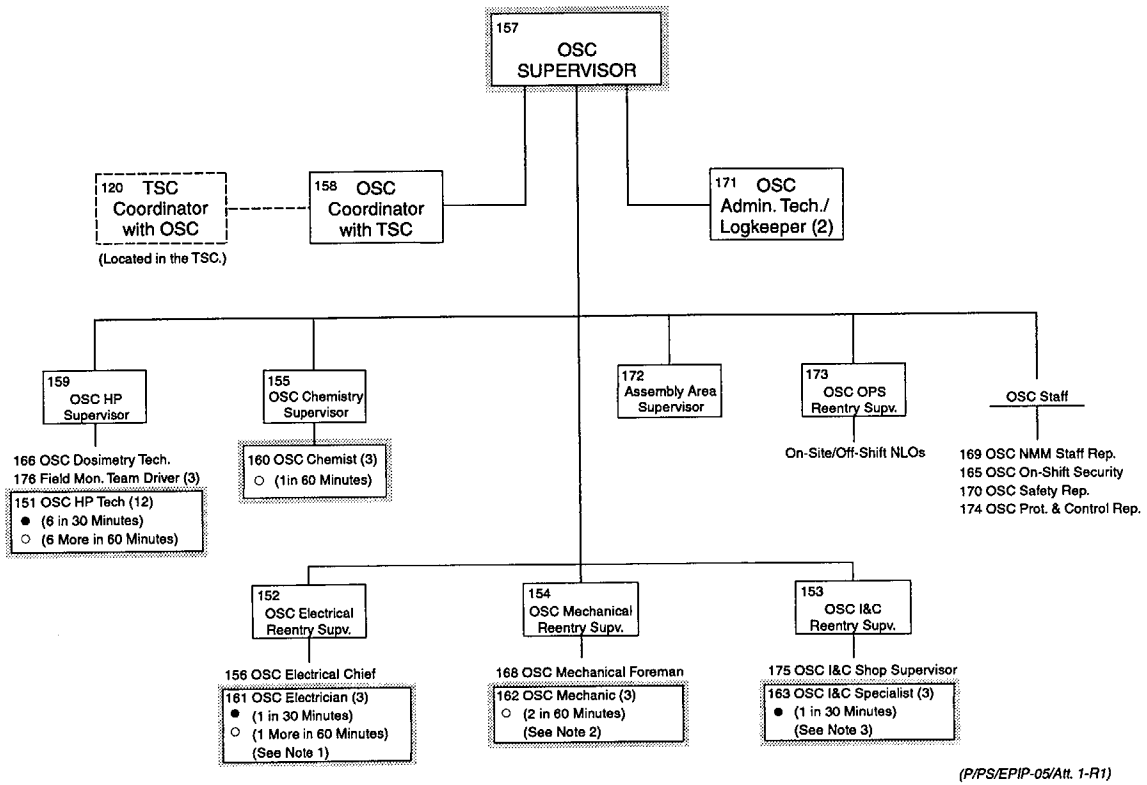
5.4 During facility briefings, stop what you're doing, pay attention, and contribute as requested.

5.5 Upon termination of the event:

1. All OSC personnel should return their workstations/locations to a normal state and assist in restoring the facility to a ready condition.

2. All OSC personnel should collect all significant information and documentation, such as notes and completed data sheets (not bound in position notebooks) and forward this material to the OSC Supervisor.

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



(P/PS/EPIP-05/Att. 1-R1)

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- Minimum staffing requirements may be filled by Electrical Reentry Supervisor, Chief or Electrician.
Note 2- Minimum Staffing requirements may be filled by Mechanical Reentry Supervisor, Foreman or Mechanic.
Note 3- Minimum Staffing requirements may be filled by I&C Reentry Supervisor, Shop Supervisor or I&C Specialist.

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

ATTACHMENT 2
OSC SUPERVISOR CHECKLIST
(Page 1 of 4)

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. _____

2. Determine operational readiness of the OSC by verifying the following:

   a. Communications established with the TSC. _____

   b. Minimum staff available (use Attachment 2A, OSC ERO Shift Staffing and Accountability Roster or refer to the sign in board). _____

   c. Communications equipment and other supplies are available and ready for use. _____

   d. Ensure Room 2200 set up is underway. If the OSC Safety Rep is not available, then reassign the responsibility. _____

   e. Minimum staff prepared to accomplish mandatory facility functions. _____

3. If Step 2 above is satisfied, Then declare the facility operational at _____. _____

4. Notified the EC/TSC Supervisor that the OSC is operational. _____

ATTACHMENT 2
OSC SUPERVISOR CHECKLIST
(Page 2 of 4)

B. FACILITY OPERATION — INITIAL

NOTE
¶1 Unless authorized by the EC, facility staffing should be in accordance with Attachment 2A, OSC ERO Shift Staffing and Accountability Roster.

1. OSC fully staffed. _____

2. Instruct personnel to verify their position notebook procedures against the posted revision number. _____

3. ¶1 Direct the HPOSC to identify and prepare a representative from HP and each maintenance discipline for a rapid response contingency team. _____

4. Instruct the OSC Administrative Tech/Logkeeper to initiate the OSC Logbook. _____

5. Establish what team(s) or individual(s) is known to be working in the plant, the task/job, and the communications method/controlling facility. _____

6. ¶6 Identify the necessity and means for providing access to all tool rooms (including the Hot Tool Room) and any other area with restricted access. _____

7. Obtain food and water supply for the OSC. _____

8. Arrange for long term staffing (use Attachment 2A, OSC ERO Shift Staffing and Accountability Roster). _____

ATTACHMENT 2
OSC SUPERVISOR CHECKLIST
(Page 3 of 4)

B. (continued) INITIAL

CAUTION

¶2 The OSC affords limited protection against a release of radioactive material. During the time that a radioactive release is occurring, the habitability of the OSC is to be monitored. A measured dose rate of 50 mrem/hr, in the facility, is established as the threshold for relocation of the OSC.

9. If necessary, initiate steps for relocation of the OSC (use Attachment 2E, Guidelines for Relocation of the OSC). _____

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

    a. Oversee communications

    b. Maintain low noise level in the facility

    c. Conduct facility briefings (use Attachment 2F, OSC Facility Briefings).

    d. Ensure emergency status and plant conditions are routinely updated. (The videolink may be used for this purpose.)

    e. Re-entry Checklist - When requested by the OSC Coordinator with the TSC, complete the following in response to a request for a Re-entry Team:

        1) Review Attachment 2C, Re-entry Guidelines, to this attachment as necessary.

        2) Complete the Team Assignment section of Attachment 3A, Re-entry Log (letters D & E prior to team dispatch).

        3) Select the most appropriate Re-entry Supervisor based on the nature of the task.

ATTACHMENT 2
OSC SUPERVISOR CHECKLIST
(Page 4 of 4)

B. 10. e. (continued) INITIAL

4) Assign completion of Parts I, II and III of Attachment 5A, Re-entry Team Form, to the chosen Re-entry Supervisor.

5) Direct the HPOSC to assist in team development by satisfying the requirements of HP 203.1, Evacuated Area Re-entry Checklist, in HP-203, Personnel Access Control During Emergencies.

6) Review Attachment 2D, Briefing Guidelines, to this procedure, as necessary.

7) Verify Re-entry Team preparedness prior to dispatch.

C. FACILITY CLOSEOUT AND RESTORATION

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

1. All Re-entry Teams are logged back in and accounted for. _____
2. All facility activities closed out. _____
3. All equipment and supplies returned to preactivation condition and/or location. _____
4. All paperwork collected. _____
5. Closed out the OSC Logbook. _____
6. Returned position notebook to storage shelf. _____
7. Provided all completed paperwork (not bound in position notebooks) to Emergency Planning. _____

ATTACHMENT 2A
OSC ERO SHIFT STAFFING AND ACCOUNTABILITY ROSTER
(Page 1 of 4)

Shift[1] _____, Hours: _____ To _____

POSITION {Minimum staff in **bold**[2]}	NAME	BADGE NO.
OSC HP Supervisor:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC HP Tech [3]:	_____	_____
OSC Dosimetry Tech:	_____	_____
Field Mon Team Driver:	_____	_____
Field Mon Team Driver:	_____	_____
Field Mon Team Driver:	_____	_____

ATTACHMENT 2A
OSC ERO SHIFT STAFFING AND ACCOUNTABILITY ROSTER
(Page 2 of 4)

POSITION	NAME	BADGE NO.
OSC I&C Re-entry Supv:	_____	_____
OSC I&C Shop Supervisor:	_____	_____
OSC I&C Specialist:	_____	_____
OSC I&C Specialist:	_____	_____
OSC I&C Specialist:	_____	_____
OSC Mech Re-entry Supv:	_____	_____
OSC Mechanical Foreman:	_____	_____
OSC Mechanic:	_____	_____
OSC Mechanic:	_____	_____
OSC Mechanic:	_____	_____
OSC Elec Re-entry Supv:	_____	_____
OSC Electrical Chief:	_____	_____
OSC Electrician:	_____	_____
OSC Electrician:	_____	_____
OSC Electrician:	_____	_____

ATTACHMENT 2A
OSC ERO SHIFT STAFFING AND ACCOUNTABILITY ROSTER
(Page 3 of 4)

POSITION	NAME	BADGE NO.
OSC Supervisor:	_____	_____
OSC Coordinator with TSC:	_____	_____
OSC Chemistry Supv.:	_____	_____
OSC Chemist:	_____	_____
OSC Chemist:	_____	_____
OSC Chemist:	_____	_____
OSC On-Shift Security:	_____	_____
OSC On-Shift Security:	_____	_____
OSC On-Shift Security:	_____	_____
OSC OPS Re-entry Supv:	_____	_____
OSC Prot and Control Rep:	_____	_____
OSC NMM Staff Rep:	_____	_____
OSC Safety Rep:	_____	_____
OSC Information Services Rep:	_____	_____
OSC Admin Tech/Logkeeper:	_____	_____
OSC Admin Tech/Logkeeper:	_____	_____
Assembly Area Supervisor:	_____	_____

ATTACHMENT 2A
OSC ERO SHIFT STAFFING AND ACCOUNTABILITY ROSTER
(Page 4 of 4)

POSITION	NAME	BADGE NO.
Other: _____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

[1]Long term staffing, refer to the St. Lucie Plant Emergency Response Directory (ERD) for position alternates.

[2]Refer to Attachment 2B for temporary alternates for minimum staff positions.

[3]Position fills the following positions:

a. TSC HP Surveys
    1. Unit 1 Control Room/TSC
    2. Unit 2 Control Room
    3. OSC
    4. Access Control

b. HP Field Teams
    1. Red Team
    2. Orange Team
    3. Blue Team

ATTACHMENT 2B
OSC MINIMUM STAFFING
(Page 1 of 1)

Major Functional Area[1]	Position Title and ID No.[2]	# in Position	Qualifications/ Temporary Alternate
Health Physics Technician	OSC HP Tech, 151	12	Member of the Health Physics Department
Rad/Chem Technician	OSC Chemist, 160	1	Member of the Chemistry Department
Electrical Maintenance	OSC Electrician, 161	2	Electrical Maintenance Journeyman or Chief or Supervisor
Mechanical Maintenance/Radwaste Operator	OSC Mechanic, 162	2	Mechanical Maintenance Journeyman or Foreman or Supervisor
I&C Technician	OSC I&C Specialist, 163	1	I&C Maintenance Specialist or Supervisor
Facility Command and Control	OSC Supervisor, 157	1	OSC Coordinator with TSC

[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).

ATTACHMENT 2C
RE-ENTRY GUIDELINES
(Page 1 of 3)

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.

   a. ¶3 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.

   b. Since teams may be dispatched from the OSC prior to evacuation of any plant areas, the OSC Supervisor and Health Physics Supervisor in the OSC (HPOSC) should evaluate the event in progress and determine the most likely trends in radiological conditions. If the event is likely to result in evacuation(s), due to radiological concerns, the teams should be dressed, equipped, and briefed, similarly to Re-entry Teams.

3. ¶3 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.

ATTACHMENT 2C
RE-ENTRY GUIDELINES
(Page 2 of 3)

4. Evacuation ordered and with the OSC operational

   a. NLOs, from both Units, are to report to the OSC once it goes operational.

   b. All field activities are re-entries and shall be coordinated and controlled by the OSC.

   c. Re-entry into an evacuated area shall be made only when authorized by the EC and under the direction of the TSC HP Supervisor (TSCHPS) and the HPOSC for one or more of the following reasons:

      1) To ascertain that all personnel who were in the affected area have been evacuated and to search for unaccounted for personnel.

      2) To assist in evacuating injured or incapacitated personnel from the affected area.

      3) To perform operations which mitigate the effect of the emergency or hazardous condition.

      4) To determine the nature and extent of the emergency and/or radiological conditions.

      5) To establish definite personnel exclusion area boundaries.

ATTACHMENT 2C
RE-ENTRY GUIDELINES
(Page 3 of 3)

5. General Consideration

   a. The Re-entry Team members should be selected based on appropriate qualifications relevant to the purpose for the entry.

   b. A Re-entry Team shall consist of at least two qualified persons, one of whom shall be knowledgeable in Health Physics procedures.

   c. The most qualified (relative to the entry) person should be selected to serve as the Re-entry Team Leader. He/she should be fully briefed concerning the nature of the emergency and the expectations for the entry.

   d. All Re-entry Team members shall wear protective clothing, dosimeters, respiratory devices, and other protective devices as specified by the HPOSC.

   e. ¶1 A contingency Re-entry Team should be developed consisting of representatives from each of the maintenance disciplines and Health Physics. This team anticipates the need for a high priority, rapid response request from the EC/TSC.

ATTACHMENT 2D
BRIEFING GUIDELINES
(Page 1 of 1)

PRE-ENTRY

1. The Re-entry Team Form takes the place of a Nuclear Plant Work Order (NPWO) package, therefore, careful documentation is required.

2. Ensure that the Re-entry Team members are instructed as to what is required of them during the entry by the assigned Re-entry Supervisor.

3. Ensure that the Re-entry Team members are briefed concerning the nature of the emergency and the possible radiation hazards present by the HPOSC.

4. Verify that the Re-entry Team understands that they should not deviate from the planned route and task, unless due to unanticipated circumstances such as rescue, performing an operation which would minimize the emergency condition, etc. and only after acknowledgement from the OSC.

5. Verify that the Re-entry Team understands that if the monitored dose rates encountered during the entry exceed the limits set by the HPOSC that the Team should return to the OSC or, at a minimum, move to an area of low background and review conditions with the OSC.

6. If a Re-entry Team is to be assigned a new or additional task while still in the field, Part II, Task Assessment, of Attachment 5A, Re-entry Team Form, must be re-evaluated by an appropriate Re-entry Supervisor and the HPOSC consulted, prior to providing a field briefing.

POST ENTRY

1. Evaluate the success of the Re-entry Team in completing the re-entry task.

2. Ensure that Part V, Team Work Report, of the Re-entry Team Form (Attachment 5A) is completed by the Re-entry Team for documentation.

ATTACHMENT 2E
GUIDELINES FOR RELOCATION OF THE OSC
(Page 1 of 2)

A. OSC Supervisor

1. In conjunction with the Emergency Coordinator and the TSC HP Supervisor, obtain approval to relocate the OSC to one of the following locations: (not in any priority)

   a. North Service Building, conference area or maintenance shops

   b. Blowdown Building

   c. Unaffected Reactor Auxiliary Building (RAB)

   d. Other location deemed appropriate

2. Organize three relocation teams as follows:

   a. SETUP TEAM to prepare the alternate OSC location.

   b. EQUIPMENT AND SUPPLY TEAM to arrange for and transport equipment to the alternate OSC location.

   c. TURNOVER TEAM to maintain continuity with the TSC and communications with the Set Up Team.

3. Ensure that communications are established and checked at the alternate OSC.

4. Notify the TSC and Emergency Coordinator that the alternate OSC is operational and the primary OSC has been shutdown.

B. Maintenance Re-entry Supervisors

1. Identify tools and equipment for transfer.

2. Make vehicles available to transport equipment.

3. Maintain communications with Re-entry Teams.

ATTACHMENT 2E
GUIDELINES FOR RELOCATION OF THE OSC
(Page 2 of 2)

C. HP and Chemistry

1. Develop a relocation briefing regarding radiological conditions and travel route.

2. Chemistry assist HP in gathering Emergency Kit equipment, dosimetry, and exposure records and prepare for transport.

3. At the new location, reestablish:

   a. Access control

   b. Habitability surveys

   c. Decon location

D. Security

1. Reestablish accountability at the new location.

2. Ensure that the alternate location is identified to Security roadblocks.

E. Admin Tech and Logkeeper

1. Create a new layout for the OSC in the alternate location, as necessary.

2. Create a new call list of OSC phone numbers in the alternate location.

   a. A minimum of ten (10) phone lines should be identified, including one line for a telecopy machine, if a machine is available.

      1) Radio channels may need to be substituted for missing phone lines.

3. Ensure all status board information is recorded and transferred.

ATTACHMENT 2F
OSC FACILITY BRIEFINGS
(Page 1 of 1)

A. GENERAL GUIDELINES

1. Conducted by the OSC Supervisor or his/her designee.

2. Establish a frequency (e.g., every 30 minutes or directly following the EC portion of the TSC briefings via the "Videolink").

3. Set criteria (i.e., attendance, noise and activity level, circulation of information).

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

1. Time of the briefing

2. Current emergency classification

3. Plant status (affected Unit, unaffected Unit)

4. Radiological conditions (e.g., release in progress, contaminated areas, etc.)

5. Status of protective actions (e.g., site evacuation, actions underway by the public, etc.)

6. Status of activities underway in the facility

7. Request input/update information from other representatives (e.g., OPS, HP, Chem, Maintenance, Engineering, Security, etc.)

8. Major activity(s) underway in other facilities (e.g., notifications, field monitoring, dose assessment, etc.)

9. Concerns or questions

ATTACHMENT 3
OSC COORDINATOR WITH TSC 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. _____

2. Establish communication link with the TSC Coordinator with OSC (in the TSC). _____

3. Synchronize OSC clocks with the TSC. _____

B. FACILITY OPERATION

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

   a. Ensure all requests for re-entry activities are documented on Attachment 3A, Re-entry Log.

      1) Complete the Task Request section of Attachment 3A (letters A - C) with information provided by the TSC Coordinator with OSC.

   b. Give the Re-entry Log to the OSC Supervisor for completion of the Team Assignment section.

   c. Upon return of the Re-entry Log form from the OSC Supervisor:

      1) Provide the information in the Team Assignment section of Attachment 3A, Re-entry Log (letters D - G) to the TSC.

      2) Instruct the OSC Administrative Tech/Logkeeper to update the OSC Status Board with Re-entry Team information.

ATTACHMENT 3
OSC COORDINATOR WITH TSC CHECKLIST
(Page 2 of 2)

B. 1. (continued) INITIAL

d. Inform the OSC Supervisor when the EC/TSC will be conducting a facility briefing.

e. Monitor information on the status board for accuracy.

f. Provide temporary coverage for the OSC Supervisor during Re-entry Team briefings and debriefings, as requested.

C. FACILITY CLOSEOUT AND RESTORATION

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

1. Phone connection to TSC terminated. _____

2. All Re-entry Log entries completed and closed out. _____

3. Provided all completed paperwork (not bound in the position notebook) to the OSC Supervisor. _____

4. Returned position notebook to storage shelf. _____

¶7

ATTACHMENT 3A
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. *Priority: ☐ **1** (target 10 mins) ☐ **2** (target 20 mins) ☐ **3** (target 30 mins)

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. *Priority: ☐ **1** (target 10 mins) ☐ **2** (target 20 mins) ☐ **3** (target 30 mins)

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:_____

* Assignment of Priorities / Re-Entry Team Dispatch Targets
(Assignment of priorities is made by the TSC. The dispatch times are targets that should be vigorously pursued.)

Priority 1 - Dispatch within 10 minutes (e.g., fire, injury, specific Operator actions such as App. X, etc)
Priority 2 - Dispatch within 20 minutes (e.g., Emergency Coordinator top priority, actions required to protect the health and safety of the public, etc.)
Priority 3 - Dispatch within 30 minutes (e.g., routine re-entry)

ATTACHMENT 4
OSC ADMINISTRATIVE TECH/LOGKEEPER CHECKLIST
(Page 1 of 2)

NOTE

- Two persons serve in this position. A division of labor should be established that best supports the OSC Supervisor.
- 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. _____

2. Ensure status boards in the OSC are clean prior to facility activation. _____

3. Ensure the television sets in rooms 2200 and 2300 are turned on and set on channel 9 (for the "Videolink"). _____

B. FACILITY OPERATION

1. Ensure that all personnel in both Rooms 2200 and 2300 are signed in on the status board and that this information concurs with Attachment 2A, OSC ERO Shift Staffing and Accountability Roster.

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

   a. Maintain the OSC Supervisor Logbook once turned over from OSC Supervisor (use Attachment 4A, Log Keeping and Status Boards).

   b. Maintain the OSC Status Board (use Attachment 4A, Log Keeping and Status Boards).

   c. Review status board entries with the OSC Coordinator with TSC to ensure accuracy.

   d. Provide administrative assistance and supplies to the OSC Supervisor and Re-entry Supervisors (supplies are available in the HP Emergency Kit).

ATTACHMENT 4
OSC ADMINISTRATIVE TECH/LOGKEEPER CHECKLIST
(Page 2 of 2)

C. FACILITY CLOSEOUT AND RESTORATION — INITIAL

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

1. The status board has been cleared and returned to preactivation condition. _____

2. Provided all completed paperwork (not bound in the position notebook) to the OSC Supervisor. _____

3. Returned position notebook to storage shelf. _____

ATTACHMENT 4A
LOGKEEPING AND STATUS BOARDS
(Page 1 of 1)

LOG KEEPING

1. Example of information to be documented
   a. Key events (e.g., classification changes, injuries, etc.)
   b. Status changes in equipment, radiological conditions, personnel, etc.
   c. Decisions or actions taken
   d. Status board entries
   e. Other items of significance
2. Log entry requirements
   a. Time of entry
   b. Use ink
   c. Write legibly
   d. Use concise and accurate wording
   e. Strike through and initial any changes
   f. Do not remove pages from the log

STATUS BOARDS

1. Information should be updated every 15-30 minutes and not longer than 60 minutes.
2. Review posted information for accuracy (e.g., review the Re-entry Team number against the Re-entry Log) and verify discrepancies with the OSC Coordinator with TSC.
3. Designate corrected information by circling the entry on the board.
4. When all available blanks are filled in for a given parameter/item, begin again with a different colored marker, erase the existing information (one blank/line at a time) and enter the new information.

ATTACHMENT 5
OSC RE-ENTRY SUPERVISOR CHECKLIST
(Page 1 of 4)

NOTE

1. This checklist applies to the following Re-entry Supervisor positions (responsibilities of the OSC HP Re-entry Supervisor (HPOSC) are provided in HP-200, Health Physics Emergency Organization):

   OSC Electrical Re-entry Supervisor
   OSC Mechanical Re-entry Supervisor
   OSC OPS Re-entry Supervisor
   OSC I&C Re-entry Supervisor
   OSC Chemistry Supervisor

2. This attachment also provides guidelines for the following Re-entry Team members:

   OSC Electrician
   OSC Mechanic
   OSC Non Licensed Operators
   OSC I&C Specialist
   OSC Chemist

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. _____

2. Assist in preparation and set-up of the OSC. _____

NOTE

- Initially, on-shift Non-Licensed Operators (NLOs) are under the control of the NPS and are accounted for on the Operations Accountability Aid. Following site evacuation, NLOs report to the OSC and are then considered part of the OSC staff.
- Extra (non on-shift) NLOs report to the OSC and are part of the OSC staff.

3. Ensure departmental Re-entry Team members are signed-in on a form similar to Attachment 2A, OSC ERO Shift Staffing and Accountability Roster. _____

4. Provide activation status of your group to the OSC Supervisor. _____

ATTACHMENT 5
OSC RE-ENTRY SUPERVISOR CHECKLIST
(Page 2 of 4)

B. FACILITY OPERATION — INITIAL

1. All Re-entry Supervisors initiate a Logbook. _____

2. Steps to occur continually by all Re-entry Supervisors while the facility is in operation:

   a. Maintain documentation of activities in the Logbook.

   b. Re-entry Checklist - When directed by the OSC Supervisor complete the following in response to a request for a Re-entry Team:

      1) Complete Part I, Team Assignment, portion of Attachment 5A, Re-entry Team Form, as requested by the OSC Supervisor by selecting Re-entry Team members and a Re-entry Team Leader. Provide names and TLD numbers to the HP OSC Supervisor.

      2) Work with other members of the OSC staff to complete Part II, Task, of the Re-entry Team Form.

      3) Review Attachment 5B, Re-entry Team Guidelines, as necessary.

      4) Complete Part III, Team Briefing, of Attachment 5A, Re-entry Team Form.

      5) Provide the Re-entry Team Form to the OSC Supervisor for briefing verification.

      6) Once dispatched, communicate with the Re-entry Team and keep the OSC Supervisor informed of status/activities.

      7) Upon return to the OSC, direct the Re-entry Team to complete Part IV, Field Notes, of Attachment 5A, Re-entry Team Form, as appropriate.

      8) Retain completed copies of Attachment 5A, Re-entry Team Form.

ATTACHMENT 5
OSC RE-ENTRY SUPERVISOR CHECKLIST
(Page 3 of 4)

B. 2. (continued) INITIAL

c. Coordinate shift relief activities with the OSC Supervisor.

d. Perform shift turnover with an alternate Re-entry Supervisor, when directed.

1) Ensure shift turnover of other departmental re-entry personnel.

3. ¶4 OPS Re-Entry Supervisor

a. Establish link with OPS Conference Bridge (originated in the TSC). _____

NOTE
At site evacuation and at the direction of the EC, NLOs will report to the OSC.

b. Verify that on-shift NLOs are aware of the following (may be communicated through the Control Room or directly):

1) Emergency dosimetry (Electronic Personal Dosimeter (EPD)), in the Control Room HP Emergency Kits, must be used at ALERT or higher emergency class. _____

2) The EC will direct the NLOs to the OSC following a site evacuation. _____

3) Travel route to the OSC will be established by the HPOSC. _____

ATTACHMENT 5
OSC RE-ENTRY SUPERVISOR CHECKLIST
(Page 4 of 4)

B. 3. (continued) INITIAL

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 public health and safety.

c. Coordinate operator actions over the OPS Conference Bridge and in conjunction with the OSC Supervisor.

C. FACILITY CLOSEOUT AND RESTORATION

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

1. Directed departmental personnel to turn in documentation. _____

2. Closed out the Logbook. _____

3. Generate Nuclear Plant Work Orders (NPWOs), following termination of the emergency, to ensure all maintenance activities are recorded in plant maintenance program records, as necessary. _____

4. Provided all completed paperwork (not bound in the position notebook) to the OSC Supervisor. _____

5. Returned position notebook to storage shelf. _____

¶7

ATTACHMENT 5A
RE-ENTRY TEAM FORM
(Page 1 of 1)

Part I. Team Assignment

A. Team No.:_____ B. Team Leader:_____

C. Team Members:

Name	TLD	Name	TLD
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Part II. Task ( ) Investigate ( ) Repair ( ) Other

A. Task Description:_____

_____

B. Assessment: (The Re-Entry Supervisor should ensure all applicable areas are considered.)

( ) Clearance (OPS) ( ) Security ( ) Safety / Heat Stress
( ) Radiological ( ) Tools ( ) Materials / Parts
( ) Procedures / Drawings
( ) Special Considerations_____

C. Communications:

Re-Entry Supervisor Name:_____

Primary: ( ) Radio channel _____ Alternate: ( ) Phone ext(s)_____

Part III. Team Briefing

Briefing Check-off: (The Re-Entry Supervisor should ensure all applicable areas have been reviewed during the briefing.)

( ) description of task ( ) team has necessary tools, etc
( ) HP briefing – radiological conditions / dress-out, etc ( ) communications
( ) Special considerations_____

Completed by:_____, Re-entry Supervisor or OSC Supervisor

Verified by:_____, OSC Supervisor

Part IV. Field Notes

The Re-Entry team may use this section for any notes about conditions found, work completed, etc.

_____
_____
_____
_____
_____
_____

Part V. De-Brief

A. Time returned to OSC:_____

B. Conditions found / Task Completed?:_____

C. Task De-brief completed by:_____

D. Team report to HP / Dosimetry:_____

ATTACHMENT 5B
RE-ENTRY TEAM GUIDELINES
(Page 1 of 1)

MEMBERS OF RE-ENTRY TEAMS:

1. Should obtain, as appropriate, tools, equipment, supplies, and communications equipment necessary to perform emergency repair/damage control activities.

2. Should report any equipment or supply problems to the Re-entry Supervisor.

3. Shall don personal protective equipment/clothing and dosimetry, if directed by the HPOSC.

4. Should proceed along the pre-planned route to the work location and perform emergency repair/damage control activities, as directed by the Re-entry Supervisor, HPOSC, and OSC Supervisor.

5. Should maintain communications with the Re-entry Supervisor.

6. Should request additional personnel/equipment, as necessary, through the Re-entry Supervisor.

7. Shall check dosimetry/monitor exposure. If the alarm of the Electronic Personal Dosimeter (EPD) sounds, follow the instructions provided by the HPOSC.

8. Should follow the self-monitoring and personnel decontamination procedures as specified by the HPOSC, when the re-entry is complete.

9. Should complete Part IV, Field Notes, in Attachment 5A, Re-Entry Team Form, and report to the OSC Supervisor for debrief on return to the OSC.

10. Should report to HP for exposure history update.

11. Should stand-by for further instructions from the Re-entry Supervisor.

ATTACHMENT 6
OSC RE-ENTRY FOREMAN CHECKLIST
(Page 1 of 2)

NOTE

1. This checklist applies to the following Re-entry Foreman positions:

OSC Electrical Chief
OSC Mechanical Foreman
OSC I&C Shop Supervisor

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. _____

2. Assist the Re-Entry Team Supervisor in identification of departmental journeyman. _____

B. FACILITY OPERATION

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

   a. Assist the Re-entry Supervisor in re-entry activities as follows:

      1) Evaluation of re-entry tasks.

      2) Selection of departmental personnel for re-entry tasks.

ATTACHMENT 6
OSC RE-ENTRY FOREMAN CHECKLIST
(Page 2 of 2)

B. 1. a. (continued) INITIAL

NOTE

- A computer provides a LAN connection and access to the Total Equipment Database (TEDB) in Passport.
- Procedures, Tech Manuals, and drawings are available across the hall from the OSC in the Maintenance Library (an Information Services representative is part of the OSC staff, if needed).

3) Determination of level of instruction needed by the Re-entry Team members.

4) Selection of tools, equipment, and supplies necessary to perform emergency repair/damage control activities.

b. Perform as a Re-entry Team Leader, as directed. _____

C. FACILITY CLOSEOUT AND RESTORATION

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

1. Directed departmental personnel to evaluate status of equipment and supplies and report deficiencies. _____

2. Had departmental Re-entry Team members return all equipment and supplies to normal/storage locations. _____

3. Provided all completed paperwork (not bound in the position notebook) to the OSC Supervisor. _____

4. Returned position notebook to storage shelf. _____

ATTACHMENT 7
OSC DEPARTMENTAL REPS CHECKLIST
(Page 1 of 3)

NOTE

1. This checklist applies to the following OSC Department Reps:

OSC Safety Rep
OSC Information Services Rep
OSC NMM Staff Rep
OSC Protection and Control Rep

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. _____

2. OSC Information Services Rep

   a. Verify procedures by posting revision numbers on the status board. Post all procedures (EPIP, HP, Chem). Consult the control copy (#807) of procedures in the OSC HP Emergency Kit or follow the steps below to print out an EPIP list. _____

      1) On the Nuclear Notes Page, PSL Notes Applications, CLICK on "Procedures".

      2) On the PSL Documents page, CLICK on "Procedures".

      3) On the "Search" toolbar, CLICK the far right tab labeled "More".

      4) In the lower middle portion of the expanded "Search" toolbar, CLICK on "Load Search".

      5) SELECT "Group Search (Shared)" from the drop down menu.

      6) In the "Search for" line, TYPE "EP" (where the "XX" is).

      7) CLICK on "Search" or HIT "Enter".

ATTACHMENT 7
OSC DEPARTMENTAL REPS CHECKLIST
(Page 2 of 3)

A. 2. a. (continued) INITIAL

8) EPIP list is now displayed (procedures are not in any particular order).

9) To print the list, Click on "Print Index".

10) To print the list:

- Click the File.
- Select Print from the drop down menu.
- Select View Options in the dialogue box.
- Click OK.

b. Ensure copies of the Emergency Response Directory (ERD) are available for use by the OSC Supervisor and OSC Re-entry Supervisors. Copies of the ERD may be obtained from the HP Emergency Kit.

3. OSC Safety Rep (or as designated by the OSC Supervisor)

a. Initiate set up of Room 2200 in accordance with Attachment 7A, Room 2200 Guidelines, and 7B, Room 2200 Set Up. _____

B. FACILITY OPERATION

NOTE
Computers are available in Room 2300 for accessing the LAN, as needed.

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

a. OSC Safety Rep (or as designated by the OSC Supervisor)

1) Supervise activities in Room 2200. Follow the guidance provided in Attachment 7A, Room 2200 Guidelines.

/R7 /R7

ATTACHMENT 7
OSC DEPARTMENTAL REPS CHECKLIST
(Page 3 of 3)

B. 1. (continued) INITIAL

b. Each representative should be alert to assist the OSC Supervisor in advising Re-entry Teams or participating in re-entry as needed.

c. Provide support and/or expertise as follows:

1) OSC NMM Staff Rep - materials and equipment in Stores

2) OSC Protection and Control Rep - off-site power and switchyard issues

3) OSC Information Services Rep - obtain and/or produce copies of tech manuals, drawings, procedures, diagrams and other controlled documents, as requested.

C. FACILITY CLOSEOUT AND RESTORATION

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

1. Provided all completed paperwork (not bound in the position notebook) to the OSC Supervisor. _____

2. Returned position notebook to storage shelf. _____

ATTACHMENT 7A
ROOM 2200 GUIDELINES
(Page 1 of 3)

A. SET UP

1. Instruct personnel to arrange the tables and chairs in accordance with the facility layout shown in Attachment 7B, Room 2200 Set Up. Each department should ensure their area is properly located and arranged.

2. The OSC Supervisor should be advised when the room is set up.

B. STAFF AND ACCOUNTABILITY

1. Assist Security in establishing accountability by instructing all personnel to sign in on Attachment 2A, OSC ERO Shift Staffing and Accountability Roster. Instruct all foremen to ensure their personnel are signed in.

2. Ensure one completed copy of Attachment 2A is provided to the OSC Supervisor and another completed copy is given to one of the OSC Administrative Tech/Logkeepers.

C. CONDUCT OF FACILITY OPERATIONS

1. Identify and process personnel from HP, OPS, Chemistry and Maintenance to initially establish a rapid response/contingency Re-entry Team.

2. Review the rules:

   a. Orderly conduct is to be maintained at all times.

   b. Personnel are to listen to TSC briefings broadcast over the Videolink.

   c. Briefings will occur following the TSC briefings (approximately every 30 minutes) and will allow for questions.

   d. Personnel are allowed to leave Room 2200 (to use the bathroom, make copies, go the Maintenance Library, etc.), but must notify their foreman if appropriate, and in all instances, sign out on roster provided by Security.

   e. Personnel are NOT to enter Room 2300 unless instructed to do so.

ATTACHMENT 7A
ROOM 2200 GUIDELINES
(Page 2 of 3)

C. (continued)

3. Have personnel identify any tools, instruments or other supplies that are necessary for their response efforts. These requests need to be provided to the OSC Supervisor so that arrangements can be made to obtain this material.

D. HP BRIEFINGS

1. In addition to re-entry specific briefings, HP should routinely provide general HP briefings to personnel addressing the following:

   a. Location of the Access Control Point.

   b. Current dress out requirements.

   c. Dosimetry, alarm setpoints, and appropriate actions if an alarm should sound.

   d. General radiological conditions based on on-site survey data.

   e. Radiological conditions in the OSC.

   f. Release or dose concerns.

E. SAFETY BRIEFINGS

1. Safety considerations associated with re-entries should include:

   a. Clearance considerations.

   b. Caution in unknown environments, for example, be wary of steam leaks or other potentially dangerous conditions.

   c. Personal safety with respect to your physical condition, for example, remain sensitive to the dangers of Heat Stress.

   d. Be familiar with surroundings and alert to changing conditions.

ATTACHMENT 7A
ROOM 2200 GUIDELINES
(Page 3 of 3)

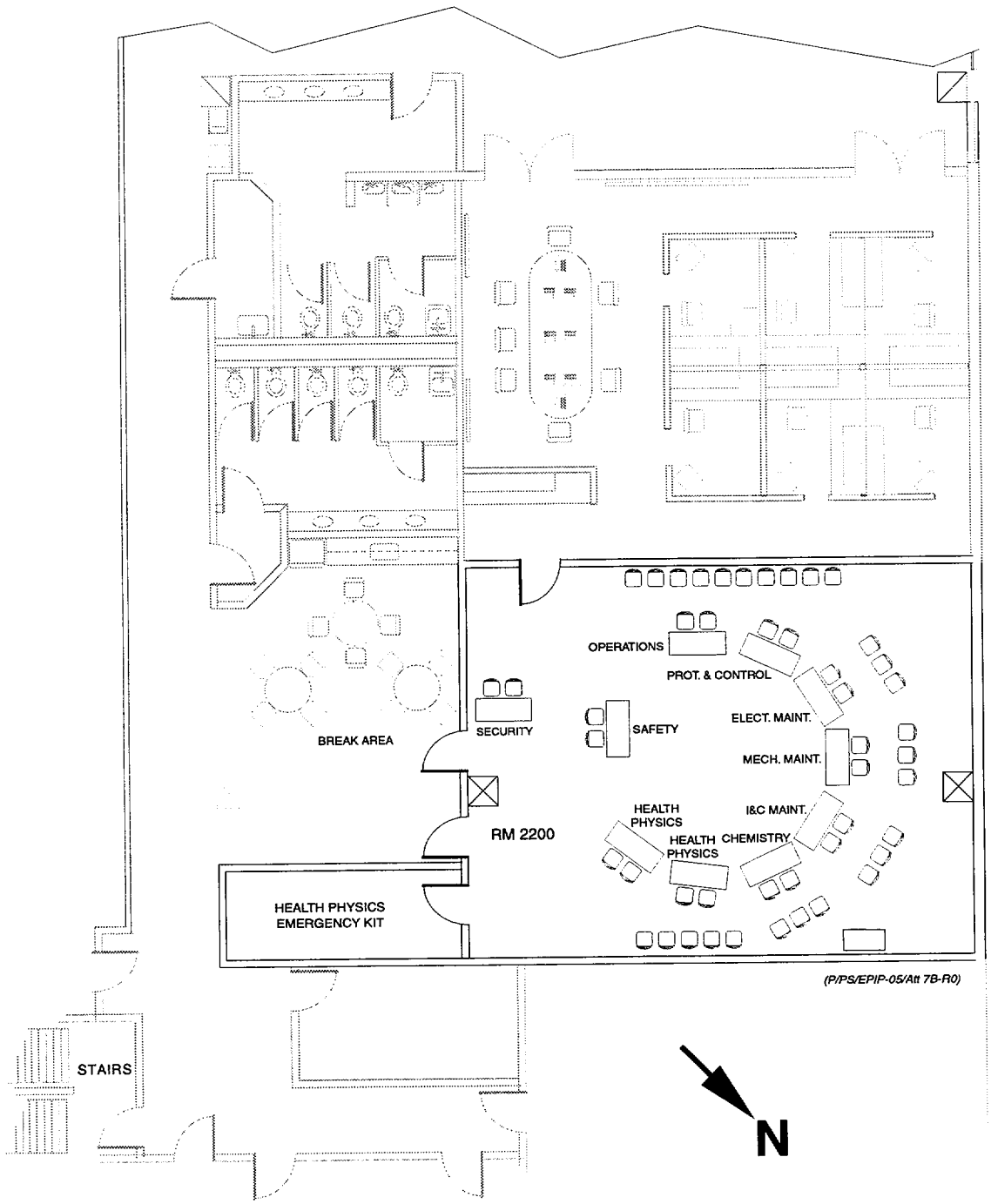
E. 1. (continued)

e. Keep in contact with the Re-entry Supervisor.

f. Perform the work as safely as possible.

2. When in the field, always review any proposed change in the re-entry plan (ingress, egress, or assigned task) with the Re-entry Supervisor.

ATTACHMENT 7B
ROOM 2200 SET UP
(Page 1 of 1)



ATTACHMENT 8
OSC SECURITY CHECKLIST
(Page 1 of 3)

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. _____

NOTE
Priority is given to identifying the minimum staff (positions in bold on Attachment 2A) which allows the OSC Supervisor to declare the OSC operational. Accountability must be established for both Room 2200 and 2300. The facility head count must agree with the number of persons signed in on the accountability forms.

2. Using Attachment 2A, OSC ERO Shift Staffing and Accountability Roster, initiate the establishment of initial facility accountability. _____

B. FACILITY OPERATION

NOTE
Priority is given to identifying the minimum staff (positions in bold on Attachment 2A) which allows the OSC Supervisor to declare the OSC operational. Accountability must be established for both Room 2200 and 2300. The facility head count must agree with the number of persons signed in on the accountability forms.

1. Log the names and badge numbers of persons filling the following positions and maintain accountability for them even after leaving the facility and/or site:

   a. Assembly Area Supervisor: _____

   b. Control Room HP coverage

      1) Unit 1: _____

      2) Unit 2: _____

ATTACHMENT 8
OSC SECURITY CHECKLIST
(Page 2 of 3)

B. 1. (continued) INITIAL

c. Field Monitoring Team - Red

1) Driver: _____

2) HP: _____

d. Field Monitoring Team - Blue

1) Driver: _____

2) HP: _____

e. Field Monitoring Team - Orange

1) Driver: _____

2) HP: _____

f. Other (e.g., HP sent to off-site Assembly Area, hospital, etc.):

2. Establish initial facility personnel accountable roster required 30 minute following evacuation of non-essential personnel. _____

3. Revise accountability when Non Licensed Operators report to the OSC following site evacuation. _____

4. Coordinate with the Assembly Area Supervisor to establish Security at the off-site Assembly Area based on Security resources availability. _____

ATTACHMENT 8
OSC SECURITY CHECKLIST
(Page 3 of 3)

B. (continued) INITIAL

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

   a. Assist the TSC Security Supervisor in maintaining site accountability.

   b. Assist Re-entry Teams in gaining access to plant areas, as needed.

   c. Assist off-site agencies in gaining plant access.

   d. Advise the OSC Staff of security related matters.

   e. Follow Security Procedures.

C. FACILITY CLOSEOUT AND RESTORATION

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

1. Provided all completed paperwork (not bound in the position notebook) to the OSC Supervisor. _____

2. Returned position notebook to storage shelf. _____