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United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261/LICENSE NO. DPR-23

TRANSMITTAL OF EMERGENCY PROCEDURE REVISIONS

Ladies and Gentlemen:

In accordance with 10 CFR 50.4(b)(5) and Appendix E to 10 CFR 50, Carolina Power and Light (CP&L) Company is transmitting revisions to H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2, Emergency Implementing Procedures. The procedure revisions and effective dates are listed in the attachment to this letter.

A description of the procedure changes are provided on the "Summary of Changes" page for the emergency procedures. Please replace the superseded procedures with the attached revisions.

If you have any questions concerning this matter, please contact Mr. C. T. Baucom.

Sincerely,

A handwritten signature in cursive script, appearing to read 'C. T. Baucom'.

C. T. Baucom
Supervisor – Licensing/Regulatory Programs

CAC/cac

Attachment

Enclosures

- c: L. A. Reyes, NRC, Region II (2 copies)
NRC Resident Inspector, HBRSEP
C. Patel, NRC, NRR (w/o Attachment)

A043

Procedure Revision and Effective Date

Procedure	Revision No.	Effective Date
EPEOF-01, "Emergency Response Manager"	6	01/28/2003
EPSPA-02, "First Aid and Medical Care"	4	01/28/2003
EPTSC-01, "Site Emergency Coordinator"	6	01/28/2003
EPTSC-04, "Radiological Control Director"	6	01/07/2003
EPTSC-06, "Emergency Security Team Leader"	3	01/09/2003

CAROLINA POWER & LIGHT COMPANY
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

PLANT OPERATING MANUAL

VOLUME 2
PART 5

EMERGENCY PROCEDURE

EPEOF-01
EMERGENCY RESPONSE MANAGER

REVISION 6

SUMMARY OF CHANGES

STEP #	REVISION COMMENTS
Attachment 8.1.5.1	Revise section C. to include status of ERDS (AR 70608)
All Pages	revise page numbering to be like plant procedure AP-007 (AR 73931)
All Pages	change revision number to 6

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EMERGENCY RESPONSE MANAGER (ERM) QUICK START GUIDE

NOTE: Blanks are provided for place keeping ✓'s only, logs are the official record.
This is a summary level guide and does not replace the procedure steps.

1. Sign in on the facility sign-in board/roster. Log on to the Electronic Display System (EDS). _____
2. If dialogic was used for callout, upon arrival at the Facility, notify Dialogic at X 1777. _____
3. Verify EOF staffing and resources available to prepare for facility activation. _____

_____ AERM	_____ S/C EC	_____ POA
_____ ERM Admin Asst	_____ PI EC	_____ ALM
_____ EC	_____ RCM	_____ EnMon TL
	_____ TAM	_____ DPTL
4. Review Emergency Notification Forms and press releases issued. _____
5. Direct the EOF staff to prepare for initial plant status briefing. _____
6. Obtain initial plant status briefing from the Control Room (CR) or the Technical Support Center (TSC). _____
– Use Attachment 8.1.5.1 for guidance.
7. Request TSC support for EOF areas not prepared to assume emergency response role. This does not include offsite communications. _____
8. Activate EOF as soon as possible. A minimum of the Emergency Response Manager (ERM) and the Emergency Communicator (EC) shall be available. _____
9. Refer to procedure steps. _____

8.1 EMERGENCY RESPONSE MANAGER (ERM)

8.1.1 PURPOSE

1. This procedure describes the functional responsibilities and procedure steps for the Emergency Response Manager (ERM).

8.1.2 RESPONSIBILITIES

1. Maintain overall command and control of the company's response to the emergency and the Emergency Operations Facility (EOF).
2. Maintain unilateral authority to commit company resources to the emergency response.
3. Maintain communications regarding the emergency with internal and external contacts.
4. Approve Emergency Notification Forms and press releases.
5. Recommend Protective Actions to the offsite agencies.
6. Manage the company's offsite radiological monitoring and dose projection.

8.1.3 INSTRUCTIONS

NOTE: The non-delegable duties to:

1. Notify Off-site authorities, and
2. Formulate Protective Actions Recommendations (PAR) transfer to the ERM upon activation of the EOF.

1. Upon notification of an emergency, the ERM shall interface with the Site Emergency Coordinator (SEC)-CR or Technical Support Center (TSC) to determine if the EOF shall be activated.
 - a. EOF activation is required at an Alert or higher emergency classification level but will normally activate simultaneously with the TSC.

8.1.3 (Continued)

2. Determine if conditions exist which would prevent immediate occupancy of the EOF. In the event of a chemical/toxic hazard contact the Site Industrial Safety Representative/designee for appropriate protective actions. Consider monitoring for gas intrusion.
3. Determine if the EOF Alternate Assembly Area, located at the South Carolina National Guard Armory, located on SC Highway 151, shall be a preferable assembling location.
4. The EOF shall relieve the CR or the TSC of offsite communications as soon as possible.
 - a. To accomplish this, the EOF can activate with the presence of the ERM and the Emergency Communicator (EC).
5. Direct the EOF staff to prepare for activation.
6. Complete Attachment 8.1.5.1, Turnover Checklist.
7. Brief the EOF staff regarding the information from the turnover if not completed as a group on the speaker phone.
8. Advise EOF staff regarding eating and drinking requirements.
9. Schedule subsequent facility briefings. (30-60 minute time frame)
10. Approve Emergency Notification Forms.
 - a. Notification is required within 15 minutes for initial classification.
 - b. Follow-up notifications are required every 30-60 minutes or for any event which significantly impacts the health and safety of the public.

8.1.3 (Continued)

11. Approve press releases.
 - a. Following the activation of the EOF, press releases should be available for issue to the news media following:
 - A change of an emergency classification, or
 - A radiological release as a result of the emergency, or
 - Other significant events provided to the offsite agencies via an Emergency Notification Form.
12. Confer with Joint Information Center (JIC) personnel upon their arrival at the JIC. The Public Information Emergency Communicator (PI-EC) and the JIC Emergency Response Organization (ERO) beepered positions shall maintain public/media response to the emergency until the JIC is appropriately staffed.
13. Review and maintain awareness of dose projection and environmental field monitoring activities.
 - a. This includes administration of Potassium Iodine (KI), dosimeter correction factor, and expanded environmental monitoring.
14. Formulate and communicate PARs to the State and Counties.
15. Ensure the Assistant to the Emergency Response Manager (AERM) is maintaining contact with Unit 1 and the Darlington County Plant. Habitability screening may be necessary if personnel remain in the area.
16. Notify state and counties to provide "heads-up" information as necessary. Provide assistance as requested. Refer to the Emergency Response Organization (ERO) Telephone Directory for telephone numbers.
17. Notify Corporate Senior Management periodically regarding plant status updates. Refer to the ERO Telephone Directory for telephone numbers.

8.1.3 (Continued)

18. Determine the need for and request assistance from neighboring utilities. Refer to the ERO Telephone Directory for telephone numbers.
19. Confer with the SEC periodically to ensure continuity of operations and response.
20. Initiate necessary action per Attachment 8.1.5.2, Recovery Consideration Guidance.
 - a. Recovery operations should not interfere with emergency response.
 - b. Consider use of outage organization to begin recovery planning in parallel with emergency response.

8.1.4 **RECORDS**

N/A

8.1.5 **ATTACHMENTS**

- 8.1.5.1 Turnover Checklist
- 8.1.5.2 Recovery Consideration Guidance

ATTACHMENT 8.1.5.1
Page 1 of 3
TURNOVER CHECKLIST

This checklist is guidance for turning over the Site Emergency Coordinator responsibilities from the Control Room to the Technical Support Center, for turning over offsite responsibilities from the Site Emergency Coordinator to the Emergency Response Manager, or for assuming or relinquishing the SEC or ERM position.

NOTE: Blanks are provided for place keeping ✓'s only, logs are the official record. This is a summary level guide and does not replace the procedure steps.

A. Establish ERFIS as official time for log keeping unless unavailable. _____

B. ONSITE SITUATION

1. Review Emergency Classification, basis for declaration, and mitigating actions. Suspend turnover if plant conditions exist that change the classification, notification, or PARs. _____

- a. Review status of safety equipment and systems.
- b. Review status of fission product barriers.
- c. Review condition/stability of reactor.
- d. Review any Emergency Action Levels exceeded.
- e. Review cause, history, initiating events leading to declaration of emergency.

2. Review onsite protective actions taken. _____

- a. Assembly
- b. Shelter
- c. Evacuations (Local, Protected Area, Site, Exclusion Area)

NOTE: If there is a Site Evacuation, Unit 1 may need to continue operating.

- d. Potassium Iodide Administration
- e. Complete PLP-015 Overtime Form for ERO as appropriate.

ATTACHMENT 8.1.5.1
Page 2 of 3
TURNOVER CHECKLIST

3. Review status of offsite assistance requested for the site. _____
- a. Fire Department
 - b. Rescue Squad
 - c. Local Law Enforcement Agency

C. OFFSITE SITUATION

1. Review Status of Offsite Notifications. _____
- State and County initial and any follow-up messages
 - NRC (Including Status of ERDS activation per EPCLA-01)
 - Other: Westinghouse, Ebasco, INPO
 - Any needed notifications that have not been made
2. Review Protective Action Recommendations made and notifications made to the State and Counties. _____
3. Review any communications received from the State or Counties regarding activation, readiness, protective actions, or requests for information. _____
4. Review data on any projected or actual radiological releases. _____
5. Review the time and content of any press releases or media briefing. _____

ATTACHMENT 8.1.5.1
Page 3 of 3
TURNOVER CHECKLIST

D. EMERGENCY RESPONSE

1. Review status of Emergency Response Organization Activation. _____
 - Notifications made to off-duty and offsite personnel. _____
 - Emergency Response Facilities that are activated. _____
 - Emergency Response Facilities that will be activated. _____
 - Other notifications needed. _____
2. Review outside organizations requested to mobilize. _____
3. Review assistance needed. _____
4. After the TSC-SEC assumes responsibilities for the event declaration, the CR-SEC maintains responsibility to keep the TSC updated of changing conditions and the urgency of declaring events based on the changing conditions. _____

E. TURNOVER COMPLETED _____

ATTACHMENT 8.1.5.2
Page 1 of 1
RECOVERY CONSIDERATION GUIDANCE

1. Identify personnel to assume the positions required for the Recovery Organization. See PLP-007, Robinson Emergency Plan.
2. In conjunction with the Site Emergency Coordinator, develop a recovery plan.
3. Identify resources needed to complete the recovery.
4. Obtain any services and equipment necessary to complete the needed repair.
5. Conduct post accident evaluations of the causes and consequences of the incident.
6. Assess and determine the overall damage.
7. Obtain all necessary licenses, or amendments to licenses, required for repair of the unit and disposal of waste products.
8. Coordinate with local and state agencies to keep them informed of onsite activities on a timely basis and provide support for any offsite protective actions required during the recovery phase.
9. Maintain security for the plant and associated facilities.
10. Coordinate NRC activities at the site in an effort to avoid duplication and minimize impact on the plant staff.
11. Control personnel exposure during reentry and recovery.
12. Consult with the Corporate legal staff.
13. Review PLP-037, "Conduct of Infrequently Performed Tests or Evolutions".

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PLANT OPERATING MANUAL

VOLUME 2
PART 5

EMERGENCY PROCEDURE

EPSPA-02
FIRST AID AND MEDICAL CARE

REVISION 4

SUMMARY OF CHANGES

STEP #	REVISION COMMENTS
Step 8.2.3.6	Revised procedure to allow the use of equivalent forms for documenting patient medical status and contamination locations.
Step 8.2.3.4.d (new)	Revised step to provide instructions for radiological monitoring of injured individuals who have not entered the RCA.
Step 8.2.3.8.b	Revised procedure to allow the use of equivalent forms for documenting patient medical status and contamination locations.
Entire Procedure	Changed page numbering format to reflect AP-007 requirements.

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8.2.1 PURPOSE

1. To direct site response to medical casualties.

8.2.2 RESPONSIBILITIES

1. Upon notification of a injured person, the Control Room should make an announcement over the public address system.
(CR 25100)
 - "Attention plant personnel, there is an injured person at (insert plant location). First responders please respond."
2. Designated site personnel (Chemistry, Security) provides 24 hour per day coverage for First Responder personnel.
 - a. Prior to Technical Support Center (TSC) activation, the First Responders are responsible to the Unit 2 Control Room for first aid to accident victims.
 - b. After TSC activation, The First Responders are responsible to the Emergency Security Team Leader (ESTL) for first aid to accident victims.
3. The Unit 2 Control Room will request all ambulance and fire assistance unless prohibited by casualty mitigation.
 - a. In such cases, Logistics or other available personnel will request assistance.
 - b. Fire and ambulance assistance is obtained by dialing 911.
 - c. If offsite assistance is requested, security shall be notified to expedite access to the site.
 - Specify plant entrance to be used if known.
4. Depending on the severity of the injury, injured personnel will be treated by individuals trained as First Responders.

8.2.3 INSTRUCTIONS

1. Generally, medical treatment shall be provided in the following order.
 - a. Treatment of life threatening injuries
 - This takes precedence over all other activities.
 - b. Decontamination activities.
 - c. Administer first aid.
 - d. Definitive medical treatment and therapy.
2. The responder with the highest level of medical qualification shall assume control of the accident scene.
 - a. Attachment 8.2.5.1, Basic First Aid Guidelines, provides guidelines for treatment of injuries.
3. The First responder, or other medically qualified individual shall:
 - a. Administer first aid treatment for life threatening injuries.
 - b. Determine or estimate and report to the Unit 2 Control Room:
 - number of injured personnel;
 - nature and severity of the accident;
 - names of the injured;
 - any posted contamination levels and dose rates;
 - special medical needs;
 - transportation for any injuries requiring off site medical attention;
 - closest response location for offsite responders.

8.2.3 (Continued)

4. Contact Health Physics personnel to evaluate contaminated individuals.
 - a. Injuries in a radiologically controlled area are to be considered potentially contaminated.
 - Whenever practical, decontaminate the victim prior to removal from the radiologically controlled area.
 - When practical every effort should be made to ensure the individual is monitored by contamination.
 - b. Remove contaminated clothing.
 - Proper clothing removal will usually remove 90% of the contamination.
 - c. If injuries in a contaminated area involve an open wound, carefully remove any clothing and bandage to protect the area.
 - d. If the injury occurred within the Restricted Area but outside of a posted radiologically controlled area, consideration should be given to monitoring the individual for contamination prior to release off-site. The nature and extent of injuries to the individual should be considered. (AR #61946)
5. First aid can administered at the accident location or in the first aid room.
6. Record actions taken, vital statistics, etc., on Attachment 8.2.5.2, Patient Radiation and Medical Status or equivalent form.
 - a. This information is required to expedite turnover to off site responders and should accompany the patient to the treatment facility.
7. The Unit 2 Control Room will request any fire or ambulance assistance needed unless prohibited by mitigating the casualty.
 - a. In such case, Logistics personnel or other available personnel will request assistance.

8.2.3 (Continued)

8. For cases involving contamination, Health Physics personnel should perform the following
 - a. Prepare the patient for transport.
 - Spread blanket(s) or sheet(s) over the stretcher.
 - Place patient on the blankets or sheets.
 - Wrap patient in blankets or sheets to the extent possible.
 - If you are unable to move the patient request assistance from the Unit 2 Control Room.
 - Notify the OSC Leader or the assigned E&RC supervisor or Lead Technician of patient medical and radiological status.
 - Inform the Unit 2 Control Room when the patient is ready for transport.
 - b. Record contamination levels and location of wounds on Attachment 8.2.5.3, Personnel Contamination Report or equivalent form.
 - c. A team member or person designated by the Superintendent Shift Operations (SSO) shall accompany the patient to the medical facility to assist medical personnel.
 - d. Ambulance or other transportation personnel should be directed to the Radiological Emergency Room at Carolina Pines Regional Medical Center.
 - Chesterfield General Hospital in Cheraw provides alternate facilities.

8.2.3.8 (Continued)

- e. Record information required on Attachment 8.2.5.4, Transporting Contaminated Injured Personnel log.
- f. Notify the SSO or OSC Leader (if the OSC is activated) of arrival at the treatment facility.
- g. Inform the attending physician of the patient's medical and radiological status and any radiological hazards that may be encountered.
- h. Ensure that attending personnel in the Radiation Emergency Room are wearing dosimetry and are dressed in Anti-C clothing as appropriate.
- i. Establish a controlled area.
- j. Ensure a control point is established.
- k. Monitor all tissue specimens for residual contamination.
- l. Assist in decontamination of the patient as directed by the attending physician.
- m. Monitor and decontaminate all personnel and equipment entering or leaving the controlled area.

8.2.3.8 (Continued)

- n. When the patient has been sufficiently decontaminated and removed from the Radiation Emergency Room the following accountability and decontamination actions shall be performed:
 - Collect all dosimetry and records;
 - Collect all contaminated materials and waste;
 - Monitor and decontaminate hospital equipment as required;
 - Notify the SSO or OSC Leader (if the OSC is activated) when the Radiation Emergency Room is ready for general access.
 - Return Radiation Emergency Room to uncontrolled access.
 - Monitor and decontaminate, as necessary, the transportation vehicle and rescue squad members.
 - Return all records, waste, and dosimeters to the plant for processing.
9. If the patient(s) are wearing a TLD or dosimeter, Health Physics personnel should collect these items prior to leaving site.
 - a. Read the TLD and dosimeter as soon as possible to provide medical personnel with the most accurate record of radiation exposure.
 - b. If due to time constraints the TLD and dosimeter are not removed prior to transport, health physics personnel who accompany the victim to the treatment center should give medical personnel the reading from the dosimeter and return the TLD to site as soon as possible.

8.2.4 **RECORDS**

N/A

8.2.5 **ATTACHMENTS**

8.2.5.1 Basic First Aid Guidelines

8.2.5.2 Patient Radiation and Medical Status

8.2.5.3 Personnel Contamination Report

8.2.5.4 Transporting Contaminated Injured Personnel Log

ATTACHMENT 8.2.5.1
Page 1 of 1
BASIC FIRST AID GUIDELINES

First aid shall be administered using the following guidelines:

- I. Categorize patients into the following priorities for treatment:
 - A. Major injuries, but can be saved
 - B. Minor injuries requiring minimal care
 - C. Terminal, for supportive care
- II. Priorities of Injuries and Treatments:
 - A. Unconscious
 - 1. Check airway and pulse
 - 2. Begin CPR, if necessary
 - 3. Keep warm
 - 4. Decontaminate
 - B. Shock
 - 1. Keep warm
 - 2. Keep flat
 - 3. Decontaminate
 - C. Bleeding (arterial or venous origin)
 - 1. Apply direct pressure
 - 2. Apply tourniquet past extremity joint (only in a life or death situation)
 - 3. Decontaminate
 - D. Fractures
 - 1. Splint
 - 2. Bandage compound wounds
 - 3. Decontaminate

PATIENT RADIATION AND MEDICAL STATUS (to accompany patient)

Date: _____ Time: _____ Responder Name: _____

I. GENERAL INFORMATION:

Patient Name: _____ Badge Number: _____

Age: _____ Sex: M / F

Date of Incident: _____ Time of Incident: _____

Description and location of incident: _____

II. MEDICAL INFORMATION:

Patient's Physician: _____

Chief Complaint: _____

Patient's Medications: _____

Allergies and conditions: _____

Description of Injury: _____

Actions taken: _____

B/P / / / PULSE / / / RESP. / / / PUPILS / / / TIME / / /

ATTACHMENT 8.2.5.2
Page 2 of 2
PATIENT RADIATION AND MEDICAL STATUS

III. RADIOLOGICAL INFORMATION:

External Exposure: Y / N (if no, go to contamination)

Location: WB / Local (describe) _____

Amount of exposure: _____ mREM (Estimated / SRPD)

Type of exposure: γ / β / neutron Badge taken: Y / N

NEUTRON IRRADIATION ONLY: Ring taken? Y / N

Buttons, Hair, Nail clippings taken: Y / N

Actions taken: _____

Contamination: Y / N (if no, go to comments)

Type of contamination: Skin / Internal

SKIN CONTAMINATION ONLY: Location: _____

* See ATTACHMENT 8.2.5.3 (body location map)

Meter reading: _____ CPM

Contaminant Description: _____

Decon methods: _____

INTERNAL CONTAMINATION ONLY: Entry Type: Wound / Ingest. / Inhalation

Contaminant description: _____

Samples taken: Nasal / Urine / Feces / Other
(describe) _____

Orifice decon location: _____

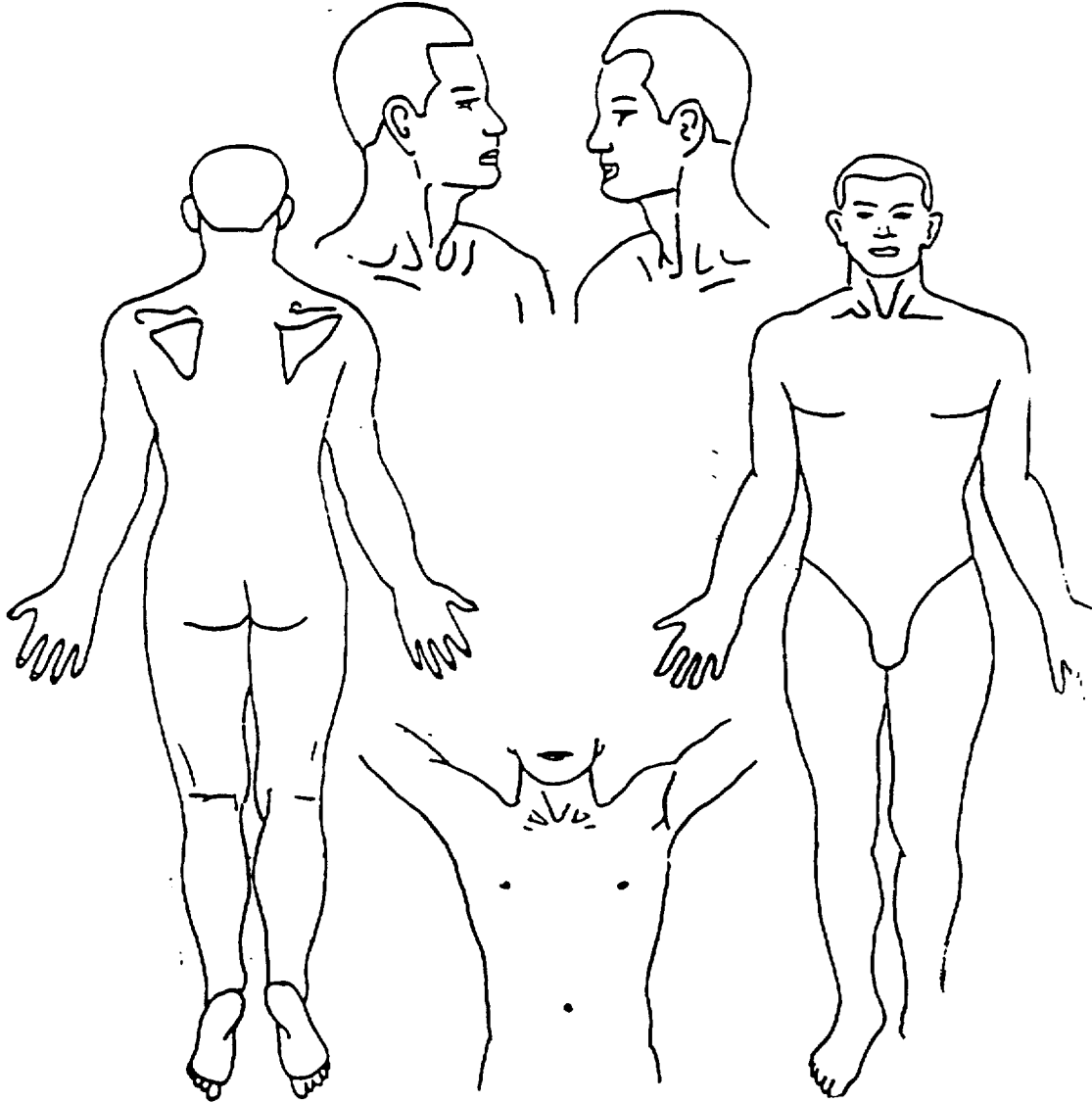
Orifice decon method: _____

Decon fluids kept: Y / N

COMMENTS: _____

PERSONNEL CONTAMINATION REPORT

INDICATE CONTAMINATED AREAS AS TO LOCATION,
DEGREE OF CONTAMINATION AND DECON EFFORT
INDICATE LOCATION OF WOUNDS (Use Additional Sheets if Necessary)



Distance Skin-to-Probe: _____ in. Type of Meter Used _____

Time : _____ (indicate model and number)

TRANSPORTING CONTAMINATED INJURED PERSONNEL LOG

Date: _____ Time: _____

Injured Person: _____

Transporting person(s): _____
(ambulance driver, CP&L driver, etc.)Accompanying person(s): _____
(E&RC Team, Environmental Monitoring Team, etc.)Vehicle number: _____
(License #, CP&L #, etc.)**Persons Involved in Treatment**

Name	TLD#	Exposure

The Transportation Vehicle(s) has been monitored, decontaminated (if necessary), and released. _____

TRANSPORTING CONTAMINATED INJURED PERSONNEL LOG

Record all recommendations, actions, and other data below.

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PLANT OPERATING MANUAL

VOLUME 2
PART 5

EMERGENCY PROCEDURE

EPTSC-01
SITE EMERGENCY COORDINATOR

REVISION 6

SUMMARY OF CHANGES

STEP	REVISION COMMENTS
Attachment 8.1.5.1	Revise section C of checklist to include status of ERDS (AR 70608)
8.1.3.12.a.	Change reference to EPSPA-03 for KI recommendations.
All Pages	Renumber to be like plant procedure AP - 007 (AR 739310)
All Pages	Change revision number to 6

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SITE EMERGENCY COORDINATOR (SEC) QUICK START GUIDE

NOTE: Blanks are provided for place keeping ✓'s only, logs are the official record. This is a summary level guide and does not replace the procedure steps.

1. Sign in on Facility Sign-In Board. Log on Electronic Display System (EDS). _____
2. If Dialogic was utilized for callout, upon arrival at the Facility, notify Dialogic at X 1777. _____
3. Verify TSC staffing and resources available to prepare for facility activation. _____
4. Review Emergency Notification Forms and press releases issued. _____
5. Review Nuclear Regulatory Commission (NRC) Event Notification Worksheets issued. _____
6. Direct staff to prepare for initial plant status briefing. _____
7. Coordinate with EOF and JIC (if available) to receive initial Plant Status briefing. _____
8. Obtain initial plant status briefing from the Control Room (CR). _____
9. Activate the TSC as soon as possible. A minimum of the Site Emergency Coordinator (SEC) and the NRC Emergency Communicator shall be available. _____
10. Direct health physics activities until the arrival of the Radiological Control Director (RCD). _____
11. Refer to EPCLA-00, Emergency Classification and Protective Action Recommendations, for specific instructions to upgrade or downgrade the emergency. _____
12. Establish a briefing schedule with facility staff and the EOF. _____
13. Refer to procedure steps _____

8.1 SITE EMERGENCY COORDINATOR (SEC)

8.1.1 PURPOSE

1. This procedure describes the functional responsibilities and procedure steps for the Site Emergency Coordinator (SEC).

8.1.2 RESPONSIBILITIES

1. Maintain command and control of the Technical Support Center (TSC) and the onsite activities and response to the emergency.
2. Classify, terminate or downgrade the emergency using the Emergency Action Level (EALs) flowpaths.
3. Approve communications regarding the emergency with the Nuclear Regulatory Commission (NRC).
4. In the absence of the Plant General Manager (PGM) or the Radiological Control Director (RCD), authorize planned radiation exposures in excess of routine yearly exposure limits for lifesaving or equipment repair missions.
5. On an interim basis, assume the duties of the Emergency Response Manager. (CR 11968)
6. Coordinate with the Emergency Repair Director in assigning priorities for missions. Ensure any potential repair issues are documented on the Mission Status Board. Potential missions, even if deferred, should be listed on the Mission Status Board (AR 00049554).

8.1.3 INSTRUCTIONS

1. Upon declaration of an emergency, the Control Room SEC shall determine the necessity for TSC activation.
 - a. TSC activation is required at an Alert or higher emergency classification level. Earlier activation is at the discretion of the SEC/CR or the Superintendent Shift Operations (SSO).
2. The TSC shall relieve the Control Room (CR) of emergency classification and NRC communications as soon as possible.
3. Direct the TSC staff to prepare for activation.

8.1.3 (Continued)

4. Complete Attachment 8.1.5.1, Turnover Checklist.
5. Brief the TSC staff regarding turnover if not performed on speaker phone or video.
6. Prioritize/establish strategies to prevent/limit core damage.
7. Continuously monitor and review the Emergency Action Level (EAL) flowpaths to determine changes in the emergency classification.
8. Advise TSC staff regarding eating and drinking requirements.
9. Schedule subsequent facility briefings. (30-60 minute time frame)
 - a. Coordinate briefings with EOF, CR, and OSC staff to preclude unnecessary interruptions.
10. Request personnel accountability for personnel reporting to the TSC from the Administration & Logistics Manager (ALM).
 - a. This will expedite the accountability process in the event of a site evacuation if not already required.
11. Review dose projections.
12. Approve administration potassium iodide (KI) to onsite emergency response personnel, as appropriate.
 - a. Radiation Control staff will make recommendations based on guidance in EPSPA-03.
13. In the absence of the Plant General Manager (PGM) approve planned radiation exposures > 5 REM whole body or entries into areas > 100 REM/HR.
14. Approve relocation/evacuation of the Operations Support Center (OSC).

8.1.3 (Continued)

15. Confer with the Emergency Response Manager (ERM) periodically to ensure continuity of operations, response, and information.
16. Control personnel during re-entry/recovery.
17. Consult the Site Industrial Safety Representative/designee for appropriate protective actions in the event of a chemical/toxic hazard.
 - a. If deemed necessary, ensure ventilation is in emergency mode.
 - b. Monitor for gas intrusion.

8.1.4 **RECORDS**

N/A

8.1.5 **ATTACHMENTS**

8.1.5.1 Turnover Checklist

ATTACHMENT 8.1.5.1
Page 1 of 3
TURNOVER CHECKLIST

This checklist is guidance for turning over Emergency Response activities from one facility to another or between personnel holding Emergency Response positions.

NOTE: Blanks are provided for place keeping √'s only, logs are the official record.

A. Establish ERFIS as the official time for log keeping unless unavailable. _____

B. ONSITE SITUATION

1. Review Emergency Classification, basis for declaration, and mitigating actions. Suspend turnover if plant conditions exist that change the classification, notification, or PARs. _____

a. Review status of safety equipment and systems.

b. Review status of fission product barriers.

c. Review condition/stability of reactor.

d. Review any Emergency Action Levels exceeded.

e. Review cause, history, initiating events leading to declaration of emergency.

2. Review onsite protective actions taken. _____

a. Assembly

b. Shelter

c. Evacuations (Local, Protected Area, Site, Exclusion Area)

NOTE: If there is a Site Evacuation, Unit 1 may need to continue operating.

d. Potassium Iodide Administration

e. Complete PLP-015 Overtime Form for ERO as appropriate.

ATTACHMENT 8.1.5.1
Page 2 of 3
TURNOVER CHECKLIST

3. Review status of offsite assistance requested for the site. _____
- a. Fire Department
 - b. Rescue Squad
 - c. Local Law Enforcement Agency

C. OFFSITE SITUATION

1. Review Status of Offsite Notifications. _____
- State and County initial and any follow-up messages
 - NRC (including status of ERDS Activation)
 - Other: ANI, INPO, Westinghouse
 - Any needed notifications that have not been made
2. Review Protective Action Recommendations made and notifications made to the State and Counties. _____
3. Review any status received from the State or Counties regarding activation, readiness, protective actions, or requests for information. _____
4. Review data on any projected or actual radiological releases. _____
5. Review the time and content of any press releases or media briefing. _____

ATTACHMENT 8.1.5.1
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TURNOVER CHECKLIST

D. EMERGENCY RESPONSE

1. Review status of Emergency Response Organization Activation. _____
 - Notifications made to off-duty and offsite personnel. _____
 - Emergency Response Facilities that are activated. _____
 - Emergency Response Facilities that will be activated. _____
 - Other notifications needed. _____
2. Review outside organizations requested to mobilize. _____
3. Review assistance needed. _____
4. After the TSC-SEC assumes responsibilities for event declaration, the CR-SSO maintains responsibility to keep the TSC updated of changing conditions and the urgency of declaring events based on the changing conditions. _____

E. TURNOVER COMPLETED _____

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PLANT OPERATING MANUAL

VOLUME 2
PART 5

EMERGENCY PROCEDURE

EPTSC-04
RADIOLOGICAL CONTROL DIRECTOR

REVISION 6

SUMMARY OF CHANGES

Step #	REVISION COMMENTS
All pages	change revision number to 6
8.4.2	add step 4 "to protect security officers, keep the ESTL informed" AR 61951

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RADIOLOGICAL CONTROL DIRECTOR (RCD) QUICK START GUIDE

NOTE: Blanks are provided for place keeping \sqrt{s} only, logs are the official record. This is a summary level guide and does not replace the procedure steps.

1. Sign-in on facility sign-in board. Log on Electronic Display System (EDS). _____
2. If dialogic was utilized for callout, upon arrival at the Technical Support Center (TSC), notify dialogic of your arrival at the facility (857-1777). _____
3. Obtain a briefing on Plant Status. _____
4. Determine if contaminated individuals have been released from the plant. _____
5. Obtain wind direction (degrees blowing from). Request 1 hour, 3 hour, and 3 day weather forecasts. _____
6. Coordinate with the Radiological Control Manager (RCM) in the Emergency Operations Facility (EOF). _____
7. Determine the E&RC staff available in the emergency facilities, request additional resources as needed. _____
8. Request updates on the E&RC Team status every 30 minutes from an available E&RC Supervisor or assigned "lead" person. _____
9. Determine status of habitability for the TSC (from the RCM) and for the OSC (from the OSC Leader). _____
10. Notify the SEC of readiness to activate. _____
11. Refer to procedure steps. _____

8.4 RADIOLOGICAL CONTROL DIRECTOR (RCD)

8.4.1 PURPOSE

This procedure describes the functional responsibilities and procedure steps for the Radiological Control Director (RCD).

8.4.2 RESPONSIBILITIES

1. Manage the radiological control activities in the Technical Support Center (TSC).
2. Monitor meteorology, onsite radiological consequences and dose projections.
3. Liaison with the Radiation Control Manager (RCM) in the Emergency Operations Facility (EOF).
4. To protect security officers during performance of their duties inform the Emergency Security Team Leader of changing radiological conditions.

8.4.3 INSTRUCTIONS

NOTE: The Radiation Control (RC) Technician on shift will report to the Superintendent-Shift Operations and support Operations during an emergency. The technician will continue reporting to the SSO after activation of the Operations Support Center (OSC) unless higher priority actions are required as deemed necessary by the OSC Leader.

1. Advise the E&RC Team Lead (either E&RC Supervisor or "lead" technician) of monitoring locations and sample collection points in the plant, collection of required data and assessment of radiological conditions at these points.
2. Request in-plant samples to assess plant/fuel conditions.
3. Report to the Site Emergency Coordinator (SEC) regarding:
 - a. Radiological monitoring and assessment,
 - b. Radiation exposure control,
 - c. Team direction & supporting missions,

8.4.3.3 (Continued)

- d. Emergency facility habitability,
 - TSC/EOF Building status as decided by the RCM and ERM.
 - Sampling and analysis, and
- a. Liaison with Offsite Radiation Control (RC) personnel and the RCM in the EOF.
- b. Inform the ESTL of changing radiological conditions for security members in the field.
- 4. Advise the Environmental & Radiation Control (E&RC) Team Supervisor or Lead person regarding:
 - a. Prioritizing tasks,
 - b. Determining protective gear and dosimetry,
 - c. Development of precautions for the reentry team briefing,
 - d. Deviations from a full set of anti-contamination clothing, and
 - e. Changes to requirements for protective equipment.
- 5. Determine the need for on-site protective sheltering or evacuation, along with routes (to and from the plant) based on plant data, dose projections and meteorology.
 - a. Recommend site evacuation assembly location.
 - Monitor personnel at access points as required.
- 6. Consult the Dose Projection Team Leader (DPTL) in the EOF to determine affected zones in the 10 mile Emergency Planning Zone (EPZ). Assign priorities as necessary.
- 7. Contaminated, injured personnel should be treated on site if possible.
- 8. Direct sampling activities, as necessary, to assist in accident assessment. **{RNP RA/01-0164; NRC Amendment No. 192}**
- 9. Notify the RCM regarding Phase "A" Isolation.

8.4.3 (Continued)

10. Provide guidance to the E&RC Team Supervisor or Lead Person for establishing personnel and vehicle decontamination areas when required.
 - a. Determine if an alternate means of transporting personnel from the plant is needed.
 - b. Based on wind direction and magnitude of release, determine an appropriate area to set up for vehicle decon.
 - c. Determine the proper method of decon and area setup (i.e., masslin wipe down, wash down with soap and water, water supply, water containment, decon supplies, etc.)
 - d. Determine release limits.
 - e. Consider personnel transport in CP&L vehicle(s), and deferring vehicle decon until part of the recovery effort.
 - f. If radiation levels on site prohibit adequate decontamination or monitoring these functions may be performed at county operated locations.
 - Inform county emergency management officials if this contingency must be used.
11. Coordinate with the State and the Nuclear Regulatory Commission (NRC) as required.
12. Ensure exposure control and that Special Radiation Work Permits (RWPs) are issued as necessary. Approve exposure extensions.
13. Ensure that necessary information is posted on displays and status boards. Including:
 - a. Onsite radiological status
 - b. Protective Action Recommendations (PARs)
 - c. 10 mile emergency planning zone (EPZ) map
 - d. TSC Habitability Status.

8.4.3 (Continued)

14. Recommend the administration of potassium iodide (KI) to CP&L personnel and contract employees when the Committed Dose Equivalent (CDE) to the thyroid is > 25 Rem.
 - a. Determine if KI is required for personnel in buildings designed to maintain habitability such as the Control Room and TSC/EOF building.
15. Regulatory limits shall be observed for planned radiation exposures to emergency workers unless the Plant General Manager (PGM), the Radiological Control Director (RCD) or the Site Emergency Coordinator (SEC) authorizes the individual to exceed 5 Rem TEDE in a year.
16. Follow these Emergency Worker Dose Guidelines:

NOTE: In all cases, it is the responsibility of each individual, to maintain the total effective dose equivalent ALARA.

Declared pregnant women shall not participate in these actions.

Internal exposures shall be minimized by respiratory protection and contamination controlled by the use of protective clothing.

Entry into High Radiation Areas shall not be permitted unless instrumentation capable of measuring the anticipated radiation levels is provided.

Entry into a High Radiation Area shall require wearing a self-reading dosimeter capable of measuring the expected exposure to be received.

Entry into Radiation Fields of > 100 Rem/hr. shall not be permitted unless specifically authorized by the PGM or RCD. In their absence the SEC shall authorize.

8.4.3.16 (Continued)

- a. Repair/Reentry efforts may require individuals to enter a hazardous area to protect valuable installations, or to make the facility more secure against events which could lead to radioactivity releases (i.e., assessment actions or entry of damage repair parties who are to repair valve leaks or add iodine-fixing chemicals to spilled liquids).
 - In such instances, planned dose to emergency workers shall not exceed 10 Rem TEDE to the whole body, 30 Rem to the lens of the eye, or 100 Rem to any other organ including skin and extremities.
- b. Lifesaving Actions or Protection of Large Population efforts may require personnel to search for and remove injured persons or entry to prevent conditions that would probably injure numbers of people, a planned dose shall not exceed 25 Rem TEDE to the whole body, 75 Rem to the lens of the eye, or 250 Rem to any other organ including skin and body extremities. This applies to:
 - The removal of injured persons if the saving of life is possible.
 - Entry to prevent conditions that, if left uncorrected, could lead to damage or releases that would probably injure numbers of people on or offsite.
 - Justifiable dose limits for situations in which the collective dose avoided by the emergency operation is significantly larger than that incurred by the workers involved.
- c. Actions requiring a dose > 25 Rem shall consider the following in addition:
 - Rescue personnel shall be volunteers and shall be instructed about the risks involved. Refer to EPOSC-04, Emergency Work Control.
 - Volunteers above the age of 45 shall be selected when possible for the purpose of avoiding unnecessary genetic effects.

8.4.3 (Continued)

17. Review PLP-021, "Chemical Storage, Inventory, Spill and Hazard Communication Program", for items to consider in the event of a chemical spill or accident.

<p>NOTE: Contact numbers for the Environmental Compliance Unit are listed in the Emergency Response Organization Phone Book.</p>

- a. Contact the Environmental Compliance Unit to determine reportability.
 - b. Ensure the settling pond is isolated from the discharge canal for spills directed toward storm drains.
18. Develop recovery strategy.

8.4.4 RECORDS

N/A

8.4.5 ATTACHMENTS

N/A

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EMERGENCY PROCEDURE

EPTSC-06
EMERGENCY SECURITY TEAM LEADER

REVISION 3

SUMMARY OF CHANGES

STEP #	REVISION COMMENTS
All pages	Change to rev number 3 and revise numbering for consistency with other procedures AR73931
8.6.2.3	clarify security availability during some events AR62147
8.6.2.4	add responsibility to keep team informed of changing radiological conditions AR61951

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EMERGENCY SECURITY TEAM LEADER (ESTL) QUICK START GUIDE

NOTE: Blanks are provided for place keeping ✓'s only, logs are the official record.
This is a summary level guide and does not replace the procedure steps.

1. Verify hand geometry system for TSC/EOF Building is de-activated. _____
2. If Dialogic was utilized for callout, upon arrival at the Facility, notify Dialogic at X 1777. _____
3. Notify the Administrative & Logistics Manager (A&LM) upon your arrival at the TSC. Refer to the ERO Telephone Directory. _____
4. Prioritize and distribute the following assignments:
 - a. Access Control (EPSPA-04, Access Control) _____
 - b. Traffic Control (EPSPA-04, Access Control) _____
 - c. Accountability (EPSPA-01, Evacuation and Accountability) _____
 - d. First Aid (EPSPA-02, First Aid and Medical Care) _____
 - e. Security guards _____
 - Normal Stations:
 - Secondary and Central Alarm Station _____
 - Security Administrative Building _____
 - Any Special Stations.
 - Entrance to TSC/EOF and OSC _____
5. Report to the A&LM regarding the status of access control for the TSC/Emergency Operations Facility (EOF) Building, Joint Information Center (JIC), and the Fitness for Duty status of ERO personnel. _____
6. Notify the Site Emergency Coordinator (SEC) of readiness to activate. _____
7. Refer to procedure steps. _____

8.6 EMERGENCY SECURITY TEAM LEADER (ESTL)

8.6.1 PURPOSE

1. This procedure describes the functional responsibilities and procedure steps for the ESTL.

8.6.2 RESPONSIBILITIES

1. Provide technical and administrative direction to the Emergency Security Team during an emergency.
2. Complete accountability of personnel inside the protected area within 30 minutes. The primary method for conduct of accountability is the security computer roll call.
3. Provide Security personnel trained in First Aid/CPR to treat accident victims and perform search and rescue. Security personnel may not be available for this function during a security event or other events which manning requirements do not allow it. (AR #62147)
4. Keep security team members updated on changing radiological conditions for their protection. (AR #61951)

8.6.3 INSTRUCTIONS

1. Verify the hand geometry system for the TSC/EOF Building is deactivated.
 - a. Ensure appropriate TSC/EOF and OSC access control is implemented.
 - Appropriate doors are locked and personnel already in facilities are noted/verified.

8.6.3 (Continued)

2. Request the Administrative & Logistics Manager (A&LM) and Radiological Control personnel determine the following:
 - a. Specific areas and/or routes for grounds search team.
 - b. Possible alternate assembly area location during a security threat.
 - c. Names and affiliates of individuals requested to report to the plant (non-company).
3. Upon notification of an emergency assembly, dispatch Security personnel to the designated assembly area to collect completed Emergency Assembly Forms (EPSPA-01, Evacuation and Accountability).
4. Report the names and last known locations of missing persons to the Site Emergency Coordinator (SEC) per EPSPA-01, Evacuation and Accountability.
5. Provide qualified Security personnel to participate in search and rescue missions. Missions are briefed and dispatched from the Operations Support Center (OSC).
6. First Responders will provide initial assessment and patient care for injured personnel unless hospitalization or medical treatment by a physician on site is warranted.
 - a. The decision to transport a contaminated, injured individual offsite shall be made by the Superintendent Shift Operations (SSO) or the Site Emergency Coordinator (SEC).
 - b. Transport of contaminated individuals shall be coordinated with the Radiological Control Director (RCD).
7. Notify the Administrative & Logistics Manager (A&LM) when and where an ambulance will be needed.

8.6.3 (Continued)

8. After an evacuation due to a General Emergency, assign Security Team Member(s) to search the areas outside the controlled area and Lake Robinson within the 1400 ft. exclusion area. (EPSPA-01, Evacuation and Accountability).
 - a. The 1400 feet radius is marked by signs.
 - b. Personnel outside the Protected Area are not required to be accounted for within 30 minutes.
9. Establish contact with offsite law enforcement, via Darlington County 911 Center as required.
10. If limited manpower exists, the South Carolina Department of Natural Resources and the local law enforcement agencies may be called upon to assist as needed.
11. Ensure the TSC/EOF Building hand geometry system is returned to the appropriate status during recovery actions.

8.6.4 RECORDS

N/A

8.6.5 ATTACHMENTS

N/A