

TITLE: ONSITE PERSONNEL PROTECTION, ACCOUNTABILITY AND EVACUATION**1.0 RESPONSIBLE INDIVIDUAL**

Personnel at the CCNPP site at the onset of emergency conditions and personnel employed at CCNPP have the following responsibilities:

1.1 ALL PERSONNEL

- 1.1.1 Know evacuation routes(s) from assigned work areas (Appendix B.2-1 through B.2-5).
- 1.1.2 Know location of designated assembly areas (Appendix A.1 Table 2).
- 1.1.3 Report to designated assembly area when directed.

1.2 SUPERVISORS/FOREMEN

- 1.2.1 Serve as interim Assembly Area Leader for personnel under your supervision until relieved by a designated AAL.
- 1.2.2 Ensure that assigned personnel are knowledgeable of evacuation routes and assembly areas.

1.3 SITE EMERGENCY COORDINATOR

- 1.3.1 Initiate appropriate evacuation based on the emergency event in ERPIP Section 3 and EXHIBIT 4.5.1-A.
- 1.3.2 Ensure all personnel are accounted for and direct the ESTL or Emergency Reentry Team to initiate searches for personnel not accounted for by the AAL or the ESTL.
- 1.3.3 Evaluate need for further evacuation as emergency conditions become more severe.

2.0 CONDITIONS AND PREREQUISITES

- 2.1 As directed by the SS/SEC.
- 2.2 Release or evacuation of site personnel as determined by the SS/SEC or as determined by the RPD from EXHIBIT 4.5.1-A and recommended to the SEC.

3.0 ACTIONS AND LIMITATIONS**3.1 GENERAL**

The following actions will be carried out by personnel on the CCNPP site when directed by the SS/SEC.

8401060266 831228
PDR ADDCK 05000317
F PDR

- 3.1.1 Specific instructions given over the P.A. System with respect to Protective Actions will be adhered to.
- 3.1.2 The consequences of the spread of contamination vs. personnel safety and exposure must be evaluated to determine the extent and location of decontamination efforts.
- 3.1.3 Unless otherwise directed, follow normal controlled area and plant exit procedures.

-NOTE-

If necessary for personnel to be subjected to exposures beyond those normally allowed, consider dressing in additional protective clothing to minimize exposure during evacuation.

- 3.2 The Control Room or ECC will coordinate the following when directed by the SS/SEC.

- 3.2.1 Small Radiological Event Protective Actions

- 3.2.1.1 Have all personnel leave the affected area.

/
 Initials Time

-NOTE-

Auxiliary Building egress routes are shown in Appendix B.2-1 through B.2-5.

- 3.2.1.2 Have all personnel withdraw to a safe location, verified as such by Rad-Safety technician or an ERT member.

/
 Initials Time

- 3.2.1.3 Have RPD attempt to limit the spread of contamination through effective use of personnel monitoring and protective clothing.

/
 Initials Time

- 3.2.1.4 Have RPD require new control points to be set up, as necessary.

/
 Initials Time

- 3.2.1.5 Have local Assembly Area Leaders account for personnel to determine if any remain in hazardous areas.

Initials Time

-NOTE-

See Appendix A.1, Table 2 for initial assembly areas.

3.2.2 Large Radiological Event Protective Actions

- 3.2.2.1 Have personnel leave major portions of the plant as necessary.

Initials Time

- 3.2.2.2 Have all BG&E personnel and visitors assemble at their pre-designated assembly areas (Appendix B.2-6) and have accountability conducted by appropriate Assembly Area Leaders and reported via security (ESTL) to the SEC.

Initials Time

- 3.2.2.3 Ensure personnel are monitored for contamination prior to release from onsite area.

Initials Time

- 3.3 For direction concerning access to onsite facilities during an emergency refer to ERPIP 4.5.2, Access Control.
- 3.4 For direction on the use of respirators refer to ERPIP 4.5.3, Respiratory Protection.

-NOTE-

The Radiation Protection Director is responsible to determine when additional radiation protection equipment is necessary.

- 3.5 For administration of radioprotective drugs refer to ERPIP 4.5.4.1, Onsite Administration Radioprotective Drugs.
- 3.6 For information regarding personnel decontamination refer to ERPIP 4.5.5
- 3.7 For information concerning the hazards of exposure to radiation, refer to ERPIP 4.6.1.
- 3.8 For offsite protective actions, refer to ERPIP 4.5.6.

EXHIBIT 4.5.1-A AFFECTED AREA EVACUATION CRITERIA

AREA	OUTSIDE CONTROLLED AREA	INSIDE CONTROLLED	
<u>Personnel</u>		<u>Unessential Personnel</u>	<u>Essential</u>
Precautionary Removal of Personnel from Area Exposure Rate (mR/h) Airborne Activity ($\mu\text{Ci}/\text{cm}^3$) unevaluated	≥ 0.5 (lasting 10h) $\geq 1.0\text{E}-10$	≥ 2.5 $\geq 9.0\text{E}-09$	≥ 1000 (a) $\geq 3.6\text{E}-07$ (c)
Mandatory Evacuation Exposure rate (mR/h) Airborne Activity ($\mu\text{Ci}/\text{cm}^3$) unevaluated	≥ 2.5 (lasting 10h) $\geq 4.2\text{E}-09$ (b)	≥ 100 $\geq 9.0\text{E}-09$	$\geq 4.6\text{E}-06$ (d)

- Notes:
- (a) As deemed necessary, the SEC may elect to utilize higher exposure rates for emergency response personnel for life-saving and facility saving actions based on pre-planned occupational radiation exposures under emergency conditions. Assessment actions should be planned within regulatory and administrative exposure limits. (See ERPIP 4.6.1).
 - (b) Equal to 25% of weekly limit (unrestricted area).
 - (c) Equal to 40 MPC-h unevaluated. Respiratory protection should be utilized unless unfeasible.
 - (d) Equal to 520 MPC-h unevaluated (Quarterly Limit 10CFR20.103(a)(1)). Respiratory protection should be utilized unless unfeasible.

ERPIP 4.5.1 REVIEW/APPROVAL

[illegible]

LIST OF EFFECTIVE PAGES

<u>PAGE NUMBER</u>	<u>REVISION</u>
1	9
2	9
3	9, Ch. 1
4	9