

# CP&L

H. B. ROBINSON  
SEG PLANT

## TITLE

EMERGENCY PLAN AND PROCEDURES

VOLUME 13

TABLE OF CONTENTS

REVISION 6

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
7	RBS/ms	7-24-82						
8	RBS/ms	9-03-82						

Recommend By: *[Signature]*  
Emergency Planning Coordinator

7-1-82  
DATE

Approved By: *[Signature]*  
Plant General Manager/

7/2/82  
DATE

PAGE 3 OF 5	TITLE PLANT EMERGENCY PROCEDURES	REV. 8	PROC. NO. T.O.C.
----------------	-------------------------------------	-----------	---------------------

(Continued)

### 3.3 Plant Monitoring Procedures

- 3.3.1 In-plant Monitoring and Surveys
- 3.3.2 On-site Monitoring and Surveys
- 3.3.3 Collection of Very High Level Radioactive Samples
- 3.3.4 Analysis of Very High Level Radioactive Samples

### 3.4 Radiological Consequences

- 3.4.1 Initial Dose Projections
- 3.4.2 Whole Body Dose Projections
- 3.4.3 Thyroid Dose Projections
- 3.4.4 DELETED
- 3.4.5 Automation of Dose Assessment
- 3.4.6 DELETED

### 3.5 Environmental Monitoring Procedures

- 3.5.1 Confirmation of Initial Dose Projections
- 3.5.2 Expanded Environmental Monitoring
- 3.5.3 Plume Tracking by Actual Measurement
- 3.5.4 Coordination with State Monitoring

### 3.6 Source Term Assessments and Estimates of Core Damage

- 3.6.1 Release Estimates Based Upon Stack/Vent Readings
- 3.6.2 Release Estimates Based Upon Direct Radiation Levels
- 3.6.3 Interpretation of Liquid and Gaseous Samples
- 3.6.4 Consequences of Leakage Spills

# GRS

H. B. ROBINSON  
SEG PLANT

TITLE  
EMERGENCY PLAN AND PROCEDURES  
VOLUME 13

COLLECTION OF VERY HIGH LEVEL RADIOACTIVE SAMPLES  
PEP-3.3.3  
REVISION 3

REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE	REV.	APPROVED BY	DATE
4	RBS/mo	9.03.82						

Recommend By: T. J. Emvolf  
Emergency Planning Coordinator

7-1-82  
DATE

Approved By: M. S. Marking  
Plant General Manager

7/2/82  
DATE

- 3.1.9 Location and alternate location for analysis.
- 3.1.10 The collection of the following (as necessary):
  - 3.1.10.1 Filters, silver zeolite cartridges and fixed samplers.
  - 3.1.10.2 Process and effluent liquid samples (e.g., waste processing system).
  - 3.1.10.3 Reactor Coolant System and Containment Air Samples.
- 3.1.11 Maintain radiation safety and precautions per PEP-3.7.1, "Radiation Work Permits and Exposure Control."

3.2 The Plant Monitoring Team shall:

- 3.2.1 Carry out very high sample collection per information obtained in Steps 3.1.1 through 3.1.10 above and document steps on EXHIBIT 3.3.3-1, "Very High Level Sample Data Sheet."
- 3.2.2 Record and report status of sample valves before, during and after sample collection on EXHIBIT 3.3.3-2, "Very High Level Sample Collection Status Sheet."
- 3.2.3 Minimize radiation exposure by effective use of barriers, protective clothing and minimum stay time. (PEP-3.7.1, "Radiation Work Permits and Exposure Control" and PEP-3.7.3, "Issuance and Use of Protective Gear").
- 3.2.4 Assure each sample container is labeled with:
  - 1. Name and type of sample;
  - 2. Time of sample;
  - 3. Number, if applicable;
  - 4. Location of sample;
  - 5. mR/hr on contact after sample containment.
- 3.2.5 Deliver sample and EXHIBITS 3.3.3-1 and 3.3.3-2 to lab for analysis.
  - 3.2.5.1 When transporting samples, maximum use of shielding, distance and protective clothing shall be utilized.
  - 3.2.5.2 When storing samples, even while waiting for analysis, utilize shielding, distance and effective use of barriers to minimize dose to personnel (PEP-3.7.1, "Radiation Work Permits and Exposure Control" and PEP-3.7.2, "Emergency Personnel Monitoring and Dosimetry").