

Emergency Response Plan Implementation Procedures

Instructions for List of Effective Pages (Rev. 8 Chg. 3), ERPIP 4.2 (Rev. 8, Change 2), ERPIP 5.5 (Rev. 9), and Appendix B.2 (Rev. 8, Chg. 1).

1. Remove existing List of Effective Pages 1 thru 19. Replace with attached List of Effective Pages, 1 thru 18.
2. Remove pages 4.2-11, 4.2-12, & 4.2 Review/Approval page. Replace with attached pages 4.2-11, 4.2-12, & 4.2 Review Approval page.
3. Remove pages 5.5-1 thru 5.5-6. Replace with attached pages 5.5-1 thru 5.5-4.
4. Insert ERPIP 5.5 Review/Approval page in back of Section 5.5.
5. Remove page B.2-0. Replace with attached page B.2-0.
6. Insert attached pages B.2-68 thru B.2-71.
7. Insert ERPIP B.2 Review/Approval sheet and B.2 List of Effective pages in back of Section B.2.

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CALVERT CLIFFS NUCLEAR POWER PLANT  
EMERGENCY RESPONSE PLAN  
IMPLEMENTATION PROCEDURES

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LOG NO: \_\_\_\_\_

REV \_\_\_\_\_

EXHIBIT 4.2-B  
EMERGENCY MESSAGE FORM

DATE: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
TIME: \_\_\_\_\_

TYPE OF RECEPTION: ( ) RADIO  
(check one) ( ) DEDICATED PHONE  
( ) \_\_\_\_\_

FROM: ( ) SEC  
( ) RAD  
( ) TSC  
( ) RPD  
( ) CR  
( ) PS  
( ) OSC  
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TO: ( ) SEC  
( ) RAD  
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CH  
2

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**TITLE: EXERCISES, TESTS AND DRILLS****1.0 RESPONSIBILITY**

The Supervisor - Emergency Planning is responsible for the development of scenario, scheduling, conducting and critiquing exercises, tests and drills and reporting their results with recommendations to the management.

**2.0 EXERCISE**

- 2.1 An exercise is an event that tests the integrated capability and a major portion of the basic elements within emergency preparedness plans and organizations.
- 2.2 Provisions shall be made in the exercise to facilitate mobilization of State and local personnel and resources (ie. the exercise shall simulate an emergency that results in offsite radiological releases which would require response by offsite authorities).
- 2.3 The exercise scenario shall be varied from year to year such that all major elements of the emergency plans and preparedness organizations are tested within a five year period. Elements/organizations specifically relating to an LNG emergency will be tested only if the LNG Plant is receiving shipments of LNG during the calendar year.
- 2.4 Except for extreme weather conditions, exercises will not be cancelled because of weather. Extreme conditions will be determined by the Plant Superintendent considering its impact on plant operations.
- 2.5 An exercise shall be conducted ANNUALLY. Provisions shall be made to start an exercise between 6:00 pm and midnight and another between midnight and 6:00 am ONCE EVERY SIX YEARS. Some exercises will be unannounced.

**3.0 DRILL**

- 3.1 A drill is a supervised instruction period aimed at testing, developing and maintaining skills in a particular operation. A drill is often a component of an exercise.
- 3.2 Drills shall be supervised by a qualified drill instructor.
- 3.3 Drill frequency.



## 5.2 Scenarios shall include:

- 5.2.1 Objectives.
- 5.2.2 Evaluation criteria.
- 5.2.3 Date(s), time period, place(s) and participating organizations.
- 5.2.4 Simulated events.
- 5.2.5 Narrative summary describing exercise/drill conduct; to include such things as simulated casualties, offsite fire department assistance, rescue of personnel, use of protective clothing, deployment of radiological monitoring teams and public information activities.
- 5.2.6 Arrangements for controllers/evaluators (BG&E and non-BG&E).
- 5.2.7 Scenarios shall be submitted by the Supervisor-Emergency Planning to the Plant Superintendent for approval.
- 5.2.8 Exercise scenario objectives shall be submitted by the Supervisor-Emergency Planning via the Vice President-Supply to the NRC, seventy-five days prior to the exercise.
- 5.2.9 Exercise scenarios (as defined in 5.2.1 through 5.2.6 above) shall be submitted by the Supervisor-Emergency Planning via the Vice President-Supply to the NRC, forty-five days prior to the exercise.

## 6.0 CRITIQUE

- 6.1 A critique shall be scheduled at the conclusion of exercises/drills; it will be conducted as soon as practicable after the exercise/drill.
- 6.2 Observer/participant comments shall be presented at the critique to evaluate the ability of organizations to respond as called for in the Emergency Response Plan.
- 6.3 Provision shall be made to allow for Federal & State observers/evaluators to participate in the exercise critique.

## 7.0 EVALUATION

### 7.1 Exercise.

The Supervisor-Emergency Planning is responsible for performing a formal evaluation of the exercise critique. The results of this evaluation will be reported to the Plant Superintendent; Manager-



TITLE: MAPS AND CHARTS

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	B.2-3	Unit 1 & 2 Containment and Aux. Bldg Plan (5' and 10' Elevation)
	B.2-4	Unit 1 & 2 Containment and Aux. Bldg Plan (27' Elevation)
	B.2-5	Unit 1 & 2 Auxiliary Bldg Plan (-8', -10', -15' Elevations)
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POST ACCIDENT DOSE RATES - PLANT SHIELDING DESIGNS

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OFFSITE SURVEY POINTS

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ONSITE RADIATION MONITORING SYSTEM

page	B.2-(68-71)	Process and Area Radiation Monitors
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CALVERT CLIFFS NUCLEAR POWER PLANT

PROCESS AND AREA RADIATION MONITORS  
(RADIATION MONITORING SYSTEM)

I. Air Particulate Monitors

a. Locations

- |     |                     |                     |
|-----|---------------------|---------------------|
| (1) | Unit #1 Main Vent   | U1-RE-5415 Room 524 |
| (2) | Unit #2 Main Vent   | U1-RE-5415 Room 526 |
| (3) | Unit #1 Containment | Room 224            |
| (4) | Unit #2 Containment | Room 203            |

b. Detector Scintillation 1-1/2" x 1" NaI(TL)

c. Shielding 4.5 inches of lead

d. Check Source 10 Ci Cs 137

e. Range  $10^0$  to  $10^6$  CPM

2. Radioactive Gas Monitors

a. Locations

- |     |                                  |                                                                      |
|-----|----------------------------------|----------------------------------------------------------------------|
| (1) | Unit #1 Main Vent                | U1-RE-5415 Room 524                                                  |
| (2) | Unit #2 Main Vent                | U2-RE-5415 Room 526                                                  |
| (3) | Unit #1 Containment              | Room 224                                                             |
| (4) | Unit #2 Containment              | Room 203                                                             |
| (5) | Unit #1 ECCS Pump Room Vent. Ex. | Room 524                                                             |
| (6) | Unit #2 ECCS Pump Room Vent. Ex. | Room 526                                                             |
| (7) | Gaseous Waste Discharge (inline) | 69' Eval. Aux.<br>Bldg. By U-2<br>Containment<br>Personnel<br>Access |
| (8) | Fuel Handling Area Vent. Ex.     | Room 524                                                             |



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PROCESS AND AREA RADIATION MONITORS  
(RADIATION MONITORING SYSTEM)

- (9) Unit #2 Blowdown Recovery Unit (inline) Room 206
- b. Detector Scintillation NaI (TL)
- c. Shielding 7.5 inches of lead
- d. Check Source 10 Ci Cs 137
- e. Range  $10^0$  to  $10^6$  CPM
- 4. Area Radiation Monitors
  - a. Locations
    - (1) Unit #1 ECCS Pump Rooms Rooms 118 & 119
    - (2) Unit #2 ECCS Pump Rooms Rooms 101 & 102
    - (3) Unit #1 Sample Room Room 424
    - (4) Unit #2 Sample Room Room 413
    - (5) Unit #1 Refueling Machine Service Platform Room 230
    - (6) Unit #2 Refueling Machine Service Platform Room 229
    - (7) Boric Acid Rooms Rooms 215 & 217
    - (8) Unit #1 Penetration Room Room 221
    - (9) Unit #2 Penetration Room Room 211
    - (10) Unit #1 Containment (4) Room 230
    - (11) Unit #2 Containment (4) Room 229
    - (12) Miscellaneous Waste Receiver Tank Room 113
    - (13) Reactor Coolant Waste Pump Area Room 110



Rev.: 8  
Change 1

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