

February 11, 2000



PG&E Letter DCL-00-024

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Docket No. 50-275, OL-DPR-80  
Docket No. 50-323, OL-DPR-82  
Diablo Canyon Units 1 and 2  
Emergency Plan Implementing Procedure Update

Dear Commissioners and Staff:

In accordance with Section V, "Implementing Procedures," of 10 CFR 50, Appendix E, attached is an update to the emergency plan implementing procedures for Diablo Canyon Power Plant, Units 1 and 2.

As provided under 10 CFR 50.54(q), the changes in this update have been made without NRC approval since they do not decrease the effectiveness of the emergency plan. The plan, as changed, continues to meet the standards of 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

This update does not contain any privacy/proprietary information in accordance with NRC Generic Letter 81-27.

If there are any questions regarding this update, please contact Mr. Mark Lemke of my staff at (805) 545-4787.

Sincerely,

A handwritten signature in black ink, appearing to read 'James R. Becker'. The signature is fluid and cursive, with a large loop at the end.

James R. Becker  
Manager - Operations Services

Enclosures

cc: Steven D. Bloom  
Ellis W. Merschoff - w/Enclosures (2)  
David L. Proulx

DDM/1345

A045

**LOCATION OF PRIVACY/PROPRIETARY INFORMATION IN  
EMERGENCY PLAN IMPLEMENTING PROCEDURES  
FOR DIABLO CANYON POWER PLANT, UNITS 1 AND 2**

Procedure Number	Privacy/ Proprietary Information	Title/Location of Privacy/Proprietary Information
RB-15, Revision 8	No	"Post Accident Sampling System"

## DIABLO CANYON POWER PLANT EMERGENCY PLAN IMPLEMENTING PROCEDURES

Table of Contents - Emergency Plan Implementing Procedures  
Volume 1A (OM10.ID3 only), Volume 1B (OM10.DC1 only), and Volume 3B

Proc. No.	Rev.	Title
OM10.ID3	6	Emergency Plan Training
OM10.DC1	1A	Emergency Preparedness Drills and Exercises
EP G-1	28	Emergency Classification and Emergency Plan Activation
EP G-2	20	Activation and Operation of the Interim Site Emergency Organization (Control Room)
EP G-3	31A	Notification of Off-Site Agencies and Emergency Response Organization Personnel
EP G-4	16C	Personnel Assembly, Accountability and Site Access Control During Emergencies
EP G-5	7	Evacuation of Nonessential Site Personnel
EP R-2	19C	Release of Airborne Radioactive Materials Initial Assessment
EP R-3	8B	Release of Radioactive Liquids
EP R-7	12	Off-Site Transportation Accidents
EP OR-3	5	Emergency Recovery
EP RB-1	5B	Personnel Dosimetry
EP RB-2	4B	Emergency Exposure Guides
EP RB-3	3	Stable Iodine Thyroid Blocking
EP RB-4	4A	Access to and Establishment of Controlled Areas Under Emergency Conditions
EP RB-5	4B	Personnel Decontamination
EP RB-8	12A	Instructions for Field Monitoring Teams
EP RB-9	10C	Calculation of Release Rate
EP RB-10	6	Protective Action Recommendations
EP RB-11	11C	Emergency Offsite Dose Calculations
EP RB-12	5	Plant Vent Iodine and Particulate Sampling During Accident Conditions
EP RB-13	1	Improved In-Plant Air Sampling For Radioiodines
EP RB-14	5B	Core Damage Assessment Procedure
<b>EP RB-15*</b>	<b>8</b>	<b>Post Accident Sampling System</b>
EP EF-1	23	Activation and Operation of the Technical Support Center
EP EF-2	21	Activation and Operation of the Operational Support Center
EP EF-3	14	Activation and Operation of the Emergency Operations Facility
EP EF-4	13A	Activation of the Mobile Environmental Monitoring Laboratory
EP EF-6	11	Operation of EARS
EP EF-9	6	Backup Emergency Response Facilities
EP EF-10	3	Joint Media Center Activation and Operation

\* Procedure included in this submittal

\*\*\* ISSUED FOR USE BY: \_\_\_\_\_ DATE: \_\_\_\_\_ EXPIRES: \_\_\_\_\_ \*\*\*  
PACIFIC GAS AND ELECTRIC COMPANY NUMBER EP RB-15  
NUCLEAR POWER GENERATION REVISION 8  
DIABLO CANYON POWER PLANT PAGE 1 OF 14  
EMERGENCY PLAN IMPLEMENTING PROCEDURE UNITS

TITLE: Post Accident Sampling System

1 AND 2

1-12-00  
EFFECTIVE DATE

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PROCEDURE CLASSIFICATION: QUALITY RELATED

1. SCOPE

- 1.1 NUREG 0737 requires samples to be taken and analyzed within 3 hours after the decision is made to take a sample. The three hour time limit applies to all analyses except chloride. The time limit for the chloride analysis is 24 hours per PG&E's commitment to the NRC, letter dated 3-13-1981. This procedure describes the emergency actions and analysis procedures, CAP P-1, CAP P-2, CAP P-3, CAP P-5, CAP P-6, CAP P-9, CAP P-10, CAP P-11, and CAP P-12 used to ensure the safe and reliable sampling and analysis of reactor coolant and containment atmosphere during accident conditions as described in NUREG 0737.
- 1.2 The purpose of this procedure is to define the initial actions taken when a decision is made by the Site Emergency Coordinator to obtain a post-accident sample using the Post-Accident Sample System (PASS).
- 1.3 This procedure guides, with consideration of plant emergency radiation hazards, the Sentry team to access and make operable the Sentry room. It also guides the team to withdraw from the Sentry room upon sample acquisition.
- 1.4 This is a "PERIODIC USE" procedure.

2. DISCUSSION

- 2.1 This procedure contains the implementing steps to prepare for PASS sampling during emergency conditions, this procedure is to be used in conjunction with the CAP-P series procedures which contain the technical instructions to be followed for obtaining and analyzing a sample.
- \*2.2 The movable shield in the 85' penetration area may be closed, blocking normal access to the room. This will necessitate ingress and egress across the RCA boundary. Performance of this procedure may require the transfer of radioactive samples to non-RCA's. For these reasons this procedure involves exemptions from certain routine RCA access requirements. Personnel implementing this procedure should be covered by an SWP or RWP during an accident, drill, or drill-like training. Routine use of the Sentry room is covered by the C&RP routine sampling RWP.

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\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

- \*2.3 Particularly hazardous or unexpected conditions may occur in post-accident situations. Direction by appropriate supervision may augment or supersede portions of this and the CAP P series procedures because every possibility cannot be anticipated.
- 2.4 Prior to initiating a system purge for the purpose of collecting a sample, the Shift Foreman shall be notified of the particular system to be sampled and to open or check open the applicable containment penetration valves.
- 2.5 Certain valves on the control panel in the Primary Sample Room (100' El) can be controlled by 3-position switches on the Process Control Panel in the Sentry Room (85' El). The 3 positions are CLOSE-REMOTE-OPEN. If the switches in the Sentry Room are in any position but REMOTE, an override prevents positioning of the valves from the control panel in the Primary Sample Room. The switches in the Sentry Room should be placed in REMOTE to prevent difficulty in positioning valves in the Primary Sample Room.
- 2.6 Throughout the EP RB-15 and CAP-P sampling procedures, check-off boxes are provided to assist in keeping track of steps completed. The use of this aid is not required but is recommended.
- 2.7 Regulator setpoints listed in EP RB-15 or CAP-P procedures represent "optimized" values and ranges. It is desired that fine tuning adjustments NOT be made when the "As Found" values are within the specified ranges.

3. RESPONSIBILITIES

- 3.1 It is the responsibility of the Site Emergency Chemistry Coordinator to supervise the utilization of the PASS laboratory for post-accident sampling and analysis.
- 3.2 It is the responsibility of the Chemistry Foreman to ensure that the routine calibrations and maintenance of the instrumentation are performed within the prescribed frequency.
- 3.3 It is the responsibility of the Chemistry Engineer to provide additional guidance for calibration and maintenance of the instrumentation.

4. PREREQUISITES

- \*4.1 The Site Emergency Coordinator should pre-plan post-accident sampling with the Emergency Radiological Advisor and the Site Chemistry Coordinator prior to ordering a plant entry (i.e., prior to deciding to collect a post-accident sample) when unusually hazardous radiation or contamination levels are known or suspected to exist.

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\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

- \*4.2 A sufficient number of properly qualified personnel to complete the task should be available prior to making the post-accident sample decision. This might include:
- 4.2.1 Two people on the Sentry team qualified as C&RP Technicians.
  - 4.2.2 A sample transporter qualified as an unescorted Radiation Worker.
  - 4.2.3 A count room qualified person in the TSC lab.
- \*4.3 The Work Permit will specify protective equipment. Unless conditions warrant less stringent requirements, it is suggested that full PC's, SCBA's, and accident dosimetry be worn. Accident dosimetry includes: 0-200 mR PICS or PEDS, 0-5 R PICS or PEDS, finger rings (not necessary during drills).
- \*4.4 The Sentry team will make a post-accident entry to the plant only when directed by supervision and when possessing a high range portable survey meter to permit surveying into areas of unknown radiological conditions. Normal range survey meters may also be carried.
- \*4.5 The Sentry team should be informed of plant status as it pertains to significant hazards, both radiological and non-radiological, along access routes.
- \*4.6 Exposure hazards, both airborne and direct radiation, in the Sentry room should be monitored remotely for pre-entry status and locally for tracking while sampling.
- 4.6.1 If functional, use one of the Eberline Control Terminal(s) to remotely address the SPING air monitor in the Sentry room, which can be read locally.
  - 4.6.2 Area radiation monitor RE-48, in the Sentry room, can be read in the Control Room or locally.
- \*4.7 Communications are vital during a plant emergency. Entry teams must be able to communicate with the Control Room and appropriate supervision.
- \*4.8 Chemistry Technicians have the AC4 key required for access to areas and equipment related to this procedure and have security key cards to enter doors, Unit #1 192-1 and 116, Unit # 2 192-2 and 197-2. The Sentry team should take the applicable master keys located in the lock box in the RP office. Master keys for these doors are in the lock box in the Rad. Foremen's office. Keys for the containment isolation valves, FCV-235-240, and FCV-696-700, are located in the Sentry room in a lock box. The lock box is located on the side of the chemical analysis supply cabinet. During accident conditions break the glass and remove the keys.
- NOTE:** For training, drills or routine sampling obtain the individual valve keys from the Shift Foreman. The lockbox contains the following keys: FCV-235 - FCV-240, FCV-696 - FCV-700.

\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

- 4.9 Notify operations prior to opening any of the following containment isolation valves: FCV-235, 236, 237, 238, 239, 240, 696, 697, 698, 699, 700. Also notify operations when the valves are closed at the conclusion of the sampling and flushing exercises.

**NOTE:** A technician shall remain in the Sentry room and have the ability to communicate with the control room both by telephone and pager when FCV-235-240 or FCV-696-700 are open during PASS sampling under normal operation as per OP O-12. In the event of a reactor trip close the isolation valves immediately.

- \*4.10 It is important to conduct operations in an expeditious manner to provide timely vital plant status information.

- \*4.11 Unforeseen circumstances may exist during emergency situations that may require deviations to the procedure to obtain a specific analysis. Changes that effect a chemical analysis may be made at the direction of Chemistry supervision and will be logged in the Sentry log book.

## 5. PRECAUTIONS

### 5.1 General Sampling Technique Normal Operation

5.1.1 All sample lines must be purged for sufficient time to insure that a representative sample is obtained prior to collection of the sample. Reactor coolant sample will degas hydrogen as the sample pressure decreases to atmospheric. The degassing of hydrogen will carry radioactive fission and activation gases with it. Even though samples are collected in a hood, care should be exercised to avoid inhalation of these radioactive gases during collection of grab sample liquids.

5.1.2 Rinse sample sink using demineralized water after purging and collecting samples in sink to minimize loose and fixed surface contamination. This includes area under steel sample vessel quick disconnects.

5.1.3 An ion chamber dose rate meter should be used to monitor dose rates in the Sample Room and, in particular, directly in front of the sample panel while sample purge is in progress or being initiated.

5.1.4 Follow all instructions on the applicable SWP/RWP for obtaining samples.

5.1.5 Valve positions should always be checked in the closed direction.

5.1.6 Exercise caution when installing or removing the steel sampling vessels with quick disconnects used in the sample system. Prior to removing vessel, ensure source of pressure is isolated.

- 5.2 Do not store the sample cart cask and sample transfer cask north of the CASP/CAP shield door in unit #1 PASS or south of the CASP/CAP shield door in unit #2 PASS. This will prevent seismic interaction between the casks and panels PM-78 and PM-79.

\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

6. INSTRUCTIONS

6.1 Access to Sentry Room Area

Sentry Team Members shall be briefed on the access route to the Sentry Room during accident conditions. The correct route to take will be entered on the POST-LOCA BRIEF CHECKLIST. This checklist is included at the end of this procedure, Attachment 11.1.

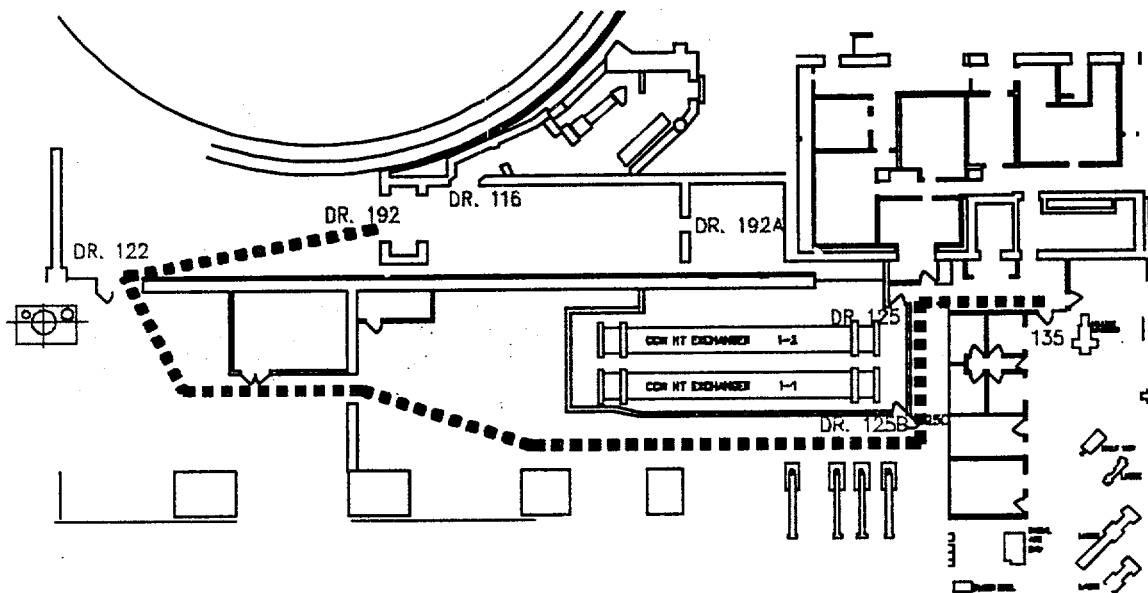
The Diablo Canyon Shielding Review indicates that the following routes might minimize exposures.

6.1.1 Via Turbine Building at 85' Elevation

\* a. Unit 1

Starting at the Cold Machine Shop proceed into the hallway to door #125C, proceed north to door #122 and exit building. From here turn south and enter door #192 to the Motor Repair Shop.

FIGURE 1a



\* Does not apply to PASS sampling under normal conditions.

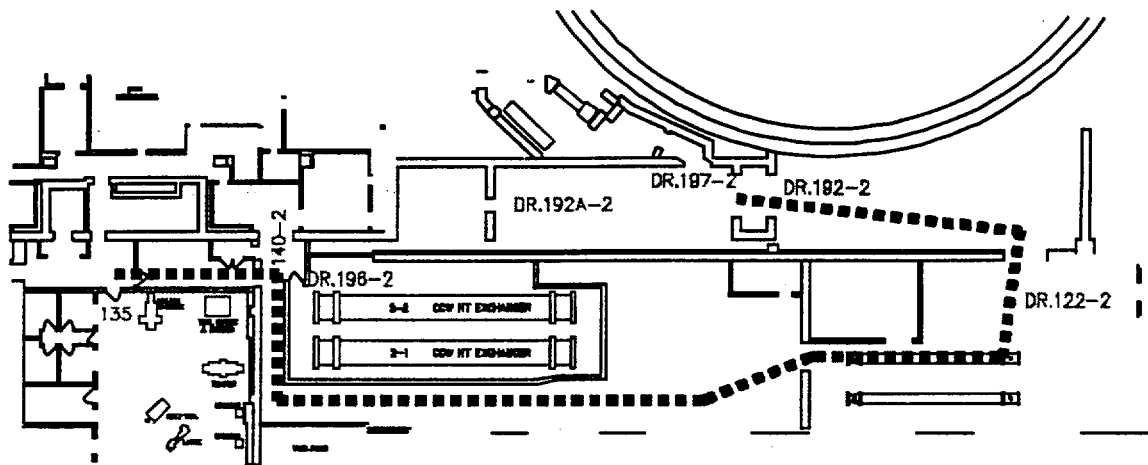


TITLE: Post Accident Sampling System

\* b. Unit 2

Starting at the Cold Machine Shop proceed into the hallway to door #140, proceed south to door #122 and exit building. From here turn north and enter door #192 to the Motor Repair Shop.

FIGURE 1b



\* Does not apply to PASS sampling under normal conditions.

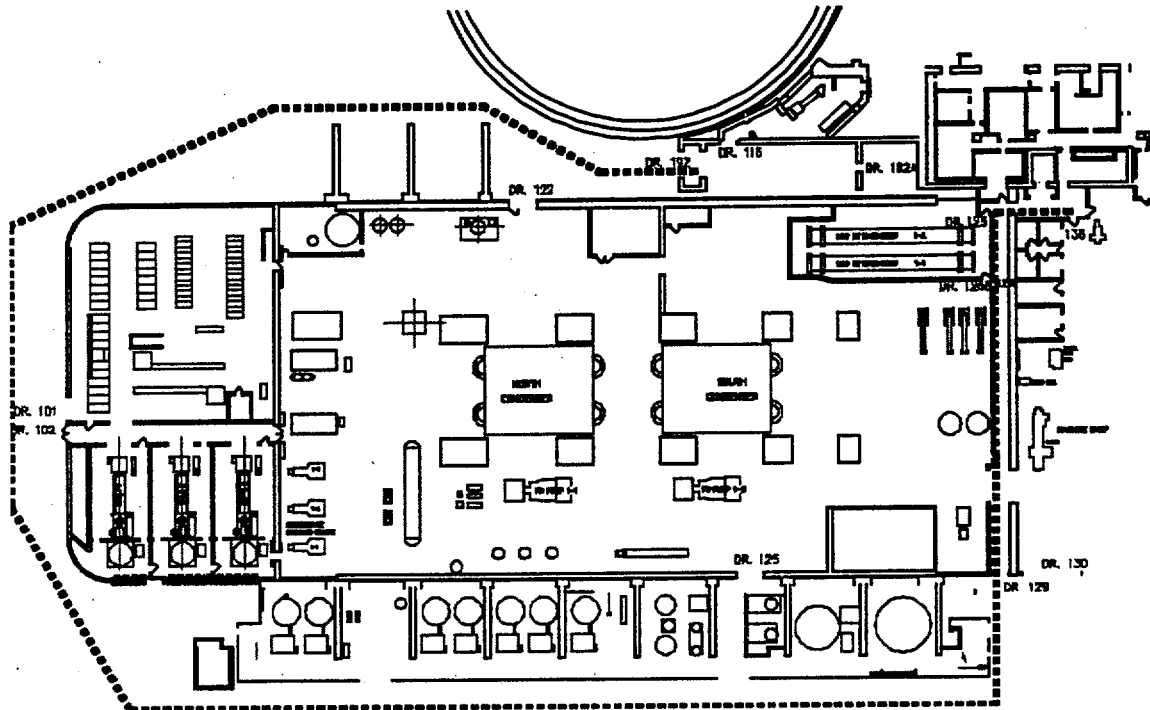
TITLE: Post Accident Sampling System

\*6.1.2 Around Turbine Building at 85' Elevation

\* a. Unit 1

Starting at the Cold Machine Shop proceed west to the outside via door #129, turn right and continue north around the Unit 1 Turbine Building looping around the transformers at the north end of the plant. Continue south to door #192 between containment and the Turbine Building. Enter the Motor Repair Shop via door #192.

FIGURE 2a



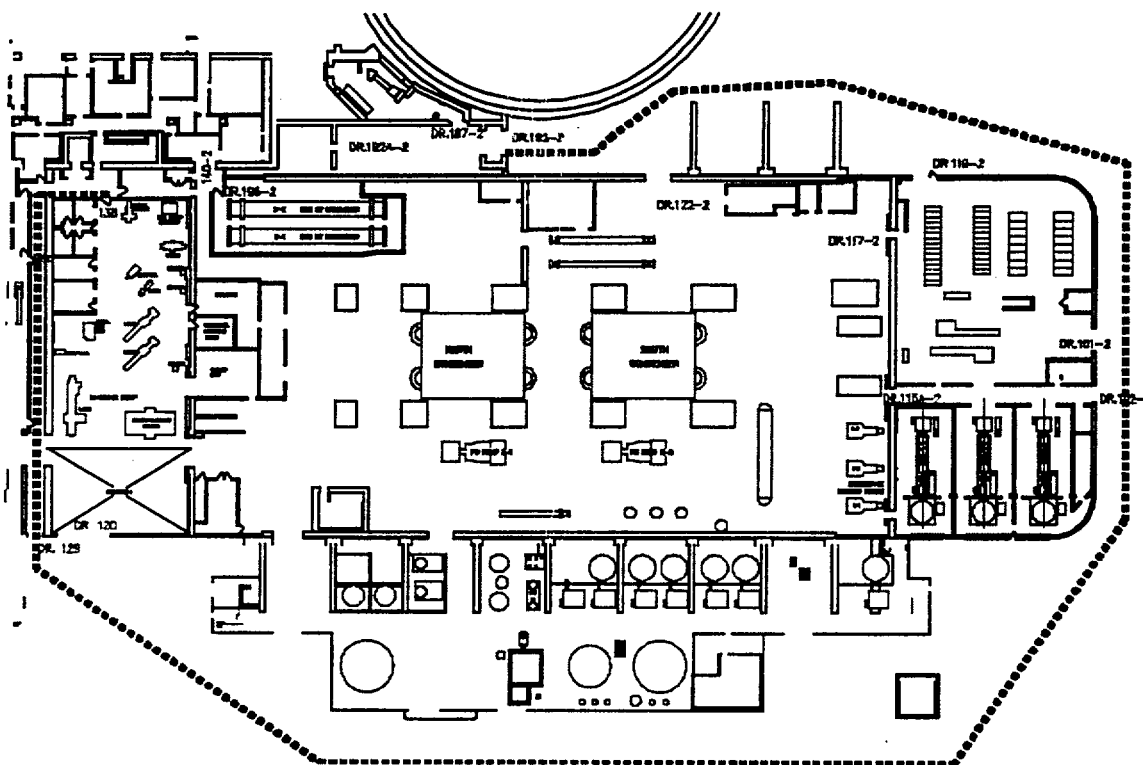
\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

\* b. Unit 2

Starting at the Cold Machine Shop proceed to the outside via door #129, turn left and continue south around the Unit 2 Turbine Building looping around the transformers at the south end of the plant. Continue north to door #192 between containment and the Turbine Building. Enter the Motor Repair Shop via door #192.

FIGURE 2b



\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

\*6.1.3 Other Access Routes

The Figure 1a or 1b pathway is preferred. However an access route other than those above may be required due to actual post-accident conditions (e.g., fire, high energy line break, etc.). The final route selected should appear on the POST-LOCA BRIEF CHECKLIST.

6.2 Initial Setup of Sentry Room Equipment

6.2.1 Gas Supply Cylinders Check

The gas supply cylinders for Sentry Room equipment are located along the east wall of the Motor Repair Shop.

Proceed to the gas storage rack and verify the following:

- a. The cylinder valve is fully open for the argon.
- b. The manifold valve is fully open for the argon.
- c. The argon regulator shows tank pressure of 500 psig or greater and the regulator is set between 100-120 psig.

**NOTE:** If argon tank pressure is less than 500 psig, then the cylinder should be changed with the spare cylinder located at the storage rack.

6.2.2 Emergency Ventilation System Lineup.

- a. If the normal vent damper MD-57 needs to be closed proceed with Step 6.2.2.b. If MD-57 is closed proceed to Step 6.2.2.d.
- b. Enter the PASS ventilation room. (AC4 key required)   
**NOTE:** Minimize the time that the vent room doors are open.
- c. Close the normal vent damper MD-57.
- d. If the emergency ventilation is already lined up proceed to Step 6.2.3, Steel Shield Door Closure. If the emergency ventilation system is not lined up proceed with Step 6.2.2.e.
- e. Proceed to breaker panel PPHRS, 52-(12 or 22) J-35 and check all breakers ON (except spares).

\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

- f. Proceed to the motor controllers for fans and heaters located to the left of the breaker panel and push the STOP and RESET pushbutton on each one. [ ]
- g. EMER LEAD (S-150) is the preferred system.
  - 1. Open/check open 1(2) - MD-50 [ ]
  - 2. Open/check open 1(2) - MD-52 [ ]
  - 3. Open/check open 1(2) - MD-53 [ ]
  - 4. Open/check open 1(2) - MD-55 [ ]
  - 5. Close/check close 1(2) - MD-51 [ ]
  - 6. Close/check close 1(2) - MD-54. [ ]
  - 7. Push the START pushbuttons on the motor controllers for the EMER LEAD:
    - a) Supply fan, [ ]
    - b) Exhaust fan, [ ]
    - c) Heater 29A. [ ]
  - 8. Check motor controller indicating lights to confirm proper operation. [ ]
    - a) If lights indicate equipment is operating, proceed to Step 6.2.3.
    - b) If EMER LEAD (S-150) fails to operate proceed to Step 6.2.2.h.
- h. Perform the following steps only if EMER LEAD (S-150) is inoperable. EMER REDUN (S-151) is to be used as a backup if EMER LEAD fails to operate.
  - 1. Push the STOP pushbuttons on the motor controllers for the EMER LEAD (S-150)
    - a) Heater 29A, [ ]
    - b) Exhaust fan, [ ]
    - c) Supply fan. [ ]
  - 2. Open/check open 1(2) - MD-51 [ ]
  - 3. Open/check open 1(2) - MD-52 [ ]
  - 4. Open/check open 1(2) - MD-54 [ ]

\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

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- 5. Open/check open 1(2) - MD-55 [ ]
  - 6. Close/check close 1(2) - MD-50 [ ]
  - 7. Close/check close 1(2) - MD-53. [ ]
  - 8. Push the START pushbutton on the motor controllers for the EMER REDUN:
    - a) Supply fan, [ ]
    - b) Exhaust fan, [ ]
    - c) Heater 29B. [ ]
  - 9. Check motor controller indicating lights to confirm proper operation. If a problem still exists notify Chemistry supervision. Continue if the lights indicate proper operation. [ ]
    - i. Return to the 85' elevation. [ ]
- \*6.2.3 Steel Shield Door Closure. (See POST-LOCA BRIEF CHECKLIST. If the shield door is closed or is to remain open, proceed to Step 6.2.4, Radiological Assessment.)
- a. Proceed through door #192-1 south of the Unit 1 Motor Repair Shop, or door #192-2 north of the Unit 2 Motor Repair Shop. [ ]
  - b. Close the shield door by operating the winch until the mark on the cable is on or close to the take-up spool. [ ]
- \*6.2.4 Radiological Assessment of Sentry Room
- a. Enter the Sentry room via the RCA boundary door #116 Unit #1, or #197-2 Unit #2 and the airtight door. (Use AC-4 key and the key from the RP key box if necessary.) [ ]
  - b. Close the airtight door. [ ]
  - c. Perform a general area radiation survey.
    - 1. Note high levels such as might exist at the auxiliary building end of the room due to ECCS piping. [ ]
    - 2. Note low level areas for sample screen surveying later. [ ]

\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

- d. Note the reading of RE-48 on the Process Control Panel (PCP). Recheck it when initiating sample purges or when a change in flow rate is observed. [ ]

**NOTE:** RE-48 is the Sentry Room Area Monitor. Contact supervision immediately if radiation levels in the Sentry room are such that radiation exposure limits may be exceeded during the three hour time frame.

- e. If the SPING is not alarming, the respirator if worn, may be removed at this time. [ ]

**NOTE:** The respirator should be donned anytime there is a potential for airborne contamination to be introduced into the room.

### 6.3 Sampling

#### 6.3.1 Specific Procedures

The detailed instructions for performing the sampling and analysis are covered in the following procedures:

a. CAP P-1 -- Initial Actions

This procedure details necessary steps for initial system lineup.

b. CAP P-2 -- Reactor Coolant Sampling

This procedure describes the steps for sampling diluted liquid for gamma spec and boron analysis by carminic acid. Also dissolved hydrogen, pH, chloride and diluted off gas for gamma spec.

c. CAP P-3 -- Containment Air Sampling and Analysis

This procedure describes the steps for sampling containment air for percent hydrogen, radio-iodine's, particulates and noble gases.

d. CAP P-5 -- Sample Handling and Boron Analysis

This procedure describes the steps for PASS sample handling and boron analysis by carminic acid.

e. CAP P-6 -- Data Analysis

This procedure provides a standard format to record data and calculate dilution factors.

\* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

f. CAP P-9 -- Sample Storage and Disposal

This procedure provides instructions for disposal of stripped gas samples and storage of liquid samples.

g. CAP P-10 -- Undiluted Liquid Sampling

This procedure details the steps required to obtain an undiluted liquid sample.

h. CAP P-11 -- Diluted Liquid Sampling From Radwaste

This procedure details the steps required to obtain a diluted sample from radwaste sources

i. CAP P-12 -- Undiluted Liquid Sampling from Radwaste

This procedure details the steps required to obtain an undiluted liquid sample from radwaste sources.

7. ACCEPTANCE CRITERIA

None

8. REFERENCES

- 8.1 "High Radiation Sampling System Operations and Maintenance Manual", SENTRY EQUIPMENT CORP., Prepared by NUS Corp., PG&E Record No. 696213-84-3.
- 8.2 NUREG 0737, 10/80.
- 8.3 Regulatory Guide 1.97, Rev. 3, 5/83.
- 8.4 CAP P-1, "Initial Actions."
- 8.5 CAP P-2, "Reactor Coolant Sampling."
- 8.6 CAP P-3, "Containment Air Sampling and Analysis."
- 8.7 CAP P-5, "Sample Handling and Boron Analysis."
- 8.8 CAP P-6, "Data Analysis."
- 8.9 CAP P-9, "Sample Storage and Disposal."
- 8.10 CAP P-10, "Undiluted Liquid Sampling."
- 8.11 CAP P-11, "Diluted Liquid Sampling from Radwaste."
- 8.12 CAP P-12, "Undiluted Liquid Sampling from Radwaste."



**TITLE: Post Accident Sampling System**

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9. RECORDS

Data Sheets and records will be maintained in the Record Management System (RMS) in accordance with CY1.DC1.

10. APPENDICES

None

11. ATTACHMENTS

11.1 "Post-LOCA Brief Checklist," 11/23/99

12. SPONSOR

Dan Bradley

DIABLO CANYON POWER PLANT  
 EP RB-15  
 ATTACHMENT 11.1

**1 AND 2**

TITLE: Post-Loca Brief Checklist

The following instructions will be given at the briefing:

1. Access Route: \_\_\_\_\_  
(EP RB-15)
2. Hazards along route: \_\_\_\_\_
3. Communication Status: \_\_\_\_\_

- |  | YES | NO  |
|--|-----|-----|
| 4. 85' Penetration Area Shield Door Needs to be Closed                                     | [ ] | [ ] |
| 5. Sentry Room Sample Panel Shield Door Needs to be Closed                                 | [ ] | [ ] |
| 6. RE-48 and SPINGS indicate lab has a safe, habitable environment.                        | [ ] | [ ] |
| 7. Analyze CA for Hydrogen using the Remote Containment H <sub>2</sub> Analyzers (CAP P-3) | [ ] | [ ] |
| 8. Obtain equipment status from the most recent CAP G-3.                                   | [ ] | [ ] |

EQUIPMENT	CALIBRATED?	OPERABLE?	ALTERNATE
ION CHROMATOGRAPH	YES/NO	YES/NO	
GAS CHROMATOGRAPH	YES/NO	YES/NO	AS AN ALTERNATE
pH METER	YES/NO	YES/NO	
HYDROGEN ANALYZER	YES/NO	YES/NO	
CARMINIC ACID STD	YES/NO	YES/NO	

- |  | YES | NO  |
|--|-----|-----|
| 9. EMERGENCY VENTILATION LINED-UP  | [ ] | [ ] |
| VENTILATION LINEUP: <span style="border: 1px solid black; padding: 2px;">EMER. LEAD / REDUNDANT</span> |     |     |
| 9.1 Normal vent damper HVAC-MD-57 closed.  | [ ] | [ ] |
| 10. Letdown Status:  |     |     |

**EP RB-15 (UNITS 1 AND 2)  
ATTACHMENT 11.1**

**TITLE:** Post-Loca Brief Checklist

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**NOTE:** Check off analysis requested by the TSC or Site Chemistry Coordinator.

11. Reactor Coolant Samples

- |            |                          |               |                          |
|------------|--------------------------|---------------|--------------------------|
| Hot Leg #1 | <input type="checkbox"/> | RHR Pump 1-1  | <input type="checkbox"/> |
| Hot Leg #4 | <input type="checkbox"/> | RHR Pump 1-2  | <input type="checkbox"/> |
| PZR Liquid | <input type="checkbox"/> | VCT Liquid    | <input type="checkbox"/> |
| PZR Steam  | <input type="checkbox"/> | Letdown Demin | <input type="checkbox"/> |

12. RCA Analyses:                                   PROCEDURE                                   YES                                   NO                                   COMMENTS

RCS Boron (Diluted)	EP RB-15 & CAP P-1, 2, 5, 6	<input type="checkbox"/>	<input type="checkbox"/>	
RCS Boron (Undil)	EP RB-15 & CAP P-1, 5, 6 CAP C-19 & CAP E-1	<input type="checkbox"/>	<input type="checkbox"/>	
RCS Conductivity	EP RB-15 & CAP P-1, 2, 6	<input type="checkbox"/>	<input type="checkbox"/>	
RCS pH	EP RB-15 & CAP P-1, 2, 6	<input type="checkbox"/>	<input type="checkbox"/>	
RCS Chloride	EP RB-15 & CAP P-1, 2, 6	<input type="checkbox"/>	<input type="checkbox"/>	
Off-Gas Hydrogen	EP RB-15 & CAP P-1, 2, 6	<input type="checkbox"/>	<input type="checkbox"/>	
Off-Gas Activity	EP RB-15 & CAP P-1, 2, 6	<input type="checkbox"/>	<input type="checkbox"/>	
RCS Activity (Undil)	EP RB-15, CAP P-1, 2, 6 CAP E-1,	<input type="checkbox"/>	<input type="checkbox"/>	
RCS Activity (Diluted)	EP RB-15 & CAP P-1, 2, 5, 6	<input type="checkbox"/>	<input type="checkbox"/>	

- |                           |                          |                          |
|---------------------------|--------------------------|--------------------------|
| 13. Radwaste Samples      | Reactor Cavity Sump      | <input type="checkbox"/> |
| EP RB-15, CAP P-1, 11, 12 | Equipment Drain Receiver | <input type="checkbox"/> |
|                           | Floor Drain Receiver     | <input type="checkbox"/> |
- 

14. Radwaste Analyses                                   PROCEDURE                                   YES                                   NO                                   COMMENTS

Boron (Dil/Undil)	EP RB-15 & CAP P-1, 5, 6 CAP E-1, CAP C-19	<input type="checkbox"/>	<input type="checkbox"/>	
Activity (Dil/Undil)	EP RB-15 & CAP P-1, 5, 6 CAP E-1	<input type="checkbox"/>	<input type="checkbox"/>	

List: \_\_\_\_\_

EP RB-15 (UNITS 1 AND 2)  
ATTACHMENT 11.1

TITLE: Post-Loca Brief Checklist

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15. Containment Atmosphere Sample [ ]

Containment Atmosphere Analyses: PROCEDURE YES NO COMMENTS

Containment Atmosphere Analyses:	PROCEDURE	YES	NO	COMMENTS
Hydrogen	EP RB-15 & CAP P-1, 3, 6			
Particulate/Iodine	EP RB-15 & CAP P-1, 3, 6			
Noble Gas	EP RB-15 & CAP P-1, 3, 6			

16. OTHER \_\_\_\_\_

FORM COMPLETED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

Site Chemistry Coordinator

REVIEWED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

REVIEWED BY: \_\_\_\_\_ DATE/TIME: \_\_\_\_\_

Sentry Team Members

**NOTE:** Refer to STP G-14 for alternate methods of sampling.