

Pacific Gas and Electric Company

Diablo Canyon Power Plant
P.O. Box 56
Avila Beach, CA 93424
805/545-6000

September 1, 2000

PG&E Letter DCL-00-116



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, enclosed 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 do not decrease the effectiveness of the emergency plan and, therefore have been made without prior NRC approval. The plan, as changed, continues to meet the standards of 10 CFR 50.47(b) and 10 CFR 50, Appendix E.

This update contains privacy/proprietary information that has been bracketed 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 'JR Becker', written over a horizontal line.

James R. Becker
Manager - Operations Services

Enclosures

A045

Document Control Desk
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cc: Steven D. Bloom
Ellis W. Merschoff - w/a (2)
David L. Proulx

DDM/1345

**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
OM10.DC1 Revision 1B	No	Emergency Preparedness Drills and Exercises
EP G-5 Revision 8	Yes	Evacuation of Nonessential Site Personnel Page 1 of Attachment 7.3
EP RB-15 Revision 8	No	Post Accident Sampling System
EP EF-6 Revision 11	Rescinded	Operation of EARS Procedure rescinded, remove procedure from use.

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*	1B	Emergency Preparedness Drills and Exercises
EP G-1	28	Emergency Classification and Emergency Plan Activation
EP G-2	21	Activation and Operation of the Interim Site Emergency Organization (Control Room)
EP G-3	33XPR	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*	8	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	13	Off-Site Transportation Accidents
EP OR-3	6	Emergency Recovery
EP RB-1	5B	Personnel Dosimetry
EP RB-2	4B	Emergency Exposure Guides
EP RB-3	4	Stable Iodine Thyroid Blocking
EP RB-4	4A	Access to and Establishment of Controlled Areas Under Emergency Conditions
EP RB-5	4C	Personnel Decontamination
EP RB-8	12A	Instructions for Field Monitoring Teams
EP RB-9	11	Calculation of Release Rate
EP RB-10	7	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
EP RB-15*	8	Post Accident Sampling System
EP EF-1	24	Activation and Operation of the Technical Support Center
EP EF-2	23A	Activation and Operation of the Operational Support Center
EP EF-3	16XPR	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	4	Joint Media Center Activation and Operation

* Procedure included in this submittal

** Procedure rescinded, remove this procedure from use.

TITLE: Emergency Preparedness Drills and Exercises

8/23/00
EFFECTIVE DATE

SPONSORING ORGANIZATION: EMERGENCY PLANNING
PROCEDURE CLASSIFICATION: QUALITY RELATED
REVIEW LEVEL: "A"

1. SCOPE

- 1.1 This procedure establishes administrative controls, implementation responsibilities and procedural steps for the Diablo Canyon Power Plant (DCPP) Emergency Plan drill and exercise program.

2. DISCUSSION

- 2.1 Periodic drills and exercises of the DCPP Emergency Plan are required by 10 CFR 50.47 (b) (14). More specific criterion is contained in 10 CFR 50, Appendix E, Section IV. F and NUREG-0654/FEMA-REP-1, Rev 1. Federal regulations also specify biennial exercises with state and local government participation within the Plume Exposure Pathway Emergency Planning Zone (EPZ).
- 2.2 Scheduling of exercises involving state and local participation must be coordinated with the affected governmental agencies, the Nuclear Regulatory Commission (NRC) and the Federal Emergency Management Agency (FEMA).
- 2.3 NRC and FEMA guidelines require submittal of the biennial exercise objectives at least 90 days and the complete scenario package at least 60 days prior to the exercise for review.

3. DEFINITIONS

- 3.1 Annual - A calendar year beginning January 1 and ending December 31.
- 3.2 Controller - An individual that ensures the scenario proceeds in accordance with the timeline, disseminates information and pre-planned messages, observes and documents player performance and makes corrective action recommendations. Controllers should be technically qualified in the areas they are controlling and it is preferable to have controllers assigned to the Emergency Response Organization (ERO) position they are controlling.
- 3.3 Drill - A drill is a supervised instruction period aimed at testing, developing and maintaining skills in a particular operation. Drills may involve on-the-spot correction and may require demonstration of correct performance by the controller. Drills may be used to correct findings from an exercise.
- 3.4 Exercise - An event that tests the integrated capability and a major portion of the basic elements existing within emergency preparedness plans and organizations. An exercise is evaluated and requires documentation of problem areas.

TITLE: Emergency Preparedness Drills and Exercises

3.5 Emergency Response Organization (ERO) - The organization specifically designed to supplement the DCPD normal plant organization during emergencies. This organization is established upon activation of the DCPD Emergency Plan and provides coordinated, comprehensive emergency response capabilities.

4. RESPONSIBILITIES

4.1 DCPD Plant Manager is responsible for assuring emergency drills and exercises are scheduled as an integral part of plant operations.

4.2 Manager, Operations Services is responsible for ensuring implementation of the DCPD Emergency Plan drill and exercise program.

4.3 Emergency Planning Supervisor is responsible for:

4.3.1 Developing an annual drill and exercise schedule.

4.3.2 Developing and conducting all required DCPD Emergency Plan drills and exercises.

4.3.3 Implementing corrective actions identified during drills and exercises for the Onsite Emergency Preparedness program.

4.3.4 Coordinating drill and exercise schedules and corrective actions with governmental agencies, offsite organizations and Corporate groups.

4.4 Drill and Exercise Coordinator is responsible for the preparation and conduct of the drill program, under the direction of Emergency Planning Supervision.

4.5 Safety and Fire Protection Group is responsible for:

4.5.1 Scheduling, developing and conducting fire drills to meet FSAR 9.5H requirements.

4.5.2 Coordinating participation by California Department of Forestry (CDF) in at least two drills annually.

5. INSTRUCTIONS

5.1 Drill Type and Frequency Requirements

5.1.1 Communications Drills

a. Communications with San Luis Obispo County Sheriff and California Office of Emergency Services response centers will be tested monthly.

b. Routine telecommunications checks from the Control Room, performed under DCPD Maintenance Test Procedures, are conducted with the San Luis Obispo Sheriff's office and State OES on a weekly basis in addition to the communications drill.

c. Communications between the Plant, Nuclear Coordination Center (NCC), EOF, State EOC, SLO County EOC and field assessment teams will be tested annually and shall include the aspect of understanding the content of messages.

TITLE: Emergency Preparedness Drills and Exercises

5.1.2 Fire Drills

- a. Fire Drills meeting FSAR Appendix 9.5H and TQ1.DC12 requirements will be conducted.

5.1.3 Medical Emergency Drills

A medical emergency drill for each medical facility listed in the DCPD Emergency plan will be conducted annually. Drills involving a simulated contaminated individual who is transported by ambulance to each medical facility will be conducted annually.

5.1.4 Radiological Monitoring Drills

A plant environ and radiological monitoring drill will be conducted annually. This drill will include collection and analysis of environmental sample media (e.g., water, vegetation, soil and air) and provisions for communication and record keeping.

5.1.5 Health Physics Drills

- a. Health Physics Drills will be conducted semi-annually involving response to and analysis of simulated elevated airborne and liquid samples and direct radiation measurements in the environment.
- b. Analysis of inplant samples and the use of the Post-Accident Sampling System (PASS) will be included in a Health Physics drill annually.

5.2 Exercise Requirements

5.2.1 An exercise will be conducted biennial.

5.2.2 Mobilization of County personnel and resources adequate to verify the capability to respond to an emergency will occur on a biennial basis.

5.2.3 Scenarios should be varied from year to year such that all major elements are tested within a six year period.

- a. An exercise shall start between 6:00 p.m. and 4:00 a.m. or any hours on weekends once every six years.
- b. An exercise shall be unannounced at least once every six years.
- c. Scenarios shall ensure sufficient opportunity to evaluate the Control Room (Simulator) Operators as stated in the exercise objectives.

5.3 Drill and Exercise Schedule

5.3.1 An annual drill and exercise schedule shall be developed by the Emergency Planning Supervisor prior to January 1 of the schedule year.

5.3.2 The annual drill and exercise schedule shall be reviewed and approved by plant management, San Luis Obispo County Office of Emergency Services (OES), and State of California Office of Emergency Services (OES).

TITLE: Emergency Preparedness Drills and Exercises

5.3.3 Scheduling of the biennial exercise shall be coordinated with other Region V utilities, SLO County OES, State OES, Nuclear Regulatory Commission (NRC), and Federal Emergency Management Agency (FEMA).

5.4 Exercise Planning and Submittal

To complete an exercise package for submittal, the milestones listed in Appendix 7.1, Exercise Submittal Milestones should be met. Appendix 7.1 is general guidance and all the milestones may not be required for exercises that will not be evaluated by regulatory agencies.

5.5 Scenario Development Team

The Emergency Planning Supervisor shall ensure a Scenario Development Team is formed for development of the biennial exercise, dress rehearsal and training drill scenarios. The following expertise should be included on the Scenario Development Team:

- 5.5.1 Drill and Exercise Coordinator - This person is responsible for the preparation and conduct of the drill program, under the direction of Emergency Planning Supervision. The Drill and Exercise Coordinator should be appointed from the Emergency Planning staff.
- 5.5.2 Plant Operations Specialist - an individual who is knowledgeable of plant systems, plant operations and simulator scenario development.
- 5.5.3 Radiological Systems Specialist - an individual who is knowledgeable of the plant radiological monitoring systems, plant chemistry, atmospheric dispersion modeling, and the development of onsite and offsite field data.

5.6 Scenario Review Group

The Emergency Planning Supervisor shall ensure a Scenario Review Group is formed for review of the biennial exercise, dress rehearsal and training drill scenarios. This group provides technical review of the scenario and additional data where needed. The following expertise may be included on the Scenario Review Group:

- 5.6.1 Operations Reviewer - serves as an independent reviewer to the Scenario Development Team Operations representative.
- 5.6.2 Radiation Protection Reviewer - an independent reviewer of scenario radiological data.
- 5.6.3 Chemistry Reviewer - if PASS or other sampling is to be conducted, this person ensures that data is adequate and accurate.
- 5.6.4 Security Reviewer - for exercises involving security concerns, or as a general reviewer to ensure the conduct of the exercise will not result in Security problems.
- 5.6.5 Plant Emergency Planning Reviewer - reviews the scenario for its ability to meet onsite and offsite objectives.

TITLE: Emergency Preparedness Drills and Exercises

- 5.6.6 Maintenance Reviewer - analyze the scenario to determine where additional data may be needed to support maintenance functions.
 - 5.6.7 Safety and Fire Protection Group Reviewer - reviews the scenario for impacts involving fire, emergency medical, and safety issues.
 - 5.6.8 Offsite Agency Representative - State, Federal and local agencies may be asked to review scenarios to ensure scenario design is adequate to support their drill objectives.
- 5.7 Assignment of Drill and Exercise Participants
- 5.7.1 Emergency Planning, in coordination with Emergency Plan Training, should select participants for drills and the biennial exercise at the beginning of the drill and exercise cycle. New players should be scheduled to participate in several drills prior to the exercise. Exercise players should be rotated on an annual basis, with every member of the ERO participating in a drill or exercise at least once every three years.
 - 5.7.2 Emergency Plan Training shall periodically provide a report of personnel who are newly assigned to the position or have not participated in an exercise or drill within the past three years. This list will be used to assist with selection of personnel for drill and exercise participation.
 - 5.7.3 Personnel newly assigned to the ERO shall participate in a drill within 12 months of being assigned to the ERO.
 - 5.7.4 Personnel not fully qualified as an ERO member may participate in a drill for training purposes, but will not be considered qualified for that position until all training requirements are met.
 - 5.7.5 Personnel not fully qualified as an ERO member shall not participate in the annual exercise.
- 5.8 Drill and Exercise Critiques
- 5.8.1 Appendix E of 10 CFR 50 requires that critiques be held after each training drill and exercise. The following critique schedule should be following each drill or exercise:
 - a. Facility Critique - performed at each facility at the conclusion of the drill or exercise.
 - b. Combined Critique - performed after all facility critiques are completed. These critiques are attended by all controllers and key players and compile all outstanding issues from facility critiques. This critique will only be used for the biennial exercise and dress rehearsal.
 - c. Management Critique - A presentation of drill or exercise findings to management. This critique is normally a summary of problems or issues of significance from the combined critique.

TITLE: Emergency Preparedness Drills and Exercises

5.9 Drill and Exercise Reports

Following each drill or exercise, documentation shall be prepared to record who attended the drill, what objectives were achieved, and what remedial actions should be taken.

5.10 Drill and Exercise Action Item Tracking

Corrective Actions identified during drills or exercises shall be tracked using OM7.ID1, "Problem Identification and Resolution - Action Requests."

6. RECORDS

6.1 The following Drill and exercise records shall be retained in RMS for a minimum of 5 years.

6.1.1 Narrative summary of scenario.

6.1.2 Timeline.

6.1.3 Objectives.

6.1.4 Participants.

6.1.5 Report of findings.

6.2 A Drill and Exercise record shall be retained within department files for a minimum of 3 years. This record should consist of a copy of the scenario and supporting data; completed forms and documents generated during the drill or exercise; a listing of participants, controllers and evaluators; and a copy of the Drill/Exercise report.

7. APPENDICES

7.1 Exercise Submittal Milestones

8. REFERENCES

8.1 OM7.ID1, "Problem Identification and Resolution - Action Requests."

8.2 OM10, "Emergency Preparedness."

8.3 DCPD Emergency Plan.

8.4 10 CFR 50.47(b).

8.5 NUREG-0654, 1980, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants."

9. SPONSOR

R. Michael Morris

TITLE: Emergency Preparedness Drills and Exercises

APPENDIX 7.1

Exercise Submittal Milestones

Days prior to the Exercise	Activity
Prior to 180	Organizations determine the extent of play needed to support their drill commitments.
180	Extent of play for all organizations is defined and agreed to by all parties.
180-150	Development of objectives and potential scenarios.
150	Exercise objectives are approved by all organizations. Scenario is selected.
150-135	Exercise timeline is developed.
135	Exercise timeline is approved. Players and controllers are selected for the exercise.
135-90	Exercise package is developed and reviewed by the Scenario Review Group.
100	Letters of transmittal (NRC, FEMA) are prepared (if required).
90	Initial draft of the exercise scenario is submitted to the regulatory agencies (if required).
90-60	Organizations review the exercise scenario for continuity, completeness of data, appropriateness of objectives.
60	Final draft of the exercise scenario is submitted to regulatory agencies (if required). Logistical support for the exercise is initiated.
45	Regulatory agencies provide summary of comments on the exercise if a review has been conducted.
45-15	Controller training is conducted.
< 10	Conduct controller briefing. Add errata list to the exercise and controller manuals. Inspect facilities, check emergency equipment. Verify player lists.

On-The-Spot-Change

	1. PROCEDURE NO. <p style="text-align: center;">EP RB-15</p>	2. CURRENT REV. <p style="text-align: center;">8</p>	3. UNIT <p style="text-align: center;"><input type="checkbox"/> 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 1&2</p>
	4. OTSC TYPE <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary - Expiration Date/Event/Task: _____		
	5. If Temporary, do others using this procedure need to implement this change? <input type="checkbox"/> Y <input type="checkbox"/> N		
	6. REASON FOR CHANGE: (REFERENCE AR, QE, NCR, ETC. ATTACH ADDITIONAL PAGES IF NECESSARY.) A0507339 - The ladder leading from the 85' Motor Repair Shop to the PASS Ventilation Room on the 104' now has a security lock. This change provides instructions for obtaining the necessary access. In addition, this change updates several door numbers in the procedure.		
	7. LIST PROCEDURE PAGES AFFECTED <p style="text-align: center;">3, 6, 8, 9, 11</p>	8. LIST ATTACHMENTS AND PAGES OF ATTACHMENTS AFFECTED <p style="text-align: center;">NA</p>	
PREPARER	9. Mark-up clean copy of affected pages (preferably using pen-and-ink) in a manner which ensures that users can read and understand the changes. <ul style="list-style-type: none"> Affected pages shall include any previous OTSCs affecting that page. Leave previous OTSCs (including dates) as is unless the content is being changed by the new OTSC. Include revision bars, the notation "OTSC" and today's date in the margin next to the change. Highlighting techniques such as a hand drawn "balloon" should be used to clearly identify the change. Additional pages to the procedure shall be given the appropriate page number followed by an alphabetic suffix (e.g., page 3A). 		
	10. <input checked="" type="checkbox"/> N/A - Cross Discipline Review(s) required if OTSC has significant impact on other organizations. <p style="margin-left: 40px;">Organization: _____</p> <p style="margin-left: 40px;">Print Reviewer's Last Name: _____</p>		
	11. Complete the Screen sections on page 2, sign and give to an ITR and if required, an SRO. After authorizations are obtained, process as shown at the bottom of this page.		
ITR	12. Review change and LBIE screen for technical accuracy. Sign and date page 2. 13. SRO review and authorization required if procedure is (a) PGOM sponsored; (b) a Surveillance Test; (c) an Emergency Plan Implementing procedure; (d) a change that affects equipment or system OPERABILITY or availability. If NOT, check SRO block N/A - OTSC is authorized by ITR.		
SRO	14. This change does NOT adversely impact the operating license NOR have an adverse impact on the operating status of plant equipment. 15. If the approving SRO is not the affected unit SFM, then, if appropriate, notify affected unit SFM. <input type="checkbox"/> N/A Print Last Name: <u>DERNT</u> Signature: <u>Steve Dernt</u> Date: <u>8/2/00</u>		
PREPARER - Ensure original OTSC and mark-ups are <u>immediately</u> hand carried to the drop box in the Clearance Coordinator's office or Procedure Services.			
PROCEDURE SERVICES ACTIVITIES (REFERENCE AD3.ID5.)			
16. DATE RECEIVED <p style="text-align: center;">8.2.00</p>	17. OTSC FLAG SET (INITIALS) <p style="text-align: center;">8.2.00 mh</p>	18. IMMEDIATE DIST (INITIALS) <p style="text-align: center;">mh <input type="checkbox"/> N/A</p>	19. SECONDARY DIST (INITIALS) <p style="text-align: center;">mh <input type="checkbox"/> N/A</p>
20. PSRC REVIEW? <input checked="" type="checkbox"/> N <input type="checkbox"/> Y- PSRC MTG#: _____		21. DATE CHANGE NOTICE SENT: _____ <input checked="" type="checkbox"/> N/A	
22. <input type="checkbox"/> Approved <u>OR</u> <input type="checkbox"/> Rejected Remarks: _____			
Approval Authority: _____		Date: _____	
VP & NTS: _____		<input type="checkbox"/> N/A Date: _____	

Rules for use:

DO NOT use an OTSC if any questions are answered "YES."

An OTSC may be used and the LBIE Screen box checked "NO" when a safety evaluation was conducted and documented for a related document and this OTSC is reflecting the approved change. Source document shall be referenced in the Reason for Change Block.

Does the OTSC:			
• Change the essential purpose, major activities, equipment, Operating Mode(s), performance frequency, or range of operation, which define the limits of the intended use of the procedure?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Cause safety-related equipment to become inoperable or unable to perform its intended safety function?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Eliminate a step required to verify operability or functionality, or satisfy a commitment?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Reduce quality verification requirements (e.g., hold points, independent verifications)?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	

Licensing Basis Impact Evaluation Screen			
The term "SAR" is defined in TS3.ID2.			
Does the OTSC:			
• Involve a change to the Facility Operating License (OL), including OL attachments (current and Improved Technical Specifications, Environmental Protection Plan, and Antitrust Conditions)?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Impact a regulatory commitment or obligation contained in the PCD?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Involve a change to the facility design, function, or method of performing the function as described in the SAR?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Involve a change to procedures, system operation, or administrative control over plant activities as described in the SAR (except Chapter 17 of the updated FSAR)?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Result in a test, experiment, condition, or configuration that might affect safe operation of the plant but was not anticipated, described, or evaluated in the SAR?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Rely on a vendor safety evaluation which has not been PSRC reviewed?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Involve a change to the Fire Protection Program as described in the FSAR Update Chapter 9.5?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
• Involve a change to the QA Program as described in FSAR Update Chapter 17?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
Base the following reviews on the TS3.ID2 "pre-screens" and/or the actual plan(s). Document any assistance in the Reason for Change block.			
• Does this OTSC result in a change to the Emergency Plan, Security Plans (PSP, SCP, STQP), or Environmental Protection Plan, or create a situation that may be adverse to the environment?	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	

PREPARER	I have a PIMS qualification title for procedure sponsor.			
	This change meets the OTSC rules for use and I have completed the LBIE Screen and determined that an LBIE is not required.			
	PREPARER SIGNATURE <i>[Signature]</i>	DATE 8/2/00	PRINT LAST NAME BIEZE	PHONE 3452

ITR	I have been designated by the Plant Manager as an independent technical reviewer.			
	The OTSC is technically correct, meets the OTSC rules for use, and does not require an LBIE.			
	ITR SIGNATURE <i>Patrick W. Baxter</i>	DATE 8-2-00	PRINT LAST NAME Baxter	PHONE 4131

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~~X~~ 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, ^{which} 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.

FOR USE IF THE KEYCARDS FAIL.

DTSC 8/2/00

* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

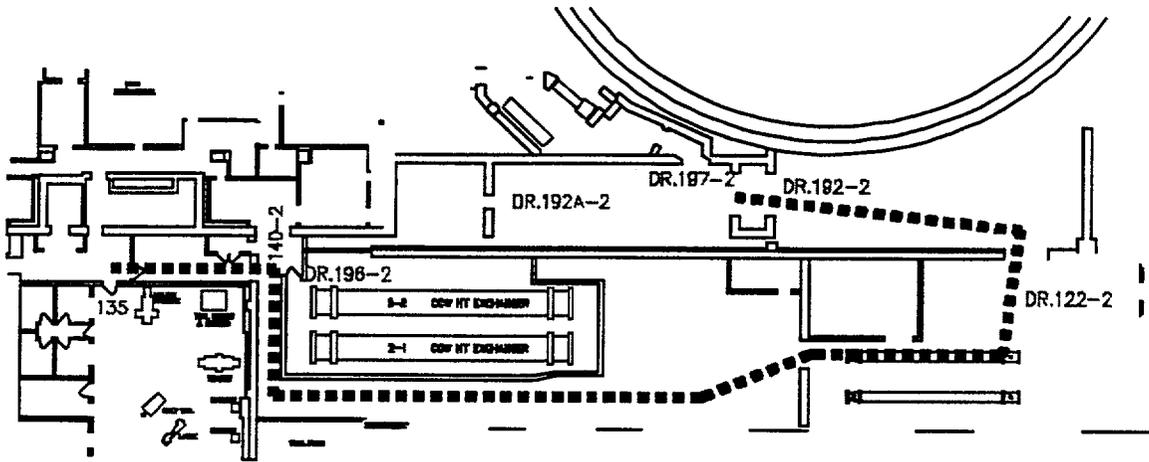
* b. Unit 2

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 #122 to the Motor Repair Shop.

FIGURE 1b

192-2

OTSC 8/2/00



* Does not apply to PASS sampling under normal conditions.

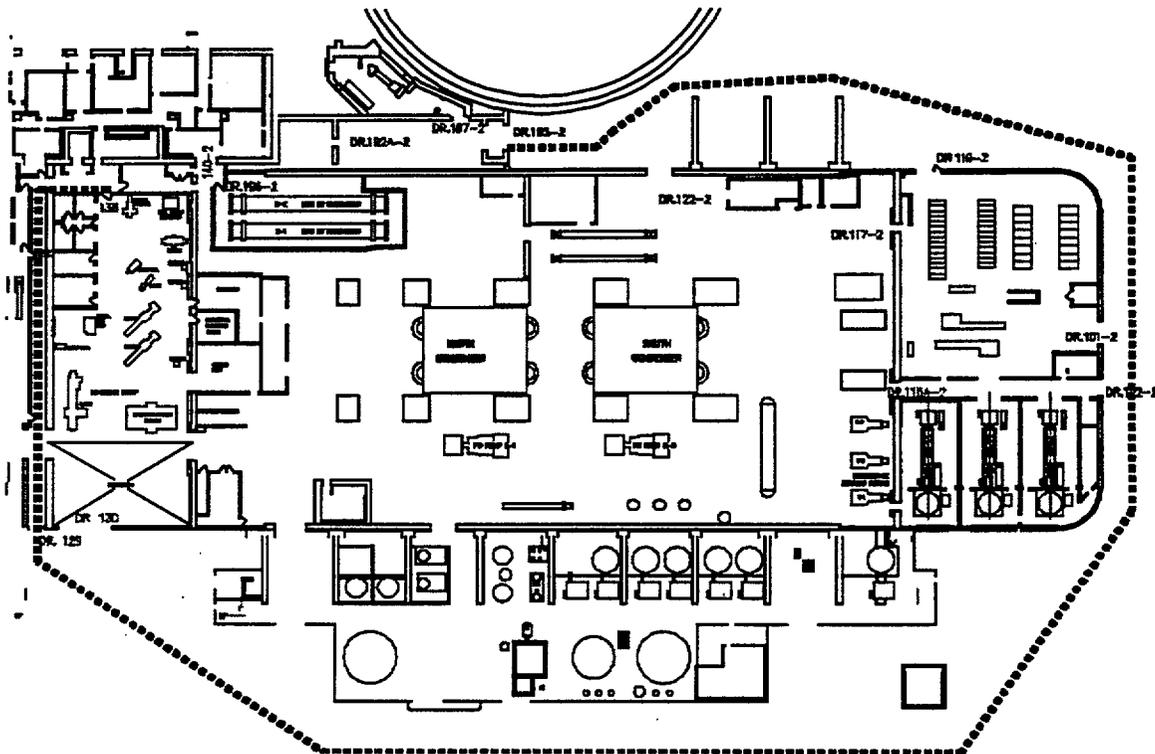
TITLE: Post Accident Sampling System

* 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~~ *192-2.*

*8/2/00
x17*

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).

NOTE: THE AC4 KEY WILL UNLOCK THE COVER ON THE LADDER LOADINGS FROM THE SS TO THE PASS VENTILATION ROOM ON THE 104' LEVEL. THE COVER SHOULD BE RELOCKED AFTER USE.

CTSC 8/2/00

* Does not apply to PASS sampling under normal conditions.

TITLE: Post Accident Sampling System

- 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~~^{192A} south of the Unit 1 Motor Repair Shop, or door #~~192-2~~^{192A-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. []

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* Does not apply to PASS sampling under normal conditions.