

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION V

Report No. 50-323/79-09

Docket No. 50-323 License No. CPPR-69 Safeguards Group _____

Licensee: Pacific Gas and Electric Company

77 Beale Street

San Francisco, California 94106

Facility Name: Diablo Canyon Unit 2

Inspection at: San Luis Obispo County, California

Inspection conducted: February 20-23, 1979

Inspectors: H. S. North Radiation Specialist

2/19/79
Date Signed

Date Signed

Approved By: H. E. Book
H. E. Book, Chief, Fuel Facility and Materials
Safety Branch

3/19/79
Date Signed

Date Signed

Summary:

Inspection on February 20-23, 1979 (Report No. 50-323/79-02)

Areas Inspected: Training in emergency planning and radiation protection; radiation protection, staffing, respiratory protection; radioactive waste systems, Offsite Dose Calculation Manual; monitoring procedures; preoperational tests; and plant tour. The inspection involved eight inspector-hours onsite by one inspector.

Results: No items of noncompliance or deviations were identified.



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DETAILS

1. Persons Contacted

- *R. Ramsay, Plant Superintendent
- *J. Shiffer, Assistant to Plant Superintendent
- *J. Giscoln, Power Plant Engineer
- *M. Norem, Startup Engineer
- *D. Backens, Maintenance Supervisor
- *R. Smith, Security Chief Supervisor
- *J. Shearer, Office Supervisor
- *C. Seward, QA Engineer
- J. Boots, Senior Chemical-Radiation Protection Engineer
- W. O'Hara, Chemical Radiation Protection Engineer
- *J. Diamonon, QC Supervisor
- S. Fridley, Assistant Training Coordinator
- J. Arnold, Coordinating QC Engineer

*Denotes those present at the exit interview.

2. Training - Emergency Planning Radiation Protection

A computerized training record program is being implemented. The program will include records for all plant personnel, except operators, in the areas of radiation protection, emergency planning, security and quality control. The program will identify individuals by name, social security number and job classification which designates the training level required as specified in Administrative Procedure B-2. Copies of class attendance lists and exams will be the only paper records retained. Standard radiation protection lecture notes have been prepared and included as training requirements for particular job classification. Standard lecture notes in other areas will be prepared. At the time of the inspection, radiation protection training data had been entered in the computer. Records of training in areas other than radiation protection will be entered in the computer in the near future. The licensee plans an extension training effort to assure that all personnel have received the required training and retraining.

No items of noncompliance or deviations were identified.

3. Radiation Protection - Staffing

The licensee is in the process of selecting three additional Radiation and Process Monitors (RPM's) which will increase the staff from eight to eleven. Training of the last four RPM's added to the staff is approximately 95% complete.

No items of noncompliance or deviations were identified.



4. Radiation Protection - Respiratory Protection

The licensee stated that implementation of the airborne radioactivity surveillance and respiratory protection program would occur approximately at startup of Unit 1. The inspector verified that the licensee's procedures addressed sections 8.d., e., g., h., i., l., m. and n. of Regulatory Guide 8.15.

No items of noncompliance or deviations were identified.

5. Radioactive Waste Systems - Offsite Dose Calculation Manual (OCDM)

The inspector examined a copy of the licensee's Chemical Analysis Procedure No. A-8, Offsite Dose Calculations and a draft copy of the OCDM Information prepared in response to the requirement to submit an OCDM as a part of the Radiological Effluent Technical Specifications for Unit 1. The inspector commented that the documents did not appear to satisfy the intent of the OCDM but that documents would be evaluated by NRR.

No items of noncompliance or deviations were identified.

6. Gaseous Radioactive Waste Systems - Monitoring Procedures

The licensee informed the inspector that the following previously approved procedures examined as a part of the Unit 1 inspection program (IE Inspection Report 50-275/77-21) would have to be revised as a result of the requirements for the OCDM.

Chemical Analysis Procedure No. F-8

Noble Gas Release Rate Calculations, calculator program for calculating the percent of the release rate limit for noble gases and the dose to the affected downwind sector at the site boundary.

Chemical Analysis Procedure No. F-9

Iodine, Particulate, Tritium and Carbon-14 Release Rate Calculations, calculator program for calculating the release rate, percent of maximum permissible release rate and the sector dose due to the release of a mixture of radionuclides other than noble gases.

No items of noncompliance or deviations were identified.

7. Preoperational Testing

Test data from completed preoperational tests were examined to assure that the test results were within the previously established acceptance criteria and, as applicable, deviations from acceptance

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criteria were properly identified and disposed in accordance with the licensee's administrative procedures. Records for the following completed tests which had been approved and accepted by operations were examined.

<u>Test No.</u>	<u>Test Description</u>
19.2.10 Rev. 1	Flush and Preop of Reactor Coolant Drain Tank, Pumps and Associated Piping.
23.6	Inplace Testing of Auxiliary and Fuel Handling Building Charcoal and HEPA Filters. (Testing performed by AAF and witnessed by PG&E personnel. HEPA filters tested with cold generated DOP. DOP penetration less than 0.03%. Charcoal filters tested with refrigerant R-112. R-112 penetration less than or equal to 0.05%.)
23.9	Inplace Testing of Control Room Ventilation HEPA and Charcoal Filters. (Performed by AAF and witnessed by PG&E personnel. Cold generated DOP maximum penetration 0.0048%. Refrigerant R-112 maximum penetration 0.0056%.)

No items of noncompliance or deviations were identified.

8. Plant Tour

The inspector toured various areas of common interest of the containment, auxiliary and turbine buildings with the resident inspector.

No items of noncompliance or deviations were identified.

9. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on February 23, 1979. The licensee was informed that no items of noncompliance had been identified. The inspector summarized the scope and findings of the inspection. The inspector requested that the licensee keep the inspector informed as to the schedule of the emergency plan drill. The inspector informed the licensee that at least 30 days prior to the first use of respiratory protection under the program authorized by 10 CFR 20.103, the licensee must make the notification required by 10 CFR 20.103(e).

