

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

REGION V

Report No. 50-275/79-10

Docket No. 50-275 License No. CPPR-39 Safeguards Group _____

Licensee: Pacific Gas and Electric Company

77 Beale Street

San Francisco, California 94106

Facility Name: Diablo Canyon Unit 1

Inspection at: San Luis Obispo County, California

Inspection conducted: May 2-3 and 7, 1979

Inspectors: *H. S. North* 5/25/79
H. S. North, Radiation Specialist Date Signed

Date Signed

Date Signed

Approved By: *R. F. Fish* 5/25/79
H. E. Book, Chief, Fuel Facility and Materials Date Signed
Safety Branch

Summary:

Inspection on May 2-3 and 7, 1979 (Report No. 50-275/79-10)

Areas Inspected: Emergency planning, coordination with offsite agencies, tests and drills; radiation protection, staffing and training, instruments and equipment; radioactive waste and solid waste activity estimation. The inspection involved 15-1/2 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

a. Pacific Gas and Electric Company

- *R. Ramsay, Plant Superintendent
- *R. Patterson, Supervisor of Operations
- *J. Shiffer, Technical Assistant to the Plant Superintendent
- *J. Giscohn, Power Plant Engineer
- *J. Boots, Senior Chemical and Radiation Protection Engineer
- W. O'Hara, Chemical and Radiation Protection Engineer
- W. Kaefer, Senior Power Production Engineer
- T. Martin, Shift Foreman, Training Coordinator
- B. Dettman, Security Supervisor
- *J. Diamonon, Q.C. Supervisor
- *M. Leppke, Q.A. Supervisor
- D. Miklush, Power Production Engineer

b. French Hospital and Clinic, San Luis Obispo, California

R. Danielson, M.D., Surgeon-Coordinator

*Denotes those present at the exit interview.

2. Emergency Planning - Coordination with Offsite Agencies

On May 7, 1979, the licensee's agreement with French Hospital to accept possibly contaminated patients was confirmed by telephone. The licensee has coordinated emergency planning with the hospital as described in the emergency plan. On May 2, 1979, the hospital participated in the licensee's emergency plan drill which included the arrival of a simulated injured and contaminated patient at the hospital.

No items of noncompliance or deviations were identified.

3. Emergency Planning - Tests and Drills

On May 2, 1979, the licensee conducted an emergency plan drill. The drill consisted of a series of radio messages transmitted from the control room to the San Luis Obispo County Sheriff's office as a test of the communications system and to provide information to local offsite agencies to permit a test of the local offsite agencies' emergency response plan. This portion of the drill began at 0800, consisted of nine messages and terminated at 1230. At 0900 the site emergency signal was sounded and nonessential personnel



onsite assembled at designated areas. A single vehicle was used to simulate a site evacuation. At 1000 the San Luis Ambulance Service was called to evacuate a simulated contaminated victim from the site to French Hospital. The notification concerning the evacuation of the victim included the Sheriff's office and French Hospital. The victim was accompanied by a member of the licensee's radiation protection staff. At the conclusion of the drill, a critique was conducted by drill participants and observers. Problems identified during the drill and discussed at the critique included the following items:

- a. The initial radio message to the Sheriff's office conflicted with the 0800 security force radio check schedule. The licensee confirmed receipt of the radio message by the Sheriff's office communications center by telephone.
- b. The normal radio traffic received by the Sheriff's office communications center during the drill on some occasions delayed the transmission of messages from the control room.
- c. The plant evacuation was complete and plant staff personnel were accounted for within ten minutes. As a result of confusion as to the proper handling of badges, the accounting of contractor and general construction personnel was not completed for approximately fifty minutes. The actual evacuation occurred in less time but accounting for personnel was based on empty badge board positions and not all those individuals that evacuated turned in their badges when they went to the assembly area.

The drill was conducted and the licensee organization responded in accordance with the licensee's procedures. The response was coordinated, orderly and timely, with the exception of the personnel accounting problem previously noted. The licensee used specifically designated individuals who participated in the post drill critique, to evaluate the licensee's response.

It was noted that although one of the drill messages specifically stated that the NRC and California State OES had been notified, these notifications were deliberately not made.

No items of noncompliance or deviations were identified.

4. Radiation Protection - Organization

The licensee's staff of Radiation and Process Monitors (RPM) now totals nine with two other technicians to be added in the near future. Eight of the RPM's have completed training. The three additions to the staff will be trained as a group.

No items of noncompliance or deviations were identified.



5. Radiation Protection - Instruments and Equipment

The inspector examined the following licensee instrument calibration schedules and procedures:

Instrument and Controls Procedure 6.1-1
Calibration of Victoreen Rad Gun

Instrument and Controls Procedure 6.2-1
Calibration of Eberline Rad Owl

Instrument and Controls Procedure 6.3-1
Calibration of Health Physics Instruments 1010 Survey Meter

The following Surveillance Test Procedures were examined:

I 18G1, Miscellaneous Area Monitors Functional Test

Required monthly on the following area monitors; RM-1, Control Room; RM-2, Containment; RM-4 Charging Pump Room; RM-6, Primary Sampling Room; RM-7, Incore Seal Table Room; RM-8, Drumming Station; RM-10, Auxiliary Building Control Board.

I 18G2, Area Monitor Calibration

Required at 18 month intervals on area monitors; 1R5, Spent Fuel Pool Area; 1R9, New Fuel Storage Area.

I 18I1, Nuclear Fuel Storage Area Monitors Functional Test

Required monthly; verification of response to check source, high voltage with limits, annunciator and Fuel Handling Building ventilation response to high alarm.

I 35A, Control Room Chlorine Monitors Functional Test

Required monthly; acceptance requires Mode 3 operation with loss of power to sensors, in presence of chlorine and instrument fault or loss of flow.

No items of noncompliance or deviations were identified.

6. Radioactive Waste - Solid Waste Activity Estimation

The inspector examined the licensee's procedure, not yet approved, Radiation Control Procedure D-5, Estimation of Radioactivity in Solid Radwaste Packages from Dose Rate Measurements.

No items of noncompliance or deviations were identified.



7. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on May 3, 1979. The licensee was informed that no items of noncompliance had been identified. The inspector summarized the scope and findings of the inspection.

