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Karl R. Goller, Chief, Light Water Reactors Group 1-3, L

FORTHCOMING DIABLO CANYON SITE VISIT AND MEETING WITH PACIFIC GAS AND ELECTRIC COMPANY

Time and Date: 9:00 A. M. - February 20-22, 1974

Location: Diablo Canyon Site
San Luis Obispo, California

Purpose: Electrical Instrumentation & Control Systems Branch Site Visit (see attached agenda).

Participants: PACIFIC GAS & ELECTRIC COMPANY
(W. J. Lindblad, J. B. Hoch, D. Nielsen, J. Colwell)
AEC - STAFF
(D. McDonald, C. F. Miller, D. R. Lasher, T. Hirons)

Thomas J. Hirons
Light Water Reactors Group 1-3
Directorate of Licensing

Enclosure:
Agenda

cc w/encl:
AEC PDR
Local PDR
E. G. Case
A. Giambusso
R. S. Boyd
R. C. DeYoung
R. W. Klecker
D. Eisenhut
RP Assistant Directors
RP Branch Chiefs
J. M. Hendrie
LWR Assistant Directors
LWR Branch Chiefs
R. F. Fraley, ACRS (16)
S. Varga
R. Cushman, EP
L. Chandler, OGC
RO (3)
RS (3)
V. H. Wilson
Meeting Attendees from REG

OFFICE ▶	L:LWR 1-3					
	x7415					
SURNAME ▶	THirons:esp					
DATE ▶	1/ /74					

Form AEC-318 (Rev. 9-53) AECM 0240 GPO c43—16—81465-1 445-678

GENERAL AGENDA

ELECTRICAL INSTRUMENTATION & CONTROL SYSTEM BRANCH

DIABLO CANYON SITE VISIT

1. Control Room

   a. General layout
   b. Nuclear & Reactor Protection instrument arrangement & layout
   c. Rod position indication
   d. Protection System initiation & bypass switch arrangements
   e. Diesel control board
   f. Cabling in control room (separation, loading, etc.)
   g. Radiation Monitoring
   h. Engineered Safety Feature initiation and bypass switch arrangements and status panel.

2. Cable runs & cable spreading area

   a. General layout
   b. Degree of Separation
   c. Tray or wireway density (percentage fill)
   d. Fire Detection & Protection
   e. Penetrations and cable terminations

3. Switchgear Rooms

   a. General layout
   b. Physical & electrical separation of redundant units
   c. Potential for damage due to fire, missiles, etc.
   d. Cable installation

4. Battery Installations

   a. General layout
   b. Physical & electrical separation
   c. Potential for damage due to fire, missiles, etc.
   d. Fire detection & protection and security
   e. Ventilation independence
   f. Monitoring instrumentation

5. Diesel Generators

   a. General layout
   b. Physical & electrical separation from redundant units
   c. Fuel supply system
   d. Fire detection & protection
   e. Qualification tests - interlocks and control panel
   f. Auxiliary systems - starting air, combustion air, ventilating air and service cooling water

6. Reactor Building & Turbine Building

   a. Protection system instrument arrangement & layout
   b. Potential for instrument damage due to fire, missiles, etc.
   c. Separation of piping & wiring to redundant instruments
   d. Provision for testing protection instruments

7. Reactor Trip System

   a. Rod Drive Power Supplies
   b. Reactor Trip Switchgear
   c. Physical & Electrical Separation
   d. Fire Detection & Protection

8. Engineered Safety Feature - Pump Rooms

   a. General Layout
   b. Physical & Electrical Separation
   c. Potential for damage due to Fire, Flooding, Missiles, etc.
   d. Fire Detection & Protection

9. Instrument Piping

   a. Physical separation and single failure
   b. Potential for damage due to missiles, flooding, etc.
   c. Test features

10. Offsite Power System (Switchyard & Transformers)

    a. Physical & electrical separation
    b. Switchyard Breaker Control System
    c. Potential for damage due to fire, flooding, missiles, etc.
    d. Fire detection & protection (Transformers)

11. Intake Structure (Auxiliary Saltwater System)

    a. General Layout
    b. Physical & Electrical Separation of Redundent Units
    c. Fire Detection & Protection.

12. Shared Systems for Multi-Unit Sites

    a. Equipment location and potential for damage
    b. Control room control and assignment to accident unit
    c. Availability upon completion of first unit.

13. Shutdown Outside Control Room

    a. Location for potential damage
    b. Feedwater system, etc.

14. Quality Control

    a. Onsite receipt, storage, installation & protection procedures of installed instrumentation, equipment & cables.