



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-4005**

November 28, 2005

Gregory M. Rueger, Senior Vice  
President, Generation and  
Chief Nuclear Officer  
Pacific Gas and Electric Company  
Diablo Canyon Power Plant  
P.O. Box 3  
Avila Beach, CA 93424

**SUBJECT: DIABLO CANYON POWER PLANT - NOTIFICATION OF AN NRC TRIENNIAL  
FIRE PROTECTION BASELINE INSPECTION (05000275/2006009 AND  
05000323/2006009)**

Dear Mr. Rueger:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC), Region IV staff will conduct a triennial fire protection baseline inspection at the Diablo Canyon Power Plant in January and February of 2006. The inspection team will be comprised of reactor inspectors from the NRC Region IV office and a contractor. The inspection will be conducted in accordance with Inspection Procedure 71111.05T, "Fire Protection (Triennial)," the NRC's baseline fire protection inspection procedure.

The schedule for the inspection is as follows:

- Information gathering visit: January 4 - 5, 2006
- Onsite inspection: January 23 - 27, 2006  
February 13 - 17, 2006

Members of the inspection team will visit the Diablo Canyon Power Plant on January 4 - 5, 2006, to gather information and documents needed to support the inspection, obtain unescorted access, to become familiar with your fire protection program, and to select the fire areas of interest for the inspection. The enclosure to this letter provides a list of documents the team will need to review. You are requested to transmit copies of some of the documents to the NRC Region IV office for team use in preparation for the inspection by the dates listed.

We request that during the onsite inspection weeks, you ensure that copies of analyses, evaluations, or documentation regarding the implementation and maintenance of the fire protection program, including post-fire safe shutdown capability, be readily accessible to the team for their review. Of specific interest are those documents that establish that your fire protection program satisfies NRC regulatory requirements and conforms to applicable NRC and industry fire protection guidance. Also, appropriate personnel knowledgeable of: (1) those plant systems required to achieve and maintain safe shutdown conditions from inside and outside the control room, (2) the electrical aspects of the post-fire safe shutdown analyses,

(3) reactor plant fire protection systems, and (4) the fire protection program and its implementation should be available to support the team at the site during the inspection.

Your cooperation and support during this inspection will be appreciated. If you have questions concerning this inspection or the inspection team's information or logistical needs, please contact Neil O'Keefe at 817-860-8269.

Sincerely,

**//RA//**

Linda J. Smith, Chief  
Engineering Branch 2  
Division of Reactor Safety

Docket: 50-275  
50-323  
License: DPR-80  
DPR-82

Enclosure: Triennial Fire Protection  
Inspection Documentation Requested

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Only inspection reports to the following:

DRS STA (**DAP**)  
 V. Dricks, PAO (**VLD**)  
 J. Dixon-Herrity, OEDO RIV Coordinator (**JLD**)  
**ROPreports**  
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ADAMS: Yes  No Initials: \_LJS\_  
 Publicly Available  Non-Publicly Available  Sensitive Non-Sensitive

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RIV: DRS/PEB/SRI	C: PEB			
NFO'Keefe	LJSmith			
/RA/	GAPick for			
11/23 /2005	11/28 /2005			

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

## ENCLOSURE

### **Triennial Fire Protection Inspection Documentation Requested**

Please provide the following documentation prior to the onsite information gathering trip, preferably no later than December 15, 2005. Where practical, please provide copies electronically on compact discs.

1. The current version of your fire protection program and fire hazards analysis.
2. Post-fire safe shutdown analysis and any supporting calculations which demonstrate acceptable plant response.
3. Copies of the licensing basis documents for fire protection (Safety Evaluation Reports, pertinent sections of the Final Safety Analysis Report, exemptions, deviations, letters to/from the NRC regarding fire protection/fire safe shutdown, etc.).

Please provide the following documentation during the onsite information gathering trip January 3-5, 2006. Where practical, please provide copies electronically on compact discs. However, drawings should be provided as paper copies of sufficient size that all details are legible. Fire protection program implementing procedures (e.g., administrative controls, surveillance testing).

4. Operating procedures used for achieving and maintaining hot and cold shutdown conditions from the control room in the event of a fire outside the control room (III.G.2 areas).
5. Operating procedure(s) used to implement alternative shutdown (III.G.3 areas) capability with or without control room evacuation.
6. Pre-fire plans for the selected fire areas (areas to be selected by the team during the information-gathering trip).
7. A list of equipment used to achieve and maintain hot standby and cold shutdown in the event of a fire (safe shutdown equipment list), and two copies of the piping and instrumentation (flow) diagrams for these systems of a size sufficient to read all details. These should include the systems used for RCS makeup, RCS pressure control, decay heat removal, and reactivity control, including the essential support systems.
8. Plant layout and equipment drawings for the selected fire areas that identify (a) the physical plant locations of major hot standby and cold shutdown equipment; (b) plant fire area and/or fire zone delineation; and (c) the locations of fire protection equipment, such as detection, suppression, and post-fire emergency lighting units, and (d) fire area boundaries.
9. Electrical schematics and cable raceway listings for circuits supplying power to components used to achieve and maintain hot standby and cold shutdown for fires

outside the control room and those components used for those areas requiring alternative shutdown capability.

10. A listing of design change packages, which were determined to impact fire protection and post-fire safe shutdown, performed in the last 3 years.
11. A listing of Generic Letter 86-10 evaluations performed in the last 3 years.
12. A listing of open and closed fire protection Condition Reports initiated in the last 3 years which relate to the fire protection program or equipment.
14. A listing of the applicable codes and standards (e.g. NFPA) related to the design of plant fire protection features and evaluations of any code deviations.
15. Drawings the portions of the emergency lighting system which support fire response.
16. Procedures used to remove smoke from safety-related areas and the engineering studies or calculations which support the design basis.
17. Drawings of communication systems credited in the license basis for firefighting and plant operations during fires where control room is occupied and/or evacuated.
18. Piping and instrumentation (flow) diagrams for the fire water and sprinkler systems.
19. Maintenance Rule performance criteria and 3 years worth of performance history for fire protection program systems or functions monitored within the Maintenance Rule program.
20. A copy of fire protection program requirements (e.g. limiting conditions for operation, surveillance test requirements) covered by Technical Specifications, Technical Requirements Manual, UFSAR, or similar documents.
21. Copies of internal and external self-assessments, audits, peer-assessments or similar reviews related to post-fire safe shutdown capability or the fire protection program completed within the last 3 years.
22. A list of manual actions taken outside the control room which are credited to mitigate the consequences of fires in III.G.2 areas (non-alternative shutdown areas). The list should group actions by the initiating fire area or zone and indicate where the action must take place.
23. Electronic copies of operator study guides (lesson plan text and graphics) or design basis documents that describe the purp[ose/function/operating characteristics of the safe shutdown systems (RCS makeup, RCS pressure control, decay heat removal, and reactivity control, including the essential support systems).
24. Two copies of one-line diagrams of the electrical distribution system. These should depict how power gets from the switchyard to ESF loads (480V and 4160V). Also include the vital DC distribution system one-line diagrams.

25. A copy of any analysis used to determine in which fire areas a fire could cause a loss of offsite power (or conversely, a fire could never cause a loss of offsite power). If there is no analysis, please provide a list of fire areas where offsite power cables are routed, or where key breakers, protective relaying, or transformers are located. We are interested in the equipment that delivers/controls offsite power from the switchyard to the 4160V ESF buses.
26. Please provide a list of automatic and manually initiated gaseous fire suppression systems in the plant, giving location and the key equipment being protected.
27. Please provide a list of repairs (and the procedure that controls the actions) needed to:  
a) reach and/or maintain hot shutdown; b) reach and/or maintain cold shutdown.
28. A list of high to low pressure interface valves.
29. A copy of procedures governing the training and operation of the fire brigade.
30. The team would like to observe a fire brigade drill in the plant, if possible. Please put us in contact with the appropriate personnel to plan a drill by 1/5/06.
31. Organization charts of site personnel down to the level of fire protection staff personnel.
32. A contact list of key site personnel who will be supporting this inspection, giving location of their office and phone number onsite.