



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
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September 1, 2009

John T. Conway, Senior Vice President &  
Chief Nuclear Officer  
Pacific Gas and Electric Company  
P.O. Box 3  
Mail Code 104/6/601  
Avila Beach, CA 93424

SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – DIABLO  
CANYON POWER PLANT

Dear Mr. Conway:

On August 4, 2009, the NRC staff completed its performance review of Diablo Canyon Power Plant, Units 1 and 2. Our technical staff reviewed performance indicators for the most recent quarter and inspection results for the period from July 1, 2008, through June 30, 2009. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Diablo Canyon Power Plant, Units 1 and 2, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green). In addition to baseline inspections, we also plan on implementing Inspection Procedure 71007, "Reactor Vessel Head Replacement Inspection," for Unit 2.

In the 2008 annual assessment letter, dated March 4, 2009, the NRC identified a crosscutting theme associated with the corrective action program component of the problem identification and resolution area related to the failure of site personnel to thoroughly evaluate problems [P.1.(c)]. At the time, the NRC did not identify a substantive crosscutting issue because this theme represented a recent performance trend. Once identified, you placed this issue into your corrective action program and began developing actions to address this issue.

During the current 12-month assessment period, the staff identified more than four Green findings with documented crosscutting aspects in the area of problem identification and resolution associated with the same theme related to the failure of site personnel to thoroughly evaluate problems [P.1.(c)]. Specifically, seven findings with this crosscutting theme were identified during this current assessment period. Although some of these findings were documented in the last quarter of the assessment period, only one was related to an inadequate evaluation that originated in the last quarter of the assessment period. Since the number of

findings with this crosscutting theme continued to decrease during the assessment period, it appears that the corrective actions you have implemented have begun to show some improvement. As such, we have determined that a substantive crosscutting issue does not exist at this time. We will continue to monitor the progress of your corrective action through the baseline inspection program over the assessment period.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2010. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review. We are also evaluating potential changes to the inspection program in the radiation safety cornerstone. Consequently, some specific inspection procedures and the inspection schedule may be revised for 2010.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 817-860-8141 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Vincent Gaddy, Chief  
Reactor Projects Branch B  
Division of Reactor Projects

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Licenses: DPR-80; DPR-82

Enclosure:  
Diablo Canyon Inspection/Activity Plan

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SUNSI Rev Compl.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ADAMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewer Initials	VGG
Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	VGG
RIV:SPE/DRP/PBB	C:DRP/PBB	D:DRS	CLDRO/PBB		
RWDeese	VGGaddy	RJCaniano	VGGaddy		
/RA/	/RA/	/RA/	/RA/		
8/19/09	8/19/09	8/20/09	8/27/09		

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**Diablo Canyon**  
**Inspection / Activity Plan**  
**09/01/2009 - 12/31/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>PBB-RVH2 - UNIT 2 REACTOR VESSEL HEAD REPLACEMENT</b>					<b>2</b>
2	05/10/2009	12/31/2009	IP 71007	Reactor Vessel Head Replacement Inspection	
<b>EB1-08 - U2 INSERVICE INSPECTION</b>					<b>3</b>
2	10/12/2009	10/23/2009	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
2	10/12/2009	10/23/2009	IP 7111108P	Inservice Inspection Activities - PWR	
<b>EXAM - INITIAL EXAM</b>					<b>6</b>
1	11/30/2009	12/04/2009	X02435	INITIAL EXAM- DC (4/31/2010)	
2	11/30/2009	12/04/2009	X02436	INITIAL EXAM- DC 2 (3/31/2010)	
2	01/11/2010	01/22/2010	X02435	INITIAL EXAM- DC (4/31/2010)	
1	01/11/2010	01/22/2010	X02436	INITIAL EXAM- DC 2 (3/31/2010)	
<b>RP-ORS5 - OCCUPATIONAL RADIATION SAFETY - ALARA</b>					<b>1</b>
1,2	12/14/2009	12/18/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	12/14/2009	12/18/2009	IP 7112102	ALARA Planning and Controls	
1,2	12/14/2009	12/18/2009	IP 71151	Performance Indicator Verification	
<b>EB1-21 - CDBI</b>					<b>6</b>
1,2	02/08/2010	02/12/2010	IP 7111121	Component Design Bases Inspection	
1,2	02/22/2010	03/05/2010	IP 7111121	Component Design Bases Inspection	
<b>PSB2-52B - BIENNIAL PI&amp;R</b>					<b>4</b>
1,2	03/22/2010	03/26/2010	IP 71152B	Identification and Resolution of Problems	
1,2	04/05/2010	04/09/2010	IP 71152B	Identification and Resolution of Problems	
<b>EXAM - INITIAL EXAM</b>					<b>3</b>
1	04/12/2010	04/16/2010	X02435	INITIAL EXAM- DC (4/31/2010)	
1	05/17/2010	05/21/2010	X02435	INITIAL EXAM- DC (4/31/2010)	
<b>RP-ORS2 - OCCUPATIONAL RADIATION SAFETY-ALARA</b>					<b>1</b>
1,2	06/14/2010	06/18/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1,2	06/14/2010	06/18/2010	IP 7112102	ALARA Planning and Controls	
1,2	06/14/2010	06/18/2010	IP 71151	Performance Indicator Verification	
<b>EP-1 - BIENNIAL EP EXERCISE INSPECTION</b>					<b>3</b>
1,2	08/09/2010	08/13/2010	IP 7111401	Exercise Evaluation	
1,2	08/09/2010	08/13/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	08/09/2010	08/13/2010	IP 71151-EP01	Drill/Exercise Performance	
1,2	08/09/2010	08/13/2010	IP 71151-EP02	ERO Drill Participation	
1,2	08/09/2010	08/13/2010	IP 71151-EP03	Alert & Notification System	
<b>RP-ORS1 - OCCUPATIONAL RADIATION SAFETY</b>					<b>1</b>
1,2	10/04/2010	10/08/2010	IP 7112101	Access Control to Radiologically Significant Areas	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

**Diablo Canyon**  
**Inspection / Activity Plan**  
**09/01/2009 - 12/31/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>RP-ORS1 - OCCUPATIONAL RADIATION SAFETY</b>					<b>1</b>
1,2	10/04/2010	10/08/2010	IP 7112102	ALARA Planning and Controls	
1,2	10/04/2010	10/08/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1,2	10/04/2010	10/08/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
<b>EB1-08P - INSERVICE INSPECTION - U1</b>					<b>3</b>
1	10/12/2010	11/05/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
1	10/12/2010	11/05/2010	IP 7111108P	Inservice Inspection Activities - PWR	
<b>EB2-07T - TRIENNIAL HEAT SINK PERFORMANCE</b>					<b>1</b>
1,2	12/06/2010	12/10/2010	IP 7111107T	Heat Sink Performance	
<b>RP TEAM - RADIATION SAFETY TEAM INSPECTION</b>					<b>4</b>
1,2	12/06/2010	12/10/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
1,2	12/06/2010	12/10/2010	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
1,2	12/06/2010	12/10/2010	IP 7112202	Radioactive Material Processing and Transportation	
1,2	12/06/2010	12/10/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
1,2	12/06/2010	12/10/2010	IP 7113011	Material Control and Accounting (MC&A)	

This report does not include INPO and OUTAGE activities.  
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