



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
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September 2, 2008

John T. Conway
Senior Vice President and
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 5, 2008, the NRC staff completed its performance review of Diablo Canyon Power Plant, Units 1 and 2 for the first half of the calendar year 2008 assessment cycle. Our technical staff reviewed performance indicators for the most recent quarter and inspection results over the previous 12 months. 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-Related Information" will include the security cornerstone review and resultant inspection plan.

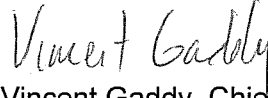
Plant performance for the most recent quarter at Diablo Canyon Units 1 and 2 was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green). In addition to baseline inspections, we also plan on implementing Inspection Procedure 50001, "Steam Generator Replacement Inspection, for Unit 1.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2009. 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 9 months of the inspection plan are tentative and may be revised at the end-of-cycle review.

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 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,



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

Dockets: 50-275
50-323
Licenses: DPR-80
DPR-82

Enclosure: Diablo Canyon Inspection/ Activity Plan

cc w/Enclosure

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Diablo Canyon 1
Inspection / Activity Plan
09/01/2008 - 12/31/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	PSB2-52B - BIENNIAL P&R INSPECTION		4			
1	IP 71152B	Identification and Resolution of Problems		11/10/2008	11/14/2008	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		11/17/2008	11/21/2008	Baseline Inspections
	EB1-17T - 50.59 AND MODS		3			
1	IP 711117	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		09/01/2008	09/12/2008	Baseline Inspections
	EP1 - EP EXERCISE INSPECTION		3			
1	IP 2515175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review		10/27/2008	10/31/2008	Baseline Inspections
1	IP 7111401	Exercise Evaluation		10/27/2008	10/31/2008	EP Baseline Inspection
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/27/2008	10/31/2008	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		10/27/2008	10/31/2008	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		10/27/2008	10/31/2008	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		10/27/2008	10/31/2008	Baseline Inspections
	RP-ORS2 - OCCUPATIONAL RADIATION SAFETY-ACCESS		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		11/03/2008	11/07/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		11/03/2008	11/07/2008	Baseline Inspections
1	IP 71151-OR01	Occupational Exposure Control Effectiveness		11/03/2008	11/07/2008	Baseline Inspections
	RP TEAM - RADIATION SAFETY TEAM INSPECTION		5			
1	IP 2515173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative		12/08/2008	12/12/2008	Generic Safety Inspecti
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/08/2008	12/12/2008	Baseline Inspections
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		12/08/2008	12/12/2008	Baseline Inspections
1	IP 7112202	Radioactive Material Processing and Transportation		12/08/2008	12/12/2008	Baseline Inspections
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		12/08/2008	12/12/2008	Baseline Inspections
	U1 SG - STEAM GENERATOR REPLACEMENT - UNIT 1		1			
1	IP 50001	Steam Generator Replacement Inspection		01/01/2009	04/01/2009	Other Routine
	EXAM - INITIAL EXAM		3			
1	X02427	INITIAL EXAM-DC UNIT 1 (3/09)		01/05/2009	01/09/2009	Not Applicable
1	X02427	INITIAL EXAM-DC UNIT 1 (3/09)		02/09/2009	02/13/2009	Not Applicable
	EB1-08 - U1 INSERVICE INSPECTION		2			
1	IP 2515172	Reactor Coolant System Dissimilar Metal Butt Welds		01/26/2009	03/26/2009	Generic Safety Inspecti
1	IP 7111108P	Inservice Inspection Activities - PWR		01/26/2009	03/26/2009	Baseline Inspections
	RP-ORS3 - OCCUPATIONAL RADIATION SAFETY - ALARA		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		04/06/2009	04/10/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		04/06/2009	04/10/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		04/06/2009	04/10/2009	Baseline Inspections

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

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
1	REGUL I - OPERATOR BIENNIAL REQUAL INSPECTION		3			
	IP 7111111B	Licensed Operator Requalification Program		05/11/2009	05/15/2009	Baseline Inspections
	EB2-05T - TRIENNIAL FIRE PROTECTION		4			
1	IP 7111105T	Fire Protection [Triennial]		06/08/2009	06/12/2009	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		07/06/2009	07/10/2009	Baseline Inspections
1	IP 7111105T	Fire Protection [Triennial]		07/20/2009	07/24/2009	Baseline Inspections
	RP-ORS4 - OCCUPATIONAL RADIATION SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		09/28/2009	10/02/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		09/28/2009	10/02/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		09/28/2009	10/02/2009	Baseline Inspections
	EXAM - INITIAL EXAM		5			
1	X02410	INITIAL EXAM UNIT 1-DC (8/2009)		11/30/2009	12/04/2009	Not Applicable
	RP-ORS5 - OCCUPATIONAL RADIATION SAFETY - ALARA		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		12/14/2009	12/18/2009	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		12/14/2009	12/18/2009	Baseline Inspections
1	IP 71151	Performance Indicator Verification		12/14/2009	12/18/2009	Baseline Inspections

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Diablo Canyon 2
Inspection / Activity Plan
09/01/2008 - 12/31/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End	Inspection Type
2	U2 SG	- STEAM GENERATOR REPLACEMENT - UNIT 2	2		
2	IP 50001	Steam Generator Replacement Inspection		11/01/2007 12/31/2008	Other Routine
2	PSB2-52B	- BIENNIAL PI&R INSPECTION	4		
2	IP 71152B	Identification and Resolution of Problems		11/10/2008 11/14/2008	Baseline Inspections
2	IP 71152B	Identification and Resolution of Problems		11/17/2008 11/21/2008	Baseline Inspections
2	EB1-17T	- 50.59 AND MODS	3		
2	IP 711117	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications		09/01/2008 09/12/2008	Baseline Inspections
2	EP1	- EP EXERCISE INSPECTION	3		
2	IP 2515/175	Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review		10/27/2008 10/31/2008	Baseline Inspections
2	IP 7111401	Exercise Evaluation		10/27/2008 10/31/2008	EP Baseline Inspection
2	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/27/2008 10/31/2008	EP Baseline Inspection
2	IP 71151-EP01	Drill/Exercise Performance		10/27/2008 10/31/2008	Baseline Inspections
2	IP 71151-EP02	ERO Drill Participation		10/27/2008 10/31/2008	Baseline Inspections
2	IP 71151-EP03	Alert & Notification System		10/27/2008 10/31/2008	Baseline Inspections
2	RP-ORS2	- OCCUPATIONAL RADIATION SAFETY-ACCESS	1		
2	IP 7112101	Access Control to Radiologically Significant Areas		11/03/2008 11/07/2008	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		11/03/2008 11/07/2008	Baseline Inspections
2	IP 71151-PR01	RETS/ODCM Radiological Effluent		11/03/2008 11/07/2008	Baseline Inspections
2	RP TEAM	- RADIATION SAFETY TEAM INSPECTION	5		
2	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative		12/08/2008 12/12/2008	Generic Safety Inspecti
2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/08/2008 12/12/2008	Baseline Inspections
2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		12/08/2008 12/12/2008	Baseline Inspections
2	IP 7112202	Radioactive Material Processing and Transportation		12/08/2008 12/12/2008	Baseline Inspections
2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		12/08/2008 12/12/2008	Baseline Inspections
2	EXAM	- INITIAL EXAM	3		
2	X02428	INITIAL EXAM-DC UNIT 2(3/09)		01/05/2009 01/09/2009	Not Applicable
2	X02428	INITIAL EXAM-DC UNIT 2(3/09)		02/09/2009 02/13/2009	Not Applicable
2	RP-ORS3	- OCCUPATIONAL RADIATION SAFETY - ALARA	1		
2	IP 7112101	Access Control to Radiologically Significant Areas		04/06/2009 04/10/2009	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		04/06/2009 04/10/2009	Baseline Inspections
2	IP 71151	Performance Indicator Verification		04/06/2009 04/10/2009	Baseline Inspections
2	REGUAL I	- OPERATOR BIENNIAL REGUAL INSPECTION	3		
2	IP 711111B	Licensed Operator Requalification Program		05/11/2009 05/15/2009	Baseline Inspections
2	EB2-05T	- TRIENNIAL FIRE PROTECTION	4		
2	IP 7111105T	Fire Protection [Triennial]		06/08/2009 06/12/2009	Baseline Inspections

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Diablo Canyon 2
 Inspection / Activity Plan
 09/01/2008 - 12/31/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
EB2-05T - TRIENNIAL FIRE PROTECTION						
2	IP 7111105T	Fire Protection [Triennial]	4	07/06/2009	07/10/2009	Baseline Inspections
2	IP 7111105T	Fire Protection [Triennial]		07/20/2009	07/24/2009	Baseline Inspections
RP-ORS4 - OCCUPATIONAL RADIATION SAFETY						
2	IP 7112101	Access Control to Radiologically Significant Areas	1	09/28/2009	10/02/2009	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		09/28/2009	10/02/2009	Baseline Inspections
2	IP 711151	Performance Indicator Verification		09/28/2009	10/02/2009	Baseline Inspections
EB1-08 - U2 INSERVICE INSPECTION						
2	IP 2515172	Reactor Coolant System Dissimilar Metal Butt Welds	2	10/05/2009	10/23/2009	Generic Safety Inspecti.
2	IP 7111108P	Inservice Inspection Activities - PWR		10/05/2009	10/23/2009	Baseline Inspections
EXAM - INITIAL EXAM						
2	X02411	INITIAL EXAM UNIT 2-DC (8/2009)	5	11/30/2009	12/04/2009	Not Applicable
RP-ORS5 - OCCUPATIONAL RADIATION SAFETY - ALARA						
2	IP 7112101	Access Control to Radiologically Significant Areas	1	12/14/2009	12/18/2009	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		12/14/2009	12/18/2009	Baseline Inspections
2	IP 711151	Performance Indicator Verification		12/14/2009	12/18/2009	Baseline Inspections