



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E LAMAR BLVD
ARLINGTON, TX 76011-4511

September 1, 2015

Mr. Edward D. Halpin
Senior Vice President and
Chief Nuclear Officer
Pacific Gas and Electric Company
Diablo Canyon Power Plant
P.O. Box 56, Mail Code 104/6
Avila Beach, CA 93424

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR DIABLO CANYON POWER PLANT,
UNITS 1 AND 2 (REPORT 05000275/2015005 AND 05000323/2015005)**

Dear Mr. Halpin:

On August 11, 2015, the Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Diablo Canyon Power Plant, Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2014, through June 30, 2015. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined the performance at Diablo Canyon Power Plant, Units 1 and 2, during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix, effective beginning the fourth quarter 2014, because of one White finding in the Emergency Preparedness Cornerstone, for Units 1 and 2. The specifics regarding the White finding in the Emergency Preparedness Cornerstone and subsequent transition of Diablo Canyon Power Plant, Units 1 and 2, to the Regulatory Response Column was described in our annual assessment letter to you, dated March 4, 2015.

The NRC plans to conduct a supplemental inspection to review the actions taken to address the performance issues associated with the White finding in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." The NRC will plan this inspection activity when you provide written notification of your readiness for the inspection. This supplemental inspection will provide assurance that the root causes and contributing causes of the risk-significant performance issues are understood, that the extent of condition and extent of cause of risk-significant performance issues are identified, and that your corrective actions for risk-significant performance issues are sufficient to address the root and contributing causes and prevent recurrence.

The enclosed inspection plan lists the inspections scheduled through June 30, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan.

The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," which requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," which requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. The audit has been completed at Diablo Canyon Power Plant, and the information gathered will aid staff in development of the ultimate Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 2515/191, "Inspection of the Implementation of Mitigating Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be 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).

Please contact Ryan Alexander at (817) 200-1195 with any questions you have regarding this letter.

Sincerely,

/RA/

Troy Pruett, Director
Division of Reactor Projects

Docket Nos.: 50-275; 50-323
License Nos.: DPR-80; DPR-82

Enclosure: Diablo Canyon Power Plant,
Units 1 and 2 Inspection/Activity Plan

E. Halpin

-2-

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SIGNATURE	<i>/RA/</i>	<i>/RA/</i>	<i>/RA/</i>				
DATE	8/26/15	8/26/15	8/27/15				

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Letter to Edward D. Halpin from Troy Pruett dated September 1, 2015

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DIABLO CANYON POWER PLANT,
UNITS 1 AND 2 (REPORT 05000275/2015005 AND 05000323/2015005)

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Distribution via Listserv for Diablo Canyon Power Plant

Diablo Canyon

Inspection / Activity Plan

07/01/2015 - 06/30/2017

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			EP-1	- BIENNIAL EP PROGRAM INSPECTION	1
1, 2	07/20/2015	07/24/2015	IP 7111402	Alert and Notification System Testing	
1, 2	07/20/2015	07/24/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	07/20/2015	07/24/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	07/20/2015	07/24/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			EP-2	- EP PERFORMANCE INDICATORS	1
1, 2	07/20/2015	07/24/2015	IP 71151-EP01	Drill/Exercise Performance	
1, 2	07/20/2015	07/24/2015	IP 71151-EP02	ERO Readiness	
1, 2	07/20/2015	07/24/2015	IP 71151-EP03	Alert & Notification System Reliability	
			RS 24	- RADIATION SAFETY	2
1, 2	07/27/2015	07/31/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	07/27/2015	07/31/2015	IP 71124.04	Occupational Dose Assessment	
			RS 13 PI	- RADIATION SAFETY	2
1, 2	10/12/2015	10/16/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/12/2015	10/16/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	10/12/2015	10/16/2015	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	10/12/2015	10/16/2015	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			71111.08	- INSERVICE INSPECTION 1R19	1
1	10/12/2015	10/23/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			EB1-21T	- DC COMPONENT DESIGN BASIS INSPECTION	6
1, 2	02/08/2016	03/11/2016	IP 7111121	Component Design Bases Inspection	
			EXAM	- INITIAL EXAM	3
1	09/19/2016	09/23/2016	X02599	2ND INITIAL EXAM DC U1 (09/2016)	
2	09/19/2016	09/23/2016	X02600	2ND INITIAL EXAM DC U2 (09/2016)	
1	10/03/2016	10/07/2016	X02599	2ND INITIAL EXAM DC U1 (09/2016)	
2	10/03/2016	10/07/2016	X02600	2ND INITIAL EXAM DC U2 (09/2016)	
			EXAMS	- INITIAL OPERATOR EXAM	5
1	03/21/2016	03/25/2016	X02569	INITIAL EXAM DIABLO CANYON UNIT 1 (04/2016)	
2	03/21/2016	03/25/2016	X02570	INITIAL EXAM DIABLO CANYON UNIT 2 (04/2016)	
1	04/18/2016	04/26/2016	X02569	INITIAL EXAM DIABLO CANYON UNIT 1 (04/2016)	
2	04/18/2016	04/26/2016	X02570	INITIAL EXAM DIABLO CANYON UNIT 2 (04/2016)	
			RS 12 PI	- RADIATION SAFETY	2
1, 2	05/09/2016	05/13/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/09/2016	05/13/2016	IP 71124.02	Occupational ALARA Planning and Controls	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Diablo Canyon

Inspection / Activity Plan

07/01/2015 - 06/30/2017

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			RS 12 PI - RADIATION SAFETY		2
1, 2	05/09/2016	05/13/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	05/09/2016	05/13/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
2	05/09/2016	05/20/2016	71111.08 - INSERVICE INSPECTION 2R19		1
			IP 7111108P	Inservice Inspection Activities - PWR	
1, 2	06/27/2016	07/01/2016	TSB 52B - BIENNIAL P&R INSPECTION		4
1, 2	07/11/2016	07/15/2016	IP 71152B	Problem Identification and Resolution	
			IP 71152B	Problem Identification and Resolution	
1, 2	08/01/2016	08/05/2016	EB1-07T - DC TRIENNIAL HEAT SINK PERFORMANCE		1
			IP 7111107T	Heat Sink Performance	
1, 2	08/08/2016	08/12/2016	RS 5678 - RADIATION SAFETY - TEAM		4
1, 2	08/08/2016	08/12/2016	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	08/08/2016	08/12/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	08/08/2016	08/12/2016	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	08/08/2016	08/12/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	10/03/2016	10/07/2016	EB2-05XT - TRIENNIAL FIRE PROTECTION INSPECTION		4
1, 2	10/17/2016	10/21/2016	IP 7111105X	Fire Protection - NFFPA 805 (Triennial)	
			IP 7111105X	Fire Protection - NFFPA 805 (Triennial)	
1	10/31/2016	11/04/2016	EP-2 - EP PERFORMANCE INDICATORS		2
1	10/31/2016	11/04/2016	IP 71151-EP01	Drill/Exercise Performance	
1	10/31/2016	11/04/2016	IP 71151-EP02	ERO Readiness	
1	10/31/2016	11/04/2016	IP 71151-EP03	Alert & Notification System Reliability	
1	10/31/2016	11/04/2016	EP-3 - BIENNIAL EP EXERCISE INSPECTION		4
1	10/31/2016	11/04/2016	IP 7111401	Exercise Evaluation	
1	10/31/2016	11/04/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	04/03/2017	04/07/2017	INSP-BRQ - BIENNIAL REQUAL INSPECTION		2
			IP 7111111B	Licensed Operator Requalification Program	
1, 2	05/08/2017	05/12/2017	RS 13 PI - RADIATION SAFETY		3
1, 2	05/08/2017	05/12/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/08/2017	05/12/2017	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/08/2017	05/12/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1, 2	05/08/2017	05/12/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
1	05/08/2017	05/19/2017	71111.08 - INSERVICE INSPECTION		1
			IP 7111108P	Inservice Inspection Activities - PWR	

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Diablo Canyon

Inspection / Activity Plan

07/01/2015 - 06/30/2017

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
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1, 2	06/12/2017	06/30/2017	EB1-17T IP 7111117T	- DC PERMANENT PLANT MODS & 50.59 Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	3
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 This report shows only on-site and announced inspection procedures.