



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
1600 E. LAMAR BLVD  
ARLINGTON TX 76011-4511

August 31, 2016

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 05000275/2016005 AND 05000323/2016005)

Dear Mr. Halpin:

On August 10, 2016, the U.S. 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, 2015 through June 30, 2016. 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 that overall, Diablo Canyon Power Plant, Units 1 and 2, operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Diablo Canyon Power Plant, Units 1 and 2, during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility. As discussed in our annual assessment letter dated March 2, 2016, Diablo Canyon Power Plant, Units 1 and 2, transitioned to the Licensee Response Column (Column 1) of the NRC's ROP Action Matrix as of December 28, 2015, following our completion of a supplemental inspection in late 2015 for a previously identified White finding in the Emergency Preparedness Cornerstone.

The enclosed inspection plan lists the inspections scheduled through June 30, 2018. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the second half 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," and Order EA-12-051, "Order Modifying Licenses with Regard to

Reliable Spent Fuel Pool Instrumentation.” The NRC conducted audits of licensee efforts towards compliance with these Orders, 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 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 191, “Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans.”

In Staff Requirements Memorandum – SECY 16-0009, “Recommendations Resulting from the Integrated Prioritization and Re-Baselining of Agency Activities,” the Commission approved the NRC staff recommendation to discontinue the formal mid-cycle assessment process beginning in calendar year 2017. This will be the final mid-cycle assessment letter. The staff will continue to conduct quarterly assessment meetings and communicate changes in the assessment of licensee performance in accordance with the guidance in Inspection Manual Chapter 0305, “Operating Reactor Assessment Program.”

In accordance with Title 10 of the *Code of Federal Regulations* (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 Agencywide Documents Access and Management 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 me at 817-200-1148 with any questions you have regarding this letter.

Sincerely,

/RA/

Jeremy R. Groom, Chief  
Projects Branch A  
Division of Reactor Projects

Docket Nos. 50-275, 50-323  
License Nos. DPR-80, DPR-82

Enclosure:  
Diablo Canyon Inspection/Activity Plan

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**Diablo Canyon**  
**Inspection / Activity Plan**  
**07/01/2016 - 06/30/2018**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>EXAM - INITIAL EXAM</b>					<b>3</b>
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	10/17/2016	10/21/2016	X02599	2ND INITIAL EXAM DC U1 (09/2016)	
2	10/17/2016	10/21/2016	X02600	2ND INITIAL EXAM DC U2 (09/2016)	
<b>TSB 52B - BIENNIAL PI&amp;R INSPECTION</b>					<b>4</b>
1,2	06/27/2016	07/01/2016	IP 71152B	Problem Identification and Resolution	
1,2	07/11/2016	07/15/2016	IP 71152B	Problem Identification and Resolution	
<b>EB1-07T - DC TRIENNIAL HEAT SINK PERFORMANCE</b>					<b>1</b>
1,2	08/01/2016	08/05/2016	IP 7111107T	Heat Sink Performance	
<b>RS 5678 - RADIATION SAFETY - TEAM</b>					<b>4</b>
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	09/12/2016	09/16/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>EB2-05XT - TRIENNIAL FIRE PROTECTION INSPECTION</b>					<b>4</b>
1,2	10/03/2016	10/07/2016	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
1,2	10/17/2016	10/21/2016	IP 7111105X	Fire Protection - NFPA 805 (Triennial)	
<b>ISFSI - LOADING INSPECTION</b>					<b>1</b>
1,2	09/19/2016	09/23/2016	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>EP-2 - EP PERFORMANCE INDICATORS</b>					<b>1</b>
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	
<b>EP-3 - BIENNIAL EP EXERCISE INSPECTION</b>					<b>4</b>
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	
<b>INSP-BRQ - BIENNIAL REQUAL INSPECTION</b>					<b>2</b>
1,2	04/03/2017	04/07/2017	IP 7111111B	Licensed Operator Requalification Program	
<b>RS 13 PI - RADIATION SAFETY</b>					<b>3</b>
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	

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

Enclosure

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			<b>71111.08 - INSERVICE INSPECTION</b>		<b>1</b>
1	05/08/2017	05/19/2017	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>EB1-17T - DC PERMANENT PLANT MODS &amp; 50.59</b>		<b>3</b>
1,2	06/12/2017	06/16/2017	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1,2	06/26/2017	06/30/2017	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>RS 24 - RADIATION SAFETY</b>		<b>2</b>
1,2	07/31/2017	08/04/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	07/31/2017	08/04/2017	IP 71124.04	Occupational Dose Assessment	
			<b>EXAM - INITIAL EXAM</b>		<b>6</b>
1	12/11/2017	12/15/2017	X02595	INITIAL EXAM DC U1 (10/2017)	
2	12/11/2017	12/15/2017	X02596	INITIAL EXAM DC U2 (10/2017)	
1	01/22/2018	02/05/2018	X02595	INITIAL EXAM DC U1 (10/2017)	
2	01/22/2018	02/05/2018	X02596	INITIAL EXAM DC U2 (10/2017)	
			<b>EP-1 - BIENNIAL EP PROGRAM INSPECTION</b>		<b>1</b>
1,2	10/30/2017	11/03/2017	IP 7111402	Alert and Notification System Testing	
1,2	10/30/2017	11/03/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	10/30/2017	11/03/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	10/30/2017	11/03/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>EP-2 - EP PERFORMANCE INDICATOR VERIFICATION</b>		<b>1</b>
1,2	10/30/2017	11/03/2017	IP 71151-EP01	Drill/Exercise Performance	
1,2	10/30/2017	11/03/2017	IP 71151-EP02	ERO Readiness	
1,2	10/30/2017	11/03/2017	IP 71151-EP03	Alert & Notification System Reliability	

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Enclosure

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DATE	8/22/16	8/19/16	8/22/16	8/26/16		

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Letter to Edward Halpin from Jeremy Groom dated August 31, 2016

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR DIABLO CANYON POWER PLANT,  
UNITS 1 AND 2 (REPORT 05000275/2016005 AND 05000323/2016005)

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