



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
1600 EAST LAMAR BOULEVARD  
ARLINGTON, TEXAS 76011-4511

March 1, 2018

Mr. James M. Welsch  
Vice President, Nuclear Generation  
and Chief Nuclear Officer  
Pacific Gas and Electric Company  
P.O. Box 56  
Mail Code 104/6  
Avila Beach, CA 93424

SUBJECT: ANNUAL ASSESSMENT LETTER FOR DIABLO CANYON POWER PLANT,  
UNITS 1 AND 2 (REPORT 05000275/2017006 AND 05000323/2017006)

Dear Mr. Welsch:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Diablo Canyon Power Plant, Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017 through December 31, 2017. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Diablo Canyon Power Plant, Unit 1, during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections for Unit 1 at your facility in 2018.

The NRC determined the performance at Diablo Canyon Power Plant, Unit 2, during the most recent quarter was within the Regulatory Response Column, the second highest performance column of the NRC's ROP Action Matrix. This conclusion was based on a single, Unit 2-related inspection finding having low-to-moderate safety significance (i.e., White) in the Mitigating Systems Cornerstone originating in the third quarter of 2016, and all PIs being within the expected range (i.e., Green). The NRC previously communicated the final significance determination associated with this finding, and the transition of Diablo Canyon Power Plant, Unit 2, to the Regulatory Response Column, in a letter to Pacific Gas and Electric Company (PG&E) dated December 28, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16363A429).

Subsequently, in letters to PG&E dated September 27, 2017, and January 23, 2018 (ADAMS Accession Nos. ML17271A431 and ML18023A118, respectively), the NRC transmitted the results of the initial and follow-up supplemental inspections conducted in accordance with

Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 Inputs," in which the NRC reviewed the cause evaluations and corrective actions PG&E undertook to address the performance deficiencies associated with the aforementioned White finding. As the NRC described in our January 23, 2018, letter, the NRC concluded the station's actions met the objectives of Inspection Procedure 95001. As such, in accordance with the guidance in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," the White finding was closed, effective December 31, 2017. As a result, the NRC determined the performance at Diablo Canyon Power Plant, Unit 2, to be in the Licensee Response Column of the ROP Action Matrix as of January 1, 2018. Therefore, the NRC plans to also conduct ROP baseline inspections for your Unit 2 facility in 2018.

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

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 the 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 Mark Haire 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 and 50-323  
License Nos. DPR-80 and DPR-82

Enclosure:  
Inspection Plan

# IP 22 Inspection Activity Plan Report

## Diablo Canyon

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>INITIAL EXAM</b>						6
1, 2	01/21/2018	01/27/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>Inservice Inspection</b>						1
2	02/19/2018	03/02/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>RAD SAFETY RFO 1,2</b>						2
1, 2	02/26/2018	03/02/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/26/2018	03/02/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	02/26/2018	03/02/2018	IP 71151	000746	Performance Indicator Verification	
<b>BIENNIAL PI&amp;R INSPECTION</b>						4
1, 2	04/16/2018	04/20/2018	IP 71152B	000747	Problem Identification and Resolution	
1, 2	04/30/2018	05/04/2018	IP 71152B	000747	Problem Identification and Resolution	
<b>DC DESIGN BASES ASSURANCE PROGRAMS</b>						5
1, 2	06/11/2018	06/29/2018	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>SECURITY TEAM INSPECTION</b>						2
1, 2	06/25/2018	06/29/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	06/25/2018	06/29/2018	IP 71130.07	000739	Security Training	
<b>RAD SAFETY TEAM 5,6,7,8</b>						4
1, 2	07/09/2018	07/13/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1, 2	07/09/2018	07/13/2018	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	07/09/2018	07/13/2018	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	07/09/2018	07/13/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>Target Set Inspection</b>						2
1, 2	10/01/2018	11/02/2018	IP 71130.14	000743	Review of Power Reactor Target Sets	
<b>TRIENNIAL FIRE PROTECTION INSPECTION</b>						6
1, 2	10/15/2018	10/19/2018	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1, 2	10/29/2018	11/02/2018	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	

This report does not include INPO and OUTAGE activities.

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

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<b>EP EXERCISE INSPECTION</b>						4
1, 2	10/22/2018	10/26/2018	IP 71114.01	000716	Exercise Evaluation	
1, 2	10/22/2018	10/26/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	10/22/2018	10/26/2018	IP 71151	001397	Performance Indicator Verification	
<b>SECURITY SOLO INSPECTION</b>						1
1, 2	11/05/2018	11/09/2018	IP 71130.02	000734	Access Control	
1, 2	11/05/2018	11/09/2018	IP 71151	001338	Performance Indicator Verification	
<b>INITIAL EXAM</b>						4
1, 2	11/25/2018	12/01/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	01/13/2019	01/19/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>INSERVICE INSPECTION</b>						1
2	02/11/2019	02/22/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>RP INSPECTION</b>						2
1, 2	02/11/2019	02/15/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/11/2019	02/15/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/11/2019	02/15/2019	IP 71151	000746	Performance Indicator Verification	
<b>BRQ</b>						2
1, 2	04/07/2019	04/13/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
<b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>						7
1, 2	04/08/2019	04/12/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	04/29/2019	05/03/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>DIABLO CANYON HEAT SINK INSPECTION</b>						2
1, 2	04/22/2019	04/26/2019	IP 71111.07A	000699	Heat Sink Performance - Annual	
<b>DIABLO CANYON DBA TEAM INSPECTION</b>						6
1, 2	06/10/2019	06/28/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>RP INSPECTION</b>						2
1, 2	07/22/2019	07/26/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	

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01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RP INSPECTION</b>						2
1, 2	07/22/2019	07/26/2019	IP 71124.04	000729	Occupational Dose Assessment	
<b>SECURITY SOLO INSPECTION</b>						1
1, 2	08/19/2019	08/23/2019	IP 71130.02	000734	Access Control	
1, 2	08/19/2019	08/23/2019	IP 71151	001338	Performance Indicator Verification	
<b>TI 2515/194</b>						2
1, 2	08/26/2019	08/30/2019	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
<b>INSERVICE INSPECTION</b>						1
1	10/07/2019	10/18/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>EP PROGRAM INSPECTION</b>						1
1, 2	10/21/2019	10/25/2019	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	10/21/2019	10/25/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	10/21/2019	10/25/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	10/21/2019	10/25/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	10/21/2019	10/25/2019	IP 71151	001397	Performance Indicator Verification	

ANNUAL ASSESSMENT LETTER FOR DIABLO CANYON POWER PLANT, UNITS 1 AND 2  
(REPORT 05000275/2017006 AND 05000323/2017006) DATED MARCH 1, 2018

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