



**Pacific Gas and  
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PG&E Letter DCL-15-098

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

10 CFR 50.4

Docket No. 50-275, OL-DPR-80  
Docket No. 50-323, OL-DPR-82  
Diablo Canyon Units 1 and 2

Pacific Gas and Electric Company's Fifth Six-Month Status Report in Response to  
March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable  
Spent Fuel Pool Instrumentation (Order Number EA-12-051)

References:

1. NRC Order Number EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012
2. PG&E Letter DCL-13-011, "Pacific Gas and Electric Company's Overall Integrated Plan in Response to March 12, 2012, Commission Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 27, 2013
3. NRC Letter, "Nuclear Regulatory Commission Audits of Licensee Responses to Reliable Spent Fuel Pool Instrumentation Order EA-12-051," dated March 26, 2014

Dear Commissioners and Staff:

On March 12, 2012, the Nuclear Regulatory Commission issued Reference 1 to Pacific Gas and Electric Company (PG&E) directing PG&E to have a reliable indication of the water level in Diablo Canyon Power Plant's spent fuel pools. Specific requirements are outlined in Reference 1, Attachment 2.

Pursuant to Reference 1, Section IV, Condition C, PG&E submitted its overall integrated plan (OIP) for reliable SFP instrumentation in Reference 2.

Pursuant to Reference 1, Section IV, Condition C.2, the enclosure to this letter provides PG&E's fifth six-month status report of its OIP.

PG&E makes no regulatory commitments (as defined by NEI 99-04) in this letter. This letter includes no revisions to existing regulatory commitments.



If you have any questions, or require additional information, please contact Mr. Scott Maze at (805) 781-9791.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on August 26, 2015.

Sincerely,

A handwritten signature in black ink that reads 'Barry Allen'.

Barry Allen  
*Vice President, Nuclear Services*

c5c3/SAPN 50465912-12

Enclosure

cc: Diablo Distribution  
cc:/enc: Marc L. Dapas, NRC Region IV Administrator  
William M. Dean, NRC/NRR Director  
Thomas R. Hipschman, NRC, Senior Resident Inspector  
Siva P. Lingam, NRR Project Manager

**Pacific Gas and Electric Company's Fifth Six-Month Status Report  
for the Implementation of Order EA-12-051**

**1 Introduction**

Pacific Gas and Electric Company (PG&E) developed an overall integrated plan (OIP) (Reference 1 [refer to Section 9 of this enclosure for a list of references]), to achieve compliance with the requirements described in NRC Order EA-12-051 (Reference 2), Attachment 2. This enclosure provides the fifth update of milestone accomplishments since submittal of Reference 1, including any changes to the compliance method, schedule, or need for relief and the basis, if any. This enclosure also provides an update to the status of responses to requests for additional information (RAIs) provided in Reference 3 and PG&E's responses to Reference 4.

**2 Milestone Accomplishments**

The development of the Unit 1 and Unit 2 design and the receipt of the Unit 1 and Unit 2 instruments have been completed.

The completion of the Unit 1 and Unit 2 instrumentation procedures and training has been started and will be completed by the order implementation date.

**3 Milestone Schedule Status**

The following table provides an update to the milestone schedule. It provides the activity status of each item, and whether the expected completion date has changed. The dates are subject to change as design and implementation details are developed.

No target completion dates for Unit 1 and Unit 2 instrumentation system have been changed since the previous update.

<b>Milestone</b>	<b>Original Target Completion Date</b>	<b>Activity Status</b>	<b>Target Completion Date Changes</b>
Submit 60-day progress report	10/2012	Complete	
Submit overall integrated plan	2/2013	Complete	
Submit six-month updates			
Update 1	8/2013	Complete	
Update 2	2/2014	Complete	
Update 3	8/2014	Complete	
Update 4	2/2015	Complete	
Update 5	8/2015	Complete	
Update 6	2/2016	Not started	



<b>Milestone</b>	<b>Original Target Completion Date</b>	<b>Activity Status</b>	<b>Target Completion Date Changes</b>
Update 7	8/2016	Not started	
July 3, 2013 Request for Additional Information			
Submit response	7/22/2013	Complete	
Commence Unit 1 engineering and design	3/31/13	Complete	
Commence Unit 2 engineering and design	3/31/13	Complete	
Develop Unit 1 design	3/31/14	Complete	3/31/15
Develop Unit 2 design	3/31/14	Complete	3/31/15
Receipt of Unit 1 spent fuel pool (SFP) instruments	12/31/14	Complete	6/30/15
Receipt of Unit 2 SFP instruments	12/31/14	Complete	6/30/15
Complete Unit 1 SFP instrumentation procedures and training	10/29/15	Started	
Complete Unit 2 SFP instrumentation procedures and training	5/31/16	Started	
Unit 1 SFP instruments operational	10/29/15	Not started	
Unit 1 SFP instruments operational	5/31/16	Not started	

#### **4 Changes to Compliance Method**

None

#### **5 Need for Relief and Basis for the Relief**

PG&E expects to comply with the implementation date in the Order. No relief is being requested at this time.

#### **6 Open Items from Overall Integrated Plan**

None

## **7 Open Items and Responses to Requests for Additional Information**

PG&E submitted PG&E Letter DCL-13-073 (Reference 3) in response to an NRC RAI (Reference 6). In its response, PG&E committed to provide a status update of the information necessary to complete its response to the RAIs.

The NRC's Interim Staff Evaluation (ISE) (Reference 4) requested PG&E to provide responses to RAIs in the six-month status updates as they become available, but no later than April 30, 2015.

Finally, an NRC Letter (Reference 9) announced the NRC's transition to an audit based review process of utility responses to Order EA-12-051. In addition to announcing the transition to an audit based review process, the audit plan also notified each licensee participating in the audit not to formally submit their RAI responses on the docket but instead, put their responses and any other supporting information on their ePortals by the date identified in their ISE to support the Staff's review process.

PG&E provided a status of the remaining Open Items and responses to RAIs, described in Reference 8, on April 30, 2015 by uploading documents to the ePortal.

## **8 Potential Safety Evaluation Report Impacts**

There are no potential impacts to the Draft Safety Evaluation Report identified at this time.

## **9 References**

The following references support the updates to the OIP described in this document.

1. PG&E Letter DCL-13-011, "Pacific Gas and Electric Company's Overall Integrated Plan in Response to March 12, 2012, Commission Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated February 27, 2013
2. NRC Order Number EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012
3. PG&E Letter DCL-13-073, "Response to Request for Additional Information Regarding Overall Integrated Plan in Response to March 12, 2012, Commission Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated July 18, 2013
4. NRC Letter, "Diablo Canyon Power Plant, Unit Nos. 1 and 2 – Interim Staff Evaluation and Request for Additional Information Regarding the Overall Integrated Plan for Implementation of Order EA-12-051, Reliable Spent Fuel



Pool Instrumentation (TAC Nos. MF0963 and MF0964),” dated November 25, 2013

5. PG&E Letter DCL-13-080, “Pacific Gas and Electric Company’s First Six-Month Status Report in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051),” dated August 22, 2013
6. NRC Letter, “Diablo Canyon Power Plant, Unit Nos. 1 and 2 – Request for Additional Information Regarding Overall Integrated Plan for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC Nos. MF0963 and MF0964),” dated July 3, 2013
7. PG&E Letter DCL-13-007, “Pacific Gas and Electric Company’s Overall Integrated Plan in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events (Order Number EA-12-049),” dated February 27, 2013
8. PG&E Letter DCL-14-015, “Pacific Gas and Electric Company’s Second Six-Month Status Report in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051),” dated February 26, 2014
9. NRC Letter, “Nuclear Regulatory Commission Audits of Licensee Responses to Reliable Spent Fuel Pool Instrumentation Order EA-12-051,” dated March 26, 2014.
10. PG&E Letter DCL-14-077, “Pacific Gas and Electric Company’s Third Six-Month Status Report in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051),” dated August 21, 2014
11. PG&E Letter DCL-15-028, “Pacific Gas and Electric Company’s Fourth Six-Month Status Report in Response to March 12, 2012, Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051),” dated February 23, 2015