



**Pacific Gas and
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PG&E Letter DCL-19-049

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

10 CFR 50.4

Docket No. 50-275, OL-DPR-80
Diablo Canyon Unit 1
Owner's Activity Report for Unit 1 Twenty-first Refueling Outage

In accordance with American Society of Mechanical Engineers (ASME) Code Case N-532-5, enclosed is the Owner's Activity Report for inservice inspection (ISI) activities performed at Diablo Canyon Power Plant through the completion of the Unit 1 Twenty-first Refueling Outage (1R21).

Code Case N-532-5 was used as an alternative to the requirements of ASME Section XI, Article IWA-6000, as listed in Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1," Revision 18, and approved in accordance with 10 CFR 50.55a(b)(5).

There are no new or revised regulatory commitments (as defined by NEI 99-04) in this submittal.

If you have any questions regarding the information enclosed, or other ISI program activities, please contact Mr. Ken Bych, Manager, Technical Support Engineering, at (805) 545-4241.

Sincerely,

Adon Peckler
Paula Gerfen

dqmg/6192/50942981-2

Enclosure

cc/enc: Scott A. Morris, NRC Region IV Administrator
Christopher W. Newport, NRC Senior Resident Inspector
Balwant K. Singal, NRR Senior Project Manager
State of California, Pressure Vessel Unit

Pacific Gas and Electric Company

Diablo Canyon Power Plant

Owner's Activity Report for Unit 1 Twenty-first Refueling Outage

DIABLO CANYON POWER PLANT

UNIT 1

REFUELING OUTAGE: 1R21

Operating License No. DPR-80

USNRC Docket No. 50-275

OWNER'S ACTIVITY REPORT

Rev. 0

Contents:

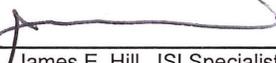
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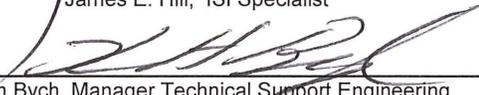
OAR-1 Report Number: DCP-1R21:

Table 1: Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service.

Table 2: Abstract of Repair/Replacement Activities Required for Continued Service.

Prepared By:  Date 5/15/19
Thomas L. Alcott, ISI Specialist

Reviewed By:  Date 5/15/19
James E. Hill, ISI Specialist

Approved By:  Date 5-15-19
Ken Bych, Manager Technical Support Engineering

Document Date: May 15, 2019

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INTRODUCTION

Inservice inspection (ISI) of scheduled ASME Section XI components and their supports at Pacific Gas and Electric Company's Diablo Canyon Power Plant (DCPP) was completed during the Unit 1 twenty-first refueling outage (1R21) from February 2019 through March 2019. 1R21 was the second outage in the first period within the fourth 10-year ISI interval.

This Owner's Activity Report, OAR-1, complies with the provisions of Code Case N-532-5 as approved by Regulatory Guide 1.147, Revision 18.

The OAR-1 Report covers any mid cycle work completed after July 19, 2017, and any applicable 1R21 work completed prior to and including April 18, 2019.

FORM OAR-1 OWNERS ACTIVITY REPORT -- DCP-1R21

Report Number DCPP-1R21

Plant Diablo Canyon Nuclear Power Plant, P.O. Box 56, Avila Beach, California 93424

Unit No. 1 Commercial service date May 7, 1985 Refueling outage no. 1R21

Current inspection interval IWB / IWC / IWD / IWF - 4th IWE / IWL - 3rd
(1st, 2nd, 3rd, 4th, other)

Current inspection period IWB / IWC / IWD / IWF - 1st IWE / IWL - 1st
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans IWB/C/D/F, 2007 Ed / 2008 Add
IWE/IWL, 2007 Ed / 2008 Add

Date and revision of inspection plans IWB / IWC / IWD / IWF -- 4/18/2017 Rev. 0 IWE / IWL -- 4/4/19 Rev. 0

Edition and addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans No Difference

Code Cases used: N-532-5, N-722-1, N-740-2, N-770-2
(if applicable)

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 1R21 (refueling outage no) conform to the requirements of Section XI.

Signed [Signature] / Manager, Technical Support Engineering Date 5-15-19
Owner or Owner's designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commission NB-15083, CA 2184 AI / IS / I-N-R
Inspector's Signature National Board, State, Province, and Endorsements

Date 5/15/19

**TABLE 1
ITEMS WITH FLAWS OR REVELANT CONDITIONS THAT REQUIRED
EVALUATION FOR CONTINUED SERVICE**

Examination Category and Item Number	Item Description	Evaluation Description
<p align="center">CAT R-A ITEM R1.11</p>	<p align="center">Line-1-109-14SPL Class-1 Weld, WIB-228. Rejectable UT indication. SAPN 50915871</p>	<p>Accepted for continued use with: 1) 1st successive UT exam of flaw identified in 1R20. Results: No flaw growth.</p> <p>2) Application of Structural Weld Overlay (SWOL) during 1R21 (Order/Op 60109329-0010).</p> <p>Used Code Case N-740-2 per alternative request, REP-RHR-SWOL approved January 2, 2018 (ML17338A 131)</p>

**TABLE 2
ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE**

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1	Line 1-109-14 Weld, WIB-228	Application of Structural Weld Overlay (SWOL) 50970594	3/21/2019	60109329-10
3	CCWHX 1-1	Installed 6 plugs by welding (Eddy Current evaluations)	3/12/2019	64137645-600
3	CCWHX 1-2	Installed 6 plugs by welding (Eddy Current evaluations)	2/26/2019	64220070-200