



**Pacific Gas and
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PG&E Letter DCL-14-053

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

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

In accordance with ASME Code Case N-532-4, 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 Eighteenth Refueling Outage.

This code case is used as an alternative to the requirements of ASME Section XI, Article IWA-6000 as approved by Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1," Revision 16.

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

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,

James M. Welsch

J813/4486/64069114

Enclosure

cc/encl: Peter J. Bamford, NRR Project Manager
Marc L. Dapas, NRC Region IV Administrator
Thomas R. Hipschman, NRC Senior Resident Inspector
State of California, Pressure Vessel Unit

Enclosure
PG&E Letter DCL-14-053

Pacific Gas and Electric Company

Diablo Canyon Power Plant

Owner's Activity Report for Unit 1 Eighteenth Refueling Outage

DIABLO CANYON POWER PLANT

UNIT 1

REFUELING OUTAGE: 1R18

Operating License No. DPR-80

USNRC Docket No. 50-275

OWNER'S ACTIVITY REPORT

Rev. 0

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Prepared By:  Date 6/5/14
Thomas L. Alcott, ISI Specialist

Reviewed By: Michael Leser for James Hill Date 6/5/14
James E. Hill, Lead ISI Specialist

Approved By: David A. Gonzalez For Ken Bych Date 6/5/14
Ken Bych, Manager Technical Support Engineering

Document Date: 6/5/2014

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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) Unit 1 was completed during the eighteenth refueling outage (1R18) from 2/2014 through 3/2014. 1R18 was the first outage in the third period within the third 10-year ISI interval.

This Owner's Activity Report, OAR-1, complies with the provisions of Code Case N-532-4 as approved by Regulatory Guide 1.147, Revision 16.

The OAR-1 Report covers applicable 1R18 work completed prior to and including April 13, 2014 and any mid cycle and 1R17 work completed after June 31, 2012.

The third ten-year interval reactor pressure vessel (RPV) volumetric examination was initiated in 1R18. A portion of the examinations were performed, with some examinations remaining to be done in the 1R19 refueling outage, the final refueling outage in the interval. As these are examinations in progress, the completion of the RPV volumetric examinations will be deferred and performed in support of 1R19. The vendor did not report any indications that exceeded the applicable ASME Section XI acceptance tables; the final report for the exams performed in 1R18 is in process of preparation at this time.

Visual examinations per Code Case N-648-1 (as conditioned by Regulator Guide 1.147) identified a small area of clad spalling on the loop 3 cold leg nozzle. This condition was entered into the plant corrective action program as notification number 50611088 and evaluated as acceptable.

FORM OAR-1 OWNERS ACTIVITY REPORT -- DCP-1R18

Report Number DCPP-1R18

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. 1R18

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

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

Edition and Addenda of Section XI applicable to the inspection plans 2001 Edition thru 2003 Addenda

Date and revision of inspection plans IWB / IWC / IWD / IWF -- 12/28/11 Rev. 1 IWE / IWL -- 11/4/10 Rev. 0

Edition and addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans Same

Code Cases used: N-532-4, N-648-1, N-706-1, N-722-1, N-770-1
(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 1R18 (refueling outage no) conform to the requirements of Section XI.

Signed Dawn A Gonzalez / ISI Supervisor Date 6/05/14
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 the State or Province of California and employed by HSB Global Standards of Hartford CT 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.

WAZCNEY Commissions NB-13402, A N I CA 2093
Inspector's Signature National Board, State, Province, and Endorsements

Date 6/5/14

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

Examination Category and Item Number	Item Description	Evaluation Description
B-D / B3.20 (Code Case N-648-1)	Loop 3 Cold Leg Nozzle Inner Radius Cladding Defect	VT-1 as allowed by N-648-1, revealed a cladding anomaly that was accepted for continued service by evaluation via SAP notification: 50611088, task #4.
C-H / C7.10	VT-2 discovery of 3/4" branch socket weld thru wall steam leak (at MS-1-908)	SAPN 50619608 On-line Leak Clamp installation as per Sect XI Appendix IX and NRC approval. Requires daily monitoring during Operator rounds as incorporated into STP I-1B and permanent fix during the next refueling outage.

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

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
2	3/4" branch socket weld thru wall steam leak (at MS-1-908)	On-line Leak Clamp installation as per Sect XI Appendix IX and NRC approval.	4/5/2014	60067488-0010
2	3/4" branch socket weld thru wall RCS leak (at RHR-RV-8708)	Ramp to Mode-3 for Piping replacement by welding.	6/27/2013	60059040-0010
2	Pipe support, 58N-5A	Mechanical removal of rejectable ISI MT indication	3/1/2014	60065878-0010
1	Snubber 12-94SL	Functional Test failure. Replace with Anvil snubber	2/27/2014	60057061-0200
3	Snubber 14-73ASL	Functional Test failure. Replace with Anvil snubber	2/19/2014	60057062-0200
1	Steam Gen 1-2 Hot Leg Primary Manway leakage found with VT-2	Replace insert and All manway fasteners	2/27/2014	60065666-0080
3	Pipe support, 18-19R	18-19R and CCW HX 1-2, Seismically Induced Systems Interaction (SISI) issue found by NRC Resident. Modify 18-19R.	2/28/2014	60066240-0010
3	Pipe support, 75-1V	Replaced spring cans and assoc all thread and clevis attachments (like for like) Due to corrosion.	2/9/2013	60040125-0010