

January 27, 2021

PG&E Letter DCL-21-008

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 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-Second 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 Unit 1 through the completion of the Unit 1 Twenty-Second Refueling Outage.

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 19, 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. Shannon Conner, Manager, Program Engineering, at (805) 545-6171.

Sincerely,



Paula Gerfen

dqmg/50942981-4
Enclosure

cc/enc: Donald R. Krause, NRC Senior Resident Inspector
Samson S. Lee, NRC Project Manager
Scott A. Morris, NRC Region IV Administrator
Diablo Canyon Distribution

Diablo Canyon Power Plant

Unit 1

Refueling Outage: 1R22

Operating License No. DPR-80

USNRC Docket No. 50-275

Owner's Activity Report, Rev. 0

DIABLO CANYON POWER PLANT

UNIT 1

REFUELING OUTAGE: 1R22

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-1R22:

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

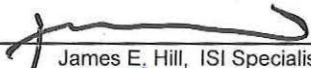
Table 2: Abstract of Repair/Replacement Activities Required for Continued Service.

Prepared By: _____


Terrance G. Carraher, ISI Program Owner


Date 12-28-2020

Reviewed By: _____


James E. Hill, ISI Specialist

Date 12/30/2020

Approved By: _____


Shannon Conner, Program Engineering Manager

Date 1-19-2021

Document Date: December 21, 2020

Pacific Gas and Electric Company
77 Beale Street, San Francisco, CA 94106

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

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 twenty-second refueling outage (1R22) from October 2020 through November 2020. 1R22 was the first outage in the second 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 19.

The OAR-1 Report covers any work closed-out after April 18, 2019 and any applicable 1R22 work closed-out prior to and including December 2, 2020.

FORM OAR-1 OWNERS ACTIVITY REPORT -- DCP-1R22

Report Number DCPP-1R22

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. 1R22

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

Current inspection period IWB / IWC / IWD / IWF - 2nd 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 - 9/30/2020 Rev. 1 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-706-1, N-729-6, N-740-2, N-770-5
(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 1R22 conform to the requirements of Section XI. (refueling outage no)

Signed [Signature] / Program Engineering Manager Date 1-19-2021
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 1/20/2021

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

Examination Category and Item Number	Item Description	Evaluation Description
RI-ISI R1.11	Line S6-15-4 SPL Class 1 Weld, WIB-378	Successive exam No change in flaw size
RI-ISI R1.11	Line S1-985-12 IIP Class 2 Weld, WIC-95	Flaw previously detected and dispositioned. No change in flaw size

**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	Line-570	Replaced by welding: Pipe-21,-22 & Elbow-16	10/22/2020	60130601-0030
2	Support 3-40R	Welding to restore thickness to pipe clamp	10/24/2020	60130601-0070
2	Support 3-41R	Fabricated replacement support	10/24/2020	60130601-0075
2	Line-569	Welding to restore pipe-9 wall thickness	10/22/2020	60131812-0030
2	Line-569	Welding to restore pipe-10 wall thickness	10/22/2020	60131813-0030


FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60088924-0010
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

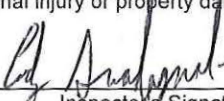
Code Cases used for repair/replacement activities: N-532-5
(If applicable, including cases modified by Case N-532 and later revisions)

Signed  Date 1-19-2021
Owner or Owner's designee

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
Repair/Replacement Plan number 60088924-0010, and state that, to the best of my knowledge and belief, the Owner has performed all
activities described in the Repair/Replacement Plan in accordance with the requirements of Section XI necessary to place the item in service.

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

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

Date 1/20/2021


FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60120035-0060
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

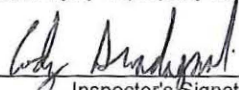
Code Cases used for repair/replacement activities: N-532-5
(If applicable, including cases modified by Case N-532 and later revisions)

Signed  Date 1-19-2021
Owner or Owner's designee

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
Repair/Replacement Plan number 60120035-0060, and state that, to the best of my knowledge and belief, the Owner has performed all activities
described in the Repair/Replacement Plan in accordance with the requirements of Section XI necessary to place the item in service.

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

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

Date 1/20/2021


FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60127028-0030
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

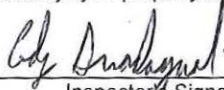
Code Cases used for repair/replacement activities: N-532-5
(If applicable, including cases modified by Case N-532 and later revisions)

Signed  Date 1-19-2021
Owner or Owner's designee

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
Repair/Replacement Plan number 60127028-0030, and state that, to the best of my knowledge and belief, the Owner has performed all activities
described in the Repair/Replacement Plan in accordance with the requirements of Section XI necessary to place the item in service.

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

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

Date 1/20/2021

FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60130601-0030
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda


Code Cases used for repair/replacement activities: N-532-5
(If applicable, including cases modified by Case N-532 and later revisions)

Signed  Date 1-19-2021
Owner or Owner's designee

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
Repair/Replacement Plan number 60130601-0030, and state that, to the best of my knowledge and belief, the Owner has performed all activities
described in the Repair/Replacement Plan in accordance with the requirements of Section XI necessary to place the item in service.

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 Commissions NB-15083, CA 2184 AI / IS / I-N-R
Inspector's signature National Board, State, Province, and Endorsements

Date 1/20/2021


FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60130601-0070
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

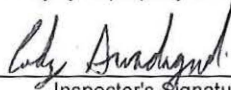
Code Cases used for repair/replacement activities: N-532-5
(If applicable, including cases modified by Case N-532 and later revisions)

Signed  Date 1-19-2021
Owner or Owner's designee

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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
Repair/Replacement Plan number 60130601-0070, and state that, to the best of my knowledge and belief, the Owner has performed all activities
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Repair/Replacement Plan. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any
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Date 1/20/2021


FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

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Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

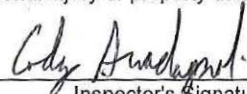
Code Cases used for repair/replacement activities: N-532-5
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Repair/Replacement Plan number 60130601-0075, and state that, to the best of my knowledge and belief, the Owner has performed all activities
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Inspector's Signature National Board, State, Province, and Endorsements

Date 1/20/2021

FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60131812-0030
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

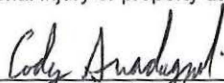
Code Cases used for repair/replacement activities: N-532-5
(If applicable, including cases modified by Case N-532 and later revisions)

Signed  Date 1-19-2021
Owner or Owner's designee

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
Repair/Replacement Plan number 60131812-0030, and state that, to the best of my knowledge and belief, the Owner has performed all activities
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Repair/Replacement Plan. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any
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Date 1/20/2021


FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

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(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60131813-0030
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

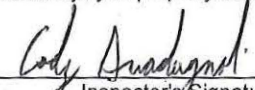
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Repair/Replacement Plan number 60131813-0030, and state that, to the best of my knowledge and belief, the Owner has performed all activities
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Repair/Replacement Plan. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any
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Inspector's Signature National Board, State, Province, and Endorsements

Date 1/20/2021


FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60131865-0010
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

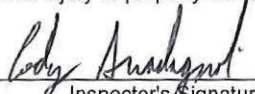
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Repair/Replacement Plan number 60131865-0010, and state that, to the best of my knowledge and belief, the Owner has performed all activities
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Date 1/20/2021

FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 60131923-0010
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

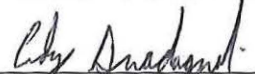
Code Cases used for repair/replacement activities: N-532-5
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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the items described in
Repair/Replacement Plan number 60131923-0010, and state that, to the best of my knowledge and belief, the Owner has performed all activities
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Inspector's signature National Board, State, Province, and Endorsements

Date 1/20/2021


FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 64003460-0010
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

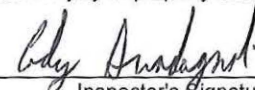
Code Cases used for repair/replacement activities: N-532-5
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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the items described in
Repair/Replacement Plan number 64003460-0010, and state that, to the best of my knowledge and belief, the Owner has performed all activities
described in the Repair/Replacement Plan in accordance with the requirements of Section XI necessary to place the item in service.

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Repair/Replacement Plan. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any
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Inspector's Signature National Board, State, Province, and Endorsements

Date 1/20/2021

FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 64003461-0010
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

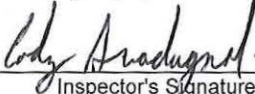
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I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the items described in
Repair/Replacement Plan number 64003461-0010, and state that, to the best of my knowledge and belief, the Owner has performed all activities
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conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda


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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
Repair/Replacement Plan number 64003462-0010, and state that, to the best of my knowledge and belief, the Owner has performed all activities
described in the Repair/Replacement Plan in accordance with the requirements of Section XI necessary to place the item in service.

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

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

Date 1/20/2021

FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 64154873-0350
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

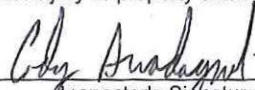
Code Cases used for repair/replacement activities: N-532-5
(If applicable, including cases modified by Case N-532 and later revisions)

Signed  Date 1-19-2021
Owner or Owner's designee

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 Repair/Replacement Plan number 64154873-0350, and state that, to the best of my knowledge and belief, the Owner has performed all activities described in the Repair/Replacement Plan in accordance with the requirements of Section XI necessary to place the item in service.

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

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

Date 1/20/2021

FORM NIS-2A REPAIR/REPLACEMENT CERTIFICATION RECORD

OWNER'S CERTIFICATE OF CONFORMANCE

I certify that the Post 1R21 thru 1R22
(04/19/19 thru 12/02/20) activities represented by Repair/Replacement Plan number 64155391-0350
conform to the requirements of Section XI necessary to place the item in service.

Edition and Addenda of Section XI used: 2007 Edition through 2008 Addenda

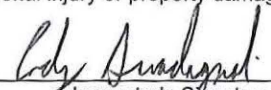
Code Cases used for repair/replacement activities: N-532-5
(If applicable, including cases modified by Case N-532 and later revisions)

Signed  Date 7-19-2021
Owner or Owner's designee

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
Repair/Replacement Plan number 64155391-0350, and state that, to the best of my knowledge and belief, the Owner has performed all activities
described in the Repair/Replacement Plan in accordance with the requirements of Section XI necessary to place the item in service.

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

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

Date 1/20/2021