



LR-N20-0011

ASME Code Case N-532-5

FEB 03 2020

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

Hope Creek Generating Station
Renewed Facility Operating License No. NPF-57
Docket No. 50-354

Subject: In-Service Inspection Activities – 90 Day Report Twenty Second
Refueling Outage

This letter submits the Owner's Activity Report (Attachment 1) for In-Service Inspection (ISI) activities conducted at the Hope Creek Generating Station during the twenty-second refueling outage. This report is submitted in accordance with Code Case N-532-5, "Repair/Replacement Activity Documentation Requirements and In-Service Summary Report Preparation and Submission Section XI, Division 1," and within its ninety-day reporting requirement.

There are no regulatory commitments in this correspondence.

Sincerely,

A handwritten signature in black ink, appearing to read "S. R. Poorman", written over a large, stylized initial "P".

Steven R. Poorman
Plant Manager - Hope Creek

Attachment 1: Form OAR-1, Owner's Activity Report

LR-N20-0011

Document Control Desk

Page 2

cc: Mr. David Lew, Regional Administrator – USNRC Region I
Mr. James Kim, USNRC Project Manager – Hope Creek
Mr. Adam Ziedonis, USNRC Senior Resident Inspector – Hope Creek
Mr. Patrick Mulligan, Manager IV, NJ Bureau of Nuclear Engineering
Mr. Lee Marabella, Corporate Commitment Coordinator

LR-N20-0011

Document Control Desk

Page 3

(The bcc list should not be submitted as part of the DCD submittal – remove this page prior to submittal and make the bcc distribution accordingly)

Bcc: President/Chief Nuclear Officer
Site Vice President – Hope Creek
Plant Manager – Hope Creek
Sr. Director – Hope Creek Operations
Director – Site Regulatory Compliance
Manager – Nuclear Shift Operations
Records Management

Attachment 1

Form OAR-1, Owner's Activity Report
(2 pages)

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number H1R22

Plant Hope Creek Generating Station

Unit No. 1 Commercial service date December 20, 1986 Refueling outage no. 22
(if applicable)

Current inspection interval ISI - Fourth (4th), CISI - Third (3rd)
(1st, 2nd, 3rd, 4th, other)

Current inspection period ISI - First (1st), CISI - First (1st)
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2007 Edition, 2008 Addenda

Date and revision of inspection plans Revision 1, July - 2018

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans Same as ISI Plans

Code Cases used for inspection and evaluation: N-460, N-532-5, N-561-2, N-613-2, N-648-1, N-716-1
(if applicable, including cases modified by Case N-532 and later revisions)

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 H1R22
(refueling outage number)

Conform to the requirements of Section XI.

Signed Donnamarie Bush
Owner or Owner's Designee, Title

Donnamarie Bush / ISI Program Owner Date 1/16/2020

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 Hartford Steam Boiler Inspection and Insurance Company of Hartford, 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.

Christopher M Miskin
Inspector's Signature

NB 15537, A. N. I. R
(National Board Number and Endorsement)

Date 1/21/2020

FORM OAR-1 OWNER'S ACTIVITY REPORT

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

Exam Category	Item Number	Item Description	Evaluation Description
R-A	R1.14	Reactor Vessel Recirculation Inlet Nozzle N2G 12" Safe End to Nozzle Weld	Reactor Vessel Recirculation Inlet Nozzle N2G (RPV-N2GSE) UT examination revealed embedded flaw that exceeds IWB-3500. Evaluation was performed (order number 70209902) in accordance with IWB-3600 and found acceptable for continued use. Examination results were compared to results from previous outages (H1R15, H1R18, and H1R20). Review concluded no change or growth in identified flaw.

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

Code Class	Item Description	Description of Work	Date Complete	Repair/Replacement Plan Number
3	Leak was identified on 3/8" stainless steel tubing leading to Safety Auxiliary Cooling System Instrument Isolation valve PEGV-9889	Replaced 3/8" stainless steel tubing and fittings.	09/10/2018	60135958
Non-Class	Leak was identified on 4" piping connected between the 'B' and 'C' Reactor Water Cleanup Regenerative Heat Exchangers.	Weld overlay was performed on 4" piping between 'B' and 'C' heat exchangers.	01/16/2020	60141422
1	The 'H' Main Steam Safety Relief Valve (SRV) was identified to be leaking into the torus proper.	'H' SRV main and pilot valves were replaced with spare main and pilot valves.	01/14/2020	60141727
3	Visual (VT) examinations were performed on the 'H' SRV t-quencher piping in the torus proper. Several indications that exceeded ASME Section XI acceptance criteria were identified.	12" piping with indications was removed and replaced with two (2) new spool pieces.	01/16/2020	60144641