



10 CFR 50.55a

LR-N08-0012

February 14, 2008

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-001

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

Subject: INSERVICE INSPECTION ACTIVITIES – 90 DAY REPORT
 FOURTEENTH REFUELING OUTAGE

This letter submits the ninety (90) day report for Inservice Inspection (ISI) activities conducted at the Hope Creek Generating Station during the fourteenth refueling outage. This report is submitted in accordance with 10 CFR 50.55a(g) and Section XI of the ASME Boiler and Pressure Vessel Code, 1998 Edition 2000 Addenda and 1998 Edition 1998 Addenda for IWE and Regulatory Guide 1.147 Acceptable Code Case Number N-532-1.

The enclosures to this letter are as follows:

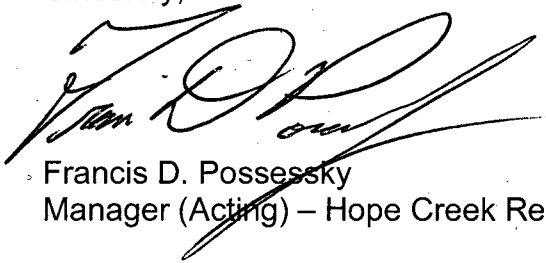
- Enclosure 1: Form OAR-1, Owners Activity Report
- Enclosure 2: Table 2 – Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service
- Enclosure 3: Table 3 – Abstract of Repairs, Replacements or Corrective Measures Required for Continued Service (for period May 7, 2006 to December 12, 2007)
- Enclosure 4: Table 1 - Examination Allocation Summary – Abstract of Examinations and Tests

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Should you have any questions regarding this request, please contact Francis D. Possessky at 856-339-1160.

Sincerely,

A handwritten signature in black ink, appearing to read "Francis D. Possessky", with a large, stylized flourish extending from the end of the signature.

Francis D. Possessky
Manager (Acting) – Hope Creek Regulatory Assurance

Enclosures (4)

C Mr. S. Collins, Administrator - Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

U. S. Nuclear Regulatory Commission
Mr. R. Ennis, Project Manager - Hope Creek
Mail Stop 08B3
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USNRC Senior Resident Inspector – Hope Creek (X24)

Mr. P. Mulligan, Manager IV
Bureau of Nuclear Engineering
PO Box 415
Trenton, New Jersey 08625

Mr. Milton Washington
Chief Inspector
NJ Department of Labor
Division of Public Safety, Occupational Safety and Health
Bureau of Boiler and Pressure Vessel Compliance
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101 South Broad Street
Trenton, NJ 08625-0392

ENCLOSURE 1
(Pages - 1)
FORM OAR-1
OWNERS ACTIVITY REPORT

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: HCRF#14Owner: Public Service Electric & Gas CompanyPlant: Hope Creek Nuclear Generating StationUnit No.: 1 Commercial Service Date: 12/20/86Refueling Outage No.: RF#14Current inspection interval: SecondCurrent inspection period: ThirdEdition and Addenda of Section XI applicable to the inspection plan: 1998 Edition 2000 Addenda and 1998 Edition 1998 Addenda For IWE.Date and revision of inspection plan: 11/97, Rev. 0 / Chg. 0

Edition and Addenda of Section XI applicable repairs and replacements, if different than the inspection plan:

Class 1, 2, & 3 – 1998 Edition, 2000 Addenda Class MC – 1992 / 92 Addenda
(Unless Specifically identified in the individual repair plan)

CERTIFICATE OF CONFORMANCE

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report conform to the requirements of Section XI.

Certificate of Authorization No.: N/AExpiration Date: N/ASigned: [Signature] H.C. Programs Manager

Owner or Owner's Designee, Title

Date 1/21/08

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 providence of New Jersey and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut have inspected the items described in this Owner's Activity Report, during the period 05/06/2006 to 12/12/2007, 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 examinations, tests, repairs, replacements, evaluations and corrective measures 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]
Inspector's Signature

Commissions

NB 9364 NJ 766 (NFI)
National Board, State, Province, and Endorsements
Date 1/29/08

ENCLOSURE 2
(Pages - 1)
TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS
THAT REQUIRED
EVALUATION FOR CONTINUED SERVICE

TABLE 2
ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT
REQUIRED EVALUATION FOR CONTINUED SERVICE

Examination Category	Item Number	Item Description	Flaw Characterization	Flaw or Relevant Condition Found: During Scheduled Section XI Examination or Test (Yes or No)
R-A	Sum# 100645	RPV1-N2ASE	One Circumferential Flaw Ultrasonic Examination Noted Rejectable Indications and a Weld Overlay was Performed	No (Augmented-emergent) PSEG Notification #. 20341672 & 20339389
A-E	Sum# 502340	Jet Pump 09 shroud side setscrew	Cracked Tack Welds. Setscrew shows no movement. Staked setscrew.	Yes PSEG Notification. 20342064
A-E	Sum# 500757	Jet Pump 16 Wedge Bearing Surface	Slight Wedge Wear and setscrew gap. Installed auxiliary wedge.	Yes PSEG Notification. 20341129 and 20341381
A-E	Sum# 502032	Core Shroud Weld H4	5 Indications, all less than 2 inches in length. Represents less than 10% of examined weld. Use-as-is disposition evaluation for 10 years.	Yes PSEG Notification. 20342263
A-E	Sum# 502034	Core Shroud Weld H5	1 Indication 4.3 inches in length. Represents less than 10% of examined weld. Use-as-is disposition evaluation for 10 years.	Yes PSEG Notification. 20342263

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ENCLOSURE 3

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TABLE 3

**ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE
(FOR PERIOD MAY 7, 2006 TO DECEMBER 12, 2007)**

HCRF#14**Table 3 ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE**

Hope Creek Generating Station
(For the period 05/07/2006 TO 12/12/2007)

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or relevant Condition Found During Scheduled Section XI Examination or Test (yes/no)	Date Completed	Repair/Replacement Plan Number
3	Replacement	Degraded Bolting	FSK-P-1-EA-672 H06, H07, replace	NO	10/05/2006	60059475 70053239
2	Replacement	1" piping thru wall leak	H0BC -P-BC-V9950 Replace by Welding	NO	11/09/2007	60073283 70076414
2	Replacement	Configuration discrepancy	Replaced Valve with blind flange	NO	01/08/2008	60069039 70067533
3	Abandon In Place	Leakage due to MIC	H1EA -10-T-544	NO	11/02/07	60068390 80088855
3	Replacement	Tubing Fitting leak	H0EA -P-EA-V9963 Replace adapter	NO	3/17/2007	60061485 70055012
3	Abandon In Place	Leakage due to MIC	H1EA -10-T-543	NO	10/25/2007	60068414 80088855
3	Replacement	Tubing Fitting leak	H0EG -P-EG-V9881	NO	2/06/2006	60060868 70053555
3	Repair	Corroded 1" Flange	H1EA -1C-F-509	NO	3/10/2006	60059694 70054800

HCRF#14**Table 3 (Cont.) ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES
REQUIRED FOR CONTINUED SERVICE**

Hope Creek Generating Station
For the period 05/07/2006 TO 12/12/2007)

Code Class	Repair, Replacement, or Corrective Measure	Item Description	Description of Work	Flaw or relevant Condition Found During Scheduled Section XI Examination or Test (yes/no)	Date Completed	Repair/Replacement Plan Number
3	Repair	Strainer Lid	H1EA -1A-F-509	NO	12/08/2006	60055899 80032450 70060750
3	Repair	Min Wall	H1EA -1-EA-019-S01 Weld repair	NO	12/04/2007	30119379 70075133
3	Replace	Leak	H0EA -P-EA-V9947	NO	4/22/2006	60062335 70055312
1	Repair	Rx Recirc Inlet N2A Nozzle	H1BB -10-S-201 Structural Overlay	YES	2/ /2008	70075632 60072513 80094209
1	Use As Is	Wrong Class Bolting Material	H1AB -1ABV-030	NO	07/06/2006	60055573 70056677

ENCLOSURE 4
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**Table 1 - Examination Allocation Summary –
Abstract of Examinations and Tests**

Examination Allocation Summary

During HC/RF-13, PSEG Nuclear implemented Risk Informed Inservice Inspection (RI-ISI) of Nuclear Class 1 and 2 Piping Welds, formerly known as ASME Section XI Exam Category B-F, B-J, and C-F-2. The bases of the Hope Creek RI-ISI Program are documented in the Hope Creek Nuclear Generating Station – Final Report – Risk Informed Inservice Inspection Application (VTD-326046). The ISI Department implemented Risk Inform during the Second Interval, Third Period, and Second Outage. See ISI examination summary table.

ISI implemented The IWE program in 2000 (RF#09) and a separate data base was created in 2004 (RF# 12) to clearly identify the inspection interval and to track examinations. See the IWE Examination summary for the 1st interval.

ALL EXAMS REQUIRED TO COMPLETE THE 2ND ISI INTERVAL AND THE 1ST CISI INTERVAL HAVE BEEN COMPLETED.

Description
ISI Examination Summary for 2 nd Interval 3 rd Period 1998 Code Edition 2000 Addenda
IWE Examination Summary 1 st Interval 1998 Code Edition 1998 Addenda.

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Hope Creek Nuclear Generating Station ISI Program Long Term Plan

Table 1 Inservice Inspection Examination Summary For The Second Interval

ASME 1998 Code Edition - 2000 Addenda

Table 1

Examination Category	Population	Total Required For Interval	PERIOD 1		PERIOD 2		PERIOD 3		Total Exam % Credited to Date for Interval	Remarks
			Total Exams Credited for This Period	Total Exam % Credited for This Period	Total Exams Credited for This Period	Total Exam % Credited for This Period	Total Exams Credited for This Period	Total Exam % Credited for This Period		
B-A	39	39	3	8%	3	8%	33	84%	100%	See Note #1
B-D	68	68	18	27%	11	16%	39	57%	100%	See Note #2
B-E	3	3	0	0%	0	0%	3	100%	100%	See Note #1
B-F	29	29	11	38%	5	17%	0	0%	56%	See Note #4
B-G-1	10	9	2	23%	0	0%	5	55%	77%	See Note #1
B-G-2	105	105	3	3%	11	10%	7	7%	20%	
B-J				%		%	0	0%	%	See Note #4
B-K	61	9	3	34%	4	44%	3	33%	111%	
B-L-2	2	2	0	0%	0	0%	1	50%	50%	See Note#3 & Note #5
B-M-2	68	68	2	3%	1	1%	2	3%	7%	See Note#3 & Note #5
B-N-1	7	7	7		0		0	0%	100%	
B-N-2	67	67	10	15%	5	7%	35	52%	75%	See Note #1
B-O	1	1	0	0%	0	0%	1	100%	100%	See Note #1
B-P				%	0	0%	0	0%	%	
C-A	10	10	1	10%	3	30%	0	0%	40%	See Note #5
C-B	8	8	1	13%	2	25%	1	13%	50%	See Note #5
C-C	92	11	3	27%	3	27%	4	36%	91%	See Note #5
C-F-2				%		%	0	0%	%	See Note #4
C-G	52	52	2	4%	3	5%	5	10%	19%	See Note #5
C-H	42	42	40	96%	0	0%	0	0%	96%	
C-H/D-B				%	0	0%	0	0%	%	
D-A	312	86	12	14%	15	17%	15	17%	42%	
D-B	39	39	39	100%	0	0%	0	0%	100%	
E-D	3	0		0		0		0	0	
F-A	2287	301	94	31%	105	35%	119	39%	105%	
R-A	2304	92	126	137%	108	117%	39	42%	296%	See Note #4

Notes

- 1) Deferral Permissible
B-A B-G-1
B-E B-L-1
B-N-2 B-O
B-M-1 B-N-3
- 2) Ref. Table IWB-2500-1, Exam Category B-D, Program (B) Note 2
- 3) To be examined only if disassembled for maintenance, repair or volumetric examination.
(Ref. Table IWB-2500-1, Category B-L-2 & B-M-2 Note 2)
- 4) Category R-A Risk Informed which replaces categories B-F, - B-J, & C-F-2 was implemented 2-3-1 (RFO-12)
Categories B-F, - B-J, & C-F-2 percentage of exam completions are for the 1st % 2nd periods only. Category R-A percentage of exam completions are for the 3rd period only.
- 5) For Multiple Pumps, Valves, and Vessels of Similar Design, service, and function only one of the multiple components shall be selected for examination.

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Hope Creek Nuclear Generating Station

ISI Program Long Term Plan

Table 1 IWE Examination Summary for the First Interval

ASME 1998 Code Edition 1998 Addenda

Table 1

Examination Category	Population	Total Required for Interval	PERIOD 1		PERIOD 2		PERIOD 3		Total Exam % Credited to Date for Interval	Remarks
			Total Exams Credited for This Period	Total Exam % Credited for This Period	Total Exams Credited for This Period	Total Exam % Credited for This Period	Total Exams Credited for This Period	Total Exam % Credited for This Period		
E-A	318	954	299	31%	263	27%	273	29%	87%	See Note #1
E-C	6	18	0	0%	6	33%	0	0%	33%	See Note #1

Notes

- 1) Inaccessible components will be examined when accessible.