



September 7, 2004

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

Point Beach Nuclear Plant, Unit 1
Docket 50-266
License No. DPR-24

Filing of Owner's Inservice Inspection Summary Report for
Point Beach Nuclear Plant Refueling Outage U1R28

Nuclear Management Company, LLC, (NMC) is submitting Inservice Inspection Summary Reports for inspections conducted prior to and during the Point Beach Nuclear Plant (PBNP) refueling outage U1R28 that concluded on June 8, 2004. The enclosed Class 1, 2, and 3 report is submitted pursuant to the requirements of subarticle IWA-6240 of the 1998 Edition with addenda through 2000 of Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code. The IWE Class MC and IWL Class CC reports are submitted pursuant to the requirements of subarticle IWA-6240 of the 1992 Edition with addenda through 1992 of ASME Section XI.

Enclosure 1 to this letter contains the summary report, which includes Form OAR-1, the Owner's Activity Report for Inservice Inspections, for the Class 1, 2, and 3 components and a separate Form OAR-1 for Class MC and CC components. The report includes the second outage of the first period of the fourth ten-year interval for Class 1, 2, and 3 systems, the first outage of the third period of the first ten-year interval for Class MC at PBNP Unit 1.

This letter contains no new commitments and no revisions to existing commitments.

Dennis L. Koehl
Site Vice-President, Point Beach Nuclear Plant
Nuclear Management Company, LLC

Enclosures (2)

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cc: Administrator, Region III, USNRC
Project Manager, Point Beach Nuclear Plant, USNRC
Resident Inspector, Point Beach Nuclear Plant, USNRC
PSCW
Mike Verhagen, State of Wisconsin

ENCLOSURE 1

**OAR-1, OWNER'S ACTIVITY REPORT FOR INSERVICE INSPECTION,
FOR CLASS 1, 2, AND 3 COMPONENTS**

5 pages follow

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number U1R28 Outage Class 1, 2, and 3 ISI Examination

Owner Nuclear Management Company, 700 First Street, Hudson, Wisconsin 54016
(Name and Address of Owner)

Plant Point Beach Nuclear Plant, 6590 Nuclear Road, Two Rivers, Wisconsin 54241
(Name and Address of Plant)

Unit No. 1 Commercial Service Date December 21, 1970 Refueling Outage No. U1R28
(If applicable)

Current Inspection Interval Fourth
(1st, 2nd, 3rd, 4th, other)

Current Inspection Period First
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plan 1998 Edition 2000 Addenda

Date and Revision of inspection plan July 1, 2004 / Revision 3

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

CERTIFICATE OF CONFORMANCE

I certify that the statements made in the 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/A Expiration Date N/A
(If applicable)

Signed *Russell H. Turner* Date 8/26/2004
Owner or Owner's Designee, Title ISI coordinator

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 Wisconsin and employed by Hartford Steam Boiler Global Services of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, during the period October 20, 2002 to June 8, 2004, 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 loss of any kind arising from the connected with this inspection.

[Signature] Commissions WI 247972
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-26-2004

Table 1
Abstract of Examinations and Tests

Examination Category	Total Examinations Required for the Interval	Total Examinations Credited for this Period	Total Examinations Credited (%) for the Period	Total Examinations Credited (%) to Date for the Interval	Remarks
B-A	8	0.5	6	6	Deferral permissible
B-B	7	2	29	29	
B-D	25	5	20	20	
B-F	---	---	---	---	Part of Risk-Informed ISI Program, see Examination Category R-A
B-G-1	6	2	33	33	
B-G-2	14	4	29	29	
B-J	---	---	---	---	Part of Risk-Informed ISI Program, see Examination Category R-A
B-K	7	1	14	14	
B-L-1	3	0	0	0	Deferred to the end of the interval
B-L-2	1	0 see remarks	0	0	Examined only if disassembled for maintenance, repair, or volumetric examination
B-M-1	1	0	0	0	Scheduled for the third interval
B-M-2	4	0 see remarks	0	0	Examined only if disassembled for maintenance, repair, or volumetric examination
B-N-1	3	1	33	33	Accessible portions of the vessel internal surface
B-N-2	4	0	0	0	Deferred to the end of the interval
B-N-3	1	0	0	0	Deferred to the end of the interval
B-O	2	0	0	0	Deferred to the end of the interval
B-P	7	2	100	29	Pressure tests. See Note 2.
B-Q	---	---	---	---	Steam Generator tubing is examined in accordance with plant Technical Specifications
C-A	9	2	22	22	
C-B	18	6	33	33	
C-C	12	2	17	17	
C-D	---	---	---	---	There are no class 2 bolts greater than 2" at PBNP
C-F-1	---	---	---	---	Part of Risk-Informed ISI Program, see Examination Category R-A
C-F-2	---	---	---	---	Part of Risk-Informed ISI Program, see Examination Category R-A
C-G	1	0	0	0	Scheduled for the third interval
C-H	51	13	76	25	Pressure tests. See Note 3.
D-A	7	3	43	43	
D-B	21	3	43	14	Pressure tests. See Note 3.
F-A	135	61	45	45	
R-A	150	35	23	23	Includes class 1 and 2 piping welds

1. All percentages are rounded to the nearest 1%.
2. Pressure tests are conducted each outage with one extra test performed during the third period.
3. Pressure tests are conducted once each period, so each test will be conducted three times over the interval.

Table 2
Items with Flaws or Relevant Conditions that
Required Evaluation for Continued Service

Examination Category	Item No.	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
F-A	F1.30B	SWP-PSR003 Pipe Support	N/A	Yes
F-A	F1.30B	HB-19-H262 Pipe Support	N/A	Yes
F-A	F1.30A	HB-19-H11 Pipe Support	N/A	Yes
F-A	F1.30A	HB-19-H124 Rigid Support	N/A	Yes
F-A	F1.30B	SFC-PSA-015-3 Rigid Support	N/A	Yes
F-A	F1.30A	SFC-PSR-016-3 Rigid Support	N/A	Yes
F-A	F1.20B	SI-1501R-2-S842 SI-1501R-3-S842 Guide	N/A	Yes
F-A	F1.30A	HB-19-H37 Pipe Hanger	N/A	Yes
F-A	F1.30B	HB-19-H230 Pipe Support	N/A	Yes
F-A	F1.30A	HB-19-H18 Pipe Hanger	N/A	Yes
F-A	F1.30A	HB-19-H17 Pipe Hanger	N/A	Yes
F-A	F1.30B	HB-19-H8 JB-2-H5A Pipe Hanger	N/A	Yes
F-A	F1.30A	HB-19-H51 Rigid Support	N/A	Yes

Examination Category	Item No.	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
F-A	F1.20C	AC-601R-2-H1 Dual Spring Hanger	N/A	Yes
F-A	F1.20C	AC-601R-2-H2 Spring Hanger	N/A	Yes
F-A	F1.20B	SI-601R-2-H4 Rigid Support	N/A	Yes
F-A	F1.20C	AC-601R-6-H21 Spring Hanger	N/A	Yes
F-A	F1.20C	AC-601R-6-H20 Spring Hanger	N/A	Yes
F-A	F1.10B	39-14-PR Rigid Support	N/A	Yes
F-A	F1.20A	44-28-PSSB Rigid Support	N/A	Yes
F-A	F1.10B	CH-2501R-4-R73 Rigid Support	N/A	Yes
F-A	F1.20C	EB-9-19 Spring Hanger	N/A	Yes
F-A	F1.10C	RC-2501R-Z-RC2 Spring Hanger	N/A	Yes

Table 3
Abstract of Repairs, Replacements, or Corrective Measures
Required for Continued Service

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 or No)	Date Completed	Repair/ Replacement Plan Number
2	Replacement	Valve IMS-2016	Replace trim assembly	No	5/2/2004	2004-0020
1	Replacement	Component Support CH-2501R-6-7PRC	Replace missing nut	No	4/23/2004	2004-0021
2	Replacement	Un-named Component Support upstream of ICV-200B	Replace missing nut	No	4/23/2004	2004-0022
3	Replacement	Accident Recirc Fan IHX-15B motor cooler end bell	Replace studs and nuts	No	4/23/2004	2004-0025
1	Corrective Measure	Reactor Vessel Nozzle 26	Remove linear indications by flapping	No	See note	2004-0032
1	Repair	Reactor Vessel Nozzle 26	Remove and replace CRD weld	No	See note	2004-0035
1	Corrective Measure	Reactor Vessel Nozzle 26	Remove linear indications by grinding	No	See note	2004-0038

Note: The repairs on Reactor Vessel Nozzle 26 are completed, however, the Work Orders are still open pending the final approval of relief requests MR 02-18-1 and MR 02-18-02, which contain an alternative repair methodology. NRC verbal approval was received on May 26, 2004.

ENCLOSURE 2

**OAR-1, OWNER'S ACTIVITY REPORT FOR INSERVICE INSPECTION,
FOR CLASS MC and CC COMPONENTS**

4 pages follow

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number UIR28 Outage Class MC ISI IWE Examinations

Owner Nuclear Management Company, 700 First Street, Hudson, Wisconsin 54016
(Name and Address of Owner)

Plant Point Beach Nuclear Plant, 6590 Nuclear Road, Two Rivers, Wisconsin 54241
(Name and Address of Plant)

Unit No. 1 Commercial Service Date December 21, 1970 Refueling Outage No. UIR28
(If applicable)

Current Inspection Interval First
(1st, 2nd, 3rd, 4th, other)

Current Inspection Period Third
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plan 1992 Edition 1992 Addenda

Date and Revision of inspection plan August 24, 2001 / rev. 0

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

CERTIFICATE OF CONFORMANCE

I certify that the statements made in the 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/A Expiration Date N/A
(If applicable)

Signed *Jonathan Nabholz*, IWE coordinator Date 8-27-04
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 Wisconsin and employed by Hartford Steam Boiler Global Services of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, during the period July 1, 2002 to May XX, 2004, 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 loss of any kind arising from the connected with this inspection.

[Signature] Commissions WI 247972
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-27-2004

Table 1
Abstract of Examinations and Tests

Examination Category	Total Examinations Required for the Interval	Total Examinations Credited for this Period	Total Examinations Credited (%) for the Period	Total Examinations Credited (%) to Date for the Interval	Remarks
E-A	157	24	13% ¹	74% ¹	The number of liner plates examined, expressed as a percentage of exams, does not correlate to the containment surface area examined, expressed as a percentage of surface area. This is because the containment liner consists of different size liner plates; therefore, surface area will vary from plate to plate. The percentages reflect the surface area of the plates that were examined and not the percentages of the number of examinations performed.
E-B	N/A	N/A	N/A	N/A	Containment Penetration Welds, Examination Category E-B examination requirements specified in ASME Section XI Code are not required. Examination Category E-A requirements are considered sufficient to identify any degraded conditions for containment penetration welds.
E-C	34	0	0	67%	Approximately 100 % are examined each period
E-D	75	0 ¹	0 ¹	41%	The examinations percentages do not meet the IWE-2412-1 inspection program B examinations percentages because of the use of the authorized Relief Request # ERR-1. Exam category E-D, Item Number E5.10 and E5.20 were examined in accordance with ERR-1 starting after September 14, 2001. The use of this ERR was authorized by the NRC in the safety evaluation for relief requests for the containment inspection program. (Dated September 14, 2001)
E-F	N/A	N/A	N/A	N/A	Pressure Retaining Dissimilar Metal Welds, Examination Category E-F requirements specified in ASME Section XI Code are not required and shall not be implemented by PBNP.
E-G	38	0 ¹	0 ¹	21%	The examinations percentages do not meet the IWE-2412-1 inspection program B examinations percentages because of the use of the authorized Relief Request # ERR-6. Exam category E-G, Item Number E8.20 was examined in accordance with ERR-6 starting after September 14, 2001. The use of this ERR was authorized by the NRC in the safety evaluation for relief requests for the containment inspection program. (Dated September 14, 2001)
E-P	See remarks	See remarks	See remarks	See remarks	This is covered by PBNP's Containment Leakage Rate Testing Program (CLRT), which implements 10 CFR 50 Appendix J. All Examination Category E-P pressure retaining components are tested in accordance with 10 CFR 50 Appendix J, Option B and scheduled as directed by the CLRT program.

¹ Refer to the remarks column

All percentages are rounded to the nearest 1%.

Table 2
 Items with Flaws or Relevant Conditions that
 Required Evaluation for Continued Service

Examination Category	Item No.	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled Section XI Examination or Test (Yes or No)
None	None	None	None	None

Table 3
 Abstract of Repairs, Replacements, or Corrective Measures
 Required for Continued Service

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 or No)	Date Completed	Repair/ Replacement Plan Number
MC	Replacement	Containment 1CPP-56 Penetration Flange	Replace flange and attached valve due to incorrect flange installed (WO 0213478)	No	5/27/2004	2004-0048
MC	Replacement	Containment 1CPP-56 Penetration Flange bolting	Replace bolting (WO 0213478)	No	5/27/2004	2004-0006
MC	Replacement	1VNPSR-03212 & 1VNPSE-03244	Replace Valve with Flange (WO 0400322, 0400324)	No	6/2/2004	2004-0009