



FPL Energy Point Beach, LLC, 6610 Nuclear Road, Two Rivers, WI 54241

FPL Energy.

Point Beach Nuclear Plant

February 10, 2009

NRC 2009-0014
10 CFR 50.55a

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 U1R31

FPL Energy Point Beach, LLC, is submitting inservice inspection summary reports for inspections conducted prior to and during the Point Beach Nuclear Plant (PBNP) refueling outage U1R31 that concluded on November 13, 2008. 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 and ASME Code Case N-532-4. The IWE Class MC and IWL Class CC reports are submitted pursuant to the requirements of Subarticle IWA-6240 of the 2001 Edition with Addenda through 2003 of ASME Section XI and ASME Code Case N-532-4.

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

Very truly yours,

FPL Energy Point Beach, LLC



Larry Meyer
Site Vice President

Enclosures (2)

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

**FPL ENERGY POINT BEACH, LLC
POINT BEACH NUCLEAR PLANT, UNIT 1**

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

3 pages follow

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number U1R31 Outage Class 1, 2, and 3 ISI Examination

Plant FPLE Point Beach Nuclear Plant, 6610 Nuclear Road, Two Rivers, Wisconsin 54241

Unit No. 1 Commercial Service Date December 21, 1970 Refueling Outage No. U1R31
(If applicable)

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

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

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

Date and Revision of inspection plans November 2, 2007 / Revision 6


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

Code Cases used: N-460, N-498-4 (CL 3 only), N-532-4, N-533-1, N-566-2, N-624
(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 U1R31
(refueling outage number)


conform to the requirements of Section XI.

Signed  ISI Coordinator Date 2/2/2009
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 of 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 evaluations 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 or connected with this inspection.

 Commissions WI 929625 A,I,N
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-2-09

Table 1

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

Examination Category and Item Number	Item Description	Evaluation Description
None	None	None

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

Code Class	Item Description	Description of Work	Date Completed	Repair/ Replacement Plan Number
3	HB-19 Piping	Piping replacement due to pinhole leak	7/28/2007	2007-0046
3	Pipe Support HB-19-SB6R	Replace missing nuts and damaged U-bolt	3/7/2008	2008-0015
1	Containment Penetration, 1CPP-28D	Removal of leak chase between penetration cap and process piping, elimination of constrained pipe condition	10/29/2008	2008-0054
1	Containment Penetration, 1CPP-28A	Replacement of process piping to eliminate any cycle fatigue concerns	11/12/2008	2008-0061
1	Containment Penetration, 1CPP-28B	Replacement of process piping to eliminate any cycle fatigue concerns	11/2/2008	2008-0062
1	Containment Penetration, 1CPP-28C	Replacement of process piping to eliminate any cycle fatigue concerns	10/31/2008	2008-0063
1	SG U-Tube	Mechanical plugging of tube in SG-1A, Row 38, Column 69	11/6/2008	2008-0092
3	HX-015B Flex Hose	Replace flex hose (bolted)	11/8/2008	2008-0111
3	HX-015B Flex Hose	Replace flex hose (bolted)	11/8/2008	2008-0112

ENCLOSURE 2

**FPL ENERGY POINT BEACH, LLC
POINT BEACH NUCLEAR PLANT, UNIT 1**

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

3 pages follow

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number U1R31 Outage Class MC. CC ISI Examination

Plant FPLE Point Beach Nuclear Plant, 6610 Nuclear Road, Two Rivers, Wisconsin 54241

Unit No. 1 Commercial Service Date December 21, 1970 Refueling Outage No. U1R31
(If applicable)

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

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

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

Date and Revision of inspection plans September 7, 2007 / rev 0

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

Code Cases used: N-532-4
(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 U1R31
(refueling outage number)

conform to the requirements of Section XI.

Signed *Lynette E. Winkler* / IWE & IWL Program Engineer Date 2.3.09
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 of 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 evaluations 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 or connected with this inspection.

Jeff Buchinski Commissions WI 929625 A, I, N
Inspector's Signature National Board, State, Province, and Endorsements

Date 2-4-09

Table 1

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

Examination Category and Item Number	Item Description	Evaluation Description
E-C E 4.12	Surface Area Grid Minimum Wall Thickness Location	Containment pipe penetration 1CPP-50 had ultrasonic thickness measurement less than 90% nominal wall thickness. Analysis shows that the reduced thickness meets design specifications.
E-C E 4.12	Surface Area Grid Minimum Wall Thickness Location	Containment pipe penetration 1CPP-51 had ultrasonic thickness measurements less than 90% nominal wall thickness. Analysis shows that the reduced thickness meets design specifications.

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

Code Class	Item Description	Description of Work	Date Completed	Repair/ Replacement Plan Number
MC	Containment Penetration, 1CPP-28A	Replacement of process piping to eliminate any cycle fatigue concerns	11/12/2008	2008-0061
MC	Containment Penetration, 1CPP-28B	Replacement of process piping to eliminate any cycle fatigue concerns	11/2/2008	2008-0062
MC	Containment Penetration, 1CPP-28C	Replacement of process piping to eliminate any cycle fatigue concerns	10/31/2008	2008-0063
MC	Containment Penetration, 1CPP-34B	Replacement of process piping to eliminate any cycle fatigue concerns	11/12/2008	2008-0064
MC	Containment Penetration, 1CPP-34C	Replacement of process piping to eliminate any cycle fatigue concerns	11/4/2008	2008-0065
MC	Containment Penetration, 1CPP-28A	Remove leak chase to prevent constrained pipe/thermal fatigue issue	11/12/2008	2008-0051
MC	Containment Penetration, 1CPP-28B	Remove leak chase to prevent constrained pipe/thermal fatigue issue	11/2/2008	2008-0052
MC	Containment Penetration, 1CPP-28C	Remove leak chase to prevent constrained pipe/thermal fatigue issue	10/31/2008	2008-0053
MC	Containment Penetration, 1CPP-28D	Remove leak chase to prevent constrained pipe/thermal fatigue issue	10/29/2008	2008-0054
MC	Containment Penetration, 1CPP-34A	Remove leak chase to prevent constrained pipe/thermal fatigue issue	10/29/2008	2008-0055
MC	Containment Penetration, 1CPP-34B	Remove leak chase to prevent constrained pipe/thermal fatigue issue	11/12/2008	2008-0056
MC	Containment Penetration, 1CPP-34C	Remove leak chase to prevent constrained pipe/thermal fatigue issue	11/4/2008	2008-0057
MC	Containment Penetration, 1CPP-34D	Remove leak chase to prevent constrained pipe/thermal fatigue issue	10/29/2008	2008-0058