



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

March 3, 2010

EA-06-178

Mr. Larry Meyer  
Site Vice-President  
NextEra Energy Point Beach, LLC  
6610 Nuclear Road  
Two Rivers, WI 54241

**SUBJECT:** ANNUAL ASSESSMENT LETTER - POINT BEACH NUCLEAR PLANT,  
UNITS 1 AND 2 (05000266/2010001; 05000301/2010001)

Dear Mr. Meyer:

On February 10, 2010, the NRC staff completed its performance review of Point Beach Nuclear Plant, Units 1 and 2. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2009. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only -- Security Information" will include the Security Cornerstone review and resultant inspection plan.

Overall, Point Beach Nuclear Plant operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

In our March 4, 2009, Annual Assessment Letter for 2008 (ADAMS Accession Number ML090630351), we requested that you perform an independent assessment of the corrective actions taken in response to the 2004, 2006, and 2008 independent safety culture surveys referenced in our January 2007 Confirmatory Order EA-06-178 (ML063630336). At that time, we requested this independent assessment because you had exceeded three assessment periods with a substantive cross-cutting issue in human performance and problem identification and resolution, and had seen only nominal improvements in your overall nuclear safety culture assessment conducted in 2008.

In our September 1, 2009, Mid-Cycle Performance Review letter (ML092440297), we noted that you had completed the requested independent assessment and that the corrective actions you had planned and taken for the 2008 safety culture survey were more effective than those taken for the 2004 and 2006 safety culture surveys and provided reasonable assurance that progress could be sustained. In December 2009, we conducted our final review of actions you have taken in response to the Order. Our review corroborated your independent assessment and we concluded that your continuing focus on safety culture corrective actions will sustain and further improve performance in this area. Finally, we completed our review of your actions required by the Confirmatory Order (EA-06-178) for Point Beach. The results of our review were documented in the fourth quarter 2009 Integrated Inspection Report 05000266/2009005; 05000301/2009005 (ML100410106 and ML100431371).

Additionally, on June 24, 2009, the staff issued a Severity Level III Notice of Violation accordance with the NRC's Enforcement Policy. The violation was discussed in NRC Inspection Report 05000266/2009008; 05000301/2009008 (ML091030350), dated April 8, 2009, and pertained to failing to notify the NRC when licensed operators develop a permanent disability or illness. A follow-up inspection was completed in the third quarter of 2009 with no concerns noted.

The enclosed inspection plan details the inspections, less those related to security, scheduled through June 30, 2011. In addition to the baseline inspections, some infrequently conducted inspections, such as Inspection Procedure 71004, "Power Uprate," are scheduled during this period. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

L. Meyer

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If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Michael Kunowski at (630) 829-9618 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

***/RA/***

Steven West, Director  
Division of Reactor Projects

Docket Nos. 50-266; 50-301  
License Nos. DPR-24; DPR-27

Enclosure: Point Beach Inspection/Activity Plan

cc w/encl: Distribution via ListServ

L. Meyer

-3-

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NAME	JJandovitz:cms	MKunowski	SWest	
DATE	02/19/10	02/23/10	03/03/10	

**OFFICIAL RECORD COPY**

Letter to L. Meyer from S. West dated March 3, 2010

SUBJECT: ANNUAL ASSESSMENT LETTER - POINT BEACH NUCLEAR PLANT,  
UNITS 1 AND 2 (05000266/2010001; 05000301/2010001)

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**Point Beach**  
**Inspection / Activity Plan**  
**03/01/2010 - 06/30/2011**

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		<b>BI ENG - ENGINEERING INSERVICE INSPECTION - U1</b>		<b>1</b>
03/01/2010	03/26/2010	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds	
03/01/2010	03/26/2010	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>RENEWAL - LICENSE RENEWAL 71003 PHASE 1 - U1</b>		<b>3</b>
03/01/2010	03/26/2010	IP 71003	Post-Approval Site Inspection for License Renewal	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
03/15/2010	03/19/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
		<b>BI ENG - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>3</b>
05/10/2010	05/28/2010	IP 7111105T	Fire Protection [Triennial]	
		<b>BI ENG - TRIENNIAL FIRE INS INFO GATHERING TRIP</b>		<b>3</b>
04/26/2010	04/30/2010	IP 7111105T	Fire Protection [Triennial]	
		<b>TI - TI 2515/177</b>		<b>1</b>
06/21/2010	06/25/2010	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
		<b>STRIKE - STRIKE CONTINGENCY - OPS/MAINT/RP/</b>		<b>1</b>
07/16/2010	08/15/2010	IP 92709	Licensee Strike Contingency Plans	
		<b>RENEWAL - LICENSE RENEWAL 71003 - PHASE 2 - U1</b>		<b>6</b>
08/09/2010	08/27/2010	IP 71003	Post-Approval Site Inspection for License Renewal	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
08/16/2010	08/20/2010	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
08/16/2010	08/20/2010	IP 71151-BI01	Reactor Coolant System Activity	
08/16/2010	08/20/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
08/16/2010	08/20/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
08/30/2010	09/03/2010	IP 71124.05	Radiation Monitoring Instrumentation	
		<b>BI EP - EP EXERCISE INSPECTION / PI VERIFICATION</b>		<b>3</b>
10/25/2010	10/29/2010	IP 7111401	Exercise Evaluation	
10/25/2010	10/29/2010	IP 71151-EP01	Drill/Exercise Performance	
10/25/2010	10/29/2010	IP 71151-EP02	ERO Drill Participation	
10/25/2010	10/29/2010	IP 71151-EP03	Alert & Notification System	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
11/15/2010	11/19/2010	IP 71124.02	Occupational ALARA Planning and Controls	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
01/10/2011	01/14/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
01/10/2011	01/14/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

**Point Beach**  
**Inspection / Activity Plan**  
**03/01/2010 - 06/30/2011**

Planned Dates		Inspection Activity	Title	No. of Staff on Site
Start	End			
		<b>UPRATE - POWER UPRATE - FAC/EC NON-OUTAGE PORTION</b>		<b>1</b>
01/24/2011	01/28/2011	IP 71004	Power Uprate	
		<b>RENEWAL - LICENSE RENEWAL 71003-PHASE 1 - U2</b>		<b>1</b>
03/01/2011	05/15/2011	IP 71003	Post-Approval Site Inspection for License Renewal	
		<b>BI ENG - ENGINEERING INSERVICE INSPECTION - U2</b>		<b>1</b>
03/01/2011	04/04/2011	IP 7111108P	Inservice Inspection Activities - PWR	
		<b>UPRATE - POWER UPRATE FAC/EC OUTAGE PORTION</b>		<b>1</b>
03/01/2011	04/04/2011	IP 71004	Power Uprate	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
04/04/2011	04/08/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
04/04/2011	04/08/2011	IP 71124.04	Occupational Dose Assessment	
		<b>OL PREP - POINT BEACH INIT PREP - 02/2011</b>		<b>3</b>
04/04/2011	04/08/2011	W90233	OL - INITIAL EXAM - MAR 2011 - POIN	
		<b>OL EXAM - POINT BEACH INIT EXAM - 03/2011</b>		<b>3</b>
04/25/2011	05/06/2011	W90233	OL - INITIAL EXAM - MAR 2011 - POIN	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
05/16/2011	05/20/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
05/16/2011	05/20/2011	IP 71124.07	Public Radiation Safety	
		<b>BI RP - RADIATION PROTECTION BASELINE INSPECTION</b>		<b>1</b>
06/06/2011	06/10/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
		<b>BI ENG - COMPONENT DESIGN BASIS INSPECTION</b>		<b>5</b>
06/13/2011	07/15/2011	IP 7111121	Component Design Bases Inspection	
		<b>BI PI&amp;R - BIENNIAL PI&amp;R INSPECTION</b>		<b>3</b>
06/27/2011	07/15/2011	IP 71152B	Identification and Resolution of Problems	