



June 25, 2012

NRC 2012-0053
10 CFR 50.73

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

Point Beach Nuclear Plant, Unit 2
Docket 50-301
Renewed License No. DPR-24

Licensee Event Report 266/2012-001-00
Operability of G-01 and G-02 Emergency Diesel Generators

Enclosed is Licensee Event Report (LER) 266/2012-001-00 for Point Beach Nuclear Plant, Units 1 and 2. NextEra Energy Point Beach, LLC is providing this voluntary LER regarding tornado missile protection to G-01 and G-02 Emergency Diesel Generators exhaust stacks.

This submittal contains no new or revised regulatory commitments.

If you have questions or require additional information, please contact Mr. Bill Hennessy at 920/755-7656.

Very truly yours,

NextEra Energy Point Beach, LLC

A handwritten signature in black ink that reads "R. V. USA for L. Meyer". The signature is written in a cursive, somewhat stylized font.

Larry Meyer
Site Vice President

Enclosure

cc: Administrator, Region III, USNRC
Project Manager, Point Beach Nuclear Plant, USNRC
Resident Inspector, Point Beach Nuclear Plant, USNRC
PSCW

LICENSEE EVENT REPORT (LER)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA/Privacy Section (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. FACILITY NAME Point Beach Nuclear Plant	2. DOCKET NUMBER 05000266	3. PAGE 1 of 3
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4. TITLE
Operability of G-01 and G-02 Emergency Diesel Generators

5. EVENT DATE			6. LER NUMBER			7. REPORT DATE			8. OTHER FACILITIES INVOLVED	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO.	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
04	26	2012	2012	001	00	06	25	2012	Point Beach Nuclear Plant	05000301

9. OPERATING MODE Both Units MODE 1	11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR§: (Check all that apply)									
	<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> 50.73(a)(2)(vii)						
10. POWER LEVEL Both Units at 100%	<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)						
	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)						
	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)						
	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)						
	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(4)						
	<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.71(a)(5)						
<input type="checkbox"/> 20.2203(a)(2)(v)	<input type="checkbox"/> 50.73(a)(2)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	<input checked="" type="checkbox"/> OTHER							
<input type="checkbox"/> 20.2203(a)(2)(vi)	<input type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(v)(D)	Specify in Abstract below or in NRC Form 366A							

12. LICENSEE CONTACT FOR THIS LER

NAME Kim Locke - Engineering Analyst	TELEPHONE NUMBER (Include Area Code) 920/755-7655
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13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO EPIX
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

14. SUPPLEMENTAL REPORT EXPECTED			15. EXPECTED SUBMISSION DATE		
<input type="checkbox"/> YES (If yes, complete 15. EXPECTED SUBMISSION DATE)			<input checked="" type="checkbox"/> NO		
MONTH	DAY	YEAR			

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)

NextEra Energy Point Beach (NextEra) is providing this voluntary LER regarding the Operability of the Point Beach Nuclear Plant (PBNP) G-01 and G-02 Emergency Diesel Generators (EDGs). Emergency Diesel Generators G-03 and G-04 were not affected by the condition.

In an NRC Task Interface Agreement (TIA), Evaluation of Point Beach Nuclear Plant Tornado Missile Protection Licensing Basis, dated August 16, 2011 (TIA 2011-011), the NRC concluded that the licensing basis for Point Beach Nuclear Plant (PBNP) required the EDG exhaust stacks to be protected from tornado missiles. NextEra determined in a prompt operability determination (POD) that the EDGs were Operable, but non-conforming.

The NRC issued a second TIA, Applicability of GDC Requirements in Operability Determinations and Assessment of the Point Beach Operability Determination for Emergency Diesel Generators With Respect to Tornado Missiles, dated April 24, 2012 (TIA 2012-07). Based on TIA 2012-07, PBNP Operations directed that Operability of the EDGs should be reevaluated. Based on concerns with TIA 2012-07, PBNP Operations conservatively declared the EDGs Inoperable pending further evaluation, and entered the 7-day Technical Specification Action Condition (TSAC) for TS 3.8.1. A protective structure was designed and built around the EDG exhaust stacks and PBNP Operations subsequently declared the EDGs Operable.

**LICENSEE EVENT REPORT (LER)
CONTINUATION SHEET**

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
Point Beach Nuclear Plant	05000266	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	Page 2 of 3
		2012	- 001	- 00	

NARRATIVE

Description of the Event

NextEra Energy Point Beach (NextEra) is providing this voluntary LER regarding the Operability of the Point Beach Nuclear Plant (PBNP) G-01 and G-02 Emergency Diesel Generators (EDGs). Emergency Diesel Generators G-03 and G-04 were not affected by the condition.

During a Component Design Bases Inspection (CDBI) completed at PBNP on October 3, 2006, NRC inspectors identified a concern with respect to the potential impact of tornado missiles on the exhaust stacks for the EDGs. In an NRC Task Interface Agreement (TIA), Evaluation of Point Beach Nuclear Plant Tornado Missile Protection Licensing Basis (TIA 2011-011), the NRC concluded that the licensing basis for PBNP required the EDG exhaust stacks to be protected from tornado missiles. In 2011, NextEra received a green non-cited violation for failure to fully meet GDC-2 requirements for protection of components from tornado and high wind loads. The NRC position in TIA 2011-011 was that the EDGs were Operable, but non-conforming based on a perceived tornado season. NextEra determined in a prompt operability determination (POD) that the EDGs were Operable, but non-conforming.

On April 24, 2012, NRC issued a second TIA, Applicability of GDC Requirements in Operability Determinations and Assessment of the Point Beach Operability Determination for Emergency Diesel Generators with Respect to Tornado Missiles, dated April 24, 2012 (TIA 2012-07). In TIA 2012-07, the NRC raised concerns with respect to Operability of the EDGs due to the potential vulnerability of the EDG exhaust stacks to postulated wind-generated missiles. Specifically, the NRC concluded, based on information available at that time, that NextEra had not demonstrated that G-01 and G-02 complied with PBNP General Design Criteria 2 (PBNP GDC-2), and that NextEra should reassess the Operability of the EDGs. Subsequently, historical documentation has been discovered indicating that separation and redundancy of the EDG exhaust pipes was the original plant design concept to provide protection from tornado missiles.

In light of the information in the TIA, on April 26, 2012, at 0800, Operations declared the EDGs Inoperable and entered TSAC 3.8.1.E for standby emergency power being out of service to 1 and 2 A05 safeguards busses. Required action E.3 is to restore standby emergency power to operable status within 7 days.

During the time the diesels were declared Inoperable, a temporary modification was completed to protect the G-01 and G-02 EDG exhaust stacks. On May 2, 2012, at 0245, upon completion of the temporary modification for G-02, Operations realigned 4160V safeguards buses and exited TSAC 3.8.1.E.

This issue is not being reported as a safety system functional failure.

Cause of the Event

The EDGs were declared Inoperable based on the information contained in TIA 2012-07, which raised additional questions concerning the Operability of the EDGs which may not have been adequately addressed in POD Revision 5.

The decision to declare the EDGs inoperable was made by Plant Management to ensure the safety of the plant was not compromised while the issues identified in TIA 2012-07 were being addressed.

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CONTINUATION SHEET**

1. FACILITY NAME	2. DOCKET	6. LER NUMBER			3. PAGE
Point Beach Nuclear Plant	05000266	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	Page 3 of 3
		2012	- 001	- 00	

NARRATIVE

Analysis of the Event

The specified safety function of the emergency diesel generators, for which the exhaust stacks are supporting equipment, are to start, automatically load safe shutdown and/or emergency loads, and to continue to supply those loads to maintain safe shutdown or mitigate the consequences of analyzed accidents.

Following review of the Task Interface Agreement (TIA), Evaluation of Point Beach Nuclear Plant Tornado Missile Protection Licensing Basis, dated August 16, 2011 (TIA 2011-011), NextEra performed an Immediate Operability Determination for G-01 and G-02 EDGs. The conclusion made was the EDGs were Operable but non-conforming. Immediate compensatory actions were established to protect the health and safety of the public. Specifically, if a Tornado Watch or Tornado Warning was issued by the National Weather Service that included the PBNP site, both G-01 and G-02 would be administratively declared Inoperable and the appropriate TSAC entered.

A prompt operability determination (POD) was completed and concluded that G-01 and G-02 EDGs were Operable but non-conforming. To mitigate the minimal residual risk of G-01 and G-02 EDGs, specific compensatory actions were implemented.

On April 25, 2012, a POD was requested to document information received from TIA 2012-07. On April 26, 2012, G-01 and G-02 were conservatively declared Inoperable pending further evaluation of the TIA. Emergency Diesel Generators G-03 and G-04 were not affected by the condition. On May 2, 2012, a partial turnover for temporary modification for missile protection for the EDG exhaust stacks was accepted by Operations for the G-02 EDG. The modification established a tornado missile protection structure for G-02 EDG exhaust pipe. Therefore, at 0245 on May 2, 2012, Operations realigned 4160V safeguards buses and exited TSAC 3.8.1.E. Subsequently, historical documentation has been discovered indicating that separation and redundancy of the EDG exhaust pipes was the original plant design concept to provide protection from tornado missiles.

Analysis of Safety Significance

The issue screened as very low safety significance because the issue did not represent a loss of system safety function.

Corrective Actions

Temporary Modification, Wind and Missile Protection for Emergency Diesel Generator Exhaust Pipes

Similar Events

None

Failed Components

None