



May 31, 2016

NRC 2016-0024  
10 CFR 50.73

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

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

Licensee Event Report 266/2016-002-00  
Unit 1 Operation or Condition Prohibited by Technical Specifications

Enclosed is Licensee Event Report (LER) 266/2016-002-00 for Point Beach Nuclear Plant, Unit 1. NextEra Energy Point Beach, LLC is providing this LER to report an operation or condition prohibited by Technical Specifications.

This letter contains no new regulatory commitments.

If you have any questions please contact Mr. Bryan Woyak, Licensing Manager,  
at 920/755-7599.

Sincerely,

NextEra Energy Point Beach, LLC

A handwritten signature in black ink, appearing to read "Bob Coffey".

Bob Coffey  
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)**(See Page 2 for required number of  
digits/characters for each block)

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 and Information Collections Branch (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 Unit 1

**2. DOCKET NUMBER**

05000266

**3. PAGE**

1 OF 3

**4. TITLE**

Operation or Condition Prohibited by Technical Specifications

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	01	2016	2016	- 002	- 00	05	31	2016	NA	05000
									FACILITY NAME	DOCKET NUMBER
									NA	05000

**9. OPERATING MODE****11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)**

ALL	<input type="checkbox"/> 20.2201(b)	<input type="checkbox"/> 20.2203(a)(3)(i)	<input type="checkbox"/> 50.73(a)(2)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)
	<input type="checkbox"/> 20.2201(d)	<input type="checkbox"/> 20.2203(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(ii)(B)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)
	<input type="checkbox"/> 20.2203(a)(1)	<input type="checkbox"/> 20.2203(a)(4)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)(A)
	<input type="checkbox"/> 20.2203(a)(2)(i)	<input type="checkbox"/> 50.36(c)(1)(i)(A)	<input type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)
10. POWER LEVEL	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input type="checkbox"/> 50.73(a)(2)(v)(A)	<input type="checkbox"/> 73.71(a)(4)
	<input type="checkbox"/> 20.2203(a)(2)(iii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(v)(B)	<input type="checkbox"/> 73.71(a)(5)
	<input type="checkbox"/> 20.2203(a)(2)(iv)	<input type="checkbox"/> 50.46(a)(3)(ii)	<input type="checkbox"/> 50.73(a)(2)(v)(C)	<input type="checkbox"/> 73.77(a)(1)
	<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)(D)	<input type="checkbox"/> 73.77(a)(2)(i)
	<input type="checkbox"/> 20.2203(a)(2)(vi)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)(B)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input type="checkbox"/> 73.77(a)(2)(ii)
		<input type="checkbox"/> 50.73(a)(2)(i)(C)	<input type="checkbox"/> OTHER	Specify in Abstract below or in NRC Form 366A

**12. LICENSEE CONTACT FOR THIS LER****LICENSEE CONTACT**

Thomas P. Schneider, Senior Licensing Engineer

**TELEPHONE NUMBER (Include Area Code)**

920-755-7797

**13. COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT**

CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX	CAUSE	SYSTEM	COMPONENT	MANU-FACTURER	REPORTABLE TO EPIX
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA


**14. SUPPLEMENTAL REPORT EXPECTED**☐ YES (If yes, complete 15. EXPECTED SUBMISSION DATE) ☒ NO**15. EXPECTED SUBMISSION DATE**

MONTH	DAY	YEAR
NA	NA	NA

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

On April 1, 2016 the 345/13.8kV high voltage station auxiliary transformer (1X-03) tripped on a differential current relay (1-87A/X-03) actuation. Review of this event determined that there were three instances over the past three years when the required action completion time for not satisfying the Limiting Conditions For Operation of Technical Specification 3.8.1 (AC Sources – Operating) and 3.8.2 (AC Sources – Shutdown) would have been exceeded with the latent error present.

This event is being reported pursuant to 10 CFR 50.73(a)(2)(i)(B) for operation or condition prohibited by technical specifications.

<b>NRC FORM 366A</b> (11-2015)	<b>U.S. NUCLEAR REGULATORY COMMISSION</b>	<b>APPROVED BY OMB: NO. 3150-0104</b>  <small>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 and Information Collections Branch (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, NEOF-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.</small>	<b>EXPIRES: 10/31/2018</b>						
 <div style="display: inline-block; vertical-align: middle;"> <b>LICENSEE EVENT REPORT (LER)</b>  <b>CONTINUATION SHEET</b> </div>									
<b>1. FACILITY NAME</b>  Point Beach Nuclear Plant Unit 1	<b>2. DOCKET NUMBER</b>  05000266	<b>3. LER NUMBER</b>							
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">YEAR</th> <th style="width: 25%;">SEQUENTIAL NUMBER</th> <th style="width: 25%;">REV NO.</th> </tr> <tr> <td style="text-align: center;">2016</td> <td style="text-align: center;">- 002</td> <td style="text-align: center;">- 00</td> </tr> </table>	YEAR	SEQUENTIAL NUMBER	REV NO.	2016	- 002	- 00	
YEAR	SEQUENTIAL NUMBER	REV NO.							
2016	- 002	- 00							
<b>NARRATIVE</b>  <b>Description of the Event:</b>  <p>At 1132 On April 1, 2016 the 345/13.8kV high voltage station auxiliary transformer (1X-03) tripped on a differential current relay (1-87A/X-03) actuation. Review of this event determined that there were three instances over the past three years when the required action completion time for not satisfying the Limiting Conditions For Operation of Technical Specification 3.8.1 (AC Sources – Operating) and 3.8.2 (AC Sources – Shutdown) would have been exceeded with the latent error present.</p> <p>This 60 day licensee event report is being submitted in accordance with the requirements of 10 CFR 50.73(a)(2)(i)(B).</p> <p><b>Cause of the Event:</b></p> <p>The cause of the operation or condition prohibited by technical specifications has been determined to be a wiring error introduced on April 3, 2013.</p> <p><b>Analysis of the Event:</b></p> <p>The 345/13.8kV high voltage station auxiliary transformer (1X-03) tripped on a differential current relay (1-87A/X-03) actuation while starting a Reactor Coolant Pump motor. The actuation triggered a 1X-03 lockout. During the event, an automatic fast bus transfer occurred as designed powering the 13.8kV/4.16kV low voltage station auxiliary transformer (1X-04) from offsite power through the opposite unit 345/13.8kV high voltage station auxiliary transformer (2X-03). An under voltage condition was not detected on the downstream 4.16kV safeguard bus switchgear (1A-05 or 1A-06) that would have started the emergency diesel generators. Operations promptly restored equipment affected by the 1X-03 lock out, including station battery chargers (D-07 and D-108) within four minutes. The 1X-04 transformer was returned to service through the 1X-03 transformer at 2342 on April 1, 2016.</p> <p>An event investigation team determined the cause of the event to be a wiring error associated with the differential current relay. With the wiring error present, actuation of the relay was dependent upon the loading of the transformer. As transformer load would increase, the relay would get closer to its actuation. If the relay actuated, the 1X-03 transformer would lock out and remove the circuit from the offsite transmission network. This is what occurred during the April 1, 2016 event.</p> <p>Technical Specification 3.8.1 requires the associated unit X-03 transformer to be operable. Technical Specification 3.8.2 requires an offsite circuit to be operable. Analysis of the 1X-03 transformer load data for the past three years determined there were three instances when the required action completion time for not satisfying the Limiting Conditions For Operation of Technical Specification 3.8.1 and 3.8.2 would have been exceeded.</p> <p><b>Safety Significance:</b></p> <p>The condition was determined to be of very low safety significance. If the condition would have presented itself, Operations would have promptly restored equipment affected by the 1X-03 lock out. If an under voltage condition would have been detected on the downstream 1A-05 or 1A-06, the emergency diesel generators would have started and powered safety systems, structures or components needed to shut down the reactor, maintain safe shutdown conditions, remove residual heat, control the release of radioactive material or mitigate the consequences of an accident. There was no impact on the health and safety of the public as a result of this condition.</p>									

NRC FORM 366A  
(11-2015)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0104

EXPIRES: 10/31/2018



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

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 and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [Infocollects.Resource@nrc.gov](mailto: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	2. DOCKET NUMBER	3. LER NUMBER		
Point Beach Nuclear Plant Unit 1	05000266	YEAR	SEQUENTIAL NUMBER	REV NO.
		2016	- 002	- 00

## **NARRATIVE**

### **Corrective Actions:**

The 1X-03 transformer differential current relay wiring error has been corrected. A corrective action has been created from the extent of condition review of work performed by contractors to enhance the contractor training on the proper use of plant processes for lifting and landing wires/leads on equipment.

### **Similar Events:**

There have not been similar events of this condition prohibited by technical specifications reported in the past three years.

### **Component Failure Data:**

None