



December 16, 2015

NRC 2015-0074  
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 266/2015-006-00  
Unit 1 Automatic Reactor Trip

Enclosed is Licensee Event Report (LER) 266/2015-006-00 for Point Beach Nuclear Plant, Unit 1. NextEra Energy Point Beach, LLC is providing this LER regarding the Unit 1 automatic reactor trip.

This letter contains no new regulatory commitments.

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

Very truly yours,

NextEra Energy Point Beach, LLC

A handwritten signature in cursive script, appearing to read "Eric McCartney".

Eric McCartney  
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)  
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  Point Beach Nuclear Plant Unit 1	2. DOCKET  05000266	6. LER NUMBER			3. PAGE  2 OF 2	
		YEAR	SEQUENTIAL NUMBER	REV NO.		
		2015	006	00		

**NARRATIVE**

**Description of the Event:**

At 1912 on November 28, 2015 with Unit 1 in MODE 1 at full power, an automatic reactor trip was actuated as the result of a failure of the Main Generator Automatic Voltage Regulator (AVR). All control rods fully inserted into the core. The Auxiliary Feedwater Pumps started as expected on low steam generator level. The Auxiliary Feedwater system was secured and decay heat removal was provided by the Condenser Steam Dumps utilizing the Main Feedwater system. All other safety systems functioned as designed.

The Unit 1 Main Generator AVR was repaired, returned to service and the unit returned to full power operations.

This 60-day licensee event report is being submitted in accordance with the requirements of 10 CFR 50.73(a)(2)(iv)(A) for the automatic actuation of the reactor protection system.

**Cause of the Event:**

The cause of the automatic reactor trip was due to the failure of an isolation transducer module in the Main Generator AVR.

**Analysis of the Event:**

Troubleshooting activities completed as part of the post trip investigation identified a failed isolation transducer module within the main generator AVR. The main generator AVR isolation transducer module failure resulted in an indicated over excitation protection set point being exceeded causing a generator lockout. The generator lockout caused the turbine to trip. The reactor tripped as a result of the turbine trip.

**Corrective Actions:**

The Unit 1 Main Generator AVR was repaired, returned to service and the unit returned to full power operations.

**Safety Significance:**

The event was determined to be of very low safety significance. During the event and subsequent recovery actions, there was no loss of any safety systems, structures or components. All control rods fully inserted into the core as designed to control reactivity and temperature of the core. This event had no impact on the safety of the core. The Auxiliary Feedwater Pumps started as expected on low steam generator level. The Auxiliary Feedwater system was secured and decay heat removal was provided by the Condenser Steam Dumps utilizing the Main Feedwater system. There was no impact on the health and safety of the public as a result of this event.

**Similar Events:**

There have not been similar events of automatic reactor trips in the past three years.

**Component Failure Data:**

Main Generator Automatic Voltage Regulator DC-DC Isolation Transducer Module Style 1A96166G11 – Cutler-Hammer



**LICENSEE EVENT REPORT (LER)**  
(See Page 2 for required number of digits/characters for each block)

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<b>1. FACILITY NAME</b> Point Beach Nuclear Plant Unit 1	<b>2. DOCKET NUMBER</b> 05000266	<b>3. PAGE</b> 1 OF 2
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**4. TITLE**  
Unit 1 Automatic Reactor Trip

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
11	28	2015	2015	006	00	12	16	2015	NA	NA
									FACILITY NAME	DOCKET NUMBER
									NA	NA

<b>9. OPERATING MODE</b>	<b>11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check all that apply)</b>									
MODE 1	<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)						
	<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)						
<b>10. POWER LEVEL</b>	<input type="checkbox"/> 20.2203(a)(2)(ii)	<input type="checkbox"/> 50.36(c)(1)(ii)(A)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)(A)	<input type="checkbox"/> 50.73(a)(2)(x)						
100%	<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 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**

FACILITY NAME Thomas P. Schneider, Senior Licensing Engineer	TELEPHONE NUMBER (Include Area Code) 920-755-7797
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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
B	EL	TD	C770	Y	NA	NA	NA	NA	NA

<b>14. SUPPLEMENTAL REPORT EXPECTED</b>	<b>15. EXPECTED SUBMISSION DATE</b>	MONTH	DAY	YEAR
YES (If yes, complete 15. EXPECTED SUBMISSION DATE) X NO		NA	NA	NA

ABSTRACT (Limit to 1400 spaces i.e. approximately 15 single-spaced typewritten lines)  
 On November 28, 2015 with Unit 1 in MODE 1 at full power, an automatic reactor trip was actuated as the result of a failure of the main generator automatic voltage regulator (AVR). All control rods fully inserted into the core. The Auxiliary Feedwater Pumps started as expected on low steam generator level. The Auxiliary Feedwater system was secured and decay heat removal was provided by the Condenser Steam Dumps utilizing the Main Feedwater system.

This event is being reported pursuant to 10 CFR 50.73(a)(2)(iv)(A) for the automatic actuation of the reactor protection system.