



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

June 8, 2017

Mr. Robert Coffey  
Site Vice President  
NextEra Energy Point Beach, LLC  
6610 Nuclear Road  
Two Rivers, WI 54241

SUBJECT: POINT BEACH NUCLEAR PLANT, UNIT 1 – REVIEW OF THE  
SPRING 2016 STEAM GENERATOR TUBE INSPECTIONS DURING  
REFUELING OUTAGE 36 (CAC NO. MF8401)

Dear Mr. Coffey:

By letter dated September 20, 2016 (Agencywide Documents Access Management System (ADAMS) Accession No. ML16264A202), and supplemented by letter dated February 23, 2017 (ADAMS Accession No. ML17054C310), NextEra Energy Point Beach, LLC (the licensee), submitted information to U.S. Nuclear Regulatory Commission (NRC), summarizing the results of their steam generator tube inspections performed during the spring 2016 refueling outage at Point Beach Nuclear Plant, Unit 1.

The NRC staff has completed its review of this report and concludes that the licensee provided the information required by their technical specifications. No additional follow up is required at this time. The staff's review is enclosed.

If you have any questions concerning this matter, please contact me at (301) 415-8371 or via e-mail at [Mahesh.Chawla@nrc.gov](mailto:Mahesh.Chawla@nrc.gov).

Sincerely,

A handwritten signature in black ink that reads "Chawla" in a cursive style.

Mahesh Chawla, Project Manager  
Plant Licensing Branch III  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-266

Enclosure:  
Staff Assessment

cc w/encl: Distribution via ListServ

STAFF ASSESSMENT BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
REVIEW OF THE SPRING 2016 STEAM GENERATOR TUBE INSPECTION REPORT

NEXTERA ENERGY POINT BEACH, LLC

POINT BEACH NUCLEAR PLANT, UNIT 1

DOCKET NO. 50-266

By letter dated September 20, 2016 (Agencywide Documents Access Management System (ADAMS) Accession No. ML16264A202), and supplemented by letter dated February 23, 2017 (ADAMS Accession No. ML17054C310), NextEra Energy Point Beach, LLC (the licensee), submitted information summarizing the results of their steam generator (SG) tube inspections performed during the spring 2016 refueling outage (RFO) at Point Beach Nuclear Plant (Point Beach), Unit 1.

Point Beach, Unit 1, has two Westinghouse 44F SGs each containing 3,214 thermally-treated Alloy 600 tubes. These SGs were installed during RFO 11 in 1983. The tubes have a nominal outside diameter of 0.875 inches, a nominal wall thickness of 0.050 inches. The tubes are supported by six stainless steel tube support plates and a baffle plate. The tube support plate holes are quatrefoil shaped. The U-bend region of the tubes in rows 1 through 8 was stress relieved after bending.

The licensee provided the scope, extent, methods, and results of their SG tube inspections in the documents referenced above. In addition, the licensee described corrective actions (i.e., tube plugging) taken in response to the inspection findings. The tubes in both SGs A and B were inspected this outage.

After reviewing the information provided by the licensee, the U.S. Nuclear Regulatory Commission (NRC) staff has the following comments/observations:

- Discoloration was observed inside the channel head near the primary manway during previous inspections in RFO 30 and RFO 34. The licensee stated that no rust coloration was observed during RFO 36.
- The licensee stated that the combined primary-to-secondary leak rate from both SGs is in the range of 0.0 to 0.4 gallons per day (compared with the 150 gallons per day operational leakage limit) and that the operational leakage remains at a constant low level and was evident prior to the spring 1991 outage.

Based on a review of the information provided, the NRC staff concludes that the licensee provided the information required by their technical specifications. In addition, the staff concludes that there are no technical issues that warrant follow-up action at this time since the inspections appear to be consistent with the objective of detecting potential tube degradation and the inspection results appear to be consistent with industry operating experience at similarly designed and operated units.

Enclosure

SUBJECT: POINT BEACH NUCLEAR PLANT, UNIT 1 – REVIEW OF THE  
SPRING 2016 STEAM GENERATOR TUBE INSPECTIONS DURING  
REFUELING OUTAGE 36 (CAC NO. MF8401) DATED JUNE 8, 2017

**DISTRIBUTION:**

PUBLIC  
LPL3-1 r/f  
RidsNrrDorLpl3-1Resource  
RidsNrrPMPPointBeach Resource  
RidsOgcRp Resource  
RidsNrrDeESGB Resource  
AHuynh, NRR  
RidsAcrcs\_MailCTR Resource  
RidsNrrDorIDpr Resource  
RidsRgn3MailCenter Resource  
RidsNrrLASRohrer Resource

**ADAMS Accession No.: ML17159A499**

**\* Via Memorandum**

OFFICE	DORL/LPL3-1/PM	DORL/LPL3-1/LA	DE/ESGB/BC(A)*	DORL/LPL3-1/BC
NAME	MChawla	SRohrer	AJohnson	DWrona
DATE	06/08/17	06/08/17	5/22/17	06/08/17

**OFFICIAL RECORD COPY**