



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II**  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

September 1, 2015

Mr. Mano Nazar  
President and Chief Nuclear Officer  
Nuclear Division  
NextEra Energy  
P. O. Box 14000  
Juno Beach, FL 33408-0420

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR TURKEY POINT NUCLEAR  
GENERATING UNIT 3 AND UNIT 4 (REPORT 05000250/2015005 AND  
05000251/2015005)**

Dear Mr. Nazar:

On August 12, 2015, the NRC completed its mid-cycle performance review of Turkey Point Nuclear Generating Unit 3 and Unit 4. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2014 through June 30, 2015. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Turkey Point Nuclear Generating Unit 3 and Unit 4 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Turkey Point Nuclear Generating Unit 3 and Unit 4 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the second half of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events." This Order requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent

Fuel Pool Instrumentation,” which requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations.

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) 2.390 of the NRC’s “Agency Rules of Practice and Procedure,” a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC’s document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (404) 997-4539 with any questions you have regarding this letter.

Sincerely,

*/RA/*

LaDonna B. Suggs, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

Docket Nos.: 50-250, 50-251  
License Nos.: DPR-31, DPR-41

Enclosure:  
Turkey Point Inspection/Activity Plan  
(07/01/2015 – 06/30/2017)

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PUBLICLY AVAILABLE     NON-PUBLICLY AVAILABLE                       SENSITIVE     NON-SENSITIVE  
ADAMS:  Yes    ACCESSION NUMBER: ML15244B093  SUNSI REVIEW COMPLETE  FORM 665 ATTACHED

OFFICE	DRP:RII	DRP:RII				
SIGNATURE	REW1	LJB4				
NAME	RWilliams	LSuggs				
DATE	8/24/2015	8/25/2015				
E-MAIL COPY?	YES NO	YES NO				

Letter to Mano Nazar from LaDonna B. Suggs dated September 1, 2015.

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR TURKEY POINT NUCLEAR  
GENERATING UNIT 3 AND UNIT 4 (REPORT 05000250/2015005 AND  
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L. Gibson, RII

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RidsNrrPMTurkeyPoint Resource

ROP Assessment

Institute of Nuclear Power Operations (INPO)

**Turkey Point**  
**Inspection / Activity Plan**  
**09/01/2015 - 06/30/2017**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL RQ - REQUAL INSP</b>		<b>2</b>
3,4	08/31/2015	09/04/2015	IP 7111111B	Licensed Operator Requalification Program	
			<b>ISI - UNIT 3 IN-SERVICE INSPECTION</b>		<b>1</b>
3	10/26/2015	10/30/2015	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>RP - RP OCCUPATIONAL BASELINE WEEK 1</b>		<b>3</b>
3,4	11/02/2015	11/06/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3,4	11/02/2015	11/06/2015	IP 71124.02	Occupational ALARA Planning and Controls	
3,4	11/02/2015	11/06/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3,4	11/02/2015	11/06/2015	IP 71124.04	Occupational Dose Assessment	
3,4	11/02/2015	11/06/2015	IP 71124.05	Radiation Monitoring Instrumentation	
3,4	11/02/2015	11/06/2015	IP 71151	Performance Indicator Verification	
			<b>RP - RP OCCUPATIONAL BASELINE WEEK 2</b>		<b>2</b>
3,4	11/16/2015	11/20/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3,4	11/16/2015	11/20/2015	IP 71124.02	Occupational ALARA Planning and Controls	
3,4	11/16/2015	11/20/2015	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3,4	11/16/2015	11/20/2015	IP 71124.04	Occupational Dose Assessment	
3,4	11/16/2015	11/20/2015	IP 71124.05	Radiation Monitoring Instrumentation	
3,4	11/16/2015	11/20/2015	IP 71151	Performance Indicator Verification	
			<b>EP - EP PROGRAM INSPECTION</b>		<b>2</b>
3,4	01/11/2016	01/15/2016	IP 7111402	Alert and Notification System Testing	
3,4	01/11/2016	01/15/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
3,4	01/11/2016	01/15/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3,4	01/11/2016	01/15/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3,4	01/11/2016	01/15/2016	IP 71151	Performance Indicator Verification	
			<b>ISI - UNIT 4 IN-SERVICE INSPECTION</b>		<b>1</b>
4	04/04/2016	04/08/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>SGISI - UNIT 4 SG IN-SERVICE INSPECTION</b>		<b>1</b>
4	04/11/2016	04/15/2016	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>RP - RAD HAZARDS ANALYSIS AND TRANSPORTATION</b>		<b>2</b>
3,4	04/18/2016	04/22/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3,4	04/18/2016	04/22/2016	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>HS - TRIENNIAL HEAT SINK PERFORMANCE</b>		<b>1</b>
3,4	07/18/2016	07/22/2016	IP 7111107T	Heat Sink Performance	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

Enclosure

**Turkey Point**  
**Inspection / Activity Plan**  
**09/01/2015 - 06/30/2017**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL EXAM - INITIAL LICENSE EXAM PREP</b>		<b>3</b>
3	07/25/2016	07/29/2016	V23476	TURKEY POINT AUGUST 2016 INITIAL EXAM AT POWER FACILITIES	
			<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>4</b>
3,4	08/08/2016	08/12/2016	IP 71152B	Problem Identification and Resolution	
3,4	08/22/2016	08/26/2016	IP 71152B	Problem Identification and Resolution	
			<b>OL EXAM - INITIAL LICENSE EXAM</b>		<b>3</b>
3	08/22/2016	09/02/2016	V23476	TURKEY POINT AUGUST 2016 INITIAL EXAM AT POWER FACILITIES	
			<b>TFPI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>
3,4	10/31/2016	11/04/2016	IP 7111105T	Fire Protection [Triennial]	
3,4	11/14/2016	11/18/2016	IP 7111105T	Fire Protection [Triennial]	
			<b>RP - RP PUBLIC RAD SAFETY BASELINE</b>		<b>2</b>
3,4	12/05/2016	12/09/2016	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
3,4	12/05/2016	12/09/2016	IP 71124.07	Radiological Environmental Monitoring Program	
3,4	12/05/2016	12/09/2016	IP 71151	Performance Indicator Verification	
			<b>EP - EP EXERCISE</b>		<b>6</b>
3,4	02/20/2017	02/24/2017	IP 7111401	Exercise Evaluation	
3,4	02/20/2017	02/24/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3,4	02/20/2017	02/24/2017	IP 7111408	Exercise Evaluation – Scenario Review	
3,4	02/20/2017	02/24/2017	IP 71151	Performance Indicator Verification	
			<b>CDBI - COMPONENT DESIGN BASIS INSPECTION</b>		<b>7</b>
3,4	06/26/2017	06/30/2017	IP 7111121	Component Design Bases Inspection	

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Enclosure