



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II**

245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

August 31, 2016

Mano Nazar, President, Nuclear Division and CNO
Florida Power & Light Co.
Mail Stop: NT3/JW
15430 Endeavor Drive
Jupiter, FL 33478

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR TURKEY POINT NUCLEAR
GENERATING STATION UNIT 3 AND UNIT 4 – NRC INSPECTION REPORT
05000250/2016005 AND 05000251/2016005**

Dear Mr. Nazar:

On August 9, 2016, the Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Turkey Point Nuclear Generating Station 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, 2015 through June 30, 2016. 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 Station 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, 2018. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the second half of the inspection schedule 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," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." The NRC conducted audits of licensee efforts towards compliance with these Orders, and the information gathered will aid staff in

development of the ultimate Safety Evaluation for the site. After the NRC staff receives the Final Compliance letter for the site, the Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

In Staff Requirements Memorandum – SECY 16-0009, "Recommendations Resulting from the Integrated Prioritization and Re-Baselining of Agency Activities," the Commission approved the NRC staff recommendation to discontinue the formal mid-cycle assessment process beginning in calendar year 2017. This will be the final mid-cycle assessment letter. The staff will continue to conduct quarterly assessment meetings and communicate changes in the assessment of licensee performance in accordance with the guidance in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program."

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," 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
(09/01/2016 – 06/30/2018)

cc: Distribution via Listserv

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PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE NON-SENSITIVE
 ADAMS: Yes ACCESSION NUMBER: ML16244A285 SUNSI REVIEW COMPLETE FORM 665 ATTACHED

| | | | | | | |
|--------------|-----------|-----------|--|--|--|--|
| OFFICE | RII:DRP | RII:DRP | | | | |
| SIGNATURE | LFP1 | LJB4 | | | | |
| NAME | LPressley | LSuggs | | | | |
| DATE | 8/25/2016 | 8/29/2016 | | | | |
| E-MAIL COPY? | YES NO | YES NO | | | | |

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP NEW\RPB7\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2016\ADMIN WORKING FOLDER\LETTERS\TP MID-CYCLE ASSESSMENT LETTER 2016.DOCX

Letter to Mano Nazar from LaDonna B. Suggs dated August 31, 2016

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR TURKEY POINT NUCLEAR
GENERATING STATION UNIT 3 AND UNIT 4 – NRC INSPECTION REPORT
05000250/2016005 AND 05000251/2016005

DISTRIBUTION:

D. Gamberoni, RII

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RIDSNRRDIRS

PUBLIC

RidsNrrPMTurkeyPoint Resource

ROAssessment Resource

ROPreports Resource

Institute of Nuclear Power Operations (INPO)

Turkey Point
Inspection / Activity Plan
 09/01/2016 - 06/30/2018

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|--|---|----------------------|
| | Start | End | | | |
| | | | OL EXAM - INITIAL LICENSE EXAM | | 3 |
| 3 | 08/22/2016 | 09/02/2016 | V23476 | TURKEY POINT AUGUST 2016 INITIAL EXAM AT POWER FACILITIES | |
| | | | TFPI - TRIENNIAL FIRE PROTECTION INSPECTION | | 5 |
| 3,4 | 10/31/2016 | 11/04/2016 | IP 7111105T | Fire Protection [Triennial] | |
| 3,4 | 11/28/2016 | 12/02/2016 | IP 7111105T | Fire Protection [Triennial] | |
| | | | HS - TRIENNIAL HEAT SINK PERFORMANCE | | 1 |
| 3,4 | 11/28/2016 | 12/02/2016 | IP 7111107T | Heat Sink Performance | |
| | | | RP - RP PUBLIC RAD SAFETY BASELINE | | 2 |
| 3,4 | 12/12/2016 | 12/16/2016 | IP 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 3,4 | 12/12/2016 | 12/16/2016 | IP 71124.07 | Radiological Environmental Monitoring Program | |
| 3,4 | 12/12/2016 | 12/16/2016 | IP 71151 | Performance Indicator Verification | |
| | | | EP - EP EXERCISE | | 6 |
| 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 | |
| | | | ISI - UNIT 3 IN-SERVICE INSPECTION | | 1 |
| 3 | 04/03/2017 | 04/07/2017 | IP 7111108P | Inservice Inspection Activities - PWR | |
| | | | SGISI - UNIT 3 SG IN-SERVICE INSPECTION | | 1 |
| 3 | 04/10/2017 | 04/14/2017 | IP 7111108P | Inservice Inspection Activities - PWR | |
| | | | CDBI - COMPONENT DESIGN BASIS INSPECTION | | 7 |
| 3,4 | 06/26/2017 | 06/30/2017 | IP 7111121 | Component Design Bases Inspection | |
| 3,4 | 07/17/2017 | 07/21/2017 | IP 7111121 | Component Design Bases Inspection | |
| 3,4 | 07/31/2017 | 08/04/2017 | IP 7111121 | Component Design Bases Inspection | |
| 3,4 | 08/14/2017 | 08/18/2017 | IP 7111121 | Component Design Bases Inspection | |
| | | | OL RQ - REQUAL INSPECTION | | 2 |
| 3,4 | 09/18/2017 | 09/22/2017 | IP 7111111B | Licensed Operator Requalification Program | |
| | | | OL EXAM - INITIAL LICENSE EXAM PREP | | 3 |
| 3 | 09/25/2017 | 09/29/2017 | V23492 | TURKEY POINT/MAY2017 INITIAL EXAM AT POWER FACILITIES | |
| | | | ISI - UNIT 4 IN-SERVICE INSPECTION | | 1 |
| 4 | 10/09/2017 | 10/13/2017 | IP 7111108P | Inservice Inspection Activities - PWR | |
| | | | RP - RP OCCUPATIONAL INSPECTION WEEK 1 | | 3 |
| 3,4 | 10/16/2017 | 10/20/2017 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |

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
09/01/2016 - 06/30/2018

| Unit Number | Planned Dates | | Inspection Activity | Title | No. of Staff on Site |
|-------------|---------------|------------|--|--|----------------------|
| | Start | End | | | |
| | | | RP - RP OCCUPATIONAL INSPECTION WEEK 1 | | 3 |
| 3,4 | 10/16/2017 | 10/20/2017 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 3,4 | 10/16/2017 | 10/20/2017 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 3,4 | 10/16/2017 | 10/20/2017 | IP 71124.04 | Occupational Dose Assessment | |
| 3,4 | 10/16/2017 | 10/20/2017 | IP 71124.05 | Radiation Monitoring Instrumentation | |
| 3,4 | 10/16/2017 | 10/20/2017 | IP 71151 | Performance Indicator Verification | |
| | | | SGISI - UNIT 4 SG IN-SERVICE INSPECTION | | 1 |
| 4 | 10/16/2017 | 10/20/2017 | IP 7111108P | Inservice Inspection Activities - PWR | |
| | | | OL EXAM - INITIAL LICENSE EXAM | | 3 |
| 3 | 10/23/2017 | 11/10/2017 | V23492 | TURKEY POINT/MAY2017 INITIAL EXAM AT POWER FACILITIES | |
| | | | RP - RP OCCUPATIONAL INSPECTION WEEK 2 | | 2 |
| 3,4 | 11/13/2017 | 11/17/2017 | IP 71124.01 | Radiological Hazard Assessment and Exposure Controls | |
| 3,4 | 11/13/2017 | 11/17/2017 | IP 71124.02 | Occupational ALARA Planning and Controls | |
| 3,4 | 11/13/2017 | 11/17/2017 | IP 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation | |
| 3,4 | 11/13/2017 | 11/17/2017 | IP 71124.04 | Occupational Dose Assessment | |
| 3,4 | 11/13/2017 | 11/17/2017 | IP 71124.05 | Radiation Monitoring Instrumentation | |
| 3,4 | 11/13/2017 | 11/17/2017 | IP 71151 | Performance Indicator Verification | |
| | | | EP - EP PROGRAM INSPECTION | | 3 |
| 3,4 | 01/22/2018 | 01/26/2018 | IP 7111402 | Alert and Notification System Testing | |
| 3,4 | 01/22/2018 | 01/26/2018 | IP 7111403 | Emergency Preparedness Organization Staffing and Augmentation System | |
| 3,4 | 01/22/2018 | 01/26/2018 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | |
| 3,4 | 01/22/2018 | 01/26/2018 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | |
| 3,4 | 01/22/2018 | 01/26/2018 | IP 71151 | Performance Indicator Verification | |
| | | | RP - RP PUBLIC INSPECTION | | 2 |
| 3,4 | 01/29/2018 | 02/02/2018 | IP 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment | |
| 3,4 | 01/29/2018 | 02/02/2018 | IP 71124.07 | Radiological Environmental Monitoring Program | |
| 3,4 | 01/29/2018 | 02/02/2018 | IP 71151-OR01 | Occupational Exposure Control Effectiveness | |
| 3,4 | 01/29/2018 | 02/02/2018 | IP 71151-PR01 | RETS/ODCM Radiological Effluent Occurrences | |
| | | | MODS - PLANT MODIFICATIONS INSPECTION | | 3 |
| 3,4 | 01/29/2018 | 02/02/2018 | IP 7111117T | Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications | |
| 3,4 | 02/12/2018 | 02/16/2018 | IP 7111117T | Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications | |

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