



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

March 4, 2019

Mr. Mano Nazar
President and Chief Nuclear Officer
Nuclear Division
Florida Power & Light Co.
Mail Stop: EX/JB
700 Universe Blvd.
Juno Beach, FL 33408

SUBJECT: ANNUAL ASSESSMENT LETTER FOR ST. LUCIE NUCLEAR PLANT,
UNIT 1 AND UNIT 2 – REPORT 05000335/2018006 AND 05000389/2018006,
REPORT 05000335/2018402 AND 05000389/2018402,
REPORT 05000335/2018501 AND 05000389/2018501

Dear Mr. Nazar:

The Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance assessment of St. Lucie Nuclear Plant Unit 1 and Unit 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2018, through December 31, 2018. 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 concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at St. Lucie Nuclear Plant Unit 1 and Unit 2 during the most recent quarter, was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the 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 December 31, 2020. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. You should be aware that the agency has proposed changes regarding engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections") and is drafting proposed changes to the ROP for Commission consideration. Should the Commission approve changes to the ROP, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. The inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC is aware of the potential change to the date of the 2020 emergency preparedness exercise. Our inspection plan will be revised once the date has been confirmed. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact me at 404-997-4603 with any questions you have regarding this letter.

Sincerely,

/RA/

Randall A. Musser, Chief
Reactor Projects Branch 3
Division of Reactor Projects

Docket Nos.: 50-335, 50-389
License Nos.: DPR-67, NPF-16

Enclosure:
St Lucie Inspection/Activity Plan
(03/01/2019 – 12/31/2020)

cc Distribution via ListServ

M. Nazar

3

SUBJECT: ANNUAL ASSESSMENT LETTER FOR ST. LUCIE NUCLEAR PLANT,
UNIT 1 AND UNIT 2 – REPORT 05000335/2018006 AND 05000389/2018006,
REPORT 05000335/2018402 AND 05000389/2018402,
REPORT 05000335/2018501 AND 05000389/2018501 March 4, 2019

DISTRIBUTION:

M. Kowal, RII

OE MAIL

RIDSNNRRDIRS

PUBLIC

RidsNrrPMStLucie Resource

ROPassessment.Resource

ROPreports Resource

Institute of Nuclear Power Operations (INPO)

ADAMS Accession No. ML19063A882

OFFICE	RII:DRP	RII:DRP	RII:DRP		
NAME	RTaylor	AWilson	RMusser		
DATA	2/26/2019	2/26/2019	2/27/2019		

OFFICAL RECORD COPY

IP 22 Inspection Activity Plan Report

Saint Lucie

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
DESIGN BASES ASSURANCE INSPECTION (TEAM)						6
1, 2	03/04/2019	03/08/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
ST LUCIE INITIAL LICENSE EXAM						4
1, 2	03/18/2019	03/29/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
SECURITY BASELINE INSPECTION						3
1, 2	05/13/2019	05/17/2019	IP 71130.02	000734	Access Control	
1, 2	05/13/2019	05/17/2019	IP 71130.05	000737	Protective Strategy Evaluation	
1, 2	05/13/2019	05/17/2019	IP 71151	001338	Performance Indicator Verification	
NFPA 805 TRIENNIAL FIRE PROTECTION INSPECTION						4
1, 2	06/17/2019	06/21/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
1, 2	07/08/2019	07/12/2019	IP 71111.05XT	000697	Fire Protection - NFPA 805 (Triennial)	
Cyber Security						4
1, 2	07/15/2019	07/19/2019	IP 71130.10P	000741	Cyber Security	
1, 2	07/29/2019	08/02/2019	IP 71130.10P	000741	Cyber Security	
TRIENNIAL HEAT SINK PERFORMANCE						1
1, 2	07/22/2019	07/26/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
UNIT 1 IN-SERVICE INSPECTION						1
1	09/09/2019	09/13/2019	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 1						2
1, 2	09/09/2019	09/13/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/09/2019	09/13/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	09/09/2019	09/13/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	09/09/2019	09/13/2019	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	09/09/2019	09/13/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2						3
1, 2	09/23/2019	09/27/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	09/23/2019	09/27/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	09/23/2019	09/27/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

Saint Lucie

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2						3
1, 2	09/23/2019	09/27/2019	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	09/23/2019	09/27/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
SAINT LUCIE REQUAL INSPECTION						2
1, 2	11/04/2019	11/08/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
EMERGENCY PREPAREDNESS EXERCISE						6
1, 2	01/05/2020	03/28/2020	IP 71114.08	000723	Exercise Evaluation □ Scenario Review	
1, 2	03/15/2020	03/28/2020	IP 71114.01	000716	Exercise Evaluation	
1, 2	03/15/2020	03/28/2020	IP 71151	001397	Performance Indicator Verification	
RP PUBLIC RAD SAFETY BASELINE INSPECTION						2
1, 2	01/27/2020	01/31/2020	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	01/27/2020	01/31/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	
UNIT 2 IN-SERVICE/SG IN-SERVICE/RVH						3
2	02/24/2020	02/28/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP OCCUPATIONAL RAD SAFETY RAD HAZARDS & TRANSPORTATION BASELINE INSPECTION						2
1, 2	02/24/2020	02/28/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/24/2020	02/28/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
SECURITY BASELINE INSPECTION						3
1, 2	05/04/2020	05/08/2020	IP 71130.02	000734	Access Control	
1, 2	05/04/2020	05/08/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	05/04/2020	05/08/2020	IP 71130.07	000739	Security Training	
1, 2	05/04/2020	05/08/2020	IP 71151	001338	Performance Indicator Verification	
TARGET SET						2
1, 2	05/18/2020	05/22/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
PROBLEM IDENTIFICATION AND RESOLUTION						4
1, 2	06/01/2020	06/05/2020	IP 71152B	000747	Problem Identification and Resolution	
1, 2	06/15/2020	06/19/2020	IP 71152B	000747	Problem Identification and Resolution	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

Saint Lucie

03/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
FORCE-ON-FORCE PLANNING AND EXERCISE						6
1, 2	09/28/2020	10/02/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	10/19/2020	10/23/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
EVALUATIONS OF CHANGES, TESTS, AND EXPERIMENTS						3
1, 2	11/16/2020	11/20/2020	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	