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

August 21, 2014

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

SUBJECT: TURKEY POINT NUCLEAR PLANT - NOTIFICATION OF INSPECTION AND REQUEST FOR INFORMATION

Dear Mr. Nazar:

On October 6 – 10, 2014, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline radiation safety Inspection at your Turkey Point site (NRC Inspection Procedures 71124.01 and 71124.08).

Experience has shown that this inspection is resource-intensive for both the NRC inspectors and your staff. In order to minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this activity. It is important that all of these documents are up-to-date and complete, thereby minimizing the number of additional documents requested during the preparation and/or the onsite portions of the inspection. The inspector has requested that the subject informational material be provided in CD format on or before September 25, 2014.

We have discussed the schedule for these inspection activities with your staff, and understand that our regulatory contact for this inspection will be Ms. Stavroula Mihalake of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, William Pursley at 404-997-4517, or the Chief of Plant Support Branch 1, Brian Bonser at 404-997-4653.

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, and its Enclosure, will be available electronically for public inspection in the NRC Public Document Room, or from the Publicly Available Records (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at http://www.nrc.gov/ reading-rm/adams.html (the Public Electronic Reading Room).

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection

requirements were approved by the Office of Management and Budget under control numbers 3150-0044, 3150-0014, 3150-0011, and 3150-0008. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

Sincerely,

/RA/

Brian Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Dockets Nos. 50-250 and 50-251
License Nos. DPR-31 and DPR-41

Enclosure:
Public Occupational Radiation Safety
Cornerstone Inspection Information
Request

cc: Distribution via Listserv

requirements were approved by the Office of Management and Budget under control numbers 3150-0044, 3150-0014, 3150-0011, and 3150-0008. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

Sincerely,

/RA/

Brian Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Dockets Nos. 50-250 and 50-251
License Nos. DPR-31 and DPR-41

Enclosure:
Public Occupational Radiation Safety
Cornerstone Inspection Information
Request

cc: Distribution via Listserv

DISTRIBUTION:
D. Rich, RII, DRP
S. Sandal, RII, SR PE
M. Riches, RII, PE
T. Hoeg, RII, SRI
M. Endress, RII, RI
D. Mas, RII, Temp RI
S. Price, RII, EICS
L. Douglas, RII, EICS
RIDSNRRDIRS
PUBLIC

☒ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☒ NON-SENSITIVE

ADAMS: ☒ Yes ACCESSION NUMBER: ML14234A011 ☒ SUNSI REVIEW COMPLETE ☒ FORM 665 ATTACHED

OFFICE	RII:DRS/PSB1	RII:DRS/PSB1					
SIGNATURE	WSP1 via e-mail	BRB1					
NAME	W. Pursley	B. Bonser					
DATE	8/ 21 /2014	8/ 21 /2014					
E-MAIL COPY	**YES** NO	**YES** NO					

OFFICIAL RECORD COPY

PUBLIC AND OCCUPATIONAL RADIATION SAFETY CORNERSTONE INSPECTION INFORMATION REQUEST

SITE: Plant Turkey Point	05000250 and 05000251/2014005
DOCUMENTS DUE TO REGION II BY:	September 25, 2014
INSPECTION DATES:	October 6 -10, 2014
NRC INSPECTORS:	William Pursley, william.pursley@nrc.gov 404-997-4517 Jonathan Rivera, jonathan.rivera@nrc.gov 404-997-4646

IDENTIFIED LICENSEE CONTACTS:

Radiation Protection: Cynthia Cashwell (Radiation Protection Manager) 305-246-1631, or Bill Hinson 305-246-6012
Transportation: Andrew Snyder 305-246-6418
Licensing/Compliance: Stavroula Mihalakea 305-246-6454

Inspection Procedures (IPs):	IP 71124.01	Radiological Hazards
	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation

Note: This is a broad list of the documents the NRC inspectors will be interested in obtaining and reviewing prior to the onsite inspection visit. The current version of these documents is expected unless specified otherwise. Electronic media is preferred, if readily available. (The preferred file format is Word or searchable "pdf" files on CDROM. Please provide two copies of each electronic media device submitted.) Information in the "document lists" should contain enough information to be easily understood by someone who has a knowledge of the subject. The lead inspector can answer questions regarding questions on specific information needs with licensee staff and may request additional documents.

General Information Needed

1. List of primary contacts for each inspection area with phone numbers.
2. Corrective Action Program (CAP) procedures.
3. Process Control Program.
4. Current Part 61 Analysis Results for Dry Active Waste (DAW).
5. Outage schedule of major activities (Gantt chart if available).
6. Audits and self-assessments of the radiation protection program performed since January 1, 2013.

71124.01: Radiological Hazard Assessment and Exposure Controls

1. List of radiation work permits (RWPs) for the upcoming refueling outage.
2. Plant maps of all Locked High Radiation Areas (LHRAs) and Very High Radiation Areas (VHRAs). Include areas with the potential to become an LHRA during routine operations or outages.
3. Procedures related to health physics (HP) controls (e.g., Posting, labeling, surveys, RWPs, contamination control, HRA/LHRA/VHRA control, key control, control of divers, special controls during fuel offload, hot spots, etc).
4. List of the five most exposure-significant work tasks within radiation areas, HRAs (<1R/hr), LHRAs, or airborne radioactivity areas in the plant. This may include areas with low dose rates but high collective dose. Identify any HRAs with significant dose gradients (factor of five or more), including underwater diving activities.
5. Procedures related to release of personnel and materials (e.g., release surveys, decontamination, guidance for electronic dosimetry alarm followup, etc.).
6. List of nationally tracked sources, any condition reports (CRs) written in regard to these sources since August 1, 2013, change-of-ownership transactions for these, and a copy of the 2014 Annual Confirmation of Inventory submittal.
7. List of all non-fuel items stored in spent fuel pool (SFP).
8. A list of CRs related to HP controls since August 1, 2013. *[This should be a list of corrective action documents containing a CR number and brief description, not full CRs.]*

71224.08: Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation

1. Site and corporate procedures associated with radioactive waste processing and handling, storage, and transportation of radioactive material (RAM), including:
   a. Storage and handling of RAM including non-radiological controlled areas (RCA) and satellite RCA locations.
   b. Waste stream mixing, sampling, concentration averaging, and use of scaling factors for hard to detect nuclides.
   c. Monitoring impact of long-term storage (e.g., buildup of gases produced by waste decomposition, chemical reactions, container deformation, loss of container integrity, re-release of free-flowing water).
   d. Transferring of resin and/or sludge into shipping/disposal containers; dewatering and waste stabilization.
   e. Preparing packages and documentation for shipping RAMs.
   f. List of RAM storage areas, including satellite RCAs.
   g. Process Control Program.
2. List of changes to the radioactive waste processing systems since December 1, 2012, and copies of the associated 50.59 screening documentation.
3. Log of RAM shipments (LSA I, II, IIII; SCO I, II, Type A, or Type B) since December 1, 2012. (The inspectors will select 3 – 5 packages to review in detail.)
4. List of CRs generated since December 1, 2012, related to radioactive solid waste processing and packaging, handling, storage, and shipping of RAMs. *[This should be a list of corrective action documents containing a CR number and brief description, not full CRs.]*

Assistance Requested During Onsite Inspection

- An operator to accompany inspectors on walkdown of your current radwaste processing system. An HP specialist to interface with an inspector regarding any shipments or receipts of RAM during the onsite inspection.
- An HP specialist to accompany inspector on tour of containment and auxiliary building wallkdowns.

Inspector Contact Information:

William Pursley
404-997-4517
mail to: William.Purlsey@nrc.gov

Mailing Address

US Nuclear Regulatory Commission,
Region II
ATTN: Mr. William Pursley
245 Peachtree Center Ave., NE
Suite 1200
Atlanta, GA 30303

LIST OF ACRONYMS

CAP	Corrective Action Program
CRs	Condition Reports
DAW	Dry Active Waste
HP	Health Physics
HRAs	High Radiation Areas
IP	Inspection Procedure
LHRA	Locked High Radiation Area
RAMs	Radioactive Materials
RCAs	Radiological Controlled Areas
RPM	Radiation Protection Manager
RWPs	Radiation Work Permits
SFP	Spent Fuel Pool
VHRAs	Very High Radiation Areas