



RESPONSE TO FREEDOM OF INFORMATION ACT (FOIA) REQUEST

2017-0113

1

RESPONSE TYPE

INTERIM

FINAL

REQUESTER:

Andrew DeSalvo

DATE:

NOV 01 2016

DESCRIPTION OF REQUESTED RECORDS:

Turkey Point Nuclear Plant - Notification of Inspection and Request for Information ADAMS Accession Number ML16187A399

PART I. -- INFORMATION RELEASED

- Agency records subject to the request are already available in public ADAMS or on microfiche in the NRC Public Document Room.
- Agency records subject to the request are enclosed.
- Records subject to the request that contain information originated by or of interest to another Federal agency have been referred to that agency (see comments section) for a disclosure determination and direct response to you.
- We are continuing to process your request.
- See Comments.

PART I.A -- FEES

AMOUNT*

\$

*See Comments for details

You will be billed by NRC for the amount listed.

None. Minimum fee threshold not met.

You will receive a refund for the amount listed.

Fees waived.

PART I.B -- INFORMATION NOT LOCATED OR WITHHELD FROM DISCLOSURE

- We did not locate any agency records responsive to your request. *Note:* Agencies may treat three discrete categories of law enforcement and national security records as not subject to the FOIA ("exclusions"). 5 U.S.C. 552(c). This is a standard notification given to all requesters; it should not be taken to mean that any excluded records do, or do not, exist.
- We have withheld certain information pursuant to the FOIA exemptions described, and for the reasons stated, in Part II.
- Because this is an interim response to your request, you may not appeal at this time. We will notify you of your right to appeal any of the responses we have issued in response to your request when we issue our final determination.
- You may appeal this final determination within 30 calendar days of the date of this response by sending a letter or email to the FOIA Officer, at U.S. Nuclear Regulatory Commission, Washington, D.C. 20555-0001, or FOIA.Resource@nrc.gov. Please be sure to include on your letter or email that it is a "FOIA Appeal."

PART I.C COMMENTS (Use attached Comments continuation page if required)

In conformance with the FOIA Improvement Act of 2016, the NRC is informing you that: (1) you have the right to seek assistance from the NRC's FOIA Public Liaison.

SIGNATURE - FREEDOM OF INFORMATION ACT OFFICER

Stephanie Blaney, Acting FOIA Officer



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

July 5, 2016

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:

The NRC will perform the baseline heat sink (HS) inspection at the Turkey Point Nuclear Plant from November 28 – December 2, 2016. Experience has shown that this inspection is resource intensive both for 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 inspection. These documents have been divided into two groups. Section A of the enclosure identifies information to be provided prior to the inspection to ensure that the inspectors are adequately prepared. Section B of the enclosure identifies the information the inspectors will need upon arrival at the site. It is important that all of these documents are up-to-date and complete in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Paul Czaya of your organization. Our inspection dates are subject to change based on your updated schedule of activities. If there are any questions about this inspection or the material requested, please contact the lead inspector, Abhijit Sengupta at 404-997-4430, or Abhijit.Sengupta@nrc.gov.

In accordance with Title 10 of the Code of Federal Regulations 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Agency Rules of Practice and Procedure," 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 the NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Shakur A. Walker, Chief
Engineering Branch 3
Division of Reactor Safety

Docket No. 50-250, 50-251
License No. DPR-31, DPR -41

Enclosure:
Heat Sink Performance Document Request

cc: Distribution via Listserv

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Sincerely,

/RA/

Shakur A. Walker, Chief
Engineering Branch 3
Division of Reactor Safety

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License No. DPR-31, DPR -41

Enclosure:
Heat Sink Performance Document Request

cc: Distribution via Listserv

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

OFFICE	RII:DRS	RII:DRS					
SIGNATURE	AXS2	SAW4					
NAME	A.Sengupta	SWALKER					
DATE	7/5/2016	7/5/2016	7/ /2016	7/ /2016	7/ /2016	7/ /2016	7/ /2016
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRS\ENG BRANCH 3\INSPECTIONS\WORKING DOCUMENTS\RFIS\HEAT SINK REQUEST FOR INFORMATION LETTERS\2016\TURKEY POINT HEAT SINK RFI 2016004 - AS.DOCX

HEAT SINK PERFORMANCE DOCUMENT REQUEST

Site: Turkey Point Nuclear Plant
Docket Nos.: 50-250, 50-251
Inspection Dates: November 28 – December 2, 2016
Entrance Meeting: November 28, 2016
Inspection Procedures: IP 71111.07, "Heat Sink Performance," dated 07/06/2010
Inspectors: Abhijit Sengupta, Reactor Inspector (Lead Inspector)

A. Information Requested for the In-Office Preparation Week

Please provide the information requested in this section to the NRC Region II Office in care of the lead inspector by October 28, 2016, in order to facilitate the selection of specific items that will be reviewed during the onsite inspection week. The information can be provided in hard copy or electronic format; however, electronic format is preferred, either by digital data storage device (e.g. compact disk), or web-based document management system. If you have any questions regarding this information request, please call the lead inspector as soon as possible.

A.1 Heat Exchangers and Service Water Equipment

- a) List of heat exchangers (HXs) or equipment cooled by service water (SW) directly or indirectly
 - Include the risk ranking from the site specific risk assessment for each listed HX
 - Detail whether any cleaning or inspection activities are planned during the proposed onsite inspection period for any of the listed HXs
 - For HXs directly cooled by SW, provide the testing, inspection, maintenance, and monitoring of biotic fouling and macrofouling program documents
- b) Detail the HX performance inspection methods for HXs that are inspected/cleaned
- c) Response to Generic Letter 89-13 including any regulatory commitments made
- d) Design Basis documents associated with the SW system
- e) Design Basis documents associated with the Ultimate Heat Sink (UHS)
- f) SW system flow diagrams
- g) Recent Health Reports associated with the SW System and systems that are cooled by SW

Enclosure

- h) List of SW system related corrective action documents (with a brief description) which have received a Root Cause Analysis or an elevated severity level in the last three years
- i) Recent Operating Experience Events (2013-2016)
- j) List of applicable Codes and Industry Guidelines
- k) List of findings in the heat sink/heat exchanger performance area for the last 3 years
- l) List of redundant or infrequently used HXs
- m) Chemistry Program for safety-related HXs.
- n) Detail whether the UHS is above ground encapsulated by embankments, weirs or excavated side slopes; underwater weir or excavation; or forced draft cooling tower or spray pond
- o) Provide a list of buried or inaccessible piping and the piping test program, inspection or monitoring program
- p) List of safety-related and non-safety related valve interfaces

B. Information to be provided on-site to the inspector at the entrance meeting (November 28, 2016):

B.1 Heat Exchangers and Service Water Equipment

The inspector will select two to four heat exchangers and/or heat sink samples as required by the inspection procedure during the in-office preparation. The following items will be requested when the selections are made:

- a) Updated list of System Engineers
- b) List of any thru-wall leaks including completed or planned corrective actions and structural evaluations
- c) Provide a copy of the corrective actions and supporting documentation
- d) For the HXs that have Visual and/or Eddy Current Testing performed, provide a copy of the examination records, examiner qualification records, and associated corrective action documents
- e) Heat transfer calculations
- f) Evaluations for the potential of water hammer
- g) Documentation for controls and operational limits for excessive flow induced vibrations
- h) Periodic flow test results at/or near maximum design flow

- i) For an UHS that is encapsulated by embankments, weirs of excavated side slopes provide: (1) third party dam inspection results, and (2) documentation showing that there is sufficient reservoir capacity
- j) For an UHS that is an underwater weir or excavation provide documentation showing:
- Periodic monitoring and trending of sediment build-up
 - Sufficient reservoir capacity
 - Considerations for adjacent non-seismic and/or non-safety related structures of possible degradation or blocking of safety-related flow paths due to severe weather or seismic events
 - Performance monitoring of heat transfer capabilities
 - Performance monitoring of UHS structural integrity
 - SW flow balance test results

Inspector Contact Information:

Abhijit Sengupta
Reactor Inspector
Engineering Branch 3
Division of Reactor Safety
404-997-44304
Abhijit.Sengupta@nrc.gov

Mailing Address:

US NRC Region 2
Attn: Abhijit Sengupta
Marquis One Tower
245 Peachtree Center Avenue, Suite 1200
Atlanta, GA 30303Atlanta

Dear FOIA Requester:

The FOIA Improvement Act of 2016, which was enacted on June 30, 2016, made several changes to the Freedom of Information Act (FOIA). Federal agencies must revise their FOIA regulations to reflect those changes by December 27, 2016. In addition to revising our regulations, we intend to update the Form 464, which we use to respond to FOIA requests.

In the interim, please see the comment box in Part I.C of the attached Form 464. The comment box includes information related to the recent changes to FOIA that is applicable to your FOIA request, including an updated time period for filing an administrative appeal with the NRC.

Sincerely yours,

Stephanie Blaney /S/

Stephanie Blaney
FOIA Officer (Acting)