

Downey, Steven

From: Downey, Steven
Sent: Tuesday, February 26, 2019 7:59 AM
To: barry.garber@dominionenergy.com
Subject: Request for Information for Surry License Renewal Inspection (Phase IV)
Attachments: SURRY License Renewal (Phase 4) 2019003 RFI.pdf

Barry,

Attached is the Information Request for the Phase IV License Renewal Inspection (IP 71003) at Surry Nuclear Station scheduled for the week of August 12 – 16, 2019. Please let me know that you received this request. If there are any questions about this inspection or the material requested, please contact me via email, or at the phone number or address included below.

Regards,

Steve

Steven Downey II, Ph.D.

Sr. Reactor Inspector | Region II - Engineering Branch 3

US Nuclear Regulatory Commission

245 Peachtree Center Ave. NE, Suite 1200 | Atlanta, GA 30303

☎404.997.4830 | ✉steven.downey@nrc.gov

"Success is no accident. It is hard work, perseverance, learning, studying, sacrifice, and most of all, love of what you are doing or learning to do."

SURRY NUCLEAR STATION – NOTIFICATION OF INSPECTION AND REQUEST FOR INFORMATION

From August 12 – August 16, 2019, the U.S. Nuclear Regulatory Commission (NRC) will perform a License Renewal Inspection at the Surry Nuclear Station in accordance with NRC inspection procedure 71003, “Post-Approval Site Inspection for License Renewal”.

Inspection insights suggest that this inspection will be resource-intensive for both the NRC inspectors and your staff. 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. Section A of the enclosure identifies information to be provided prior to the inspection to ensure adequate sample selection and preparation. Section B of the enclosure identifies additional information the inspectors will need upon arrival at the site to complete the review of inspection samples. The inspection staff will appreciate if all the documents requested 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 Barry Garber at (757)365-2725 of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, Steven Downey at 404-997-4830 or Steven.downey@nrc.gov.

In accordance with Title 10 of the Code of Federal Regulations 2.390, “Public Inspections, Exemptions, Requests for Withholding,” 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).

PAPERWORK REDUCTION ACT STATEMENT

This document 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 3150-0008, 3150-0011, 3150-0014, 3150-0044, and 3150-0135.

PUBLIC PROTECTION NOTIFICATION

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.

**Surry Nuclear Station
Initial Information Request**

Inspection Procedure: IP 71003, "Post-Approval Site Inspection for License Renewal" dated July 08, 2016

Inspection Dates: August 12-16, 2019 (on-site)

Docket Number(s): 05000280/281
Inspection Report: 2019003 (Quarterly Report)

Inspectors: Steven Downey, Senior Reactor Inspector
 Robert Carrion, Senior Reactor Inspector
 Robert Williams, Senior Reactor Inspector
 Fanta Sacko, Electrical Engineer (Trainee)

Please provide the information requested in this Section A to the NRC Region II Office in care of the lead inspector by May 24, 2019, in order to facilitate the selection of specific structures and components 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 or web-based document management system.

Using the information provided in Section A, the inspectors will select specific structures and/or components for review and then request additional documents needed for the onsite inspection week as described in Section B of this enclosure by July 24, 2019. The specific documents in Section B should be available and ready for review no later than the first day of the onsite inspection week. If there are any questions regarding this information request, please contact the lead inspector as soon as possible.

**A. Information Requested for each Aging Management Program (AMP) listed below
(As Applicable)**

The following AMPs have been selected for this inspection:

1. Augmented Inspection
2. Buried Piping and Valve Inspection
3. Chemistry Control Program for Primary Systems
4. Chemistry Control Program for Secondary Systems
5. Civil Engineering Structural Inspection
6. General Condition Monitoring
7. Non-EQ Cable Monitoring
8. Tank Inspection
9. Work Control Process

From the list above, please identify the AMPs where the results of one-time inspections concluded that no follow-up actions were required during the PEO. Please provide the information requested below for each AMP in hard copy or electronic (preferred) format to the lead inspector no later than May 24, 2019.

- (1) Provide a list of all newly identified SSCs that have been incorporated into the AMPs since entering the PEO.
- (2) Provide a list of commitment changes incorporated into the AMP since entering the PEO
- (3) Program basis documents and administrative procedures describing key program attributes such as program objectives, scope, detection and monitoring methods, administrative controls, acceptance criteria, corrective actions, and scope expansion requirements
- (4) Implementing procedures for program activities (e.g. visual examination procedures, ultrasonic examination procedures, maintenance procedures, system walkdowns, etc)
- (5) "Gap analyses" performed to assess the differences between the current AMP and the recommendations in the latest revision of NUREG-1801, "Generic Aging Lessons Learned (GALL)," and subsequent Interim Staff Guidance
- (6) Self-assessments performed after entering the PEO
- (7) Copy of evaluations performed for applicable external and internal operating experience (OE) issues associated with license renewal. This request is limited to OE items issued after entering the PEO.
- (8) Description of instances where examination scope expansion or additional inspections to determine extent of condition was required based on the initial examination of a SSC for license renewal. Please describe the logic to select the scope expansion, and any resulting changes to the AMP.
- (9) List of CAP documents (e.g., Condition Reports) associated with the implementation of the AMP. This includes unacceptable aging effects identified during the implementation of license renewal activities, and programmatic deficiencies requiring resolution since entering the PEO.

B. Information Requested for each License Renewal Structure, System and/or Component Selected for Review (As Applicable)

By July 24, 2019, the inspector(s) will select a sample of structures, systems, and/or components (as applicable) using the information provided in response to Section A of this enclosure. Please provide the information requested below in hard copy or electronic (preferred) format to the lead inspector at, or prior to, the entrance meeting.

For all AMPs, except the AMPs where the results of one-time inspections concluded that no follow-up actions were required during the PEO, provide the following, as applicable, for each license renewal structure, system, and/or component selected for review:

- (1) A walkdown schedule for all structures and components selected that are readily accessible at the time of the inspection.
- (2) The scope and frequency of activities (i.e. inspection, sampling, testing, etc) used to manage the aging of the item since entering the PEO.
- (3) Completed Work Orders (WOs) for the most recent aging management activities performed, including associated inspection and testing reports, as applicable. This request is limited to work performed in the PEO or last two inspections, whichever is greater.
- (4) Structure, system, or component specific evaluation for monitoring and trending of aging effects.
- (5) Description of instances where examination of the structure or component was eliminated or deferred.
- (6) Description of instances where examination scope changes were required based on limitations encountered during the examination.
- (7) Description of instances where examination scope changes were required based on results of the previous examination.
- (8) A list with a brief description of the aging related issues entered into the corrective action program since entering the PEO. For example, provide a list of condition reports based upon database searches using keywords related to aging related degradation of the component or structure selected such as: crack, corrosion, wear, thinning, leakage, thru-wall, rust.

For AMPs where the results of one-time inspections concluded that no follow-up actions were required during the PEO, provide the following for each structure or component selected for review:

- (1) A walkdown schedule for all structures and components that are accessible during the inspection.
- (2) A list with a brief description of the aging related issues entered into the corrective action program since entering the PEO. For example, provide a list of condition reports based upon database searches using keywords related to aging related degradation of the component or structure selected such as: crack, corrosion, wear, thinning, leakage, thru-wall, rust.

Inspector Contact Information:

Steven Downey
Reactor Inspector
404-997-4830

Steven.Downey@nrc.gov

Mailing Address:

USNRC Region 2
Attn: Steven Downey
Marquis One Tower
245 Peachtree Center Avenue NE
Suite 1200
Atlanta, GA 30303