



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

April 10, 2019

Mr. Charles Kharrl  
Southern Nuclear Operating Co., Inc.  
Joseph M. Farley Nuclear Plant  
7388 North State Highway 95  
Columbia, AL 36319

**SUBJECT: JOSEPH M. FARLEY NUCLEAR PLANT - INFORMATION REQUEST FOR  
THE "CYBER-SECURITY" BASELINE SECURITY INSPECTION,  
NOTIFICATION TO PERFORM INSPECTION 05000348/2019013;  
05000364/2019013**

Dear Mr. Kharrl:

On August 12, 2019, the U.S. Nuclear Regulatory Commission (NRC) will begin a baseline inspection in accordance with Inspection Procedure (IP) 71130.10P "Cyber-Security," Revision 0 at Farley Nuclear Plant, Units 1 and 2. The inspection will be performed to evaluate and verify your ability to meet the Milestone 8 (i.e., full implementation) requirements of the NRC's Cyber-Security Rule, Title 10, *Code of Federal Regulations* (CFR), Part 73, Section 54, "Protection of Digital Computer and Communication Systems and Networks." The onsite portion of the inspection will take place during the weeks of August 12, 2019, and August 26, 2019.

Experience has shown that baseline inspections are extremely resource intensive, both for the NRC inspectors and the licensee staff. In order to minimize the inspection impact on the site and to ensure a productive inspection for both parties, we have enclosed a request for documents needed for the inspection. These documents have been divided into four groups.

The first group specifies information necessary to assist the inspection team in choosing the focus areas (i.e., "sample set") to be inspected by the cyber-security IP. This information should be made available via secure site (i.e., Sharepoint, Certrec) no later than June 10, 2019. The inspection team will review this information and, by July 1, 2019, will request the specific items that should be provided for review.

The second group of additional requested documents will assist the inspection team in the evaluation of the critical systems and critical digital assets (CSs/CDAs), defensive architecture, and the areas of the licensee's CSP selected for the cyber-security inspection. This information will be requested for review via secure site (i.e., Sharepoint, Certrec) before July 15, 2019.

The third group of requested documents consists of those items that the inspection team will review, or need access to, during the inspection. Please have this information available by the first day of the onsite inspection, August 12, 2019.

The fourth group of information is necessary to aid the inspection team in tracking issues identified as a result of the inspection. It is requested that this information be provided to the lead inspector as the information is generated during the inspection. 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.

The lead inspector for this inspection is David Strickland. We understand that our regulatory contact for this inspection is Gene Surber of your organization. If there are any questions about the inspection or the material requested, please contact the lead inspector at 404-997-4440 or via e-mail at [David.Strickland@nrc.gov](mailto:David.Strickland@nrc.gov).

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, control number 3150-0011. 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.

In accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter and its enclosure will not be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents 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/**

Scott M. Shaeffer, Chief  
Engineering Branch 2  
Division of Reactor Safety

Docket Nos. 50-348; 50-364  
License Nos. NPF-2; NPF-8

Enclosure:  
Security Inspection Document Request

cc: See Page 3

C. Kharri

3

cc:

Cyneetha Evans

Site Security Manager

Joseph M. Farley Nuclear Plant

7388 North State Highway 95

Columbia, AL 36319

SUBJECT: FARLEY NUCLEAR PLANT (UNIT 1 AND UNIT 2) - INFORMATION REQUEST FOR THE "CYBER-SECURITY" BASELINE SECURITY INSPECTION, NOTIFICATION TO PERFORM INSPECTION 05000348/2019013; 05000364/2019013 dated April 10, 2019

**DISTRIBUTION:**

- D. Strickland, RII
- L. Jones, RII
- S. Shaeffer, RII
- A. Konkal, NSIR
- A. Prada, NSIR

\*See previous page for concurrence

PUBLICLY AVAILABLE     NON-PUBLICLY AVAILABLE     SENSITIVE     NON-SENSITIVE

ADAMS:  Yes    ACCESSION NUMBER: **ML 19100A007**  SUNSI REVIEW COMPLETE  FORM 665 ATTACHED

OFFICE	RII/DRS/EB2	RII/DRS/EB2				
SIGNATURE	DWS5	SMS				
NAME	D.STRICKLAND	S.SHAEFFER				
DATE	4/ 9 /2019	4/ 10 / 2019				
E-MAIL COPY?	YES NO	YES NO				

OFFICIAL RECORD COPY    DOCUMENT NAME: S:\DRS NEWENG BRANCH 2\CYBER INSPECTION REPORTS\CYBER - FARLEY\2019-013\FARLEY CYBER SECURITY RFI #1.DOCX

**Inspection Report:** 05000348/2019013; 05000364/2019013

**Inspection Dates:** Weeks of August 12, 2019, and August 26, 2019

**Inspection Procedure:** IP 71130.10P, "Cyber-Security," Revision 0

**Reference:** ML17156A215, "Guidance Document for Development of the Request for Information (RFI) and Notification Letter for Full-Implementation of the Cyber-Security Inspection," Revision 0

**NRC Inspectors:**

David Strickland, Lead 404-997-4440 <a href="mailto:David.Strickland@nrc.gov">David.Strickland@nrc.gov</a>	Larry Jones 404-997-4837 <a href="mailto:Larry.Jones@nrc.gov">Larry.Jones@nrc.gov</a>
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**NRC Contractors:**

Alan Konkala <a href="mailto:Alan.Konkala@nrc.gov">Alan.Konkala@nrc.gov</a>	Alexander Prada <a href="mailto:Alexander.Prada@nrc.gov">Alexander.Prada@nrc.gov</a>
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***I. Information Requested for In-Office Preparation***

The initial request for information (i.e., first RFI) concentrates on providing the inspection team with the general information necessary to select appropriate components and CSP elements to develop a site-specific inspection plan. The first RFI is used to identify the list of critical systems and critical digital assets (CSs/CDAs) plus operational and management (O&M) security control portions of the CSP to be chosen as the "sample set" required to be inspected by the cyber-security IP. The first RFI's requested information is specified below in Table RFI #1. The Table RFI #1 information is requested to be provided by, June 10, 2019 or sooner, to facilitate the selection of the specific items that will be reviewed during the onsite inspection weeks.

The inspection team will examine the returned documentation from the first RFI and identify/select specific systems and equipment (e.g., CSs/CDAs) to provide a more focused follow-up request to develop the second RFI. The inspection team will submit the specific systems and equipment list to your staff by July 1, 2019, which will identify the specific systems and equipment that will be utilized to evaluate the CSs/CDAs, defensive architecture, and the areas of the licensee's CSP selected for the cyber-security inspection. We request that the additional information provided from the second RFI be made available by July 15, 2019. All requests for information shall follow the guidance document ML17156A215 referenced above.

The required Table RFI 1 information shall be provided via secure site (i.e., Sharepoint, Certrec) by June 10, 2019. The preferred file format for all lists is object character recognition (OCR) readable or a searchable Excel spreadsheet file. These files should be indexed and hyper-linked to facilitate ease of use. If you have any questions regarding this information, please call the inspection team leader as soon as possible.

Table RFI #1	
Section 3, Paragraph Number/Title:	Items
1 List All Identified Critical Systems and Critical Digital Assets	All
2 List CDA Facility and Site Ethernet – Transmission Control Protocol/Internet Protocol (TCP/IP) based Local Area Networks (LANs) and identify those LAN's that have non-CDA's on them	All
3 List CDA facility and site non-ethernet TCP/IP based LANs including those industrial networks and identify LANs that have non-CDA's on them	All
4 Network Topology Diagrams (be sure to include all NIDS and SIEMs for EP networks and Security level 3 and 4 networks)	All
8 List all network security boundary devices for EP networks and all network security boundary devices for levels 3 and 4	All
9 List CDA wireless Industrial networks	All
11 Network intrusion detection system documentation for Critical Systems that have CDAs associated with them	(11.a.1) (11.a.)
12 Security Information and Event Management (SIEM) documentation for Critical systems that have CDAs associated with them	(12.a.1) (12.a.2)
14 List EP and Security onsite and offsite digital communication systems	All
25 Cyber-Security Assessment and Cyber-Security Incident Response Teams	All
28 Copy of Current Cyber Security Plan and copy of any 50.54(p) analysis to support changes to the plan	All

In addition to the above information please provide the following:

- (1) Electronic copy of the UFSAR and technical specifications.
- (2) Name(s) and phone numbers for the regulatory and technical contacts.

Based on this information, the inspection team will identify and select specific systems and equipment (e.g., CSs/CDAs) from the information requested by Table RFI #1 and submit a list of specific systems and equipment to your staff by July 1, 2019 for the second RFI (i.e., RFI #2).

**II. Additional Information Requested to be Available Prior to Inspection.**

As stated in *Section I* above, the inspection team will examine the returned documentation requested from Table RFI #1 and submit the list of specific systems and equipment to your staff by July 1, 2019 for the second RFI (i.e., RFI #2). The second RFI will request additional information required to evaluate the CSs/CDAs, defensive architecture, and the areas of the licensee's CSP selected for the cyber- security inspection. The additional information requested for the specific systems and equipment is identified in Table RFI #2. All requested information shall follow the guidance document ML17156A215 referenced above.

The Table RFI 2 information shall be provided on secure site (i.e., Sharepoint or Certrec) by July 15, 2019. The preferred file format for all lists is object character recognition (OCR) readable or a searchable Excel spreadsheet file. These files should be indexed and hyper-linked to facilitate ease of use. If you have any questions regarding this information, please call the inspection team leader as soon as possible.

Table RFI #2	
<b>Section 3, Paragraph Number/Title:</b>	<b>Items</b>
5 Plant Computer System Block Diagram (if Plant Computer System is selected for inspection)	All
6 Plant Security System Block Diagram (if Security Computer System is selected for inspection)	All
7 Systems that are distributed Block Diagrams (for systems selected for inspection)	All
10 Host-Based Intrusion Detection System Documentation (for CDAs for systems selected for inspection)	(10.a.1) (10.a.2)
13 List all Maintenance and Test Equipment (M&TE) used on CDAs for systems selected for inspection	All
15 Configuration Management	All
16 Supply Chain Management	(16.a) (16.b.1) (16.b.6) (16.b.5)

Table RFI #2	
<b>Section 3, Paragraph Number/Title:</b>	<b>Items</b>
17 Portable Media and Mobile Device Control	All
18 Software Management	All
20 Vendor Access and Monitoring	All
21 Work Control	All
22 Device Access and Key Control	All
23 Password/Authenticator Policy	All
24 User Account/Credential Policy	All
26 Corrective Actions since last NRC inspection	All
27 Cyber-Security Assessments for Selected Systems	All

***III. Information Requested to be Available on First Day of Inspection***

For the specific systems and equipment identified in *Section II* above, provide the following RFI (i.e., Table 1<sup>ST</sup> Week Onsite) by August 12, 2019, the first day of the inspection. All requested information shall follow the guidance document ML17156A215 referenced above.

The preferred file format for all lists is object character recognition (OCR) readable or a searchable Excel spreadsheet file. These files should be indexed and hyper-linked to facilitate ease of use. If you have any questions regarding this information, please call the inspection team leader as soon as possible.



Table 1 <sup>st</sup> Week Onsite	
<b>Section 3, Paragraph Number/Title:</b>	<b>Items</b>
10 Host-Based Intrusion Detection System Documentation (for CDAs for systems selected for inspection)	(10.a.3) thru (10.a.12)
11 Network Intrusion Detection System Documentation for Critical Systems that have CDAs associated with them	(11.a.3) thru (11.a.15)
12 Security Information and Event Management (SIEM) Documentation for Critical Systems that have CDAs associated with them	(12.a.3) thru (12.a.14)
16 Supply Chain Management	(16.b.2) (6.b.3) (16.b.4)
19 Cyber-Security Event Notifications	All

In addition to the above information please provide the following:

- (1) Copies of the following documents do not need to be solely available to the inspection team as long as the inspectors have easy and unrestrained access to them.
  - a. Updated Final Safety Analysis Report, if not previously provided;
  - b. Original FSAR Volumes;
  - c. Original SER and Supplements;
  - d. FSAR Question and Answers;
  - e. Quality Assurance Plan;
  - f. Technical Specifications, if not previously provided;
  - g. Latest IPE/PRA Report; and
  - h. Vendor Manuals, for applicable systems selected
- (2) Assessment and Corrective Actions:
  - a. The most recent Cyber-Security Quality Assurance (QA) audit and/or self-assessment; and
  - b. The last 73.55(m) assessment performed; and
  - c. Corrective action documents (e.g., condition reports, including status of corrective actions) generate as a result of the most recent Cyber-Security Quality Assurance (QA) audit and/or self-assessment.

**IV. Information Requested To Be Provided Throughout the Inspection**

- (1) Copies of any corrective action documents generated as a result of the inspection team's questions or queries during the inspection.
- (2) Copies of the list of questions submitted by the inspection team members and the status/resolution of the information requested (provided daily during the inspection to each inspection team member).

If you have any questions regarding the information requested, please contact the inspection team.