



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

January 15, 2019

Mr. Bryan C. Hanson
Senior VP Exelon Generation Company, LLC
President and CNO, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: INFORMATION REQUEST TO SUPPORT UPCOMING TEMPORARY
INSTRUCTIONS 2515/191 AND 2515/193 INSPECTION AT QUAD CITIES
NUCLEAR POWER STATION, UNITS 1 AND 2

Dear Mr. Hanson:

This letter is to request information to support our inspection beginning April 22, 2019 at your Quad Cities Nuclear Power Station, Units 1 and 2. This inspection will be performed in accordance with the U.S. Nuclear Regulatory Commission (NRC) Temporary Instructions 2515/191, "Inspection of the Implementation of Mitigating Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communications/Staffing/Multi-Unit Dose Assessment Plans", and 2515/193, "Inspection of the Implementation of EA-13-109: Order Modifying Licenses With Regard to Reliable Hardened Containment Vents Capable of Operation Under Severe Accident Conditions".

In order to minimize the impact that the inspection has on the site and to ensure a productive inspection, we have enclosed a list of documents requested for the inspection. Please provide this information prior to April 5, 2019. 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 on-site portions of the inspection. Insofar as possible, this information should be provided electronically to the lead inspector.

The lead inspector for this inspection is Dr. Stuart Sheldon. We understand that our primary contact for this inspection is Mr. Tom Peterson of your organization. If there are any questions about the inspection or the material requested in the enclosure, please contact the lead inspector at 630-829-9727 or via email at stuart.sheldon@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.

This letter and its enclosure 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."

Sincerely,

/RA/

Ann Marie Stone, Team Lead
Technical Support Staff
Division of Reactor Projects

Docket Nos. 50-254; 50-265; 72-053
License Nos. DPR-29; DPR-30

Enclosure:
Requested Information to Support Temporary
Instruction 2515/191 and 2515/193

cc: Distribution via LISTSERV®

Letter to Bryan Hanson from Ann Marie Stone date January 15, 2019

SUBJECT: INFORMATION REQUEST TO SUPPORT UPCOMING TEMPORARY
INSTRUCTIONS 2515/191 AND 2515/193 INSPECTION AT QUAD CITIES
NUCLEAR POWER STATION, UNITS 1 AND 2

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**REQUESTED INFORMATION TO SUPPORT
TEMPORARY INSTRUCTIONS 2515/191 AND 2515/193 INSPECTION
REPORT 05000254/2019011; 05000265/2019011**

Please provide the following information on a compact disc or another form of electronic media, if possible. For requested lists please provide the information, if possible, in a "sortable" Excel spreadsheet format. For the purposes of this document request, FLEX will mean any item, procedure, calculation, document or structure, system, and component that was part of the implementation of Mitigating Strategies, or Spent Fuel Pool Instrumentation (SFPLI) orders and emergency preparedness (EP) communications/staffing and multi-unit dose assessment. This document also requests information pertaining to your implementation of a hardened containment vent system (HCVS). This includes the capability to use Severe Accident Water Addition (SAWA) and Severe Accident Water Management (SAWM).

1. A current copy of the Mitigating Strategies Final Integrated Plan (FIP) and any documentation to or from the NRC related to the FIP. Please include any changes to the FIP since submittal to the NRC.
2. A current copy of the Final Integrated Plan (FIP) for compliance with HCVS Order EA-13-109 and any subsequent documentation to or from the NRC related to the FIP. Please include any changes to the FIP since submittal to the NRC.
3. A listing of any changes to either FIP since issuance of the NRC Safety Evaluation Report.
4. A copy of your communications and staffing assessments for responding to a beyond design basis external event.
5. A listing of Corrective Action Program (CAP) items related to implementation of FLEX, maintenance of the FLEX program and equipment, modifications related to FLEX, and training related to FLEX. A separate listing of Corrective Action Program (CAP) items related to implementation of HCVS and SAWA, maintenance of the HCVS and SAWA programs and equipment, HCVS and SAWA modifications, and training related on HCVS and SAWA.
6. A current copy of the SAFER response plan.
7. A copy of any audits or self-assessments related to your preparation for this inspection as well as any related to the implementation or maintenance of FLEX, HCVS and SAWA/SAWM.
8. A current copy of administrative procedure(s) for the CAP, modification program, maintenance of FLEX equipment program, operations procedure writing and implementing, and top-level documents for the work control programs, and work scheduling programs. Include procedures for configuration control of FLEX documents.

Enclosure

9. A current copy of the Emergency Operating Procedures, Abnormal Operating Procedures, Off-Normal Procedures, FLEX Support Guidelines (FSGs), and Severe Accident Guides (SAGs) and any additional procedures implementing HCVS and SAWA/SAWM. Please have the annunciator response procedures available during the inspection. Also, include Station Blackout related procedures if they are separate from the above.
10. A current copy of your outage planning procedures including forced outage planning procedures related to FLEX implementation. For example, procedures for implementation of FLEX in shutdown modes.
11. FLEX related training documents, aids, and records, including presentations and videos. Include training on SFPLI maintenance and operations. (Ref. NEI 12–06, Section 11.6)
12. A listing of plant modifications related to FLEX along with a copies of the spent fuel pool instrumentation modification, and EP communications modifications.
13. A listing of calculations, evaluations, and 50.59 reviews related to FLEX.
14. A copy of the current FLEX strategy basis document. (Ref. NEI 12–06, Section 11.8)
15. A copy of the FLEX strategies time validation study.
16. A copy of the haul path liquefaction analysis. (Ref. NEI 12–06 Section 5.3.2.1)
17. A copy of performance verification tests for FLEX equipment. (Ref. NEI 12–06, Section 11.5.1)
18. A listing of Preventive Maintenance (PM) tasks for FLEX equipment, SFPLI, and EP communications equipment installed for FLEX response. Include a copy of the most recent PMs (work orders) for this equipment. (Ref. NEI 12–06, Section 11.5.2)
19. Current copies of SFPLI maintenance procedures.
20. Documents and procedures related to your multi-unit dose assessment capability. Please include a copy of your multi-unit dose assessment submittal.
21. A copy of documents managing allowed out of service times for HCVS and SAWA/SAWM equipment. (Ref. NEI 13–02, Section 6.3)
22. A listing of time sensitive actions associated with HCVS and SAWA/SAWM and associated validation documentation. (Ref. NEI 13–02, Section 6.1.1.7.4)
23. Documentation demonstrating HCVS and SAWA/SAWM equipment was tested or otherwise verified capable of performing its required function. (Ref. NEI 13–02, Section 5.4.1)
24. Documentation demonstrating HCVS and SAWA/SAWM procedures have been validated. (Ref. NEI 13–02, Section 6.1.2.3)

25. HCVS and SAWA/SAWM related training program documents, aids, and records, including presentations and videos. (Ref. NEI 13–02, Section 6.1.3.1)
26. A listing of testing and inspection tasks for equipment, and documentation demonstrating your implementation a program for testing and inspection of HCVS and SAWA/SAWM. Include leak testing of HVCS valves. Include a copy of the most recent tests and inspections (work orders) for this equipment. (Ref. NEI 13–02, Section 6.2)
27. A copy of the Updated Final Safety Analysis Report, Technical Specifications and bases documents.

OTHER:

On the first day of the inspection, please provide the inspection team a briefing of your FIP and overall mitigating strategies. This brief discussion should include the entry conditions or trigger points for implementing HCVS and SAWA/SAWM.

On the first day of the inspection, please provide a copy of any procedures revised after your response to this request for information.

In addition, the inspectors will require computer access to the CAP database while on site.