



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

May 17, 2017

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
INSTRUCTION 191 INSPECTION AT BYRON STATION, UNITS 1 AND 2**

Dear Mr. Hanson:

This letter is to request information to support our inspection of the Implementation of Mitigating Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communications/Staffing/Multi-Unit Dose Assessment Plans beginning August 28, 2017, at your Byron Station, Units 1 and 2. This inspection will be performed in accordance with the U.S. Nuclear Regulatory Commission (NRC) Temporary Instruction 2515/191.

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 August 11, 2017. 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 Ms. Zoe Cox 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 e-mail 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.

B. Hanson

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This letter and its enclosure will be 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. 50-454; 50-455
License Nos. NPF-37; NPF-66

Enclosure:
Requested for Information to Support
Temporary Instruction 2515/191
IR 05000454/2017008; 05000455/2017008

cc: Distribution via LISTSERV®

Letter to Bryan C. Hanson from Ann Marie Stone dated May 17, 2017

SUBJECT: INFORMATION REQUEST TO SUPPORT UPCOMING TEMPORARY
INSTRUCTION 191 INSPECTION AT BYRON STATION, UNITS 1 AND 2

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**REQUESTED INFORMATION TO SUPPORT
TEMPORARY INSTRUCTION
INSPECTION REPORT 05000454/2017008; 05000455/2017008**

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.

1. A current copy of the 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 listing of any changes to the FIP since issuance of the NRC Safety Evaluation Report.
3. A copy of your communications and staffing assessments for responding to a beyond design basis external event.
4. 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.
5. A current copy of the SAFER response plan.
6. A copy of any audits related to your preparation for this inspection as well as any related to the implementation or maintenance of FLEX.
7. 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. If FLEX related procedures such as Flex Support Guidelines (FSGs) or the FIP are maintained under a different process please include copies of those procedures. Include procedures for configuration control of FLEX documents.
8. A current copy of the Emergency Operating Procedures, Abnormal Operating Procedures, Off-Normal Procedures and FSGs. Please have available the annunciator response procedures. Also include Station Blackout related procedures if they are separate from the above.
9. 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.
10. 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)

Enclosure

11. A listing of plant modifications related to FLEX along with a copies of the spent fuel pool instrumentation modification, and EP communications modifications.
12. A listing of calculations, evaluations, and 50.59 reviews related to FLEX.
13. A copy of the current FLEX strategy basis document. (Ref. NEI 12–06 Section 11.8)
14. A copy of the FLEX strategies time validation study.
15. A copy of the haul path liquefaction analysis. (Ref. NEI 12–06 Section 5.3.2.1)
16. A copy of performance verification tests for FLEX equipment. (Ref. NEI 12–06 Section 11.5.1)
17. 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)
18. Current copies of SFPLI maintenance procedures.
19. Documents and procedures related to your multi-unit dose assessment capability.
20. 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 strategy.

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.