



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD., SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

June 3, 2019

Mr. Bryan C. Hanson
Senior Vice President, Exelon Generation, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: THREE MILE ISLAND UNIT 1 – EMERGENCY PREPAREDNESS BIENNIAL
EXERCISE INSPECTION REPORT 05000289/2019501

Dear Mr. Hanson:

On May 10, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Three Mile Island Unit 1 and discussed the results of this inspection with Mr. Ed Callan and other members of your staff. The results of this inspection are documented in the enclosed report.

The NRC inspectors did not identify any finding or violation of more than minor significance.

This letter, its enclosure, and your response (if any) 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/

Fred L. Bower, III, Chief
Plant Support Branch
Division of Reactor Safety

Docket No.: 05000289
License No.: DPR-50

Enclosure:
Inspection Report 05000289/2019501

cc w/ encl: Distribution via ListServ

SUBJECT: THREE MILE ISLAND UNIT 1 – EMERGENCY PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT 05000289/2019501 DATED JUNE 3, 2019

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DOCUMENT NAME: G:\DRS\Plant Support Branch 1\EP INSPECTIONS\TMI 19501 EP Exercise.docx
 ADAMS ACCESSION NUMBER: ML19154A104

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|--|----------------------|---|--------|---|--|
| <input checked="" type="checkbox"/> SUNSI Review | | <input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive | | <input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available | |
| OFFICE | RI/DRS | RI/DRP | RI/DRS | | |
| NAME | JAmbrosini per email | MYoung/SS | FBower | | |
| DATE | 5/30/19 | 5/30/19 | 6/3/19 | | |

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Number: 05000289

License Number: DPR-50

Report Number: 05000289/2019501

Enterprise Identifier: I-2019-501-0021

Licensee: Exelon Generation Co., LLC

Facility: Three Mile Island, Unit 1

Location: Middletown, PA

Inspection Dates: May 06, 2019 to May 10, 2019

Inspectors: J. Ambrosini, Sr. Emergency Preparedness Inspector
J. DeBoer, Senior Project Engineer
P. Ott, Operations Engineer
D. Silk, Senior Operations Engineer

Approved By: Fred L. Bower, III, Branch Chief
Plant Support Branch
Division of Reactor Safety

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an Emergency Preparedness Biennial Exercise Inspection at Three Mile Island Unit 1 in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information. Findings and violations being considered in the NRC's assessment are summarized in the table below.

List of Findings and Violations

No findings were identified.

Additional Tracking Items

None.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71114.01 - Exercise Evaluation

Inspection Review (IP Section 02.01-02.11) (1 Sample)

The inspectors evaluated the biennial emergency plan exercise. The exercise scenario simulated a train derailment, a reactor coolant system leak near the 'A' reactor coolant pump, and a leak into the auxiliary building from the letdown line on May 7.

71114.04 - Emergency Action Level and Emergency Plan Changes

Inspection Review (IP Section 02.01-02.03) (1 Sample)

The inspectors verified that there were no changes made to the emergency plan, Emergency Action Levels, or lower-tier implementing procedures for the time period reviewed, October 2018 through May 2019.

71114.08 - Exercise Evaluation Scenario Review

Inspection Review (IP Section 02.01 - 02.04) (1 Sample)

The inspectors reviewed and evaluated the proposed scenario for biennial emergency plan exercise on April 3.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

EP01: Drill/Exercise Performance (IP Section 02.12) (1 Sample)

January 1, 2018, through March 31, 2019

EP02: ERO Drill Participation (IP Section 02.13) (1 Sample)

January 1, 2018, through March 31, 2019

EP03: Alert & Notification System Reliability (IP Section 02.14) (1 Sample)

January 1, 2018, through March 31, 2019

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On May 10, 2019, the inspector presented the Emergency Preparedness Biennial Exercise Inspection results to Mr. Ed Callan and other members of the licensee staff.

DOCUMENTS REVIEWED

| Inspection Procedure | Type | Designation | Description or Title | Revision or Date |
|----------------------|-----------------------------|---------------|---|--|
| 71114.01 | Corrective Action Documents | 4232791 | | |
| | | 4232824 | | |
| | | 4247356 | | |
| | | 4247359 | | |
| | | 4247361 | | |
| | | 4247363 | | |
| | | 4247367 | | |
| | | 4247390 | | |
| | | 4247413 | | |
| | | 4247436 | | |
| | 4247449 | | | |
| | | Miscellaneous | | Three Mile Island Nuclear Station 2019 Emergency Preparedness Biennial Exercise Scenario Package |
| | Procedures | EP-AA-1009 | Three Mile Island Generating Station Emergency Plan Annex | Revision 29 |
| 71151 | Corrective Action Documents | 4094525 | | |
| | | 4122808 | | |
| | | 4122924 | | |
| | | 4133152 | | |
| | | 4190582 | | |
| | | 4200965 | | |