



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

October 17, 2019

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

SUBJECT: NINE MILE POINT NUCLEAR STATION, UNITS 1 AND 2 – EMERGENCY
PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT
05000220/2019501 AND 05000410/2019501

Dear Mr. Hanson:

On October 10, 2019, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Nine Mile Point Nuclear Station, Units 1 and 2 and discussed the results of this inspection with Mr. Peter Orphanos 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 Nos. 05000220 and 05000410
License Nos. DPR-63 and NPF-69

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

SUBJECT: NINE MILE POINT NUCLEAR STATION, UNITS 1 AND 2 – EMERGENCY
PREPAREDNESS BIENNIAL EXERCISE INSPECTION REPORT
05000220/2019501 AND 05000410/2019501 DATED OCTOBER 17, 2019

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DATE	10/17/19	10/17/19	10/17/19		

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000220 and 05000410

License Numbers: DPR-63 and NPF-69

Report Numbers: 05000220/2019501 and 05000410/2019501

Enterprise Identifier: I-2019-501-0023

Licensee: Exelon Generation Company, LLC

Facility: Nine Mile Point Nuclear Station, Units 1 and 2

Location: Scriba, NY

Inspection Dates: October 7, 2019 to October 10, 2019

Inspectors: J. DeBoer, Reactor Inspector
B. Haagensen, Senior Resident Inspector
J. Lilliendahl, Sr Emergency Response Coord
J. Schoppy, Senior Reactor Inspector

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

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an emergency preparedness biennial exercise inspection at Nine Mile Point Nuclear Station, Units 1 and 2 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.

List of Findings and Violations

No findings or violations of more than minor significance 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)

- (1) The inspectors evaluated the biennial emergency plan exercise. The exercise scenario simulated a seismic event, a reactor coolant system leak inside primary containment, and an aftershock seismic event which led to a reactor coolant system leak outside primary containment on October 8, 2019.

71114.04 - Emergency Action Level and Emergency Plan Changes

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

- (1) The inspectors evaluated the following submitted Emergency Action Level and Emergency Plan changes:
 - Evaluation 19-24, EP-AA-111, EP-CE-111, Emergency Classification and Protective Action Recommendations, Revisions 22 & 8
 - Evaluation 19-26, EP-AA-120-1006, EP Reportability- Loss of Emergency Preparedness, Revision 5

This evaluation does not constitute NRC approval.

71114.08 - Exercise Evaluation Scenario Review

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

- (1) The inspectors reviewed and evaluated the proposed scenario for the biennial emergency plan exercise on September 9, 2019.

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)

(1) July 1, 2018 - September 30, 2019

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

(1) July 1, 2018 - September 30, 2019

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

(1) July 1, 2018 - September 30, 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 October 10, 2019, the inspectors presented the emergency preparedness biennial exercise inspection results to Mr. Peter Orphanos and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71114.01	Corrective Action Documents	4286090 4286391 4286423 4286444 4286447 4286448 4286451 4286464 4286479 4286483 4286528		
	Miscellaneous		Nine Mile Point 2019 Emergency Preparedness Biennial Exercise Scenario Package	
71151	Corrective Action Documents	4158484 4163100 4164892 4200222 4211532 4226475 4245155 4273651		
	Corrective Action Documents Resulting from Inspection	4286464 4286680		