



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

March 4, 2019

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR THE NINE MILE POINT NUCLEAR
STATION, UNITS 1 AND 2 (REPORTS 05000220/2018006 AND
05000410/2018006)

Dear Mr. Hanson,

The NRC has completed its end-of-cycle performance assessment of your Nine Mile Point Nuclear Station (Nine Mile Point), Units 1 and 2, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2018, through December 31, 2018. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety.

The NRC determined the performance at Nine Mile Point during the most recent quarter was within the Licensee Response Column (Column 1) of the NRC's Reactor Oversight Process (ROP) Action Matrix in Inspection Manual Chapter 0305, "Operating Reactor Assessment Program," because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at Nine Mile Point.

The enclosed inspection plan lists the inspections scheduled through December 31, 2020. This updated inspection plan now includes planned security inspections which were formerly transmitted under separate correspondence. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. Furthermore, all the inspections listed during the last 12 months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In addition to normal baseline inspections, the NRC will be performing Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal," and IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," at your facility.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC's Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 610-337-5120 with any questions you have regarding this letter.

Sincerely,

/RA/

Erin Carfang, Chief
Reactor Projects Branch 1
Division of Reactor Projects

Docket Nos.: 50-220 and 50-410
License Nos.: DPR-63 and NPF-69

Enclosure:
Nine Mile Point Inspection Plan

SUBJECT: ANNUAL ASSESSMENT LETTER FOR THE NINE MILE POINT NUCLEAR STATION, UNITS 1 AND 2 (REPORTS 05000220/2018006 AND 05000410/2018006) DATED MARCH 4, 2019

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ADAMS ACCESSION NUMBER: ML19064B344

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OFFICE	RI/DRP	RI/DRP			
NAME	ARosebrook per email	ECarfang			
DATE	2/22/19	2/26/19			

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Nine Mile Point

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
INSERVICE INSPECTION - UNIT 1						1
1	03/24/2019	03/30/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RAD SAFETY OUT						1
1, 2	04/01/2019	04/05/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/01/2019	04/05/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	04/01/2019	04/05/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/01/2019	04/05/2019	IP 71124.04	000728	Occupational Dose Assessment	
50.59 PROCESS						3
1, 2	04/21/2019	04/27/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
RAD SAFETY 01,02,03,04						1
1, 2	05/20/2019	05/24/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/20/2019	05/24/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	05/20/2019	05/24/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/20/2019	05/24/2019	IP 71124.04	000728	Occupational Dose Assessment	
ACCESS CONTROL, PROTECTIVE STRATEGY, TSR						4
1, 2	05/20/2019	05/24/2019	IP 71130.02	000734	Access Control	
1, 2	05/20/2019	05/24/2019	IP 71130.05	000737	Protective Strategy Evaluation	
1, 2	05/20/2019	05/24/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
1, 2	05/20/2019	05/24/2019	IP 71151	001338	Performance Indicator Verification	
CYBER FULL IMP						2
1, 2	06/03/2019	06/07/2019	IP 71130.10P	000741	Cyber Security	
1, 2	06/17/2019	06/21/2019	IP 71130.10P	000741	Cyber Security	
ISFSI OPERATIONAL INSPECTION						2
1, 2	06/09/2019	06/15/2019	IP 60855	001001	Operation Of An ISFSI	
1, 2	06/09/2019	06/15/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
Heat Sink						1
1, 2	08/04/2019	08/10/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

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Nine Mile Point

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
PI&R BIENNIAL						4
1, 2	08/12/2019	08/16/2019	IP 71152B	000747	Problem Identification and Resolution	
1, 2	08/26/2019	08/30/2019	IP 71152B	000747	Problem Identification and Resolution	
RAD SAFETY 01,02,03,04						1
1, 2	08/19/2019	08/23/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	08/19/2019	08/23/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	08/19/2019	08/23/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	08/19/2019	08/23/2019	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	08/19/2019	08/23/2019	IP 71151	000746	Performance Indicator Verification	
RAD SAFETY REMP						1
1, 2	09/09/2019	09/13/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1, 2	09/09/2019	09/13/2019	IP 71151	000746	Performance Indicator Verification	
NMP EP EXERCISE INSPECTION						5
1, 2	10/07/2019	10/11/2019	IP 71114.01	000716	Exercise Evaluation	
1, 2	10/07/2019	10/11/2019	IP 71151	001397	Performance Indicator Verification	
NMP2 REQUAL INSP W/ P/F RESULTS						2
1, 2	10/21/2019	10/25/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
1, 2	10/21/2019	10/25/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
EQ PROGRAM						3
1, 2	10/21/2019	10/25/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	11/04/2019	11/08/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
NMP2 INITIAL OL EXAM						4
2	11/11/2019	12/06/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	12/09/2019	12/20/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
NMP UNIT 1 - LICENSE RENEWAL PHASE 4						3
1	12/08/2019	12/14/2019	IP 71003	000687	Post-Approval Site Inspection for License Renewal	

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Rad Safety Refuel						1
1, 2	03/02/2020	03/06/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/02/2020	03/06/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	03/02/2020	03/06/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/02/2020	03/06/2020	IP 71124.04	000728	Occupational Dose Assessment	
ISI - UNIT 2						1
2	03/09/2020	03/13/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
Rad Safety RETS						1
1, 2	05/18/2020	05/22/2020	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	05/18/2020	05/22/2020	IP 71151	000746	Performance Indicator Verification	
Access Control, Equipment Testing and Maintenance, Training						3
1, 2	06/01/2020	06/05/2020	IP 71130.02	000734	Access Control	
1, 2	06/01/2020	06/05/2020	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	06/01/2020	06/05/2020	IP 71130.07	000739	Security Training	
1, 2	06/01/2020	06/05/2020	IP 71151	001338	Performance Indicator Verification	
Rad Safety Inspection						1
1, 2	06/08/2020	06/12/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	06/08/2020	06/12/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	06/08/2020	06/12/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	06/08/2020	06/12/2020	IP 71124.04	000728	Occupational Dose Assessment	
NMP EP PROGRAM INSPECTION						1
1, 2	07/13/2020	07/17/2020	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	07/13/2020	07/17/2020	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	07/13/2020	07/17/2020	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	07/13/2020	07/17/2020	IP 71151	001397	Performance Indicator Verification	
Radwaste						1
1, 2	07/27/2020	07/31/2020	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

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Nine Mile Point

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
Rad Safety Instruments						1
1, 2	08/02/2020	08/07/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
Rad Safety Inspection						1
1, 2	10/05/2020	10/09/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/05/2020	10/09/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	10/05/2020	10/09/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	10/05/2020	10/09/2020	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	10/05/2020	10/09/2020	IP 71151	000746	Performance Indicator Verification	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS						7
1, 2	10/05/2020	10/09/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	10/26/2020	10/30/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
DESIGN BASIS ASSURANCE INSPECTION - TEAMS						7
1, 2	10/19/2020	10/23/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	11/02/2020	11/06/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
NMP1 Requal Inspecton with P/F Results						2
1	11/02/2020	11/06/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
1	11/16/2020	11/20/2020	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
NMP1 INITIAL OL EXAM						4
1	11/02/2020	11/06/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	11/30/2020	12/11/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	