



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

March 4, 2019

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR THREE MILE ISLAND STATION, UNIT 1
(REPORT 05000289/2018006)

Dear Mr. Hanson,

The NRC has completed its end-of-cycle performance assessment of Three Mile Island Station, Unit 1, 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 Three Mile Island Station, Unit 1, 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 Three Mile Island Station, Unit 1.

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. In a letter (ML17171A151) dated June 20, 2017, pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 50.82(a)(1)(i), you notified the NRC of your intent to permanently cease power operations at Three Mile Island Station, Unit 1 no later than September 30, 2019. Therefore, the inspection schedule is tentative and may be revised. Once you formally notify the NRC in accordance with 10 CFR 50.82(a)(1)(ii) that Three Mile Island Station, Unit 1 is permanently shutdown and that all the nuclear fuel has been removed from the reactor vessel, then Three Mile Island Station, Unit 1 will transition from NRC IMC 0305, "Operating Reactor Assessment Program," and IMC 2515, "Light-Water Reactor Inspection Program – Operations Phase," to IMC 2561, "Decommissioning Power Reactor Inspection Program." The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

Finally, the Reactor Oversight Process and Inspection Program provides inherent flexibility to permit inspection sampling adjustments using IMC 2515, Appendix G, "Baseline Inspection Guidance for Power Reactors Preparing for Transition to Decommissioning Phase." These adjustments are to be made in order to better inform our assessment of performance during this unique period of operations prior to permanent plant shutdown. In addition, the NRC will be implementing quarterly assessment reviews, consistent with the guidance contained in IMC 0305, "Operating Reactor Assessment Program," in order to more closely monitor and review overall plant activities to assure that there are no issues emerging that might indicate a decline in focus on the safe operation of the facility.

In accordance with 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 610-337-5205 with any questions you have regarding this letter.

Sincerely,

/RA/

Matthew Young, Chief
Reactor Projects Branch 6
Division of Reactor Projects

Docket No. 50-289
License No. DPR-50

Enclosure:
Three Mile Island Inspection Plan

SUBJECT: ANNUAL ASSESSMENT LETTER FOR THREE MILE ISLAND STATION, UNIT 1
(REPORT 05000289/2018006) DATED MARCH 4, 2019

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OFFICE	RI/DRP	RI/DRP			
NAME	SShaffer	MYoung			
DATE	2/26/19	2/27/19			

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Three Mile Island

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
RAD SAFETY 01,02,03,04						1
1	02/11/2019	02/15/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	02/11/2019	02/15/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
ACCESS AUTH & CONTROL, FITNESS FOR DUTY						3
1	02/25/2019	03/01/2019	IP 71130.01	000733	Access Authorization	
1	02/25/2019	03/01/2019	IP 71130.02	000734	Access Control	
1	02/25/2019	03/01/2019	IP 71130.06	000738	Protection of Safeguards Information	
1	02/25/2019	03/01/2019	IP 71130.08	000740	Fitness For Duty Program	
1	02/25/2019	03/01/2019	IP 71151	001338	Performance Indicator Verification	
TMI REQUAL INSP WITH P/F RESULTS						2
1	03/17/2019	03/22/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
1	03/17/2019	03/22/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
Radwaste						1
1	03/18/2019	03/22/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
EP EXERCISE INSPECTION						5
1	05/06/2019	05/10/2019	IP 71114.01	000716	Exercise Evaluation	
1	05/06/2019	05/10/2019	IP 71151	001397	Performance Indicator Verification	
TMI INITIAL OL EXAM						5
1	05/12/2019	05/17/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	06/09/2019	06/14/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
RAD SAFETY REMP						1
1	06/10/2019	06/14/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	06/10/2019	06/14/2019	IP 71151	000746	Performance Indicator Verification	
Triennial Heat Sink						1
1	06/16/2019	06/22/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	

IP 22 Inspection Activity Plan Report

Three Mile Island

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
50.59 PROCESS						3
1	07/14/2019	07/20/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
RAD SAFETY OUT 01,02,03,04						1
1	09/30/2019	10/04/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	09/30/2019	10/04/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	09/30/2019	10/04/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/30/2019	10/04/2019	IP 71124.04	000728	Occupational Dose Assessment	
Inservice Inspection						1
1	10/06/2019	10/19/2019	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
EQ PROGRAM						3
1	11/04/2019	11/08/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1	11/18/2019	11/22/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
RAD SAFETY 01,02,03,04						1
1	11/18/2019	11/22/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/18/2019	11/22/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	11/18/2019	11/22/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/18/2019	11/22/2019	IP 71124.04	000728	Occupational Dose Assessment	
1	11/18/2019	11/22/2019	IP 71151	000746	Performance Indicator Verification	
Rad Safety Insp						1
1	01/06/2020	01/10/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	01/06/2020	01/10/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	01/06/2020	01/10/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	01/06/2020	01/10/2020	IP 71124.04	000728	Occupational Dose Assessment	
PI&R Biennial Team Inspection						4
1	01/20/2020	01/24/2020	IP 71152B	000747	Problem Identification and Resolution	
1	02/10/2020	02/14/2020	IP 71152B	000747	Problem Identification and Resolution	
THREE MILE ISLAND EP PROGRAM INSPECTION						1
1	03/09/2020	03/13/2020	IP 71114.02	000717	Alert and Notification System Testing	
1	03/09/2020	03/13/2020	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	

IP 22 Inspection Activity Plan Report

Three Mile Island

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
THREE MILE ISLAND EP PROGRAM INSPECTION						1
1	03/09/2020	03/13/2020	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	03/09/2020	03/13/2020	IP 71151	001397	Performance Indicator Verification	
Rad Safety RETS						1
1	03/23/2020	03/27/2020	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	03/23/2020	03/27/2020	IP 71151	000746	Performance Indicator Verification	
TRIENNIAL FIRE PROTECTION						4
1	05/04/2020	05/08/2020	IP 71111.05T	000696	Fire Protection (Triennial)	
1	05/18/2020	05/22/2020	IP 71111.05T	000696	Fire Protection (Triennial)	
Material Control and Accountability						1
1	06/01/2020	06/05/2020	IP 71130.11	000742	Material Control and Accounting (MC&A)	
Rad Safety Rad Insts						1
1	07/06/2020	07/10/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
CYBER FULL IMP						4
1	07/20/2020	07/24/2020	IP 71130.10P	000741	Cyber Security	
1	08/03/2020	08/07/2020	IP 71130.10P	000741	Cyber Security	
Rad Safety Insp						1
1	12/14/2020	12/18/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	12/14/2020	12/18/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	12/14/2020	12/18/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	12/14/2020	12/18/2020	IP 71124.04	000728	Occupational Dose Assessment	
1	12/14/2020	12/18/2020	IP 71151	000746	Performance Indicator Verification	