



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

March 3, 2020

Mr. Anthony J. Vitale
Site Vice President
Entergy Nuclear Operations, Inc.
Indian Point Energy Center
450 Broadway, GSB
P.O. Box 249
Buchanan, NY 10511-0249

SUBJECT: ANNUAL ASSESSMENT LETTER FOR INDIAN POINT ENERGY CENTER,
UNITS 2 AND 3 (REPORTS 05000247/2019006 AND 05000286/2019006)

Dear Mr. Vitale:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of Indian Point Energy Center, Units 2 and 3, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2019, through December 31, 2019. 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 Indian Point Energy Center, Units 2 and 3 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 (IMC) 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 Indian Point Energy Center, Units 2 and 3.

The enclosed inspection plan lists the inspections scheduled through December 31, 2021. 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. In addition to the baseline inspections, the NRC will conduct Inspection Procedure 60855.1, "Operation of an Independent Spent Fuel Storage Facility (ISFSI) at Operating Plants," and Inspection Procedure 92702, "Follow-up on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Orders."

Additionally, during this period the NRC will schedule an additional inspection per a revised version of Temporary Instruction (TI) 2515/194, "Inspection of the Licensee's Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerability in Electrical Power Systems (NRC Bulletin 2012-01)," for any sites who elect to implement the guidance of the Industry Initiative on Open Phase Condition, Revision 3 (ADAMS Accession No. ML19163A176). Licensees will be individually notified when the NRC schedules these inspections.

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") and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." 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. Furthermore, all the inspections listed during the last twelve 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.

Additionally, in a letter (ADAMS Accession No. ML17044A004) dated February 8, 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 Indian Point Energy Center, Units 2 and 3. Unit 2 will shut down by April 30, 2020, and Unit 3 will shut down by April 30, 2021. 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 either Unit 2 or Unit 3 is permanently shutdown and that all the nuclear fuel has been removed from the reactor vessel, then that unit 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 ROP 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 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 has implemented 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.

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."

Please contact me at 610-337-5262 with any questions you have regarding this letter.

Sincerely,

X /RA/

Signed by: Daniel L. Schroeder

Daniel L. Schroeder, Chief
Reactor Projects Branch 2
Division of Reactor Projects

Docket Nos. 50-247 and 50-286
License Nos. DPR-26 and DPR-64

Enclosure:
Inspection Plan

cc w/ encl: Distribution via LISTSERV®

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UNITS 2 AND 3 (REPORTS 05000247/2019006 AND 05000286/2019006)
DATED MARCH 3, 2020

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DOCUMENT NAME: \\R1PWSSTFSS01.nrc.gov\shared\ROP Assessment Meetings\ROP-20 EOC Review\Branch 2\Indian Point\Indian Point
2019 AAL Final.docx

ADAMS ACCESSION NUMBER: ML20059M205

<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/DRP/SRI	RI/DRP/SPE	RI/DRP/BC		
NAME	BHaagensen	MDraxton	DSchroeder		
DATE	2/26/2020	3/2/20	3/3/20		

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Indian Point

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
71124.03 In-Plant Airborne Radioactivity Control and Mitigation & 71124.05 Radiation Monitoring Instrumentation						2
2, 3	03/02/2020	03/06/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	03/02/2020	03/06/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
71124.01 Radiological Hazard Assessment and Exposure Controls						1
2, 3	05/11/2020	05/15/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Design Basis Assurance Inspection - Programs - Power Operated Valves - Indian Point Units and 3						3
2, 3	06/08/2020	06/12/2020	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
2, 3	06/15/2020	06/19/2020	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
2, 3	06/22/2020	06/26/2020	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
71124.01 Radiological Hazard Assessment and Exposure Controls						1
2, 3	07/20/2020	07/24/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Access Control, Protective Strategy, TSR-IP						4
2, 3	10/19/2020	10/23/2020	IP 71130.02	000734	Access Control	
2, 3	10/19/2020	10/23/2020	IP 71130.05	000737	Protective Strategy Evaluation	
2, 3	10/19/2020	10/23/2020	IP 71130.09	001656	Security Plan Changes	
2, 3	10/19/2020	10/23/2020	IP 71130.14	000743	Review of Power Reactor Target Sets	
2, 3	10/19/2020	10/23/2020	IP 71151	001338	Performance Indicator Verification	
71151 Performance Indicator Verification OR01 & PR01						1
2, 3	10/19/2020	10/23/2020	IP 71151	000746	Performance Indicator Verification	
50.59 INSPECTION						3
2, 3	10/26/2020	10/30/2020	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
EP EXERCISE INSPECTION - INDIAN POINT						5
2, 3	11/16/2020	11/20/2020	IP 71114.01	000716	Exercise Evaluation	
2, 3	11/16/2020	11/20/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2, 3	11/16/2020	11/20/2020	IP 71151	001397	Performance Indicator Verification	
BIENNIAL HEAT SINK						1
2, 3	01/31/2021	02/06/2021	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	

This report does not include INPO and OUTAGE activities.

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

IP 22 Inspection Activity Plan Report

Indian Point

01/01/2020 - 12/31/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
71124.04 Occupational Dose Assessment						1
2, 3	03/01/2021	03/05/2021	IP 71124.04	000728	Occupational Dose Assessment	
ISFSI Operational Inspection - IP						2
2, 3	03/29/2021	04/02/2021	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
Radiological Hazard Assessment and Exposure Controls 71124.01						1
2, 3	05/10/2021	05/14/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
EP Program Inspection - Indian Point (Decom)						1
2, 3	07/12/2021	07/16/2021	IP 71114.02	000717	Alert and Notification System Testing	
2, 3	07/12/2021	07/16/2021	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2, 3	07/12/2021	07/16/2021	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2, 3	07/12/2021	07/16/2021	IP 71114.05	000720	Maintenance of Emergency Preparedness	
2, 3	07/12/2021	07/16/2021	IP 71114.06	000721	Drill Evaluation	
PI&R BIENNIAL - IP						4
2, 3	07/12/2021	07/16/2021	IP 71152B	000747	Problem Identification and Resolution	
2, 3	07/26/2021	07/30/2021	IP 71152B	000747	Problem Identification and Resolution	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - IP						6
2, 3	09/13/2021	09/17/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2, 3	10/04/2021	10/08/2021	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
71124.08 Radwaste, 71124.02 ALARA, and 71151 Performance Indicator Verification						1
3	10/18/2021	10/22/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
3	10/18/2021	10/22/2021	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
3	10/18/2021	10/22/2021	IP 71151	000746	Performance Indicator Verification	
Access Control, Equipment Testing and Maintenance						2
2, 3	11/01/2021	11/05/2021	IP 81200.02	000025	Access Control for Decommissioning Nuclear Power Reactors	
2, 3	11/01/2021	11/05/2021	IP 81200.04	000026	Equipment Performance, Testing, and Maintenance for Decommissioning Nuclear Power Reactors	