



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

March 4, 2019

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 05000247/2018006 AND 05000286/2018006)

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, 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 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 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, 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. In addition to the baseline inspections, the NRC will conduct Inspection Procedure (IP) 60855.1, "Operation of an Independent Spent Fuel Storage Facility (ISFSI) at Operating Plants," in April 2019.

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 twelve months of the inspection plan are tentative and may be revised.

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.

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 610-337-5262 with any questions you have regarding this letter.

Sincerely,

/RA/

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR INDIAN POINT ENERGY CENTER,
UNITS 2 AND 3 (REPORTS 05000247/2018006 AND 05000286/2018006)
DATED MARCH 4, 2019

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OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Indian Point

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
INDIAN POINT 2 INITIAL OL EXAM						4
2	01/06/2019	01/11/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2	02/03/2019	02/15/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
RP Occupational Dose and Rad Instrumentation; 71124.04 & 71124.05						1
2, 3	01/14/2019	01/17/2019	IP 71124.04	000728	Occupational Dose Assessment	
2, 3	01/14/2019	01/17/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
INSERVICE INSPECTION - UNIT 3						1
3	03/17/2019	03/30/2019	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
Radiological Exposure & Controls, IP 71124.01						1
2, 3	03/18/2019	03/22/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
ISFSI OPERATIONAL INSPECTION						2
2, 3	04/21/2019	04/27/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
EQ PROGRAM						3
2, 3	06/10/2019	06/14/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
2, 3	06/24/2019	06/28/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
EP PROGRAM INSPECTION						2
2, 3	07/15/2019	07/19/2019	IP 71114.02	000717	Alert and Notification System Testing	
2, 3	07/15/2019	07/19/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2, 3	07/15/2019	07/19/2019	IP 71114.05	000720	Maintenance of Emergency Preparedness	
2, 3	07/15/2019	07/19/2019	IP 71151	001397	Performance Indicator Verification	
PI&R BIENNIAL						4
2, 3	07/29/2019	08/02/2019	IP 71152B	000747	Problem Identification and Resolution	
2, 3	08/12/2019	08/16/2019	IP 71152B	000747	Problem Identification and Resolution	
RP Gas & Liquid Effluent Treatment Monitors; IP 71124.06 (RETS)						1
2, 3	09/09/2019	09/13/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
ACCESS CONTROL, EQUIP PERF, TRAINING						3
2, 3	09/09/2019	09/13/2019	IP 71130.02	000734	Access Control	
2, 3	09/09/2019	09/13/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	

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

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
ACCESS CONTROL, EQUIP PERF, TRAINING						3
2, 3	09/09/2019	09/13/2019	IP 71130.07	000739	Security Training	
2, 3	09/09/2019	09/13/2019	IP 71151	001338	Performance Indicator Verification	
CYBER FULL IMP						4
2, 3	09/16/2019	09/20/2019	IP 71130.10P	000741	Cyber Security	
2, 3	09/30/2019	10/04/2019	IP 71130.10P	000741	Cyber Security	
RAD HAZARD,DOSE ASSESSMENT, PI's 01, 04, PR01, OR01						1
2, 3	10/07/2019	10/11/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	10/07/2019	10/11/2019	IP 71124.04	000728	Occupational Dose Assessment	
IP3 REQUAL INSP WITH P/F RESULTS						2
3	10/13/2019	10/18/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
3	10/13/2019	10/18/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
Radwaste						1
2, 3	10/14/2019	10/18/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
MC&A						1
2, 3	10/20/2019	10/26/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
ISI - UNIT 2						1
2	03/09/2020	03/20/2020	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP Rad Hazards, ALARA, Airborne IP's 71124.01, .02, .03						1
2, 3	03/09/2020	03/13/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	03/09/2020	03/13/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	03/09/2020	03/13/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
Rad Environmental Monitoring Program; IP 71124.07 (REMP)						1
2, 3	05/18/2020	05/22/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	

IP 22 Inspection Activity Plan Report

Indian Point

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
TRIENNIAL FIRE PROTECTION						7
2, 3	06/08/2020	06/12/2020	IP 71111.05T	000696	Fire Protection (Triennial)	
2, 3	06/22/2020	06/26/2020	IP 71111.05T	000696	Fire Protection (Triennial)	
RP ALARA 71124.02						1
2, 3	08/03/2020	08/07/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
IP2 Requal Inspection with P/F Results						2
2	10/11/2020	10/16/2020	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
2	10/11/2020	10/16/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
RP Rad Hazard, ALARA, Airborne, Perf. Indicators; IP's 71124.01 - .03; 71151						1
2, 3	10/19/2020	10/23/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	10/19/2020	10/23/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	10/19/2020	10/23/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	10/19/2020	10/23/2020	IP 71124.04	000728	Occupational Dose Assessment	
Access Control, Protective Strategy, TSR						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 71130.14	000743	Review of Power Reactor Target Sets	
2, 3	10/19/2020	10/23/2020	IP 71151	001338	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	
INDIAN POINT EXERCISE INSPECTION						5
2, 3	11/16/2020	11/20/2020	IP 71114.01	000716	Exercise Evaluation	
2, 3	11/16/2020	11/20/2020	IP 71151	001397	Performance Indicator Verification	