



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

February 28, 2018

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR OYSTER CREEK
NUCLEAR GENERATING STATION (REPORTS 05000219/2017006
05000219/2017402 AND 05000219/2017501)**

Dear Mr. Hanson:

The NRC has completed its end-of-cycle performance assessment of Oyster Creek Nuclear Generating Station, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2017, through December 31, 2017. 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 Oyster Creek Nuclear Generating Station 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 your facility.

Note that Oyster Creek Nuclear Generating Station transitioned from the Regulatory Response Column to the Licensee Response Column on October 1, 2017, following the successful completion of Inspection Procedure 95001, "Supplemental Inspection Response to Action Matrix Column 2 Inputs," which was initiated due to one White finding in the Mitigating System cornerstone associated with the inoperability of the 'E' electromatic relief valve (ADAMS Accession No. ML17291A306).¹

The enclosed inspection plan lists the inspections scheduled through December 31, 2019. 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.

¹ The designation in parentheses refers to an Agencywide Documents Access and Management System (ADAMS) Accession Number. Documents referenced in this letter are publicly available using the Accession Number in ADAMS.

In a letter (ML18045A084) dated February 14, 2018, pursuant to 10 CFR 50.82(a)(1)(i), you notified the NRC of your intent to permanently cease power operations at Oyster Creek Nuclear Generating Station no later than October 31, 2018. 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 Oyster Creek Nuclear Generating Station is permanently shutdown, and that all the nuclear fuel has been removed from the reactor vessel, then Oyster Creek Nuclear Generating Station 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.

The NRC will also be performing Inspection Procedure 60855.1, "Operation of an ISFSI at Operating Plants," in the second quarter of 2018.

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 Mr. Matthew Young at 610-337-5205 with any questions you may have regarding this letter.

Sincerely,

/RA/

David L. Pelton, Acting Director
Division of Reactor Projects

Docket No. 50-219
License No. DPR-16

Enclosure:
Inspection/Plan Activity

SUBJECT: ANNUAL ASSESSMENT LETTTER FOR OYSTER CREEK
 NUCLEAR GENERATING STATION (REPORTS 05000219/2017006,
 05000219/2017402 and 05000219/2017501) DATED
 FEBRUARY 28, 2018

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DATE	2/28/18	2/28/18			

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Oyster Creek

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
EQ PROGRAM						3
1	01/29/2018	02/02/2018	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1	02/12/2018	02/16/2018	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
RADWASTE						1
1	02/05/2018	02/09/2018	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
ACCESS CONTROL, EQUIP PERF, TRAINING						3
1	04/09/2018	04/13/2018	IP 71130.02	000734	Access Control	
1	04/09/2018	04/13/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	04/09/2018	04/13/2018	IP 71130.07	000739	Security Training	
1	04/09/2018	04/13/2018	IP 71151	001338	Performance Indicator Verification	
ISFSI OPERATIONAL INSPECTION						2
1	04/23/2018	04/27/2018	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
RAD HAZARD, EXPOSURE CONTROL 01						1
1	05/21/2018	05/25/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
PI&R BIENNIAL						4
1	06/11/2018	06/15/2018	IP 71152B	000747	Problem Identification and Resolution	
50.59 PROCESS						3
1	07/23/2018	07/27/2018	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
EP PROGRAM INSPECTION						1
1	09/10/2018	09/14/2018	IP 71114.02	000717	Alert and Notification System Testing	
1	09/10/2018	09/14/2018	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	09/10/2018	09/14/2018	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	09/10/2018	09/14/2018	IP 71151	001397	Performance Indicator Verification	
UNIT 1 INSERVICE INSPECTION						1
1	09/24/2018	09/28/2018	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
RAD HAZARD, ALARA, AIRBORNE, DOSE ASSESS 01 02 03 04						1
1	09/24/2018	09/28/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	

This report does not include INPO and OUTAGE activities.
 This report shows only on-site and announced inspection procedures.

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Oyster Creek

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
RAD HAZARD, ALARA, AIRBORNE, DOSE ASSESS 01 02 03 04						1
1	09/24/2018	09/28/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	09/24/2018	09/28/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/24/2018	09/28/2018	IP 71124.04	000728	Occupational Dose Assessment	
RAD HAZARD, ALARA, AIRBORNE, DOSE ASSESS, PI's 01, 02, 03, 04, OR01, PR01						1
1	11/05/2018	11/09/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/05/2018	11/09/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	11/05/2018	11/09/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/05/2018	11/09/2018	IP 71124.04	000728	Occupational Dose Assessment	
1	11/05/2018	11/09/2018	IP 71151	000746	Performance Indicator Verification	
FORCE-ON-FORCE PLANNING & EXERCISE WEEK						7
1	11/26/2018	11/30/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	12/17/2018	12/21/2018	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
RAD HAZARD, ALARA, AIRBORNE, DOSE ASSESS 01, 02, 03, 04						1
1	01/14/2019	01/18/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	01/14/2019	01/18/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	01/14/2019	01/18/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	01/14/2019	01/18/2019	IP 71124.04	000729	Occupational Dose Assessment	
ACCESS AUTH & CONTROL, SGI CONTROL, FFD						3
1	01/28/2019	02/01/2019	IP 71130.01	000733	Access Authorization	
1	01/28/2019	02/01/2019	IP 71130.02	000734	Access Control	
1	01/28/2019	02/01/2019	IP 71130.06	000738	Protection of Safeguards Information	
1	01/28/2019	02/01/2019	IP 71130.08	000740	Fitness For Duty Program	
1	01/28/2019	02/01/2019	IP 71151	001338	Performance Indicator Verification	
Design Basis Assurance Inspection - Team						6
1	03/04/2019	03/08/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1	03/18/2019	03/22/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
OYSTER CREEK REQUAL INSP W/ P/F RESULTS						2
1	06/10/2019	06/14/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance - Annual	

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Oyster Creek

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
OYSTER CREEK REQUAL INSP W/ P/F RESULTS						2
1	06/10/2019	06/14/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
RAD GAS AND LIQUID EFFLUENT TREATMENT (RETS) 06						1
1	06/17/2019	06/21/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
RP REMP 07						1
1	07/15/2019	07/19/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
MC&A						1
1	07/22/2019	07/26/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
EP EXERCISE INSPECTION						2
1	10/07/2019	10/11/2019	IP 71114.01	000716	Exercise Evaluation	
1	10/07/2019	10/11/2019	IP 71151	001397	Performance Indicator Verification	
RAD HAZARD, DOSE ASSESS, PI's 01, 04, PR01, OR01						1
1	10/21/2019	10/25/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	10/21/2019	10/25/2019	IP 71124.04	000729	Occupational Dose Assessment	
1	10/21/2019	10/25/2019	IP 71151	000746	Performance Indicator Verification	
RAD INSTRUMENTATION 05						1
1	11/18/2019	11/22/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	