



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BLVD.
KING OF PRUSSIA, PA 19406-2713**

August 31, 2016

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

**SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR OYSTER CREEK
NUCLEAR GENERATING STATION (REPORT 05000219/2016005)**

Dear Mr. Hanson:

On August 9, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Oyster Creek Nuclear Generating Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2015, through June 30, 2016. 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 determined the performance at Oyster Creek Nuclear Generating Station during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because one finding of White significance, associated with the Mitigating Systems cornerstone, was identified in the first quarter 2016 integrated inspection report (ADAMS Accession No. ML16132A436). The finding was associated with inadequate work instruction to replace the Emergency Diesel Generator (EDG) cooling flexible coupling hoses as specified by Exelon's procedure and vendor information. The final significance determination and follow-up assessment letter for this finding was issued on July 6, 2016 (ML16188A014). In that letter we informed you that Oyster Creek had transitioned to the Regulatory Response Column of the ROP Action Matrix retroactive to the first quarter of 2016. On June 14, 2016, your staff notified the NRC of your readiness for the NRC to conduct a supplemental inspection to review the actions taken to address the performance issues.

Therefore, in addition to ROP baseline inspections, the NRC conducted a supplemental inspection in accordance with Inspection Procedure (IP) 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," during the week of July 25, 2016. The objectives of the 95001 inspection were to provide assurance that the root cause and contributing causes of risk significant performance issues were understood, the extent of condition and extent of cause were understood, and the corrective actions were sufficient to address the root and contributing causes and prevent recurrence. The NRC determined that Exelon met the objectives of IP 95001. The NRC closed the White finding and notified you of the results of this inspection via follow-up assessment letter and Inspection Report 05000219/2016011 dated August 10, 2016, (ML16228A053) which also informed Exelon that Oyster Creek will remain in the Regulatory Response Column for a full four quarters following the identification of the White finding in January 2016.

The enclosed inspection plan lists the inspections scheduled through June 30, 2018. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last half of the inspection period in the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues.

The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," and Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." The NRC conducted audits of licensee efforts towards compliance with these Orders, and the information gathered will aid staff in development of the ultimate Final Safety Evaluation for Oyster Creek. After the NRC staff receives the Final Compliance letter for the site, the Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 2515-191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

In Staff Requirements Memorandum – SECY 16-0009, "Recommendations Resulting from the Integrated Prioritization and Re-Baselining of Agency Activities," (ADAMS Accession # ML16104A158) the Commission approved the NRC staff recommendation to discontinue the formal mid-cycle assessment process beginning in calendar year 2017. This will be the final mid-cycle assessment letter. The staff will continue to conduct assessment reviews and communicate changes in the assessment of licensee performance quarterly, and will also issue end-of-cycle assessment letters.

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).

B. Hanson

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Please contact Silas Kennedy at (610) 337-5046 with any questions you have regarding this letter.

Sincerely,

/RA/

Michael L. Scott, Director
Division of Reactor Projects

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

Enclosure:
Inspection Plan

B. Hanson

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Please contact Silas Kennedy at (610) 337-5046 with any questions you have regarding this letter.

Sincerely,

/RA/

Michael L. Scott, Director
Division of Reactor Projects

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

Enclosure:
Inspection Plan

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-17 Mid-Cycle Review\Branch 6\Oyster Creek\OC ROP-17 Mid-Cycle Letter Final.docx ADAMS ML16235A079

<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	RI/DRP	RI/DRP		
NAME	SRKennedy/SWR for	SShaffer/SWR	MLScott/MLScott		
DATE	08/17/16	08/17/16	08/19/16		

OFFICIAL RECORD COPY

Oyster Creek
 Inspection / Activity Plan
 07/01/2016 - 06/30/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			7111121 - CDBI		6
1	06/27/2016	07/01/2016	IP 7111121	Component Design Bases Inspection	
1	07/11/2016	07/15/2016	IP 7111121	Component Design Bases Inspection	
			95001 - FOLLOW UP FOR WHITE NOV (FLEX HOSE-EDG)		2
1	07/25/2016	07/29/2016	IP 95001	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
			PI&R - BULK DRYWELL TEMPERATURE		1
1	08/22/2016	08/24/2016	IP 71152-Reviews	In-depth Reviews	
			71124 - 01 EXPOSURE CONTROL		1
1	08/29/2016	09/01/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			71124 - 02 ALARA		1
1	08/29/2016	09/01/2016	IP 71124.02	Occupational ALARA Planning and Controls	
			7111108G - INSERVICE INSPECTION		1
1	09/26/2016	09/30/2016	IP 7111108G	Inservice Inspection Activities - BWR	
			EP - EP PROGRAM INSPECTION		1
1	09/26/2016	09/30/2016	IP 7111402	Alert and Notification System Testing	
1	09/26/2016	09/30/2016	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	09/26/2016	09/30/2016	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			71124 - 01EXPOCONTROL02 ALARA 03 AIRBORNE04 DOSE		1
1	09/26/2016	09/30/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/26/2016	09/30/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/26/2016	09/30/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/26/2016	09/30/2016	IP 71124.04	Occupational Dose Assessment	
			71152BI - PI&R BIENNIAL		4
1	10/31/2016	11/04/2016	IP 71152B	Problem Identification and Resolution	
1	11/14/2016	11/18/2016	IP 71152B	Problem Identification and Resolution	
			71124 - 71151 PI VERIFY 71124.01 .02 .03 .04		1
1	11/07/2016	11/11/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/07/2016	11/11/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1	11/07/2016	11/11/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/07/2016	11/11/2016	IP 71124.04	Occupational Dose Assessment	
1	11/07/2016	11/11/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	11/07/2016	11/11/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	

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

Oyster Creek
Inspection / Activity Plan
07/01/2016 - 06/30/2018

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			71124 - 71124.01 RAD EXPOSURE CONTROL		1
1	03/06/2017	03/09/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
			7111105T - TRIENNIAL FIRE PROTECTION		4
1	03/20/2017	03/24/2017	IP 7111105T	Fire Protection [Triennial]	
1	04/03/2017	04/07/2017	IP 7111105T	Fire Protection [Triennial]	
			7111111B - OYSTER CREEK REQUAL INSP W/ P/F RESULTS		2
1	06/05/2017	06/09/2017	IP 7111111B	Licensed Operator Requalification Program	
			71124 - RAD ENV TEAM INSPECT 71124.05 06 07		3
1	06/19/2017	06/23/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1	06/19/2017	06/23/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	06/19/2017	06/23/2017	IP 71124.07	Radiological Environmental Monitoring Program	
			EP - EP EXERCISE EVALUATION		4
1	09/25/2017	09/29/2017	IP 7111401	Exercise Evaluation	
1	09/25/2017	09/29/2017	IP 71151	Performance Indicator Verification	
			71124 - 71151PI VERIFY71124.01RADEXP 05 RAD MONT		1
1	11/06/2017	11/09/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	11/06/2017	11/09/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1	11/06/2017	11/09/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	11/06/2017	11/09/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			71124.08 - RADWASTE		1
1	02/05/2018	02/09/2018	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			7111117T - PERMANENT PLANT MODIFICATIONS		3
1	01/29/2018	02/02/2018	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1	02/12/2018	02/16/2018	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			HEAT - TRIENNIAL HEAT SINK		1
1	03/19/2018	03/23/2018	IP 7111107T	Heat Sink Performance	
			71124.01 - 01 EXPOSURE CONTROL		1
1	05/21/2018	05/24/2018	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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