



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

September 1, 2021

Mr. David P. Rhoades
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: UPDATED INSPECTION PLAN FOR THE CALVERT CLIFFS NUCLEAR
POWER PLANT, UNITS 1 AND 2 (REPORT 05000317/2021005 AND
05000318/2021005)

Dear Mr. Rhoades:

The enclosed inspection plan lists the inspections scheduled through June 30, 2023, for Calvert Cliffs Nuclear Power Plant (Calvert Cliffs), Units 1 and 2. The U.S. Nuclear Regulatory Commission (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. 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.

Inspection Procedure (IP) 71111.21N.03 is included in the inspection plan as a placeholder for your next Design Basis Assurance Inspection (Programs). The NRC is still determining the specific technical area to replace the previously performed power-operated valves programs inspection, IP 71111.21N.02. Once the inspection area has been determined, an IP will be issued publicly at least six months prior to the start of this inspection.

In response to the COVID-19 public health emergency (PHE), the NRC is adjusting inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the Reactor Oversight Process (ROP). Each planned inspection is being carefully reviewed in order to determine if any portions of the inspection can be performed remotely, determine how best to perform on-site portions to minimize personnel health risks, and adjust inspection schedules if needed. This is done in accordance with guidance contained in the February 1, 2021 memo, "Calendar Year 2021 Inspection Guidance During COVID-19 Telework Restrictions" (ML21027A274). For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission

during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

The NRC will also be performing baseline inspections of licensee cyber security programs. The specific schedule and procedure to be used for these inspections is being developed by the NRC staff. The staff expects to communicate the schedule for these inspections to each utility separately.

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 Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site 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,

Matthew R. Young, Chief
Projects Branch 5
Division of Operating Reactor Safety

Docket Nos. 05000317 and 05000318
License Nos. DPR-53 and DPR-69

Enclosure:
Calvert Cliffs Inspection Plan

cc w/encl: Distribution via ListServ®

SUBJECT: UPDATED INSPECTION PLAN FOR THE CALVERT CLIFFS NUCLEAR POWER PLANT, UNITS 1 AND 2 (REPORT 05000317/2021005 AND 05000318/2021005) DATED SEPTEMBER 1, 2021

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DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-22 Second Quarter Process/Branch 5/ROP-22 Region I Inspection Plan Transmittal Letter-CC.docx>

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OFFICE	RI/DORS	RI/DORS			
NAME	LCline	MYoung			
DATE	8/26/21	8/27/21			

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IP 22b Site Inspection Activity Plan

Calvert Cliffs

07/01/2021 - 06/30/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
Rad Safety - Shipping and Radwaste						1
1, 2	7/12/2021	7/16/2021	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
TI-194 Open Phase Condition Inspection - CC						2
1, 2	7/12/2021	7/14/2021	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
PI&R BIENNIAL Team Inspection - CC						4
1, 2	8/16/2021	8/20/2021	IP 71152B	000747	Problem Identification and Resolution	
1, 2	8/30/2021	9/3/2021	IP 71152B	000747	Problem Identification and Resolution	
EP EXERCISE INSPECTION - CALVERT CLIFFS						5
1, 2	9/13/2021	9/17/2021	IP 71114.01	000716	Exercise Evaluation	
1, 2	9/13/2021	9/17/2021	IP 71151	001397	Performance Indicator Verification	
Radiation Safety - REMP						1
1, 2	9/13/2021	9/17/2021	IP 71124.07	000731	Radiological Environmental Monitoring Program	
Access Control, Protective Strategy, TSR, SPR						4
1, 2	9/20/2021	9/24/2021	IP 71130.02	000734	Access Control	
1, 2	9/20/2021	9/24/2021	IP 71130.05	000737	Protective Strategy Evaluation	
1, 2	9/20/2021	9/24/2021	IP 71130.09	001656	Security Plan Changes	
1, 2	9/20/2021	9/24/2021	IP 71130.14	000743	Review of Power Reactor Target Sets	
1, 2	9/20/2021	9/24/2021	IP 71151	001338	Performance Indicator Verification	
ISFSI Dry Run & Operational Inspection - CC						2
1, 2	9/27/2021	10/1/2021	IP 60854	001000	Preoperational Testing Of An ISFSI	
1, 2	10/18/2021	10/22/2021	IP 60854	001000	Preoperational Testing Of An ISFSI	
1, 2	10/18/2021	10/22/2021	IP 60856	001003	Review of 10 CFR 72.212(b) Evaluations	
1, 2	10/25/2021	10/29/2021	IP 60855	001001	Operation Of An ISFSI	
Radiation Safety - RETS & PIV						1
1, 2	10/25/2021	10/29/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	10/25/2021	10/29/2021	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1, 2	10/25/2021	10/29/2021	IP 71151	000746	Performance Indicator Verification	
CC Requal Inspection with P/F Results						2
1, 2	11/15/2021	11/19/2021	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
1, 2	11/15/2021	11/19/2021	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	

IP 22b Site Inspection Activity Plan

Rad Safety - Rad Hazards						1
1, 2	2/7/2022	2/11/2022	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Inservice Inspection - Calvert Cliffs Unit 1						1
1	2/14/2022	2/25/2022	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - CC						6
1, 2	4/11/2022	4/15/2022	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1, 2	5/2/2022	5/6/2022	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
Rad Safety - Airborne						1
1, 2	5/9/2022	5/13/2022	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
License Renewal Phase 4 - Calvert Cliffs Units 1 and 2						4
1, 2	6/13/2022	6/17/2022	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
FY22 Calvert Cliffs Initial Operator Examination						4
1, 2	6/20/2022	6/24/2022	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1, 2	7/10/2022	7/22/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Material Control and Accountability - Calvert Cliffs						1
1, 2	8/8/2022	8/12/2022	IP 71130.11	000742	Material Control and Accounting (MC&A)	
EP PROGRAM INSPECTION - CALVERT CLIFFS						1
1, 2	8/29/2022	9/2/2022	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	8/29/2022	9/2/2022	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	8/29/2022	9/2/2022	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	8/29/2022	9/2/2022	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1, 2	8/29/2022	9/2/2022	IP 71151	001397	Performance Indicator Verification	
Rad Safety - Dosimetry & PIV						1
1, 2	9/5/2022	10/31/2022	IP 71151	000746	Performance Indicator Verification	
1, 2	9/12/2022	9/16/2022	IP 71124.04	000728	Occupational Dose Assessment	
Fire Protection - Calvert Cliffs						3
1, 2	10/17/2022	10/21/2022	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1, 2	10/31/2022	11/4/2022	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
SEC, Access Control, Equip Perf, Sec Trng, Sec Plan rev, PI						3
1, 2	11/14/2022	11/18/2022	IP 71130.02	000734	Access Control	
1, 2	11/14/2022	11/18/2022	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	11/14/2022	11/18/2022	IP 71130.07	000739	Security Training	
1, 2	11/14/2022	11/18/2022	IP 71130.09	001656	Security Plan Changes	
1, 2	11/14/2022	11/18/2022	IP 71151	001338	Performance Indicator Verification	
Inservice Inspection - Calvert Cliffs Unit 2						1
2	2/20/2023	3/3/2023	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	

IP 22b Site Inspection Activity Plan

Rad Safety - 71124.01/.02 Rad Hazards and ALARA

1

1, 2	2/20/2023	2/24/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls
1, 2	2/20/2023	2/24/2023	IP 71124.02	000726	Occupational ALARA Planning and Controls

Access Control, AA, FFD Sec Plan Review, PI, ISFSI-CC

3

1, 2	4/3/2023	4/7/2023	IP 71130.01	000733	Access Authorization
1, 2	4/3/2023	4/7/2023	IP 71130.02	000734	Access Control
1, 2	4/3/2023	4/7/2023	IP 71130.08	000740	Fitness For Duty Program
1, 2	4/3/2023	4/7/2023	IP 71130.09	001656	Security Plan Changes
1, 2	4/3/2023	4/7/2023	IP 71151	001338	Performance Indicator Verification
1, 2	4/3/2023	4/7/2023	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations

Rad Safety - 71124.05 Instruments

1

1, 2	4/10/2023	4/14/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation
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Design Basis Assurance Inspection - Programs - TBD - Calvert Cliffs

3

1, 2	5/22/2023	6/9/2023	IP 71111.21N.03		Design Bases Assurance Inspections (Programs) 2023
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FY23 Calvert Cliffs Initial License Exam

4

1, 2	5/7/2023	5/12/2023	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)
1, 2	6/4/2023	6/16/2023	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)