



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD, SUITE 102  
KING OF PRUSSIA, PA 19406-1415

August 29, 2024

David P. Rhoades  
Senior Vice President  
Constellation Energy Generation, LLC  
President and Chief Nuclear Officer (CNO)  
Constellation Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: UPDATED INSPECTION PLAN FOR LIMERICK GENERATING STATION,  
UNITS 1 AND 2 (REPORT 05000352/2024005 AND 05000353/2024005)

Dear David Rhoades:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for Limerick Generating Station, Units 1 and 2. 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. The inspections listed during the last 12 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.

In addition to baseline inspections, the NRC will conduct Inspection Procedure 37060, "10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection," for Units 1 and 2 in March 2025.

The NRC will also be performing an inspection of your modification of instrumentation and control systems to digital in accordance with Inspection Procedure 52003, "Digital Instrumentation and Control Modification Inspection." The specific schedule to be used for this inspection is being developed by NRC staff to coincide with specific milestones and activities in your project plan. NRC staff will communicate the specific schedule with you as it is identified.

This letter and its enclosure 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 Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact me at 610-337-5337 with any questions you have regarding this letter.

Sincerely,

Jonathan E. Greives, Chief  
Projects Branch 4  
Division of Operating Reactor Safety

Docket Nos. 05000352 and 05000353  
License Nos. NPF-39 and NPF-85

Enclosure:  
Limerick Inspection Plan

cc w/encl: Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR LIMERICK GENERATING STATION,  
 UNITS 1 AND 2 (REPORT 05000352/2024005 AND 05000353/2024005)  
 DATED AUGUST 29, 2024

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- RidsNrrPMLimerick Resource
- RidsNrrDorlLpl1 Resource
- DORS Specialist Branch Chiefs
- DRSS Reactor Branch Chiefs
- DTiftt, RI, SLO
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- ROPassessment Resource

DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-25 Second Quarter Process/Branch 4/ROP-25 Limerick Inspection Plan Transmittal Letter.docx>  
 ADAMS Accession No. ML24240A215

<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/DORS	RI/DORS			
NAME	JSchussler	JGreives			
DATE	8/27/24	8/27/24			

OFFICIAL RECORD COPY

# Site Inspection Activity Plan

## Limerick

07/01/2024 - 06/30/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - LIM</b>						5
1,2	8/5/2024	8/9/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	8/26/2024	8/30/2024	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>RP - 71124.03 Airborne and 71124.04 Dose</b>						1
1,2	8/19/2024	8/29/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	8/19/2024	8/29/2024	IP 71124.04	000728	Occupational Dose Assessment	
<b>2024 Limerick Initial Licensing Exam</b>						5
1,2	9/12/2024	9/20/2024	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
1,2	11/11/2024	11/22/2024	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
<b>Commercial Grade Dedication - Limerick</b>						3
1,2	9/16/2024	9/20/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
1,2	9/30/2024	10/4/2024	IP 71111.21N.03	001808	Commercial Grade Dedication	
<b>RP - 71124.06 RETS</b>						1
1,2	9/16/2024	9/20/2024	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
<b>RP - 71124.08 Radwaste and 71151 PIV</b>						1
1,2	11/4/2024	11/8/2024	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
1,2	11/4/2024	11/8/2024	IP 71151	000746	Performance Indicator Verification	
<b>EP Program Inspection - Limerick</b>						1
1,2	11/4/2024	11/8/2024	IP 71114.02	000717	Alert and Notification System Testing	
1,2	11/4/2024	11/8/2024	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	11/4/2024	11/8/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	11/4/2024	11/8/2024	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	11/4/2024	11/8/2024	IP 71151	001397	Performance Indicator Verification	
<b>Comprehensive Engineering Team Inspection - Limerick</b>						7
1,2	1/13/2025	1/17/2025	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
1,2	1/20/2025	1/24/2025	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
1,2	1/27/2025	1/31/2025	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
<b>10 CFR 50.69 - Risk Informed SSC Implementation - Limerick</b>						3
1,2	3/24/2025	3/28/2025	IP 37060	000521	10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection	
<b>Inservice Inspection - Limerick Unit 2</b>						1
2	5/5/2025	5/9/2025	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RP- 71124.01 Rad Hazards</b>						1

# Site Inspection Activity Plan

2	5/12/2025	5/16/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>RP - 71124.05 Rad. Instrumentation</b>						1
1,2	8/18/2025	8/22/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>RP - 71124.07 REMP</b>						1
1,2	9/22/2025	9/26/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>Access Control, Protective Strategy, TSR, SPR, Pls - LIM</b>						4
1,2	9/29/2025	10/3/2025	IP 71130.02	000734	Access Control	
1,2	9/29/2025	10/3/2025	IP 71130.05	000737	Protective Strategy Evaluation	
1,2	9/29/2025	10/3/2025	IP 71130.09	001656	Security Plan Changes	
1,2	9/29/2025	10/3/2025	IP 71130.14	000743	Review of Power Reactor Target Sets	
1,2	9/29/2025	10/3/2025	IP 71151	001338	Performance Indicator Verification	
<b>Material Control and Accounting - Limerick</b>						1
1,2	10/27/2025	10/31/2025	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>Limerick Requal Inspection with P/F Results</b>						2
1,2	11/3/2025	11/7/2025	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
1,2	11/3/2025	11/7/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
<b>RP- 71151 PIV</b>						1
1,2	11/10/2025	11/14/2025	IP 71151	001397	Performance Indicator Verification	
<b>EP Exercise Inspection - Limerick</b>						5
1,2	11/17/2025	11/21/2025	IP 71114.01	000716	Exercise Evaluation	
1,2	11/17/2025	11/21/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	11/17/2025	11/21/2025	IP 71151	001397	Performance Indicator Verification	
<b>Cyber Security - Limerick</b>						4
1,2	12/8/2025	12/12/2025	IP 71130.10	000741	Cybersecurity	
<b>Sec - AA, FFD - Lim</b>						2
1,2	1/12/2026	1/16/2026	IP 71130.01	000733	Access Authorization	
1,2	1/12/2026	1/16/2026	IP 71130.08	000740	Fitness-For-Duty Program	
1,2	2/23/2026	2/27/2026	IP 71130.01	000733	Access Authorization	
1,2	2/23/2026	2/27/2026	IP 71130.08	000740	Fitness-For-Duty Program	
<b>2026 Limerick Initial License Operator Exam</b>						5
1,2	2/2/2026	2/6/2026	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
1,2	3/2/2026	3/6/2026	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
<b>EP Program Inspection - Limerick</b>						1
1,2	3/9/2026	3/13/2026	IP 71114.02	000717	Alert and Notification System Testing	
1,2	3/9/2026	3/13/2026	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	

# Site Inspection Activity Plan

1,2	3/9/2026	3/13/2026	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	3/9/2026	3/13/2026	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	3/9/2026	3/13/2026	IP 71151	001397	Performance Indicator Verification	
<b>Inservice Inspection - Limerick Unit 1</b>						1
1	4/27/2026	5/1/2026	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RP - 71124.01 Rad Hazards</b>						1
1	5/4/2026	5/8/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
<b>RP - 71124.03 Resp. Protection and 71124.04 Occupational Dose</b>						1
1,2	6/1/2026	6/5/2026	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	6/1/2026	6/5/2026	IP 71124.04	000728	Occupational Dose Assessment	
<b>PI&amp;R Biennial Team Inspection - Limerick</b>						4
1,2	6/8/2026	6/12/2026	IP 71152B	000747	Problem Identification and Resolution	
1,2	6/22/2026	6/26/2026	IP 71152B	000747	Problem Identification and Resolution	