



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

August 29, 2024

Barry Blair
Site Vice President
Vistra Operations Company, LLC
Beaver Valley Power Station
P. O. Box 4 – Route 168
Shippingport, PA 15077-0004

**SUBJECT: UPDATED INSPECTION PLAN FOR BEAVER VALLEY POWER STATION,
UNITS 1 AND 2 (REPORTS 05000334/2024005 AND 05000412/2024005)**

Dear Barry Blair:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for Beaver Valley Power 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.

As noted in the attached inspection plan, in addition to baseline inspections, the NRC will implement Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal," Phase 1 and 4, at your facility.

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) 337-5205 with any questions you have regarding this letter.

Sincerely,

Matt R. Young, Chief
Projects Branch 2
Division of Operating Reactor Safety

Docket Nos. 05000334 and 05000412
License Nos. DPR-66 and NPF-73

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: UPDATED INSPECTION PLAN FOR BEAVER VALLEY POWER STATION,
 UNITS 1 AND 2 (REPORTS 05000334/2024005 AND 5000412/2024005)
 DATED AUGUST 29, 2024

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 ROPAssessment Resource

DOCUMENT NAME: https://usnrc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-25 Second Quarter Process/Branch 2/ROP-25 Region I Inspection Plan Transmittal Letter_BV.docx
 ADAMS Accession No. ML24240A065

<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	SEIkhiamy	MYoung			
DATE	8/27/2024	8/27/2024			

OFFICIAL RECORD COPY

Site Inspection Activity Plan

Beaver Valley

07/01/2024 - 06/30/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
Comprehensive Engineering Team Inspection - Beaver Valley						7
1,2	7/15/2024	7/19/2024	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
1,2	7/29/2024	8/2/2024	IP 71111.21M	000713	Comprehensive Engineering Team Inspection	
Access Control, Protective Strategy, TSR, SPR						4
1,2	8/5/2024	8/8/2024	IP 71130.02	000734	Access Control	
1,2	8/5/2024	8/8/2024	IP 71130.05	000737	Protective Strategy Evaluation	
1,2	8/5/2024	8/8/2024	IP 71130.09	001656	Security Plan Changes	
1,2	8/5/2024	8/8/2024	IP 71130.14	000743	Review of Power Reactor Target Sets	
1,2	8/5/2024	8/8/2024	IP 71151	001338	Performance Indicator Verification	
License Renewal Phase 4 - Beaver Valley Unit 1						4
1	9/9/2024	9/13/2024	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
RP - 71124.08 Rad Waste - BV						1
1,2	9/16/2024	9/20/2024	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
2024 BV2 Initial Operator Licensing Exam						4
2	8/26/2024	8/30/2024	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
2	10/6/2024	10/11/2024	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
Inservice Inspection - Beaver Valley Unit 2						1
2	10/14/2024	11/1/2024	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP - 71151 PI Verification - BV						1
1,2	11/12/2024	11/15/2024	IP 71151	000746	Performance Indicator Verification	
RP Airborne 71124.03 and Dose Assessment 71124.04 - BV						1
1,2	1/26/2025	1/31/2025	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	1/26/2025	1/31/2025	IP 71124.04	000728	Occupational Dose Assessment	
Fire Protection - Beaver Valley						3
1,2	3/3/2025	3/7/2025	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
1,2	3/17/2025	3/21/2025	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
RP RETS 71124.06 - BV						1
1,2	3/3/2025	3/7/2025	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
Access Control, Maintenance, Sec Trng, SPR, PIs - BV						3
1,2	4/14/2025	4/18/2025	IP 71130.02	000734	Access Control	
1,2	4/14/2025	4/18/2025	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1,2	4/14/2025	4/18/2025	IP 71130.07	000739	Security Training	

Site Inspection Activity Plan

1,2	4/14/2025	4/18/2025	IP 71130.09	001656	Security Plan Changes	
1,2	4/14/2025	4/18/2025	IP 71151	001338	Performance Indicator Verification	
PI&R Biennial Team Inspection - Beaver Valley						4
1,2	4/28/2025	5/2/2025	IP 71152B	000747	Problem Identification and Resolution	
1,2	5/12/2025	5/16/2025	IP 71152B	000747	Problem Identification and Resolution	
EP Program Inspection - Beaver Valley						2
1,2	5/5/2025	5/9/2025	IP 71114.02	000717	Alert and Notification System Testing	
1,2	5/5/2025	5/9/2025	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1,2	5/5/2025	5/9/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	5/5/2025	5/9/2025	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1,2	5/5/2025	5/9/2025	IP 71151	001397	Performance Indicator Verification	
RP REMP 71124.07 - BV						1
1,2	5/19/2025	5/23/2025	IP 71124.07	000731	Radiological Environmental Monitoring Program	
BV2 Requal Inspection with P/F Results						2
2	7/21/2025	7/25/2025	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
2	7/21/2025	7/25/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
Cyber Security - Beaver Valley						4
1,2	8/18/2025	8/22/2025	IP 71130.10	000741	Cybersecurity	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - BV						5
1,2	8/4/2025	8/8/2025	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1,2	8/25/2025	8/29/2025	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2025 BV2 Initial Operator Licensing Exam						5
2	9/7/2025	9/13/2025	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)	
2	10/5/2025	10/11/2025	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)	
Inservice Inspection - Beaver Valley Unit 1						1
1	10/6/2025	10/17/2025	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP Rad Hazard Assessment and Exposure Control 71124.01 - BV						1
1,2	10/19/2025	10/24/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
AA, FFD - BV						2
1,2	12/8/2025	12/12/2025	IP 71130.01	000733	Access Authorization	
1,2	12/8/2025	12/12/2025	IP 71130.08	000740	Fitness-For-Duty Program	
RP PI Verification 71151 - BV						1
1,2	12/15/2025	12/19/2025	IP 71151	000746	Performance Indicator Verification	
Commercial Grade Dedication - Beaver Valley						3
1,2	2/9/2026	2/13/2026	IP 71111.21N.03	001808	Commercial Grade Dedication	

Site Inspection Activity Plan

1,2	2/23/2026	2/27/2026	IP 71111.21N.03	001808	Commercial Grade Dedication	
BV1 Biennial Requal Inspection						2
1	3/9/2026	3/13/2026	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
License Renewal Phase 1 - Beaver Valley Unit 2						1
2	4/27/2026	5/8/2026	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
Inservice Inspection - Beaver Valley Unit 2						1
2	4/27/2026	5/8/2026	IP 71111.08P	000702	Inservice Inspection Activities (PWR)	
RP Rad Hazard Assessment and Exposure Control 71124.01 - BV						1
1,2	4/27/2026	5/1/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Sec - Access Control, Equipment Testing and Maintenance, Training, SPR, PI Verification - BV						3
1,2	6/1/2026	6/5/2026	IP 71130.02	000734	Access Control	
1,2	6/1/2026	6/5/2026	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1,2	6/1/2026	6/5/2026	IP 71130.07	000739	Security Training	
1,2	6/1/2026	6/5/2026	IP 71130.09	001656	Security Plan Changes	
1,2	6/1/2026	6/5/2026	IP 71151	001338	Performance Indicator Verification	
EP Exercise Inspection - Beaver Valley						5
1,2	6/8/2026	6/12/2026	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1,2	6/8/2026	6/12/2026	IP 71114.07	000722	Exercise Evaluation - Hostile Action (HA) Event	
1,2	6/8/2026	6/12/2026	IP 71151	001397	Performance Indicator Verification	