



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION IV
1600 EAST LAMAR BOULEVARD
ARLINGTON, TEXAS 76011-4511

August 09, 2024

Robert Schuetz, Chief Executive Officer
Energy Northwest
MD 1023
P.O. Box 968
Richland, WA 99352

SUBJECT: COLUMBIA GENERATING STATION – INTEGRATED INSPECTION
REPORT 05000397/2024002

Dear Robert Schuetz:

On June 30, 2024, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Columbia Generating Station. On July 25, 2024, the NRC inspectors discussed the results of this inspection with Dave Brown, Site Vice President, and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

This letter, its enclosure, and your response (if any) 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."

Sincerely,

A handwritten signature in black ink, appearing to read "Patricia Vossmar".

Signed by Vossmar, Patricia
on 08/09/24

Patricia J. Vossmar, Chief
Reactor Projects Branch A
Division of Operating Reactor Safety

Docket No. 05000397
License No. NPF-21

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

COLUMBIA GENERATING STATION – INTEGRATED INSPECTION REPORT
 05000397/2024002 DATED AUGUST 09, 2024.

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DOCUMENT NAME: COLUMBIA GENERATING STATION – INTEGRATED INSPECTION REPORT
 05000397/2024002

ADAMS ACCESSION NUMBER: **ML24212A054**

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Number: 05000397

License Number: NPF-21

Report Number: 05000397/2024002

Enterprise Identifier: I-2024-002-0000

Licensee: Energy Northwest

Facility: Columbia Generating Station

Location: Richland, WA

Inspection Dates: April 1, 2024, to June 30, 2024

Inspectors: J. Brodlowicz, Resident Inspector
L. Carson, Senior Health Physicist
D. Dodson, Senior Reactor Inspector
N. Greene, Senior Health Physicist
S. Hedger, Senior Emergency Preparedness Inspector
C. Highley, Senior Resident Inspector
C. Rosales-Cooper, Senior Emergency Preparedness Specialist

Approved By: Patricia J. Vossmar, Chief
Reactor Projects Branch A
Division of Operating Reactor Safety

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an integrated inspection at Columbia Generating Station, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

Type	Issue Number	Title	Report Section	Status
LER	05000397/2024-001-00	Failure to Track Operability Requirements of Transversing In-Core Probe Valves	71153	Closed

PLANT STATUS

The unit began the inspection period at rated thermal power. On May 1, 2024, the unit was down powered to 32 percent for repair of the adjustable speed drive system for reactor recirculation pump A. The unit was returned to rated thermal power on May 2, 2024. The unit was down powered on June 9, 2024, for preventive maintenance on the reactor recirculation pump adjustable speed drive system. The station was restored to rated thermal power on June 11, 2024, and remained at or near to rated thermal power for the remainder of the inspection period.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2515, "Light-Water Reactor Inspection Program - Operations Phase." The inspectors performed activities described in IMC 2515, Appendix D, "Plant Status," observed risk significant activities, and completed on-site portions of IPs. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

REACTOR SAFETY

71111.01 - Adverse Weather Protection

Seasonal Extreme Weather Sample (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated readiness for seasonal extreme weather conditions prior to the onset of summer and seasonal high temperatures for the following systems:
 - Ashe switchyard, reactor building heating, ventilation, and air conditioning (HVAC), service water, and vital switchgear HVAC on June 11, 2024

71111.04 - Equipment Alignment

Partial Walkdown Sample (IP Section 03.01) (4 Samples)

The inspectors evaluated system configurations during partial walkdowns of the following systems/trains:

- (1) protected equipment lineup with emergency diesel generator 3 out of service on April 22, 2024
- (2) high-pressure core spray on May 12, 2024
- (3) 'A' residual heat removal system with 'C' out of service on May 20, 2024
- (4) emergency diesel generator 3 lineup before the high-pressure core spray surveillance on June 24, 2024

71111.05 - Fire Protection

Fire Area Walkdown and Inspection Sample (IP Section 03.01) (5 Samples)

The inspectors evaluated the implementation of the fire protection program by conducting a walkdown and performing a review to verify program compliance, equipment functionality, material condition, and operational readiness of the following fire areas:

- (1) radwaste building all floors, fire area RC-1, on April 18, 2024
- (2) HVAC equipment room 'A' and 'B', fire areas RC-11 and 12, on May 24, 2024
- (3) reactor building residual heat removal train B heat exchanger rooms on 548-foot and 572-foot elevations, fire area R-4/2, on May 30, 2024
- (4) cable chase room and reactor protection system (RPS) division 1, fire areas RC-3 and 4, on June 17, 2024
- (5) 422 equipment room and 'A' residual heat removal room, R-5 and R-15, on June 24, 2024

Fire Brigade Drill Performance Sample (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated the onsite fire brigade training and performance during an unannounced fire drill on April 8, 2024.

71111.07A - Heat Exchanger/Sink Performance

Annual Review (IP Section 03.01) (1 Sample)

The inspectors evaluated readiness and performance of:

- (1) residual heat removal heat exchanger A, RHR-HX-1A1, on June 10, 2024

71111.11Q - Licensed Operator Requalification Program and Licensed Operator Performance

Licensed Operator Performance in the Actual Plant/Main Control Room (IP Section 03.01) (1 Sample)

- (1) The inspectors observed and evaluated licensed operator performance in the control room during a reactor down power and entry into single loop operations in preparation for adjustable speed drive work on May 2, 2024.

Licensed Operator Requalification Training/Examinations (IP Section 03.02) (1 Sample)

- (1) The inspectors observed and evaluated licensed operator performance in the simulator on loss of high-pressure core spray, loss of emergency bus, scram, loss-of-coolant accident (LOCA), and emergency depressurization, for operator requalification on May 13, 2024.

71111.12 - Maintenance Effectiveness

Maintenance Effectiveness (IP Section 03.01) (1 Sample)

The inspectors evaluated the effectiveness of maintenance to ensure the following structures, systems, and components (SSCs) remain capable of performing their intended function:

- (1) demineralized water system classification and basis on June 26, 2024

71111.13 - Maintenance Risk Assessments and Emergent Work Control

Risk Assessment and Management Sample (IP Section 03.01) (4 Samples)

The inspectors evaluated the accuracy and completeness of risk assessments for the following planned and emergent work activities to ensure configuration changes and appropriate work controls were addressed:

- (1) elevated Yellow risk for emergency diesel generator 3 outage on April 22, 2024
- (2) elevated Yellow risk for the loss of the 115 kV off-site power for the backup transformer on May 3, 2024
- (3) emergency diesel generator 2 emergent risk informed completion time (RICT) for maintenance window on June 10, 2024
- (4) elevated Yellow risk for high-pressure core spray (HPCS) surveillances on June 24, 2024

71111.15 - Operability Determinations and Functionality Assessments

Operability Determination or Functionality Assessment (IP Section 03.01) (3 Samples)

The inspectors evaluated the licensee's justifications and actions associated with the following operability determinations and functionality assessments:

- (1) reactor core isolation cooling discharge check valve (RCIC-V-90) categorization in in-service testing subsection C (ISTC) of the ASME OM code, CR 00457692, on June 30, 2024
- (2) unidentified reactor coolant system leakage instrumentation, CR 00458384, on June 30, 2024
- (3) emergency diesel generator 2 fuel oil pipe leak, CR 00452873, on June 30, 2024

71111.24 - Testing and Maintenance of Equipment Important to Risk

The inspectors evaluated the following testing and maintenance activities to verify system operability and/or functionality:

Post-Maintenance Testing (PMT) (IP Section 03.01) (1 Sample)

- (1) adjustable speed drive (ASD) 1A2 card replacement, Work Order 02206353-01, on June 30, 2024

Surveillance Testing (IP Section 03.01) (4 Samples)

- (1) SOP-FDR-OPS, floor drain system operation, manual determination of dry well unidentified leak rate on April 6, 2024
- (2) WO 02189187, plant procedures manual (PPM) 8.4.42, thermal performance of residual heat removal heat exchanger (RHR HX) 'A' on June 10, 2024
- (3) ISP-RCIC-Q907, RCIC isolation on low steam supply pressure channels B and D functional and channel calibration on June 18, 2024
- (4) high-pressure core spray (HPCS) on June 30, 2024

Inservice Testing (IST) (IP Section 03.01) (1 Sample)

- (1) WO 02215182, standby liquid control (SLC) operability run on April 8, 2024

Diverse and Flexible Coping Strategies (FLEX) Testing (IP Section 03.02) (1 Sample)

- (1) OPS-FLEX-Q704, emergency diesel generator 4 quarterly surveillance on May 19, 2024

71114.01 - Exercise Evaluation

Inspection Review (IP Section 02.01-02.11) (1 Sample)

- (1) The inspectors evaluated the biennial emergency plan exercise conducted on March 26, 2024. The exercise scenario simulated a partial loss of offsite power as a main turbine generator trip. Losses of emergency diesel generators resulted in only one source of alternating current power being available onsite. This was followed by a simulated steam line break in the reactor core isolation cooling system, which resulted in a simulated radiological release offsite. This was complicated further with the inability to restore reactor pressure vessel water level above the top of active fuel, coupled with filtration failures in the standby gas treatment system.

The licensee completed its critique process for the exercise on April 9, 2024, and the inspectors subsequently evaluated the effectiveness of the critique process to identify performance weaknesses and deficiencies to ensure they were entered into the corrective action program for resolution.

This documents completion of this inspection sample which was documented as a partial sample in Inspection Report 05000397/2024001 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML24115A189).

71114.06 - Drill Evaluation

Additional Drill and/or Training Evolution (1 Sample)

The inspectors evaluated:

- (1) simulator emergency action level (EAL) determination during the operator requalification scenario on May 13, 2024

RADIATION SAFETY

71124.06 - Radioactive Gaseous and Liquid Effluent Treatment

Walkdowns and Observations (IP Section 03.01) (5 Samples)

The inspectors evaluated the following radioactive effluent systems during walkdowns:

- (1) reactor building effluent ventilation sampling system
- (2) turbine building effluent ventilation sampling system
- (3) radwaste building effluent ventilation sampling system
- (4) reactor building standby gas treatment system
- (5) off gas treatment system

Sampling and Analysis (IP Section 03.02) (5 Samples)

Inspectors evaluated the following effluent samples, sampling processes and compensatory samples:

- (1) WO 02213952-01, weekly iodine, particulate, and tritium sampling from the reactor building exhaust system (PRM-SR-2) using Procedure PPM 16.11.6, "Weekly Iodine, Particulate, and Tritium Analysis Results," revision 27, dated June 11, 2024
- (2) WO 02213952-01, weekly iodine and particulate sampling from the turbine building exhaust system (TEA-SR-26) using PPM 16.11.6, dated June 11, 2024
- (3) WO 02213952-01, weekly iodine and particulate sampling from the radwaste building exhaust system (WEA-SR-25) using PPM 16.11.6, dated June 11, 2024
- (4) adjustment of flow rates for WEA-FT-14A, 14B, and 14C during weekly iodine and particulate sampling from the radwaste building system using CI-15-2, "Daily Monitor Data," revision 36, dated June 11, 2024
- (5) Log 024-WEA-FN-25-REPL-001, compensatory continuous/weekly effluent sampling system setup for the radwaste building effluent ventilation systems using PPM 12.5.37, "WEA Temporary Cart Sampling and Flow Monitoring," revision 12, dated June 12, 2024

Dose Calculations (IP Section 03.03) (3 Samples)

The inspectors evaluated the following dose calculations:

- (1) continuous gaseous release permits dose evaluations for 2021 (June 2021 and December 2021)
- (2) continuous gaseous release permits dose evaluations for 2022 (March 2022 and August 2022)
- (3) continuous gaseous release permits dose evaluations for 2023 and 2024 (February 2023, November 2023, and May 2024)

Abnormal Discharges (IP Section 03.04) (3 Samples)

The inspectors evaluated the following abnormal discharges:

- (1) turbine building roof hole effluent release, as documented in AR 427280, dated November 17, 2021

- (2) turbine building roof hatch door opening effluent release, as documented in AR 431889, dated April 12, 2022
- (3) turbine building roof hole effluent release, as documented in AR 444998, dated May 13, 2023

71124.07 - Radiological Environmental Monitoring Program

Environmental Monitoring Equipment and Sampling (IP Section 03.01) (1 Sample)

- (1) The inspectors evaluated environmental monitoring equipment and observed collection of environmental samples.

Radiological Environmental Monitoring Program (IP Section 03.02) (1 Sample)

- (1) The inspectors evaluated the implementation of the licensee’s radiological environmental monitoring program.

GPI Implementation (IP Section 03.03) (1 Sample)

- (1) The inspectors evaluated the licensee’s implementation of the groundwater protection initiative (GPI) program to identify incomplete or discontinued program elements.

OTHER ACTIVITIES – BASELINE

71153 - Follow Up of Events and Notices of Enforcement Discretion

Event Report (IP Section 03.02) (1 Sample)

The inspectors evaluated the following licensee’s event reporting determinations to ensure it complied with reporting requirements.

- (1) LER 2024-001-00, Failure to Track Operability Requirements of Transversing In-Core Probe Valves (ML24022A224). The inspection conclusions associated with this LER are documented in this report under Inspection Results Section 71111.15. This LER is Closed.

Reporting (IP Section 03.05) (1 Sample)

The inspectors evaluated the following licensee event reports (LERs):

- (1) Emergency notification, 10 CFR 50.72(b)(3)(ii)(B) and (v)(B), for residual heat removal degradation due to service water leak (Action Request (AR) 00454626). The event was reviewed to determine if reporting requirements were met and should have been reported by the licensee.

INSPECTION RESULTS

Minor Violation	71111.15
Failure to Isolate Primary Containment Isolation Valve	
Minor Violation: The inspectors identified a self-revealing, minor violation of TS 3.6.1.3 for primary containment isolation valves (PCIVs) TIP V-1 and V-2. Specifically, on	

November 16, 2023, clearance order D-TIP-V-7 and V-8 -001 was hung to support replacement of squib valves TIP-V-7 and TIP-V-8, which was an administrative control to close and de-activate TIP-V-1 and TIP-V-2 and provide means to satisfy TS Action Statements 3.6.1.3.A.1 and 2. At 10:43 a.m. on November 21, 2023, clearance orders D-TIP-V-7 and 8-001 were lifted prior to completing all of the post-maintenance testing (PMT) and caused TIP-V-1 and TIP-V-2 to be tracked as inoperable on an limiting condition of operability (LCO) Tracking Sheet T23-TIP-V-7 and no longer served as administrative means to satisfy TS action statements A.1 and A.2. On November 22, 2023, the on-coming shift control room supervisor (CRS) reviewed the LCO Tracking Sheet and identified that the PMT requirements were not completed and immediately directed crew to perform the remaining PMT to restore Operability. TS action statement was exited at 9:21 a.m. with TS A.1 and A.2 being ineffectively tracked for 22 hours and 38 minutes.

Screening: The inspectors determined the performance deficiency was minor. TIP-V-1 and 2 remained closed and de-activated despite not being administratively controlled by the clearance order D-TIP-V-7 and 8-001; therefore, although it is associated with the Barrier integrity cornerstone, this event did not represent a pathway out of containment. It also could not be viewed as a precursor to a significant event since TIP-V-1 and 2 remained closed and de-energized despite no longer being tagged out. Successful completion of the PMT demonstrated there was no potential to lead to a more significant safety concern and did not adversely affect an associated cornerstone objective outside of administrative tracking; therefore, this issue screens to minor.

Enforcement: TS 3.6.1.3, "Primary Containment Isolation Valves (PCIVs)," requires, in part, that each PCIV shall be operable in Modes 1, 2, and 3. TS 3.6.1.3, condition A, states, in part, if one or more penetration flow paths with one PCIV inoperable, then isolate the affected penetration flow path by use of at least one closed and de-activated automatic valve in 4 hours. TS 3.6.1.3, condition E, states, in part, that if the required action and associated completion time of condition A is not met, then be in Mode 3 in 12 hours.

Contrary to the above, from November 21-22 (22 hours and 3 minutes), with one PCIV inoperable, the affected penetration flow path did not use at least one de-activated automatic valve and action was not taken to place Columbia Generating Station in Mode 3 within 12 hours as required by TS 3.6.1.3.E.1. Specifically, the licensee lifted the clearance order D-TIP-V-7 and 8-001 prior to completing PMT and restoring TIP-V-1 and 2 to an operable condition. The licensee's immediate corrective actions to perform PMT OSP-TIP-M101 restored operability to TIP-V-1 & 2.

The disposition of this violation closes LER 05000397/2024-001-00, Failure to Track Operability Requirements of Transversing In-Core Probe Valves. This failure to comply with TS 3.6.1.3 constitutes a minor violation that is not subject to enforcement action in accordance with the NRC's Enforcement Policy.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On June 13, 2024, the inspectors presented the radiation protection program inspection results to Grover Hettel, Executive Vice President and Chief Nuclear Officer, and other members of the licensee staff.

- On June 13, 2024, the inspectors presented the emergency preparedness exercise inspection results to Grover Hettel, Executive Vice President/Chief Nuclear Officer, and other members of the licensee staff.
- On July 25, 2024, the inspectors presented the integrated inspection results to Dave Brown, Site Vice President, and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71111.04	Corrective Action Documents Resulting from Inspection	Action Requests	458204, 458205, 458206	
71111.04	Procedures	1.3.83	Protected Equipment Program	39
71111.04	Procedures	OSP-RHR-M104	Residual Heat Removal System A Valve Position Verification	6
71111.04	Procedures	SOP-DG3-STBY	High Pressure Core Spray Diesel Generator Standby Lineup	24
71111.05	Corrective Action Documents Resulting from Inspection		CR00458757, CR00458759, CR00458760, CR00458761, CR00458770	
71111.05	Fire Plans	PFP-RB-422	Reactor 422	9
71111.05	Fire Plans	PFP-RW-437-452	Radwaste 437-452	8
71111.05	Fire Plans	PFP-RW-467	Radwaste 467	8
71111.05	Fire Plans	PFP-RW-484-487	Radwaste 484-487	7
71111.05	Fire Plans	PFP-RW-501-507	Radwaste 501-507	8
71111.05	Fire Plans	PFP-RW-525	Radwaste 525	9
71111.05	Miscellaneous	RW467-IN-5	Fire Drill Scenario for Radwaste Building 467 ft Level	04/08/2024
71111.11Q	Procedures	1.3.1	Operating Policies, Programs, and Practices	141
71111.11Q	Procedures	OI-09	Operations Standards and Expectation	89
71111.12	Corrective Action Documents		436095, 436380, 441376	
71111.12	Miscellaneous		Performance Criteria Basis Document DW-SYS-1	
71111.12	Miscellaneous		Function Basis Document DW-01, 02, and 03	
71111.12	Procedures	1.5.11	Maintenance Rule Program	16
71111.12	Work Orders		277731	
71111.13	Procedures	1.3.83	Protected Equipment Program	39
71111.24	Corrective Action Documents Resulting from		457102, 457103, 459607	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Inspection			
71111.24	Procedures	ISP-RCIC-Q907	RCIC Isolation on Low Steam Supply Pressure- Channels B and D- CFT/CC	5
71111.24	Procedures	OSP-FLEX-Q704	Diesel Generator 4 Quarterly Surveillance	3
71111.24	Procedures	OSP-SLC/IST-Q701	Standby Liquid Control Pumps Operability Test	31
71111.24	Work Orders		2212945, 2206276	
71114.01	Corrective Action Documents	Condition Reports (AR)	452196, 452279, 456699, 456702, 456705, 456707, 456708, 456977, 456979, 456994, 457031, 457127, 457141	
71114.01	Corrective Action Documents Resulting from Inspection	Condition Reports (AR)	456734, 457699, 457701, 458472	
71114.01	Miscellaneous		March 2024 Columbia Generating Station and Off-site Response Agency Ingestion Pathway (IPX) Evaluated Exercise, Leadership Team Debrief	04/09/2024
71114.01	Procedures	GEN-RPP-05	Respiratory Protection Program Description	16
71114.01	Procedures	GEN-RPP-10	Use of Respiratory Protection Equipment	13
71114.01	Procedures	OI-54	Operations Qualification Management	37
71114.01	Procedures	SWP-CAP-01	Corrective Action Program	44
71124.06	Corrective Action Documents	Action Requests	422189, 422253, 427280, 430924, 431889, 432093, 435495, 437360, 440629, 441900, 442869, 444043, 444998, 445420, 446793, 446841, 457942	
71124.06	Corrective Action Documents Resulting from Inspection	Action Requests	459163	
71124.06	Drawings	M544	Flow Diagram: HVAC - Standby Gas Treatment Reactor Building	76
71124.06	Drawings	M548-1	Flow Diagram: HVAC for Control and Switchgear Rooms - Radwaste Building	103
71124.06	Miscellaneous		Results of Radiochemistry Cross Check Program, 2nd Quarter 2022	08/08/2022
71124.06	Miscellaneous		Results of Radiochemistry Cross Check Program, 1st	06/10/2023

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
			Quarter 2023	
71124.06	Miscellaneous		Results of Radiochemistry Cross Check Program, 4th Quarter 2023	12/14/2023
71124.06	Miscellaneous		Results of Radiochemistry Cross Check Program, 3rd Quarter 2021	08/13/2021
71124.06	Miscellaneous		Columbia Generating Station Gaseous Release Permits from 06/28/2021 to 03/12/2024	06/11/2024
71124.06	Miscellaneous		2022 Part 61 Waste Stream Data	09/07/2023
71124.06	Miscellaneous		Results of the 2023 Five-Mile Land Use Census	08/18/2023
71124.06	Miscellaneous		Columbia Generating Station - Gaseous Effluent Period Release Summary	07/14/2021
71124.06	Miscellaneous		Columbia Generating Station - Gaseous Effluent Period Release Summary	01/16/2022
71124.06	Miscellaneous		Columbia Generating Station - Gaseous Effluent Period Release Summary	04/11/2022
71124.06	Miscellaneous		Columbia Generating Station - Gaseous Effluent Period Release Summary	09/14/2022
71124.06	Miscellaneous		Columbia Generating Station - Gaseous Effluent Period Release Summary	03/23/2023
71124.06	Miscellaneous		Columbia Generating Station - Gaseous Effluent Period Release Summary	12/12/2023
71124.06	Miscellaneous		Columbia Generating Station - Gaseous Effluent Period Release Summary	06/10/2024
71124.06	Miscellaneous	G02-22-048	Columbia Generating Station 2021 Annual Radioactive Effluent Release Report	04/15/2022
71124.06	Miscellaneous	G02-23-057	Columbia Generating Station 2022 Annual Radioactive Effluent Release Report	04/25/2023
71124.06	Miscellaneous	G02-24-042	Columbia Generating Station 2023 Annual Radioactive Effluent Release Report	04/22/2024
71124.06	Procedures	CI-15-2	Daily Monitor Data	36
71124.06	Procedures	PPM 12.1.1	Laboratory Quality Assurance	23
71124.06	Procedures	PPM 12.5.37	WEA Temporary Cart Sampling and Flow Monitoring	12
71124.06	Procedures	PPM 16.10.1	Radioactive Liquid Waste Discharged to the River	8
71124.06	Procedures	PPM 16.11.1	Monthly Grab Gas Samples	14

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71124.06	Procedures	PPM 16.11.2	Grab Gas Samples Following Shutdown, Start-up and Power Changes	12
71124.06	Procedures	PPM 16.11.4	Monthly Composite Particulate Sample Analysis	8
71124.06	Procedures	PPM 16.11.5	Quarterly Composite Particulate Sample Analysis	8
71124.06	Procedures	PPM 16.11.6	Weekly Iodine, Particulate, and Tritium Analysis Results	27
71124.06	Procedures	PPM 16.12.2	Monthly Gaseous Release Dose Assessment	17
71124.06	Procedures	PPM 16.12.3	Annual Noble Gas, Iodine, and Particulates	4
71124.06	Procedures	PPM 16.12.4	Total Cumulative Dose Contributions to the Public from Liquid and Gaseous Effluent and Direct Radiation	3
71124.06	Procedures	PPM 16.12.5	Annual Effluent Report	11
71124.06	Procedures	PPM 16.14.1	Gaseous Monitor Setpoint Determinations	7
71124.06	Self-Assessments	AR-SA 427580	Performance Indicator (PI) Verification PR-01: Radiological Effluent Technical Specifications/Offsite Dose Calculation Manual Radiological Effluent Occurrences	02/15/2021
71124.06	Self-Assessments	AR-SA 438303	NRC IP 71124.06 - Radioactive Gaseous and Liquid Effluent Treatment	01/11/2024
71124.06	Self-Assessments	AR-SA 439232	Performance Indicator (PI) Verification PR-01: Radiological Effluent Technical Specifications/Offsite Dose Calculation Manual Radiological Effluent Occurrences	01/17/2023
71124.06	Self-Assessments	AR-SA 453143	Performance Indicator (PI) Verification PR-01: Radiological Effluent Technical Specifications/Offsite Dose Calculation Manual Radiological Effluent Occurrences	01/30/2024
71124.06	Self-Assessments	AU-CH-22	Quality Services Audit Report: Chemistry and Environmental Monitoring Programs	08/10/2022
71124.07	Calibration Records	WO 02192793-01	ICP-MET-S302	04/01/2024
71124.07	Calibration Records	WO 02190869-01	ICP-MET-S301	04/04/2024
71124.07	Corrective Action Documents	Action Requests	430924, 431889, 437162, 440574, 440576, 441900, 443715, 443967, 444080, 448529, 451961, 452578, 454324, 454889	
71124.07	Corrective Action Documents Resulting from Inspection	Action Requests	437162, 459189, 459205, 459253	

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71124.07	Miscellaneous		Columbia Generating Station 2021 Annual Radiological Environmental Operating Report	04/11/2022
71124.07	Miscellaneous		Columbia Generating Station 2022 Annual Radiological Environmental Operating Report	05/09/2023
71124.07	Miscellaneous		Columbia Generating Station 2023 Annual Radiological Environmental Operating Report	04/09/2024
71124.07	Miscellaneous		Land Use Census	08/03/2021
71124.07	Miscellaneous		Land Use Census	08/29/2022
71124.07	Miscellaneous		Land Use Census	08/13/2023
71124.07	Procedures		Radiological Inter-Laboratory and Intra-Laboratory Comparison Programs	1
71124.07	Procedures	CI 6.0	Groundwater Protection Program - Risk Assessment	1
71124.07	Procedures	PPM 16.13.2	Annual Environmental Operating Report	3
71124.07	Procedures	PPM 1.11.1	Radiological Environmental Monitoring Program Implementation Procedure	13
71124.07	Procedures	PPM 10.24.74	Periodic Inspection of Meteorological System	17
71124.07	Procedures	PPM 12.5.38	Cooling Tower Sludge Removal	3
71124.07	Procedures	PPM 13.9.1	Environmental Field Monitoring Operations	45
71124.07	Procedures	SOP 11.05	Garden Products Sampling	3
71124.07	Procedures	SOP 11.06	Fish Collection and Preparation	5
71124.07	Procedures	SWP-CHE-1	Groundwater Protection Program	4
71124.07	Procedures	SWP-CHE-1	Groundwater Protection Program	4
71124.07	Self-Assessments		CGS MET Review Report 2022: MET Data and XOQ/DOQ	05/23/2023
71124.07	Self-Assessments		2023 In-Light Dosimeter Audit	05/24/2023
71124.07	Self-Assessments		Quality Audit of Landauer Inc Audit Report #25286	10/16/2021
71124.07	Self-Assessments		Groundwater Protection Program as outlined in SWP-CHE-01 (NEI 07-07 Revision 1)	09/20/2021
71124.07	Self-Assessments	AU-CH-22	QA Audit Chemistry and Environmental Monitoring Programs	08/10/2022