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GO2-25-076

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

**Subject: COLUMBIA GENERATING STATION, DOCKET NO. 50-397
2024 ENVIRONMENTAL OPERATING REPORT**

Dear Sir or Madam:

This letter is submitted pursuant to Section 5.4.1 of the Columbia Generating Station (CGS) Environmental Protection Program (EPP), Appendix B to the Facility Operating License No. NPF-21, which requires Energy Northwest (EN) to submit an Annual Operating Report for the EPP to the U.S. Nuclear Regulatory Commission (NRC) for the prior calendar year.

There was no instance of EPP noncompliance and no change in station design or operation, tests, or experiments that involved an unreviewed environmental question.

On March 6, 2024, there was a malfunction to the halogenation/dehalogenation system resulting in a total residual halogen (TRH) exceedance to the 0.1 mg/L TRH limit established in the station's National Pollutant Discharge Elimination System (NPDES) permit WA0025151. This event resulted in a nonroutine report pursuant to 10 Code of Federal Regulations (CFR) § 50.72(b)(2)(xi), which was completed on March 7, 2024: NRC Notification Event Number 57013.

On September 10, 2024, CGS determined that no more than 30 gallons of silicone oil was inadvertently discharged into the plant service water system due to a failed heat exchanger on a plant installed air compressor. While no visible oil sheen was discovered, this oil leak had a potential to reach the Columbia River via the circulation water basin blowdown line. This event resulted in a nonroutine report pursuant to 10 CFR § 50.72(b)(2)(xi), which was completed on September 10, 2024: NRC Notification Event Number 57314.

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
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On September 18, 2024, CGS identified a potential release of lubricating oil into the plant service water system and notified the Washington State Energy Facility Site Evaluation Council and the Washington State Department of Ecology. However, after thorough troubleshooting, EN determined that no oil entered the plant service water system or the Columbia River. This event resulted in a nonroutine report pursuant to 10 CFR § 50.72(b)(2)(xi), which was completed on September 18, 2024: NRC Notification Event Number 57329 and subsequently retracted on October 10, 2024.

A summary of the monthly Discharge Monitoring Report data submitted to the Washington State Department of Ecology as a requirement of the CGS NPDES permit WA0025151 is provided in the Attachment: Summary of Discharge Monitoring Reports.

There are no commitments being made to the NRC by this letter. If you have any questions or require additional information, please contact Mr. C. Plager at (509) 308-2326.

Respectfully,

DocuSigned by:

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Scott A. Vance

Vice President, Corporate Governance and General Counsel

Attachment: Summary of Discharge Monitoring Reports

cc: NRC Region IV Administrator
NRC NRR Project Manager
NRC Sr. Resident Inspector

SAV/lw

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Attachment

2024 ENVIRONMENTAL OPERATING REPORT

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**COLUMBIA GENERATING STATION 2024 COOLING WATER
SUMMARY OF DISCHARGE MONITORING REPORTS**

<u>Month</u>	<u>Days of Discharge</u>	<u>pH</u>		<u>Total Residual Halogen (mg/L)</u>	<u>Maximum Total (ug/L)</u>			<u>Discharge Volume (Millions of gallons/day)</u>		<u>Heat Load (kcal/day) Monthly Average ^(f)</u>
		Low	High		Copper ^(c)	Chromium ^(d)	Zinc ^(e)	Average ^(a)	Maximum ^(b)	
Jan	31	7.8	8.7	<0.1	-	1.07	13.2	2.6	3.2	-
Feb	28	7.7	8.8	<0.1	-	1.06	16.6	2.5	3.1	-
Mar	31	7.7	8.4	1.06	-	<1.0	15.2	2.6	3.0	-
Apr	30	7.5	8.5	<0.1	-	1.16	14.3	2.8	3.2	-
May	31	7.6	8.0	<0.1	-	1.38	13.7	2.7	3.0	-
Jun	29	7.4	8.2	<0.1	-	1.78	15.5	2.6	5.0	2.56e+008
July	31	7.5	8.0	<0.1	-	1.54	15.9	4.9	5.0	5.61e+008
Aug	31	7.7	8.5	<0.1	-	1.41	11.5	4.2	4.7	4.72e+008
Sep	28	7.6	8.4	<0.1	-	1.34	8.7	3.3	4.3	3.62e+008
Oct	31	7.8	8.2	<0.1	-	2.21	15.2	2.6	2.9	2.55e+008
Nov	30	7.8	8.3	<0.1	-	2.06	17.8	2.0	2.3	-
Dec	31	7.8	8.3	<0.1	-	2.35	26.8	2.2	2.3	-
Permit Limit		6.5	9.0	0.1	(c)	(d)	(e)	5.6	9.4	1.27e+009

(a) Average daily discharge for the month.

(b) Maximum daily discharge for the month.

(c) No permit limit for copper.

(d) Chromium limits are: 8.2 ug/L monthly average, 16.4 ug/L daily maximum.

(e) Zinc limits are: 53 ug/L monthly average, 107 ug/L daily maximum.

(f) Heat Load (June through October only) limit: 1.27e+009 kilocalories per day (kcal/day) monthly average.