



ENERGY NORTHWEST

Dale K. Atkinson
Vice President, Employee Development/Corporate Services
P.O. Box 968, PE03
Richland, WA 99352-0968
Ph. 509.377.4302 | F. 509.377.4098
dkatkinson@energy-northwest.com

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GO2-12-063

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Subject: **COLUMBIA GENERATING STATION, DOCKET NO. 50-397
2011 ANNUAL ENVIRONMENTAL OPERATING REPORT**

Dear Sir or Madam:

This letter is submitted per the reporting requirements of Section 5.4.1 of the Columbia Generating Station Environmental Protection Plan (EPP; Appendix B to Facility Operating License No. NPF-21).

There were no EPP noncompliances in 2011 and there were no changes in station design or operation, tests, and experiments that involved an unreviewed environmental question. No non-routine, non-radiological reports (within the context of EPP Section 5.4.2) were required for 2011. A summary of the effluent data reported to the State of Washington Energy Facility Site Evaluation Council on the monthly discharge monitoring reports is attached.

There are no commitments being made to the NRC by this letter. Should you have any questions or desire additional information regarding this report, please call BC Barfuss at (509) 377-4541.

Respectfully,

DK Atkinson
Vice President, Employee Development/Corporate Services

Attachment

cc: NRC Region IV Administrator
NRC NRR Project Manager
NRC Sr. Resident Inspector - 988C
RN Sherman - BPA/1399
WA Horin - Winston & Strawn

IE25
NRR

2011 ANNUAL ENVIRONMENTAL OPERATING REPORT

Attachment

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**COLUMBIA GENERATING STATION
COOLING WATER BLOWDOWN DISCHARGES, 2011**

Month	Days of Discharge	pH		Total Residual Halogen (mg/L)	Maximum Total Copper (µg/L)	Discharge Volume (millions of gallons)	
		Low	High			Average ^(a)	Maximum ^(b)
Jan	31	8.2	8.5	≤0.1	14	3.8	4.9
Feb	28	8.3	8.5	≤0.1	17	3.8	4.9
Mar	31	8.2	8.5	0.12 ^(c)	16	3.9	5.4
Apr	30	7.2	8.3	(d)	6.2	2.2	3.5
May	31	6.5	7.9	(d)	11	2.2	2.2
Jun	17	7.1	8.0	(d)	30	2.2	4.2
Jul	10	6.9	7.9	(d)	21	2.2	2.2
Aug	31	7.1	7.4	(d)	62	2.2	2.2
Sep	30	6.7	8.5	(d)	76	2.5	5.1
Oct	30	7.8	8.4	≤0.1	16	1.6	4.3
Nov	30	8.1	8.6	≤0.1	19	1.4	2.2
Dec	31	8.1	8.5	≤0.1	14	1.4	2.0
Permit Limit		6.5	9.0	0.1	(e)	5.6	9.4

(a) Average daily discharge during the month

(b) Maximum daily discharge during the month

(c) A noncompliance report for the discharge of residual halogens greater than 0.1 mg/L was provided to the State of Washington Energy Facility Site Evaluation Council (EFSEC) in accordance with the NPDES permit for Columbia Generating Station.

(d) Maintenance outage in progress, no halogenation periods during Apr – Sept

(e) Copper limits are: 70 µg/L monthly average, 108 µg/L daily max, Dec – Feb
223 µg/L monthly average, 345 µg/L daily max, Mar – Nov