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May 2, 1990  
Docket No. 50-397  
G02-90-088

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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Subject: NUCLEAR PLANT NO. 2  
1989 ANNUAL ENVIRONMENTAL OPERATING REPORT

Reference: Letter, G. C. Sorensen (Supply System) to U. S. NRC,  
dated April 26, 1989.

This letter is submitted per the reporting requirements of Section 5.4.1 of the WNP-2 Environmental Protection Plan (Appendix B to Facility Operating License NPF-21).

As was noted in the report for 1988 (referenced letter), the EPP requirement for environmental studies was satisfied with more than three years of data on soil and vegetation chemistry in the vicinity of the cooling towers. A summary of effluent data reported to the State of Washington on the monthly discharge monitoring reports is included on the attached tables. One NPDES permit violation occurred during 1989. On May 29 the pH exceeded the maximum allowed by up to 0.25 pH units for a three hour period. The circumstances were reported to the state Energy Facility Site Evaluation Council and NRC Region V. No design or operational changes or tests in 1989 involved an unreviewed environmental question. Also, no nonroutine reports (within the context of EPP Section 5.4.2) were required for 1989.

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U. S. Nuclear Regulatory Commission  
Page 2  
May 2, 1990  
NUCLEAR PLANT NO. 2  
1989 ANNUAL ENVIRONMENTAL OPERATING REPORT

Please contact us if you require additional information on this report.

Very truly yours,



G. C. Sorensen, Manager  
Regulatory Programs

JPC/tlr

Attachments: 1989 NPDES summary tables

cc: C. J. Bosted, Resident NRC Inspector (901A)  
W. L. Fitch, EFSEC  
J. B. Martin, Region V NRC  
R. B. Samworth, NRC

TABLE 1

WNP-2 LOW VOLUME WASTE DISCHARGES\*, 1989

MONTH	DAYS of DSCHG	FLOW (gallons x 1000)			OIL & GREASE (lbs/day)		SUSP. SOLIDS (lbs/day)	
		Total	Ave	Max	Ave	Max	Ave	Max
JAN	13	149.5	11.5	15.5	0.15	0.59	3.94	23.12
FEB	14	178.8	12.8	20.6	0.13	1.01	0.94	6.74
MAR	11	141.0	12.8	22.4	0.27	2.35	0.86	5.85
APR	17	230.5	13.6	24.7	0.07	0.19	3.03	14.98
MAY	12	133.2	11.1	28.2	0.06	0.14	1.80	11.36
JUN	15	168.7	11.2	16.0	0.06	0.24	3.89	22.56
JUL	16	137.8	8.6	15.0	0.14	0.82	4.53	18.28
AUG	12	119.6	10.0	14.7	0.07	0.19	3.03	28.54
SEP	10	126.4	12.6	21.2	0.06	0.12	2.80	20.13
OCT	14	181.1	12.9	15.4	0.11	0.23	4.36	26.38
NOV	12	148.9	12.4	15.5	0.05	0.07	1.75	14.12
DEC	16	202.0	12.6	20.6	0.10	0.42	2.76	13.02
Permit Limit			20.0	40.0	2.50	7.00	5.00	34.00

\* Neutralization Tank releases to recirculating cooling water.

TABLE 2

WNP-2 COOLING WATER BLOWDOWN DISCHARGES, 1989

Month	Days Dschgng	pH		TRC (mg/l)	Discharge Volume (millions of gallons)		
		High	Low		Total	Ave*	Max**
Jan	28	8.6	8.0	<0.1	33.65	1.20	8.76
Feb	28	8.6	7.6	<0.1	33.88	1.21	2.59
Mar	31	8.5	8.2	<0.1	35.11	1.13	4.04
Apr	29	8.4	8.0	<0.1	80.79	2.79	4.91
May	22	9.2	7.2	<0.1	29.60	1.34	3.17
Jun	28	8.2	7.2	<0.1	43.41	1.55	2.88
Jul	31	8.3	7.8	<0.1	41.05	1.32	3.84
Aug	27	8.4	8.1	<0.1	27.28	1.01	1.83
Sep	25	8.7	8.1	<0.1	25.64	1.02	2.81
Oct	30	8.4	8.1	<0.1	36.11	1.20	3.69
Nov	30	8.3	7.2	<0.1	30.99	1.03	1.97
Dec	31	8.4	8.0	<0.1	37.74	1.22	2.38
Permit Limit		9.0	6.5	0.1		5.00	9.40

\* Average daily discharge during month.

\*\* Maximum daily discharge during month.

