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SUBJECT: Forwards summary of data previously reported in Table 3-4 of
ref semiannual & annual effluent release repts, reflecting
old data & new corrected totals for I-131.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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September 22, 1994

GO2-94-219

Docket 50-397

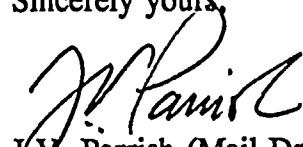
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Subject: **WNP-2, OPERATING LICENSE NPF-21
REVISION OF IODINE AMOUNTS REPORTED IN PREVIOUS WNP-2
SEMIANNUAL AND ANNUAL EFFLUENT REPORTS**

The Supply System has found an overstating of the iodine release amounts from an evaluation of the previous semiannual and annual effluent release reports for WNP-2. Regulatory Guide 1.21 specifies that licensees report quarterly sums of total curies of iodine-131 released. We provided Table 3-4 in the references (Attachment 1) to report this information. However, instead of reporting iodine-131 only in Table 3-4, we reported all of the identified isotopes of iodine. In Attachment 2, we provide a summary of data previously reported in Table 3-4 of the references (old data) and the new corrected totals for I-131 (new data). The other tables in the references (i.e., Tables 3-1, 3-2 and 3-3) correctly reported the individual isotopes of iodine.

If you have any questions, please contact D.W. Coleman at (509) 377-4342.

Sincerely yours,



J.V. Parrish (Mail Drop 1023)
Assistant Managing Director, Operations

JVP/dwc
Attachments

cc: LJ Callan - NRC RIV
NS Reynolds - Winston & Strawn
JW Clifford - NRC
DL Williams - BPA/399
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KE Perkins, Jr. - NRC RIV, Walnut Creek Field Office

TR Strong - Dept of Health
D Sherman - ANI
RK Woodruff - Battelle
RL Erickson - Dept of Health
AW Conklin - Dept of Health

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JEH

ATTACHMENT 1

REFERENCES:

- 1) Letter GO2-84-465, dated August 16, 1984, JD Martin (SS) to JB Martin (NRC), "Semi-Annual Effluent Report January 1 to June 30, 1986"
- 2) Letter GO2-85-105, dated February 26, 1985, JD Martin (SS) to JB Martin (NRC), "Semi-Annual Effluent Report July 1 to December 31, 1984 (Attached)"
- 3) Letter GO2-85-498, dated August 29, 1985, CM Powers (SS) to JB Martin (NRC), "Semi-Annual Effluent Report January 1 to June 30, 1985 (Attached)"
- 4) Letter GO2-86-150, dated February 20, 1986, CM Powers (SS) to JB Martin (NRC), "Semi-Annual Effluent Report July 1, 1985 to December 30, 1985 (Attached)"
- 5) Letter GO2-86-638, dated July 7, 1986, CM Powers (SS) to JB Martin, "Revisions to WNP-2 Semi-Annual Effluent Report July 1 to December 31, 1984 (Attached)"
- 6) Letter GO2-86-810, dated August 20, 1986, CM Powers (SS) to NRC, "Semi-Annual Effluent Report January 1, 1986 to June 30, 1984 (Attached)"
- 7) Letter GO2-87-063, dated February 24, 1987, CM Powers to NRC, "Semi-Annual Effluent Report July 1, 1986 to December 31, 1986 (Attached)"
- 8) Letter GO2-87-229, dated August 18, 1987, CM Powers (SS) to NRC, "Semi-Annual Effluent Report January 1, 1987, to June 30, 1987 (Attached)"
- 9) Letter GO2-88-049, dated February 25, 1988, CM Powers (SS) to NRC, "Semi-Annual Effluent Report July 1, 1987 to December 31, 1987 (Attached)"
- 10) Letter GO2-88-177, dated August 10, 1988, CM Powers (SS) to NRC, "Semi-Annual Effluent Report January 1, 1988 to June 30, 1988"
- 11) Letter GO2-89-021, dated February 15, 1989, CM Powers (SS) to NRC, "Semi-Annual Effluent Report July 1, 1988 - December 31, 1988 and Amendment No. 6 to the Offsite Dose Calculation Manual"
- 12) Letter GO2-89-145, dated August 21, 1989, CM Powers (SS) to NRC, "Semi-Annual Effluent Report January 1, 1989 - June 30, 1989"
- 13) Letter GO2-90-031, dated February 26, 1990, CM Powers (SS) to NRC, "Semi-Annual Effluent Report July 1, 1989 - December 31, 1989"

- 14) Letter GO2-90-144, dated August 28, 1990, JW Baker (SS) to NRC, Semi-Annual Effluent Report January 1, 1990 - June 30, 1990"
- 15) Letter GO2-91-033, dated February 22, 1991, JW Baer (SS) to NRC, "Semi-Annual Effluent Report July 1, 1990 - December 31, 1990"
- 16) Letter GO2-91-158, dated August 28, 1991, "Semi-Annual Effluent Report January 1, 1991 - June 30, 1991"
- 17) Letter GO2-92-053, dated February 28, 1992, GC Sorensen (SS) to NRC, "Semiannual Radioactive Effluent Release Report for July through December 1991 and Submittal of Offsite Dose Calculation Manual"
- 18) Letter GO2-92-199, dated August 18, 1992, JW Baker (SS) to NRC, "Semi-Annual Effluent Report January 1, 1992 - June 30, 1992"
- 19) Letter GO2-93-050, dated March 1, 1993, GC Sorensen (SS) to NRC, "Semiannual Radioactive Effluent Release Report for July through December 1992, and Submittal of Offsite Dose Calculation Manual"
- 20) Letter GO2-94-051, dated February 28, 1994, JV Parrish (SS) to NRC, "Semiannual Radioactive Effluent Release Report for July through December 1993, and Submittal of Offsite Dose Calculation Manual"

ATTACHMENT 2

WNP-2 QUARTERLY SUMMARIES OF IODINE 131 RELEASED

1984 (GO2-84-465)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	5.6E-03	3.7E-02	1.01E-03	8.5E-03
Average Release Rate (μ Ci/Sec)	1.66E-03	1.1E-02	3.56E-04	3.0E-03

1984 (GO2-85-105 & GO2-86-638)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	2.41E-03	6.70E-02	2.76E-03	2.70E-02
Average Release Rate (μ Ci/Sec)	3.06E-04	8.50E-03	1.29E-03	3.40E-03

1985 (GO2-85-498)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	8.31E-04	1.3E-02	2.54E-04	6.8E-03
Average Release Rate (μ Ci/Sec)	6.01E-05	9.4E-04	2.95E-05	7.9E-04

1985 (GO2-86-150)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	5.41E-04	1.8E-02	3.91E-04	1.8E-02
Average Release Rate (μ Ci/Sec)	6.91E-05	2.3E-03	5.00E-05	2.3E-03

1986 (GO2-86-810)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	5.47E-04	4.4E-03	3.70E-04	6.6E-04
Average Release Rate (μ Ci/Sec)	7.09E-05	5.7E-04	4.71E-05	8.4E-05

1986 (GO2-87-063)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	2.87E-03	3.0E-03	3.49E-04	2.5E-03
Average Release Rate (μ Ci/Sec)	3.63E-04	3.8E-04	4.33E-05	3.1E-04

1987 (GO2-87-229)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	2.76E-04	1.7E-03	1.74E-04	4.2E-04
Average Release Rate (μ Ci/Sec)	3.57E-05	2.2E-04	2.20E-05	5.3E-05

WNP-2
QUARTERLY SUMMARIES OF IODINE 131 RELEASED

1987 (GO2-88-049)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	1.12E-04	8.4E-04	6.07E-03	1.2E-02
Average Release Rate (μ Ci/Sec)	1.47E-05	1.1E-04	7.59E-04	1.5E-03

1988 (GO2-88-177)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	2.62E-02	5.4E-02	6.33E-02	8.2E-02
Average Release Rate (μ Ci/Sec)	3.30E-03	6.8E-03	7.72E-03	1.0E-02

1988 (GO2-89-021)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	3.32E-04	1.2E-03	1.83E-04	7.5E-04
Average Release Rate (μ Ci/Sec)	4.15E-05	1.5E-04	2.29E-05	9.4E-05

1989 (GO2-89-145)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	6.50E-04	3.7E-03	8.70E-03	1.0E-02
Average Release Rate (μ Ci/Sec)	8.43E-05	4.8E-04	1.13E-03	1.3E-03

1989 (GO2-90-031)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	1.62E-02	7.2E-02	1.32E-02	4.3E-02
Average Release Rate (μ Ci/Sec)	2.04E-03	9.1E-03	1.66E-03	5.4E-03

1990 (GO2-90-144)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	4.01E-02	2.0E-01	4.00E-02	9.6E-02
Average Release Rate (μ Ci/Sec)	5.01E-03	2.5E-02	5.00E-03	1.2E-02

1990 (GO2-91-033)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	2.00E-03	5.0E-02	4.63E-03	3.1E-02
Average Release Rate (μ Ci/Sec)	2.52E-04	6.3E-03	5.82E-04	3.9E-03

WNP-2
QUARTERLY SUMMARIES OF IODINE 131 RELEASED

1991 (GO2-91-158)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	2.81E-03	3.7E-02	2.57E-03	1.2E-02
Average Release Rate (μ Ci/Sec)	3.57E-04	4.7E-03	3.21E-04	1.5E-03

1991 (GO2-92-053)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	0.00E+00	N/A	1.60E-02	1.5E-01
Average Release Rate (μ Ci/Sec)	N/A	N/A	2.03E-03	1.9E-02

1992 (GO2-92-199)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	2.35E-03	4.5E-02	2.05E-03	2.9E-02
Average Release Rate (μ Ci/Sec)	2.98E-04	5.7E-03	2.62E-04	3.7E-03

1992 (GO2-93-050)	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	1.38E-03	3.0E-02	2.08E-03	2.4E-02
Average Release Rate (μ Ci/Sec)	1.74E-04	3.8E-03	2.60E-04	3.0E-03

1993 (GO2-94-051)	First Quarter		Second Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	8.29E-03	6.7E-02	2.56E-03	2.3E-02
Average Release Rate (μ Ci/Sec)	1.06E-03	8.6E-03	3.23E-04	2.9E-03

	Third Quarter		Fourth Quarter	
	New Data	Old Data	New Data	Old Data
Total I-131 (Ci)	1.42E-03	5.2E-03	7.00E-04	6.1E-03
Average Release Rate (μ Ci/Sec)	1.80E-04	6.6E-04	8.72E-05	7.6E-04