

Carolina Power & Light Company P.O. Box 10429 Southport, NC 28461-0429

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

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2 DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62 SEMI-ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT

#### Gentlemen:

Enclosed is the Semi-Annual Radioactive Effluent Release Report for the Brunswick Steam Electric Plant, Units 1 and 2 covering the period from January 1, 1995 through June 30, 1995.

This report is submitted for the Brunswick Steam Electric Plant in accordance with Technical Specification 6.9.1.8.

Please refer any questions regarding this submittal to Ms. Jackie Gawron at (910) 457-2447.

Sincerely,

W. Levis

Plant General Manager Brunswick Nuclear Plant

WRM/wrm

Enclosure

cc: Mr. S. D. Ebneter, Regional Administrator, Region II

Mr. D. C. Trimble, NRR Project Manager - Brunswick Units 1 and 2

Mr. C. A. Patterson, NRC Senior Resident Inspector - Brunswick Units 1 and 2

The Honorable H. Wells, Chairman - North Carolina Utilities Commission

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# Brunswick Nuclear Plant Semiannual Radioactive Effluent Report January 1, to June 30, 1995

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Supplemental Information

January 1, to June 30, 1995

EFFLUENT WASTE DISPOSAL SEMIANNUAL REPORT Supplemental Information

Facility: Brunswick Nuclear Plant

Licensee: Carolina Power and Light Company

1. Regulatory Limits

- A. Fission and activation gases (Technical Spec. 3.11.2.2)
  - \*(1) Calendar Quarter
    - (a) 10 mrad gamma
    - (b) 20 mrad beta
    - (2) Calendar Year
      - (a) 20 mrad gamma
      - (b) 40 mrad beta
- B. Iodine-131, iodine-133, tritium, and particulates with half lives greater than eight days (Technical Spec. 3.11.2.3)

\*(1) Calendar Quarter

- (a) 15 mrem to any organ
- (2) Calendar Year
  - (a) 30 mrem to any organ
- \*(3) Calendar Quarter for Burning Contaminated Oil
  - (a) 436 uCi
  - (4) Calendar Year for Burning Contaminated Oil
    - (a) 872 uCi
- C. Liquid effluents (Technical Specification 3.11.1.2)
  \*\*(1) Calendar Quarter
  - (a) 3 mrem to total body
  - (b) 10 mrem to any organ
  - (2) Calendar Year
    - (a) 6 mrem to total body
    - (b) 20 mrem to any organ

NOTE: Dose calculations are determined in accordance with the Off-Site Dose Calculation Manual (ODCM)

\* Used for percent of Technical Specification limit determinations in Table 1A.

\*\* Used for percent of Technical Specification limit determinations in Table 2A.

- 2. Maximum permissible concentrations and dose rates which determine maximum instantaneous release rates.
  - A. Fission and activation gases (Technical Specification 3.11.2.1.a)
    - (1) 500 mrem/year to total body
    - (2) 3000 mrem/year to the skin
  - B. Iodine-131, iodine-133, tritium, and particulates with half-lives greater than eight days (Technical Specification 3.11.2.1.b)
    - (1) 1500 mrem/year to any organ
  - C. Liquid effluents (Technical Specification 3.11.1.1)
    The concentration of radioactive material released in
    liquid effluents to unrestricted areas after dilution in
    the discharge canal shall be limited to the concentrations
    specified in 10CFR20, Appendix B, for radionuclides other
    than noble gases.
    - \*\*(1) Tritium: limit = 1 E-03 uCi/ml and
    - \*\*(2) Dissolved and entrained gases: limit = 2 E-04 uCi/ml
- 3. Measurements and Approximations of Total Radioactivity
  - A. Fission and activation gases

Analysis for specific radionuclides in representative grab samples by gamma spectroscopy.

B. Iodines

Analysis for specific radionuclides collected on charcoal cartridges by gamma spectroscopy.

C. Particulates

Analysis for specific radionuclides collected on filter papers by gamma spectroscopy.

D. Particulates for Burning Oil

Analysis for specific radionuclides by grab samples of each batch of oil to be burned.

E. Liquids Effluents

Analysis for specific radionuclides of individual releases by gamma spectroscopy.

\*\* Used as applicable limits for Table 2A.

Nuclear counting statistics are reported utilizing 1-sigma error. Total error where reported represents a best effort to approximate the total of all individual and sampling errors.

# 4. Batch Releases

### A. Liquid

(1)	Number of batch releases:	1.38E+02
(2)	Total time period for batch releases:	1.78E+04 Minutes
(3)	Maximum time period for a batch release:	3.13E+02 Minutes
(4)	Average time period for a batch release:	1.29E+02 Minutes
(5)	Minimum time period for a batch release:	1.20E+01 Minutes
	Average stream flow during periods of release of effluent into a flowing stream :	7.50E+05 GPM
B. Gas (1)	Number of batch releases:	0.00E 00 Minutes
(2)	Total time period for a batch release:	0.00E 00 Minutes
(3)	Maximum time period for a batch release:	0.00E 00 Minutes
(4)	Average time period for a batch release:	0.00E 00 Minutes
	Minimum time period for a batch release:	0.00E 00 Minutes
	rmal releases *	
(2)	Number of releases: Total activity released:	0.00E+00 0.00E+00 Curies
(2)	Number of releases: Total activity released:	0.00E+00 0.00E+00 Curies

<sup>\*</sup> There were no abnormal releases that exceeded 10CFR20 or 10CFR50 limits. See page 6 for a discussion of release events that occurred.

Discussion of Tritium in the Storm Drain Collection Pond

Approximately 1.49E+07 gallons containing 7.63E+00 curies of tritium were released from the Storm Drain Collection Pond (SDCP) to the Intake Canal during this reporting period. The SDCP is a permitted release point.

- NOTE 1: Curie totals are included in the quarterly summaries in Table 2A and 2B.
- NOTE 2: The quantity of rainwater released from the Storm Drain Collection

  Basin and/or the Storm Drain Collection Pond is not included in <u>VOLUME</u>

  OF WASTE on Table 2A.

# Effluent and Waste Disposal Data Brunswick Nuclear Plant

# January 1, to June 30, 1995

Table 3A: Solid Waste and Irradiated Fuel Shipments - Waste Class A

Table 3B: Solid Waste and Irradiated Fuel Shipments - Waste Class B

Table 3C: Solid Waste and Irradiated Fuel Shipments - Waste Class C

Combustion of Waste Oil

TABLE 1A

Effluent and W	Waste Disposa	1 Semiannual	Report	for Year	1995
	Effluents - 1				

	Gaseous Effluents	- Summat:	ion of all	Releases	
Α.	FISSION AND ACTIVATION	Unit	Otr 1	Otr 2	Est. Tot. Error %
	GASES 1. Total release	Ci	6.77E+01	5.72E+01	4.50E+01
	2. Average release rate for period	uCi/sec	8.71E+00	7.28E+00	
В.	3. Percent of technical specification limit IODINES	8	1.51E-02	1.49E-02	
	1. Total I-131	Ci	8.96E-04	4.71E-04	3.50E+01
	2. Average release rate for period	uCi/sec	1.15E-04	5.99E-05	
C.	PARTICULATES NOTE 1				
	1. Total release	Ci	5.07E-03	1.27E-02	3.50E+01
	2. Average release rate for period	uCi/sec	6.53E-04	1.62E-03	
	3. Gross alpha	Ci	2.48E-06	1.30E-06	
D.	TRITIUM 1. Total release	Ci	7.07E+00	5.78E+00	3.00E+01
	2. Average release rate for period	uCi/sec	9.09E-01	7,35E-01	
E?	IODINE-131, IODINE-133,	TRITTIM Z	AND PARTICU	ILATES N	OTE 1
E.	1. Total Release	Ci	7.08E+00		
	<ol> <li>Average release rate for period</li> </ol>	uCi/sec	9.10E-01	7.37E-01	
	<ol> <li>Percent of technica specification limit</li> </ol>		3.77E-02	2.77E-02	
F.	PARTICULATES VIA BURNING 1. Total Release	CONTAMIN Ci	0.00E+00	0.00E+00	
	2. Average release rate for period	uCi/sec	0.00E+00	0.00E+00	
	<ol> <li>Percent of technica specification limit</li> </ol>		0.00E+00	0.00E+00	

NOTE 1: This includes the number of curies released via incineration.

TABLE 1B

Effluent and Waste Disposal Semiannual Report for Year 1995

Gaseous Effluents - Elevated Releases

Continuous Release

Nuclides Released	Unit	Otr 1	Otr 2
1. FISSION GASES argon-41 krypton-85m krypton-87 krypton-88 xenon-133 xenon-135m xenon-135 xenon-136 total for period	Ci Ci Ci Ci Ci Ci	2.64E+00 7.21E+00 9.66E+00 1.18E+01 7.38E+00 2.77E+00 1.12E+01 3.61E+00 5.62E+01	1.61E+00 7.24E+00 1.27E+01 1.51E+01 1.13E+00 2.48E+00 1.51E+01 6.99E-01 5.61E+01
2. IODINES iodine-131 iodine-132 iodine-133 iodine-135 total for period	Ci Ci Ci <u>Ci</u> Ci	4.08E-04 1.91E-03 2.40E-03 3.06E-03 7.78E-03	1.99E-04 1.56E-04 6.37E-04 < LLD 9.92E-04
3. PARTICULATES chromium-51 manganese-54 cobalt-58 cobalt-60 strontium-89 strontium-90 barium-140 lanthanum-140 total for period	Ci Ci Ci Ci Ci Ci	6.46E-05 2.82E-06 1.98E-06 1.83E-05 2.84E-05 2.37E-07 6.28E-05 8.21E-05 2.61E-04	4.51E-05 3.13E-06 < LLD 2.38E-05 1.42E-05 2.12E-07 3.13E-06 6.04E-06 9.56E-05
4. TRITIUM hydrogen-3	Ci	1.32E+00	1.76E+00

TABLE 1C

Effluent and Waste Disposal Semiannual Report for Year 1995 Gaseous Effluents - Ground Level Releases Continuous Release

			0
Nuclides Released	Unit	Otr 1	Otr 2
1. FISSION GASES krypton-85m xenon-133 xenon-135m xenon-135 total for period	Ci Ci Ci Ci	6.14E-01 8.52E-01 3.76E+00 6.28E+00 1.15E+01	< LLD < LLD < LLD 1.12E+00 1.12E+00
2.IODINES iodine-131 iodine-132 iodine-133 iodine-134 iodine-135 total for period	Ci Ci Ci Ci Ci	4.89E-04 7.58E-03 5.46E-03 3.28E-04 9.20E-03 2.30E-02	
3. PARTICULATES NOTE 1 chromium-51 manganese-54 cobalt-58 iron-59 cobalt-60 strontium-89 strontium-90 niobium-95 ruthenium-103 ruthenium-106 cesium-137 barium-140 lanthanum-140 hafnium-181 americium-241 total for period	Ci Ci Ci Ci Ci Ci Ci Ci Ci Ci	4.19E-03 5.48E-05 1.10E-04 < LLD 4.37E-04 1.22E-05 6.23E-08 < LLD < LLD < LLD 1.34E-06 1.06E-06 2.79E-06 < LLD < LLD 4.81E-03	6.49E-03 1.03E-03 5.21E-04 3.15E-04 3.37E-03 4.60E-06 2.51E-07 6.10E-05 5.01E-04 3.18E-04 4.52E-06 1.50E-06 2.71E-07 9.30E-06 1.12E-05 1.26E-02
4. TRITIUM hydrogen-3	Ci	5.75E+00	4.02E+00
		and the second second	

NOTE 1: This includes the number of curies released via incineration.

TABLE 1D

Effluent and Waste Disposal Semiannual Report for Year 1995 Gaseous Effluents - Ground Level Releases For Burning Contaminated Oil

Nuclides Released	Unit	Otr 1	Otr 2
1. PARTICULATES	Ci	0.00E+00	0.00E+00

TABLE 2A

Effluent and Waste Disposal Semiannual Report for Year 1995
Liquid Effluents - Summation of all Releases

	Unit	Qtr 1	Otr 2	Est Tot % Error
A. FISSION AND ACTIVATION PRODUCTS NOTE 1				3 222 02
1. Total release (excluding tritium, gases, & alpha)	Ci	3.88E-01	1.55E-02	4.00E 01
	uCi/ml	1.65E-08	5.74E-10	
3. Percent limit	*	5.84E-01	2.93E-02	
B. TRITIUM NOTE 1				
1. Total release	Ci	1.67E+01	1.17E+01	4.50E 01
2. Avg. diluted conc.	uCi/ml	7.11E-07	4.34E-07	
3. Percent limit	8	7.11E-02	4.34E-02	
C. DISSOLVED AND ENTRAINED C	GASES NO	TE 1		
1. Total release	Ci	7.67E-04	8.61E-04	4.00E 01
2. Avg. diluted conc.	uCi/ml	3.26E-11	3.18E-11	
3. Percent limit	96	1.63E-05	1.59E-05	
D. GROSS ALPHA RADIOACTIVITY	<u>x</u>			
1. Total release	Ci	< LLD	< LLD	4.00E 01
E. VOLUME OF WASTE NOTE 2	liters	3.96E+06	4.94E+06	1.50E 01
F. TOTAL OF DILUTION WATER (used during release for average dil. conc.)	liters	2.35E+10	2.70E+10	1.30E 01
G. VOLUME OF COOLING WATER DISCHARGED FROM PLANT	liters	3.84E+11	3.71E+11	

NOTE 1: Includes radionuclides released via abnormal and/or nonroutine releases.

NOTE 2: Does not include rainwater released (i.e. Storm Drain Collection Basin and/or Storm Drain Collection Pond.)

TABLE 2B

Effluent and Waste Disposal Semiannual Report for Year 1995

Liquid Effluents - Batch Mode

Nuclides Released	Unit	Otr 1	Otr 2
1. FISSION AND ACTIVATION PROD	UCTS		
chromium-51 manganese-54 iron-55 cobalt-58 iron-59 cobalt-60 zinc-69m arsenic-76 niobium-95 niobium-95m technetium-99m iodine-131 iodine-133 cesium-134 cesium-137 hafnium-181 americium-241 total for period	Ci Ci Ci Ci Ci Ci Ci Ci Ci	5.83E-02 1.20E-02 7.44E-03 6.63E-04 < LLD 2.99E-01 < LLD 1.42E-06 1.76E-06 3.60E-05 2.17E-0% 2.38E-06 1.96E-03 7.80E-03 < LLD < LLD 3.88E-01	2.22E-03 6.06E-04 < LLD 1.86E-04 1.34E-05 1.14E-02 1.31E-06 4.01E-06 1.13E-06 < LLD 2.57E-06 1.27E-05 1.32E-05 4.68E-05 8.45E-04 2.19E-04 1.30E-05 1.55E-02
2. DISSOLVED AND ENTRAINED GAS	ES		
krypton-85m xenon-133 xenon-135m xenon-135 total for period	Ci Ci Ci <u>Ci</u> Ci	1.76E-05 6.23E-05 1.12E-04 < LLD 5.75E-04 7.67E-04	We remove the property of the party of the p

# Lower Limits of Detection

### January 1, to June 30, 1995

## µCi/ml

1.	Liquid Rel	eases	2.	Gaseous	Releases
	Mn-54	1.73E-08		Kr-85m	5.28E-09
	Fe-55	4.80E-08		Kr-87	1.22E-08
	Co-58	9.76E-09		Kr-88	2.52E-08
	Fe-59	3.23E-08		Xe-133	2.44E-08
	Co-60	1.37E-08		Xe-133m	7.44E-08
	Zn-65	3.88E-08		Xe-135	4.92E-09
	Zn-69m	8.12E-09		Xe-135m	5.37E-08
	As-76	4.97E-08		Xe-138	2.39E-07
	Nb-95	1.95E-08			
	Nb-95m	4.36E-08			
	Mo-99	9.95E-08	3.	Iodines	and Particulates
	Cs-134	1.94E-08		Mn-54	4.35E-14
	Cs-137	1.89E-08		Co-58	4.03E-14
	Ce-144	7.85E-08		Fe-59	1.01E-13
	Hf-181	1.63E-08		Co-60	5.15E-14
	Am-241	1.18E-07		Zn-65	1.21E-13
	Sr-89	2.62E-08		Sr-89	2.27E-15
	Sr-90	1.36E-08		Sr-90	1.31E-15
	Alpha	4.28E-08		Nb-95	2.85E-14
	Kr-85m	9.99E-09		Ru-103	2.95E-14
	Kr-87	3.09E-08		Ru-106	3.46E-13
	Kr-88	5.39E-08		Cs-134	3.43E-14
	Xe-133	4.96E-08		I-134	1.16E-11
	Xe-133m	1.53E-07		I-135	5.92E-13
	Xe-135	9.40E-09		Cs-137	2.88E-14
	Xe-135m	4.00E-08		Ce-141	4.14E-14
	Xe-138	1.69E-07		Ce-144	1.04E-13
	I-131	1.69E-08		Hf-181	3.07E-14
	Ce-141	1.98E-08		Am-241	1.08E-13
				I-131	2.84E-14

#### NOTES

- 1: The above values represent typical "a priori" LLDs for isotopes where values of "<LLD" are indicated in Tables 1A, 1B, 1C, 2A, and 2B. Also included are isotopes specified in Technical Specifications.
- 2: Where activity for any nuclide is reported as " Less than LLD", that nuclide is considered not present and the LLD activity listed is not considered in summary data.

TABLE 3A

Effluent and Waste Disposal Semiannual Report for Year 1995
Solid Waste and Irradiated Fuel Shipments

Waste Class A	Ja	nuary thro	ugh June
1. Total volume shipped (cubic met	ers)	2.91E+0	2
Total Curie quantity (estimated	)	2.74E+0	2
2. Type of Waste	Units	Six-month Period	Est. Total % Error
<ul><li>a. Spent resins, filter sludges</li><li>b. Dry active waste, compacted noncompacted</li><li>c. Irradiated components</li></ul>	Curies meters <sup>3</sup> Curies	9.61E+01 2.32E+02 1.86E+02 4.03E+01 8.56E+00	1.00E+01 1.00E+01
d. Others	meters3	1.21E+00 0.00E+00 0.00E+00	1.00E+01 N/A
3. Estimate of major radionuclide	compositi	on	
a.	Fe-55 Cr-51 Ni-63 Co-58	6.50E+00% 5.73E+00% 5.06E+00% 3.04E+00%	
b.	196.01.000.1	3.77E+01% 3.21E+00% 2.24E+00%	
с.	Co-60 Fe-55 Mn-54 Ni-63	6.27E+01% 3.27E+01% 3.00E+00% 1.31E+00%	
d.	N/A	N/A	

Table 3A (cont.)
Effluent and Waste Disposal Semiannual Report for Year 1995
Solid Waste and Irradiated Fuel Shipments

# 4. Cross reference table, waste stream, form, and container type.

5	Stream	Form	Container type	No. of shipments
			Type A/Type B	
a.	Resin	Dewatered & Solidified*	11/7	18
b.	Dry active waste	Compacted/ Noncompacted waste	3/1	4
c.	Irradiated components		1/0	1
d.	Other		N/A	0
			ion agent or abs	

# 5. Shipment Disposition

a. Solid Waste

Number of Shipments	Mode of Transportation	Destination
23	Sole Use	CNSI/Barnwell,

# b. Irradiated Fuel

Number of Shipments Mod	e of Transportation	n Destination
	N/A	N/A

TABLE 3B

Effluent and Waste Disposal Semiannual Report for Year 1995

Solid Waste and Irradiated Fuel Shipments

Waste Class B	Ja	nuary thro	ugh June	
1. Total volume shipped (cubic met	ers)	rs) 3.41E+00		
Total Curie quantity (estimated	)	1.11E+0	3	
2. Type of Waste	Units	Six-month Period	Est.Total % Error	
<ul><li>a. Spent resins, filter sludges</li><li>b. Dry active waste, compacted,</li></ul>	The same and the s	0.00E+00 0.00E+00 0.00E+00	N/A	
and noncompacted c. Irradiated components	Curies meters <sup>3</sup>	0.00E+00 3.41E+00	N/A	
d. Others (describe)	Curies meters <sup>3</sup> Curies	0.00E+00	1.00E+01 N/A	
3. Estimate of major radionuclide	compositi	on		
a.	N/A	N/A		
b.	N/A	N/A		
c.	Fe-55 Co-60 Ni-63 Mn-54	4.56E+0 3.63E+0	01%	
d.	N/A	N/A		

TABLE 3B (cont.)

Effluent and Waste Disposal Semiannual Report For Year 1995

Solid Waste and Irradiated Fuel Shipments

# 4. Cross reference table, waste stream, form and container type

1	Stream	Form	Container type N	o. of shipments
			Type A/Type B	
a.	Resin	Dewatered & Solidified	N/A	0
b.	Dry active waste	Compacted/ Noncompacted waste	N/A	0
c.	Irradiated components		0/1	1
d.	Other		N/A	0
			agent or absorbent urea formaldehyde)	N/A

# 5. Shipment Disposition

a. Solid Waste

Number of Shipments	Mode of Transportation	Destination
1	Sole Use	CNSI/Barnwell SC
b. Irradiated Fuel		
Number of Shipments	Mode of Transportation	n Destination
0	N/A	N/A

TABLE 3C Effluent and Waste Disposal Semiannual Report for Year 1995 Solid Waste and Irradiated Fuel Shipments

Waste Class C	Januar	y through	<u>June</u>
1. Total volume shipped (cubic mete	rs)	3.84E+00	
Total Curie quantity (estimated)		9.47E+01	
2. Type of Waste		month Es	t.Total % Error
<ul> <li>a. Spent resins, filter sludges</li> <li>b. Dry active waste, compacted and noncompacted</li> <li>c. Irradiated components</li> <li>d. Others (describe)</li> </ul>	Curies meters <sup>3</sup> Curies meters <sup>3</sup>	9.47E+01 0.00E+00 0.00E+00 0.00E+00	1.00E+01 N/A N/A N/A
3. Estimate of major radionuclide c	omposition		
a.		8.46E+01% 1.33E+01% 2.10E+00%	
b.	N/A	N/A	
c.	N/A	N/A	
d.	N/A	N/A	

TABLE 3C (cont.)

Effluent and Waste Disposal Semiannual Report for Year 1995

Solid Waste and Irradiated Fuel Shipments

# 4. Cross reference table, waste stream, form and container type

	Stream	Form	Container Type	No. of shipments
			Type A/Type B	
a.	Resin	Dewatered & Solidified *	0/1	1
b.	Dry active waste	Compacted Noncompacted waste	N/A	0
c.	Irradiated components		N/A	0
d.	Others		N/A	5
			agent or absorben urea formaldehyde	

# 5. Shipment Disposition

a. Solid Waste

Number of Shipments	Mode of Transport	ation Destination
1	Sole Use	CNSI/Barnwell, SC

b. Irradiated Fuel (non-burial)

Number of Shipments	Mode of Transportation	Destination
5	Rail Car IF-300 Cask Sole Use	CP&L/SHNPP

ATTACHMENT 2 (Cont.)

Combustion of Waste Oil

January 1, to June 30, 1995

There was no incineration of contaminated waste oil during this report period.

# Environmental Monitoring Program January 1, to June 30, 1995

Enclosure 1: Milk and Vegetable Sample Locations

Enclosure 2: Land Use Census

### ATTACHMENT 3 (Cont.)

#### ENCLOSURE 1

Milk and Vegetation Sample Locations

January 1, to June 30, 1995

No milk samples were identified during the last Land Use Census, therefore, no milk locations were available during this time period.

Vegetation sample locations remained unchanged.

ATTACHMENT 3 (Cont.)

ENCLOSURE 2

Land Use Census

January 1, to June 30, 1995

The results of the 1995 Land Use Census will be reported in the next Semiannual Radioactive Effluent Release Report.

# Effluent Instrumentation

January 1, to June 30, 1995

Enclosure 1: Radioactive Liquid Effluent Monitoring Instrumentation.

Enclosure 2: Radioactive Gaseous Effluent Monitoring

Enclosure 3: Liquid Hold-Up Tank

# ATTACHMENT 4 (Cont.)

#### ENCLOSURE 1

Radioactive Liquid Effluent Monitoring Instrumentation

January 1, to June 30, 1995

No Radioactive Liquid Effluent Monitoring Instrumentation was inoperable for greater than 30 days.

# ATTACHMENT 4 (Cont.)

#### ENCLOSURE 2

Radioactive Gaseous Effluent Monitoring Instrumentation

January 1, to June 30, 1995

No Radioactive Gaseous Effluent Monitoring Instrumentation was inoperable for greater than 30 days.

ATTACHMENT 4 (Cont.)

ENCLOSURE 3

Liquid Hold-Up Tank

January 1, to June 30, 1995

No liquid hold-up tank exceeded the 10 Ci limit during this reporting period.

Major Modifications to the Radioactive Waste Treatment System

January 1, to June 30, 1995

As per footnote 7 to Technical Specification 6.15, a discussion of any major modifications to the radioactive waste treatment systems will be submitted with the Final Safety Analysis Report update.

# Meteorological Data

January 1, to June 30, 1995

As per Technical Specification 6.3.1.10.a footnote 6, the annual summary of meteorological data collected over the calendar year will be submitted to a file and will be available for NRC review upon request.

Annual Dose Assessment

January 1, to June 30, 1995

As per Technical Specification 6.9.1.10.b, an assessment of radiation doses due to the radioactive liquid and gaseous effluents released during the calendar year will be reported within 90 days after January 1 of each year. The annual dose assessment is not included with this report.

Off-Site Dose Calculation Manual (ODCM) and
Process Control Program (PCP) Revisions

January 1, to June 30, 1995

There were no revisions made to the Off-Site Dose Calculation

Manual or Process Control Program during this reporting period.