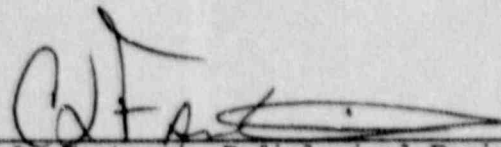


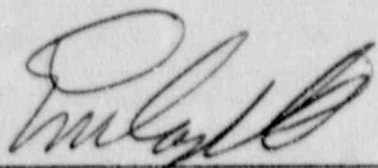
RIVER BEND STATION - UNIT I
SEMIANNUAL RADIOACTIVE
EFFLUENT RELEASE REPORT ADDENDUM

REPORT PERIOD: JANUARY 1, 1989 THROUGH JUNE 30, 1989

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**SEMIANNUAL RADIOACTIVE EFFLUENT
RELEASE REPORT ADDENDUM**

FACILITY: River Bend Station - Unit I
LICENSEE: Gulf States Utilities Company
REPORT PERIOD: January 1, 1989 through June 30, 1989

This addendum is submitted under River Bend Station (RBS) License Number NPF-47. It provides information obtained from vendor-performed analysis of quarterly composite samples that was not available when the Quarter 1/2 1989 RBS Semiannual Radioactive Effluent Release Report was being compiled. Updates are provided for the following:

- (1) Table 3 Gaseous Effluents - Summation of all Releases
Items C.1 - C.3, page 17
- (2) Table 4 Gaseous Effluents - Conditionally Elevated
Releases. Item 3, page 20
- (3) Table 5 Gaseous Effluents - Ground Level Releases
Item 3, page 23
- (4) Table 6 Liquid Effluents - Summation of all Releases
Items A.1 - A.3, page 25
- (5) Table 6 Liquid Effluents - Summation of all Releases
Item G, pages 27 and 28

An entry of "0.00E+00" Ci in the following tables indicates that the concentration of a particular radionuclide was below the Lower Limit of Detection (LLD).

TABLE 3 ADDENDUM

Effluent and Waste Disposal Semi-Annual Report 1989 Year
Gaseous Effluents - Summation of All Releases 1/2 Quarters

	Unit	Quarter 1	Quarter 2	Est. Total Error, %
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C. Particulates

1. Particulates with half-lives of >8 days	Ci	PR	3.78E-06	1.86E+01
2. Average release rate for period	uCi/sec	PR	4.80E-07	
3. Percent of technical specification limit	%	PR	2.89E-02	
4. Gross alpha radioactivity	Ci	PR	PR	

PR - Previously Reported

TABLE 4 ADDENDUM

Effluent and Waste Disposal Semiannual Report 1989 Year

Gaseous Effluents - Conditionally Elevated Releases 1/2 Quarters

Continuous Mode				Batch Mode	
Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
3. Particulates					
Strontium-89	Ci	PR	4.20E-07	N/A	N/A
Strontium-90	Ci	PR	0.00E+00 ⁽¹⁾	N/A	N/A
Total for Period	Ci	PR	4.20E-07	N/A	N/A

PR - Previously Reported

(1) Quarterly composite particulate filter analysis indicates a Minimum Detectable Activity (MDA) concentration of $<7.0 \text{ E-16}$ uCi/cc for the Main Plant Exhaust Duct. This value is less than the Lower Limit of Detection (LLD) of 1.0 E-11 uCi/ml as specified in table 4.11.2.1.2-1 of RBS Technical Specifications.

TABLE 5 ADDENDUM

Effluent and Waste Disposal Semiannual Report 1989 YearGaseous Effluents - Ground Level Releases 1/2 Quarters

Continuous Mode

Batch Mode

Nuclides Released	Unit	Quarter 1	Quarter 2	Quarter 1	Quarter 2
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3. Particulates

Strontium-89	Ci	PR	0.00E+00 ⁽¹⁾	N/A	N/A
Strontium-90	Ci	PR	0.00E+00 ⁽¹⁾	N/A	N/A

Total for Period	Ci	PR	3.36E-06	N/A	N/A
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PR - Previously Reported

- (1) Quarterly composite particulate filter analysis indicates a Minimum Detectable Activity (MDA) concentration of $<5.0 \text{ E-16}$ uCi/cc for the Fuel Building Exhaust Vent and the Radwaste Building Exhaust Vent. This value is less than the Lower Limit of Detection (LLD) of 1.0 E-11 uCi/ml as specified in table 4.11.2.1.2-1 of RBS Technical Specifications.

TABLE 6 ADDENDUM

Effluent and Waste Disposal Semi-Annual Report 1989 Year
Liquid Effluents - Summation of All Releases 1/2 Quarters

	Unit	Quarter 1	Quarter 2	Est. Total Error, %
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A. Fission and activation products

1. Total release (not including, tritium, gases, alpha)	Ci	PR	1.46E-01	1.42E+01
2. Average diluted concentration during period	uCi/ml	PR	1.24E-07	
3. Percent of applicable limit (1)	%	PR	1.17E+01	

PR - Previously Reported

TABLE 6 ADDENDUM

Effluent and Waste Disposal Semiannual Report 1989 YearG. Liquid Effluent 1/2 Quarters

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter 1	Quarter 2	Quarter 1	Quarter 2
Strontium-89	Ci	N/A	N/A	PR	0.00E+00 ⁽¹⁾
Strontium-90	Ci	N/A	N/A	PR	0.00E+00 ⁽¹⁾
Iron-55	Ci	N/A	N/A	PR	9.122E-03
Total For Period	Ci	N/A	N/A	PR	2.37E+00

PR - Previously Reported

- (1) Analysis of quarterly composite indicates a Minimum Detectable Activity (MDA) concentration of $<2.0 \text{ E-08 uCi/ml}$ for Sr-89 and $<4.0 \text{ E-09 uCi/ml}$ for Sr-90. These values are less than the Lower Limit of Detection (LLD) of 5.0 E-8 uCi/ml as specified in Table 4.11.1.1.1-1 of RBS Technical Specifications.