Attachment to TXX-92422

Corrected Tables for 1990 and 1991
CPSES Semiannual Radioactive Effluent Reports

-Table 7.3, Gaseous Effluents--Summation Of All Releases (end-of-year 1990 report).

-Table 7.5, Liquid Effluents--Summation Of All Releases (mid-year 1991 report).

-Table 7.7, Solid Waste And Irradiated Fuel Shipments (mid-year 1991 report).

-Table 7.13, Solid Waste And Irradiated Fuel Shipments (end-of-year 1991 report).

Table 7.3

GASEOUS EFFLUENTS--SUMMATION OF ALL RELEASES

	Units	Quarter 3	Quarter 4	Est. Total Error, %	
A. Fission and Activation Gases					
1. Total release	Ci	4.44E+01	3.08E+02	1.76E+01	
2. Average release rate for period	µCi/sec	5.59E+01	3.88E+01		
3. Percent of 10CFR REC limit (Total Body)	%	1.30E-02	8.61E-03		
4. Percent of 10CFR REC limit (Skin)	%	6.71E-03	4.75E-03		
B. Iodines					
1. Total iodine-131	Ci	0.00E+00	0.00E+00		Note 1
2. Average release rate for period	µCi/sec	0.00E+00	0.00E+00		
3. Percent of 10CFR REC limit (Organ)	%	0.00E+00	0.00E+00		
C. Particulates					
1. Particulates with half lives > 8 Days	Ci	0.00E+00	0.00E+00		Note 1
2. Average release rate for period	µCi/sec	0.00E+00	0.00E+00		
3. Percent of 10CFR REC limit (Organ)	%	0.00E+00	0.00E+00		
4. Gross alpha radioactivity	Ci	8.76E-05	1.69E-04		Note 2
D. Tritium					
1. Total release	Ci	2.00E+00	4.07E+00	2.40E+01	
2. Average release rate for period	µCi/sec	2.51E-01	5.12E-01		
3. Percent of 10CFR REC limit (Organ)	%	7.03E-04	1.43E-03		

Note 1: No iodine or particulate activity is reported for gaseous effluents, therefore errors for these values are not reported.

Note 2: The gross alpha radioactivity reported is assumed to be radon daughters, as discussed in section 2.4.2.

Table 7.5

LIQUID EFFLUENTS--SUMMATION OF ALL RELEASES

	Units	Quarter 3	Quarter 4	Est. Total Error, %
A. Fission and Activation Products				
1. Total release (not including tritium, gases, alpha)	Ci	3.42E-03	7.91E-03	1.95E+01
2. Average diluted concentration during period	µCi/ml	1.05E-10	3.27E-10	
3. Percent of ODCM REC limit	%	3.56E-04	1.38E-03	
B. Tritium				
1. Total release	Ci	8.43E+01	9.22E+01	2.00E+01
2. Average diluted concentration during period	µCi/ml	2.58E-06	3.81E-06	
3. Percent of ODCM REC limit	%	8.59E-02	1.27E-01	
C. Dissolved and Entrained Gases				
1. Total release	Ci	2.65E-01	4.69E-02	1.88E+01
2. Average diluted concentration during period	µCi/ml	8.11E-09	1.94E-09	
3. Percent of ODCM REC limit	%	4.06E-03	9.69E-04	
D. Gross Alpha Radioactivity				
1. Total release	Ci	9.93E-05	7.95E-05	Note 1
E. Volume of waste released (prior to dilution)	Liters	2.36E+06	1.82E+06	2.20E+00
F. Volume dilution of water used during period	Liters	3.27E+10	2.42E+10	1.00E+01

Note 1: The gross alpha radioactivity reported is assumed to be radon daughters, as discussed in section 2.4.1.

Table 7.7

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite For Burial or Disposal (Not Irradiated Fuel)

1.Type of Waste	Unit	6-month Period	Est. Total Error %
a.Spent resins[1,2]	m^3 Ci	5.83E+00 1.22E-02	1.00E+01
b.Dry compressible waste, contaminated equip., etc.[1,3]	m^3 Ci	5.70E+00 4.97E-02	1.00E+01
c.Irradiated components, control rods, etc.	m^3 Ci	NONE N/A	N/A

1. There were no solidification agents or absorbents applied to the solid waste.
2. Volume shipped to burial site
3. Volume shipped to burial sites via waste processors

2. Estimate of Major Nuclide Composition (by type of waste)

Type of Waste	Nuclide	% Abund.	Activity
a.Spent resins	H-3	99.7%	1.22E-02
b.Dry compressible waste, contamirated eqiup., etc.	Co-58 Fe-55 Mn-54	63.8% 29.0% 6.4%	3.17E-02 1.48E-02 3.18E-03

3. Solid Waste Disposition

Waste Class	Number of Shipments	DOT Type	Type of Container	Transportation Mode	Shipped To	Burial Site
AU	1.00E+00	LSA	Type A	Truck	Barnwell	Barnwell
AU	1.00E+00	LSA	Strong-tight	Truck	SEG	Barnwell
AU	1.00E+00	LSA	Strong-tight	Truck	SEG	Beatty

B. Irradiated Fuel Shipments (Disposition)

Number of Shipments	Mode of Transporation	Destination
0	N/A	N/A

TABLE 7.13

SOLID WASTE AND IRRADIATED FUEL SHIPMENTS

A. Solid Waste Shipped Offsite for Burial or Disposal (Not Irradiated Fuel)

1. Type of Waste	Unit	6-month Period	Est. Total Error %
a. Spent resins	m^3 Ci	None N/A	N/A
b. Dry compressible waste, contaminated equip. etc. [1,2,3]	m^3 Ci	5.83E+01 7.14E-01	1.00E+01
c. Irradiated components, control rods, etc.	m^3 Ci	None N/A	N/A
d. Other	m^3 Ci	None N/A	N/A

1. There were no solidification agents or absorbents applied to the solid waste
2. Volume shipped to burial site via waste processors.
3. Volume includes waste buried in prior 6 month period but not reported in last Semiannual Effluent Report.

2. Estimate of Major Nuclide Composition (by type of waste)	Nuclide	% Abund.	Activity (Ci)
b. Dry compressible waste, contaminated equipment, etc.	Co-58	56.1%	4.01E-01
	Cr-51	19.7%	1.41E-01
	Zr-95	4.4%	3.14E-02
	Nb-95	4.4%	3.14E-02
	Co-60	2.4%	1.71E-02
	Mn-54	2.3%	1.64E-02
	I-131	1.4%	1.00E-02
	Ni-63	1.2%	8.57E-03
	Fe-59	1.1%	7.85E-03
	Others	7.0%	5.00E-02

3. Solid Waste Disposition						
Waste Class	Number of Shipments	DOT Type	Type of Container	Transportation Mode	Shipped To	Burial Site
AU	5.00E+00	LSA	Strong-tight	Truck	ALARON	Barnwell
AU	5.00E+00	LSA	Strong-tight	Truck	SEG	Beatty

B. Irradiated Fuel Shipments (Disposition)

Number of Shipments	Mode of Transportation	Destination
0	N/A	N/A