

Table 5A

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

Corrected Report for
July - December, 1990

	Unit	Quarter	Quarter	Est.Total Error, %
A. Fission and activation products		3	4	
1. Total release (not including tritium, gases, alpha)	Ci	2.39E-02	4.67E-02	7.0 E+00
2. Average diluted concentration during period	uCi/ml	1.40E-10	2.73E-10	
3. Percent of applicable limit	%	2.22E-02	3.48E-02	
B. Tritium				
1. Total release	Ci	4.27E+01	5.13E+01	3.2 E+00
2. Average diluted concentration during period	uCi/ml	2.50E-07	3.00E-07	
3. Percent of applicable limit	%	8.32E-03	1.00E-02	
C. Dissolved and entrained gases				
1. Total release	Ci	3.42E-03	2.61E-02	3.2 E+01
2. Average diluted concentration during period	uCi/ml	2.00E-11	1.53E-10	
3. Percent of applicable limit	%	1.00E-05	7.63E-05	
D. Gross alpha radioactivity				
1. Total release	Ci	5.5E-06		6.0E+01
E. Volume of waste released (prior to dilution)	liters	2.89E+07	3.60E+07	5.0 E+00
F. Volume of dilution water used during period	liters	1.71E+11	1.71E+11	5.0 E+00

9109200173 910829
PDR ADOCK 05000244
R PDR

Table 5B

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
Corrected Report for
LIQUID EFFLUENTS

July - December, 1990

Nuclides Released	Unit	CONTINUOUS MODE		BATCH MODE	
		Quarter	Quarter	Quarter	Quarter
		3	4	3	4
strontium-89	Ci			2.90E-05	8.44E-05
strontium-90	Ci			9.39E-06	
cesium-134	Ci	3.51E-05	2.20E-06	6.64E-04	6.02E-03
cesium-136	Ci			2.82E-04	1.84E-03
cesium-137	Ci	1.38E-04	3.24E-04	1.74E-03	7.94E-03
iodine-131	Ci	5.72E-04	1.06E-03	8.74E-03	1.53E-02
iodine-133	Ci	1.29E-04	8.33E-05	5.88E-03	3.55E-03
iodine-135	Ci	1.03E-05	1.41E-05	2.29E-03	5.37E-04
cobalt-58	Ci			2.55E-04	3.57E-05
cobalt-60	Ci			9.59E-04	8.37E-05
iron-59	Ci				
zinc-65	Ci				
manganese-54	Ci			2.19E-05	
chromium-51	Ci			2.26E-04	1.91E-05
tellurium-131 m	Ci				8.73E-03
zirconium-niobium-95	Ci			1.91E-04	3.94E-04
molybdenum-99	Ci				
technetium-99m	Ci				
barium-lanthanum-140	Ci				3.12E-05
cerium-141	Ci				5.73E-06
Other (specify)	Ci				
iron-55	Ci			6.15E-04	7.89E-05
ruthenium-106	Ci			2.13E-04	
silver-110 m	Ci			7.06E-04	
antimony-122	Ci				2.25E-04
antimony-124	Ci			1.04E-04	3.61E-04
antimony-125	Ci			8.02E-05	
unidentified	Ci				
Total for period (above)	Ci	8.84E-04	1.48E-03	2.30E-02	4.52E-02
xenon-133	Ci			2.33E-03	2.54E-02
xenon-135	Ci			1.09E-03	7.07E-04

NOTE: Isotopes for which no value is given were not identified in applicable releases.

