

Table 1B  
Effluent and Waste Disposal Semiannual Report Year 1983  
Gaseous Effluents - Elevated Release

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter III	Quarter IV	Quarter	Quarter

1. Fission gases

argon-41	Ci	7.92E+01	<MDA		
krypton-85m	Ci	3.96E+03	1.56E+03		
krypton-85	Ci	<MDA	<MDA		
krypton-87	Ci	1.35E+04	5.76E+03		
krypton-88	Ci	1.09E+04	4.79E+03		
xenon-133m	Ci	1.62E+04	3.18E+03		
xenon-133	Ci	6.11E+03	2.27E+03		
xenon-135m	Ci	2.22E+04	9.24E+03		
xenon 135	Ci	1.86E+04	7.63E+03		
xenon-138	Ci	8.61E+04	2.88E+04		
unidentified	Ci	2.28E+03	8.69E+02		
Total for period	Ci	1.80E+05	6.41E+04		

2. Gaseous Iodines

iodine-131	Ci	8.00E-01	2.46E-01		
iodine 132	Ci	2.04E-01	5.14E-01		
iodine 133	Ci	4.63E+00	1.37E+00		
iodine-134	Ci	<MDA	<MDA		
iodine-135	Ci	5.79E+00	1.74E+00		
Total for period	Ci	1.14E+01	3.87E+00		

3. Particulates

strontium-89	Ci	5.41E-02	1.15E-01		
strontium-90	Ci	3.40E-05	9.06E-05		
cesium-134	Ci	<MDA	<MDA		
cesium-137	Ci	1.75E-03	2.39E-03		
barium-lanthanum-140	Ci	2.53E-02	6.02E-02		
cobalt-58	Ci	8.30E-05	3.39E-05		
cobalt-60	Ci	9.15E-05	4.01E-04		
chromium-51	Ci	1.26E-04	9.90E-04		
zirconium-niobium-95	Ci	<MDA	<MDA		
zinc-65	Ci	<MDA	<MDA		
cerium-144	Ci	<MDA	<MDA		
iron-59	Ci	9.09E-05	<MDA		
manganese-54	Ci	1.27E-04	1.19E-04		
iodine-131	Ci	8.00E-01	2.47E-01		
unidentified	Ci	1.53E-02	7.92E-03		
Total for period	Ci	9.63E-01	3.79E-01		

4.0 Tritium

hydrogen-3	Ci	2.38E+00	1.42E+00		
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