

Table 1C
Effluent and Waste Disposal Semiannual Report Year 1983
Gaseous Effluents - Ground Level Releases

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter III	Quarter IV	Quarter	Quarter
1. Fission gases					
argon-41	Ci	<MDA	<MDA		
krypton-85m	Ci	3.88E+00	1.97E+00		
krypton-85	Ci	<MDA	<MDA		
krypton-87	Ci	<MDA	<MDA		
krypton-88	Ci	1.84E+01	9.33E+00		
xenon-133m	Ci	1.68E+02	1.32E+02		
xenon-133	Ci	3.33E+03	2.67E+03		
xenon-135m	Ci	1.72E+01	8.70E+00		
xenon 135	Ci	9.90E+02	7.71E+02		
xenon-138	Ci	<MDA	<MDA		
unidentified	Ci	1.02E+02	8.81E+01		
Total for period	Ci	4.63E+03	3.69E+03		

2. Gaseous Iodines					
iodine-131	Ci	5.67E-03	4.64E-04		
iodine 132	Ci	2.66E-03	5.97E-05		
iodine 133	Ci	2.04E-02	2.28E-03		
iodine-134	Ci	1.11E-03	<MDA		
iodine-135	Ci	2.08E-02	5.03E-04		
Total for period	Ci	5.06E-02	3.30E-03		

3. Particulates					
strontium-89	Ci	4.18E-05	8.32E-07		
strontium-90	Ci	1.43E-05	1.85E-06		
cesium-134	Ci	1.88E-05	4.19E-06		
cesium-137	Ci	7.94E-05	3.59E-05		
barium-lanthanum-140	Ci	6.58E-07	<MDA		
cobalt-58	Ci	4.49E-06	1.61E-06		
cobalt-60	Ci	4.67E-04	3.60E-04		
chromium-51	Ci	1.90E-03	4.74E-04		
zirconium-niobium-95	Ci	<MDA	<MDA		
zinc-65	Ci	<MDA	<MDA		
iron-59	Ci	<MDA	<MDA		
manganese-54	Ci	1.38E-04	7.54E-05		
iodine-131	Ci	5.66E-03	4.64E-04		
cerium-141	Ci	<MDA	<MDA		
cerium-144	Ci	<MDA	<MDA		
cobalt-57	Ci	<MDA	<MDA		
	Ci				
silver-111	Ci	<MDA	<MDA		
unidentified	Ci	4.17E-04	1.84E-04		
Total for period	Ci	8.73E-03	1.61E-03		

4.0 Tritium					
hydrogen-3	Ci	3.45E+00	2.46E+00		

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