

TABLE 2-1a  
UNIT 1

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT 1983

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

E. I. Hatch Nuclear Power Plant UNIT 1	Unit	Quarter 3	Quarter 4	Est Total Error %
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A. Fission & activation gases

1. Total release	Ci	1.30E+04	3.91E+03	8.00E+01
2. Average release rate for period	uCi/sec	1.65E+03	4.86E+02	
3. % of Technical specification limit	%	1.60E+00	5.15E-01	

B. Iodines

1. Total iodine-131	Ci	3.00E-02	6.85E-03	1.10E+02
2. Average release rate for period	uCi/sec	3.81E-03	8.52E-04	
3. % of Technical specification limit	%	1.50E+00	3.42E-01	

C. Particulates

1. Particulates with half-lives > 8 days	Ci	6.50E-03	2.75E-03	1.00E+02
2. Average release rate for period	uCi/sec	8.27E-04	3.43E-04	
3. % of Technical specification limit	%	1.49E+00	3.94E-01	
4. Gross alpha radioactivity	Ci	3.21E-06	2.37E-06	

D. Tritium

1. Total release	Ci	9.97E+00	6.36E+00	9.00E+01
2. Average release rate for period	uCi/sec	1.27E+00	7.92E-01	
3. % of Technical specification limit	%	2.84E+01	8.70E+00	

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TABLE 2-1c  
SITE

EFFLUENT AND WASTE DISPOSAL SEMI-ANNUAL REPORT 1983

GASEOUS EFFLUENTS-SUMMATION OF ALL RELEASES

E. I. Hatch Nuclear Power Plant SITE	Unit	Quarter 3	Quarter 4	Est Total Error %
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A. Fission & activation gases

1. Total release	Ci	1.36E+04	1.21E+04	8.00E+01
2. Average release rate for period	uCi/sec	1.74E+03	1.50E+03	
3. % of Technical specification limit	%	1.99E+00	9.37E+00	

B. Iodines

1. Total iodine-131	Ci	3.41E-02	8.10E-03	1.10E+02
2. Average release rate for period	uCi/sec	4.33E-03	1.01E-03	
3. % of Technical specification limit	%	8.51E-01	2.03E-01	

C. Particulates

1. Particulates with half-lives > 8 days	Ci	7.25E-03	5.64E-03	1.00E+02
2. Average release rate for period	uCi/sec	9.22E-04	7.02E-04	
3. % of Technical specification limit	%	1.67E+00	1.02E+00	
4. Gross alpha radioactivity	Ci	4.44E-06	3.15E-06	

D. Tritium

1. Total release	Ci	1.46E+01	1.37E+01	9.00E+01
2. Average release rate for period	uCi/sec	1.86E+00	1.70E+00	
3. % of Technical specification limit	%	3.30E+01	1.63E+01	