

Table 2.1-1

MILLSTONE NUCLEAR POWER STATION - UNIT No. 1EFFLUENT AND WASTE DISPOSAL REPORT
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASESer 1984

Units				QUARTERLY TOTALS	Est. Total Error, %
	JAN.	FEB.	MARCH		

Fission and Activation Products

Total released(not including H-3,Gases, Alpha)	Ci	7.25 E-03	1.64 E-03	8.36 E-03	1.73 E-02	1.50E+01
Average diluted concentration during period *	uCi/ml	1.91 E-09	4.44 E-10	1.60 E-09	1.36 E-09	
Percent of applicable limit **	%				0.010	

** Based on limit of 1.5 mrem whole body dose per quarter - E.T.S. 2.4.1.2.D

B. Tritium

Total Released	Ci	2.49 E-01	6.28 E-03	5.14 E-01	7.69 E-01	1.50E+01
Average diluted concentration during period*	uCi/ml	6.55 E-08	1.70 E-09	9.85 E-08	6.06 E-08	

C. Dissolved and Entrained Gases

1. Total Released	Ci	1.13 E-02	3.63 E-06	1.96 E-05	1.13 E-02	1.50E+01
2. Average diluted concentration during period*	uCi/ml	2.97 E-09	9.84 E-13	3.75 E-12	8.90 E-12	

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D. Gross Alpha Radioactivity

1. Total Released	Ci	$\leq 1.70 \text{ E-05}$	$\leq 6.36 \text{ E-06}$	$\leq 1.77 \text{ E-05}$	-----	1.50E+01
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* During periods of actual release.

E. Volume of waste released(Prior to dilution)	liters	2.83 E+05	1.59 E+05	2.08 E+05	6.50 E+05	1.00E+01
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F. Volume of dilution water used during period	liters	1.49 E+11	1.59 E+11	1.69 E+11	4.77 E+11	1.00E+01
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MILLSTONE NUCLEAR POWER STATION - UNIT No. 1

EFFLUENT AND WASTE DISPOSAL REPORT
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

Year 1984

Units	APRIL	MAY	JUNE	QUARTERLY TOTALS	Est. Total Error, %
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A. Fission and Activation Products

1. Total released(not including H-3,Gases, Alpha)	Ci	1.95E-03	2.34E-03	1.17E-02	1.60E-02	1.50E+01
2. Average diluted concentration during period *	uCi/ml	1.15E-09	1.81E-08	1.04E-08	5.41E-09	
3. Percent of applicable limit **	%				0.015	

** Based on limit of 1.5 mrem whole body dose per quarter E.T.S. 2.4.1.2.D

B. Tritium

1. Total Released	Ci	5.20E-01	4.88E-01	4.55E+00	5.56E+00	1.50E+01
2. Average diluted concentration during period*	uCi/ml	3.06E-07	3.78E-06	4.03E-06	1.88E-06	

C. Dissolved and Entrained Gases

1. Total Released	Ci	6.18E-06	-----	1.78E-04	1.84E-04	1.50E+01
2. Average diluted concentration during period*	uCi/ml	3.64E-12	-----	1.58E-10	6.22E-11	

D. Gross Alpha Radioactivity

1. Total Released	Ci	≤ 9.60E-06	≤ 2.50E-05	≤ 6.48E-05	-----	1.50E+01
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* During periods of actual release.

E. Volume of waste released(Prior to dilution)	liters	1.60E+05	5.00E+05	2.16E+06	2.82E+06	1.00E+01
F. Volume of dilution water used during period	liters	1.26 E+11	9.91 E+10	1.41 E+11	3.29 E+11	1.00E+01

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EFFLUENT AND WASTE DISPOSAL REPORT
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

Year 1984

Units	JULY	AUGUST	SEPTEMBER	QUARTERLY TOTALS	Est. Total Error, %
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A. Fission and Activation Products

1. Total released(not including H-3,Gases, Alpha)	Ci	9.97E-04	7.24E-04	1.05E-03	2.78E-03	1.50E+01
2. Average diluted concentration during period*	μ Ci/ml	1.69E-10	3.66E-10	4.63E-10	2.73E-10	
3. Percent of applicable limit **	%				2.07E-03%	

B. Tritium

1. Total Released	Ci	5.38E-01	4.83E-01	4.25E-02	1.06E+00	1.50E+01
2. Average diluted concentration during period*	μ Ci/ml	9.12E-08	2.44E-07	1.87E-08	1.04E-07	

C. Dissolved and Entrained Gases

1. Total Released	Ci	4.95E-03	1.73E-03	-----	6.68E-03	1.50E+01
2. Average diluted concentration during period*	μ Ci/ml	8.39E-10	8.74E-10	-----	6.55E-10	

D. Gross Alpha Radioactivity

1. Total Released	Ci	$\leq 3.45E-05$	$\leq 2.32E-05$	$\leq 6.36E-06$	-----	1.50E+01
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* During periods of actual release.

E. Volume of waste released(Prior to dilution)	liters	6.90E+05	3.86E+05	1.06E+05	1.18E+06	1.00E+01
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F. Volume of dilution water used during period	liters	1.70 E+11	1.67 E+11	1.65 E+11	5.02 E+11	1.00E+01
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Units	OCT.	NOV.	DEC.	QUARTERLY TOTALS	Est. Total Error, %
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A. Fission and Activation Products

1. Total released(not including H-3,Gases, Alpha)	Ci	5.88E-04	1.06E-04	1.05E-03	1.74E-03	1.50E+01
2. Average diluted concentration during period **	uCi/ml	1.78E-10	3.34E-11	2.35E-10	1.60E-10	
3. Percent of applicable limit **	%				1.33E-03%	

B. Tritium

1. Total Released	Ci	1.67E-01	4.23E-01	5.95E-01	1.19E+00	1.50E+01
2. Average diluted concentration during period*	uCi/ml	5.05E-08	1.33E-07	1.33E-07	1.09E-07	

C. Dissolved and Entrained Gases

1. Total Released	Ci	1.86E-04	1.65E-04	8.40E-04	1.19E-03	1.50E+01
2. Average diluted concentration during period*	uCi/ml	5.62E-11	5.21E-11	1.88E-10	1.09E-10	

D. Gross Alpha Radioactivity

1. Total Released	Ci	$\leq 1.14E-05$	$\leq 1.17E-05$	$\leq 2.11E-05$	- - -	1.50E+01
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* During periods of actual release.

E. Volume of waste released(Prior to dilution)	liters	2.28E+05	1.95E+05	3.84E+05	8.07E+05	1.00E+01
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F. Volume of dilution water used during period	liters	1.69 E+11	1.60 E+11	1.71 E+11	5.00 E+11	1.00E+01
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