

MILLSTONE NUCLEAR POWER STATION - UNIT No. 2EFFLUENT AND WASTE DISPOSAL REPORT  
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASESYear 1984

Units	1 Jan.	2 Feb.	3 March	QUARTERLY TOTALS	Est. Total Error, %
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## A. Fission and Activation Products

. Total released(not including H-3,Gases, Alpha)	Ci	5.77E-01	5.67E-01	3.47E-01	1.49E + 00	1.50E+01
. Average diluted concentration during period*	µCi/ml	9.80E-09	6.86E-09	3.40E-09	6.11E-09	
. Percent of applicable limit **	%				0.63	

\*\* Based on limit of 1.5 mrem whole body dose per quarter = ETS 2.4.1.2.D

## B. Tritium

. Total Released	Ci	5.45E + 00	1.27E + 01	2.92E + 01	4.74E + 01	1.50E+01
. Average diluted concentration during period*	µCi/ml	9.25E-08	1.54E-07	2.86E-07	1.94E-07	

## C. Dissolved and Entrained Gases

. Total Released	Ci	9.81E-02	4.70E-01	4.75E-01	1.04E + 00	1.50E+01
. Average diluted concentration during period*	µCi/ml	1.67E-09	5.68E-09	4.66E-09	4.26E-09	

## D. Gross Alpha Radioactivity

. Total Released	Ci	≤ 4.34E-04	≤ 4.48E-04	≤ 2.02E-03	-----	1.50E+01
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\* During periods of actual release.

. Volume of waste released(Prior to dilution)	liters	2.74E + 07	2.73E + 07	5.63E + 07	1.11E + 08	1.00E+01
. 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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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	2.06E-01	3.72E-01	2.80E-01	8.58E-01	1.50E+01
2. Average diluted concentration during period*	µCi/ml	2.50E-09	4.44E-09	2.67E-09	3.20E-09	
3. Percent of applicable limit **	%				0.93	

\*\* Based on limit of 1.5 mrem whole body dose per quarter ETS 2.4.1.2.D

## B. Tritium

1. Total Released	Ci	4.38E+00	4.58E+01	2.69E+01	7.71E+01	1.50E+01
2. Average diluted concentration during period*	µCi/ml	5.32E-08	5.47E-07	2.49E-07	2.83E-07	

## C. Dissolved and Entrained Gases

1. Total Released	Ci	2.18E-01	1.58E-01	6.49E-01	1.03E+00	1.50E+01
2. Average diluted concentration during period*	µCi/ml	2.65E-09	1.89E-09	6.18E-09	3.57E-09	

## D. Gross Alpha Radioactivity

1. Total Released	Ci	4.20E-03	2.99E-03	4.41E-03	-----	1.50E+01
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\* During periods of actual release.

6. Volume of waste released(Prior to dilution)	liters	7.72E+07	5.86E+07	8.95E+07	2.25E+08	1.00E+01
7. Volume of dilution water used during period	liters	1.26 E+11	9.91 E+10	1.04 E+11	3.28 E+11	1.00E+01

TABLE 2.2-1

MILLSTONE NUCLEAR POWER STATION - UNIT No. 2EFFLUENT AND WASTE DISPOSAL REPORT  
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASESYear 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	1.65E-01	7.57E-02	1.66E-01	4.07E-01	1.50E+01
2. Average diluted concentration during period*	uCi/ml	1.71E-09	2.30E-09	2.31E-10	2.66E-09	
3. Percent of applicable limit**	%				2.60E-01%	

\*\* 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	6.76E+01	1.17E+01	5.70E+01	1.36E+02	1.50E+01
2. Average diluted concentration during period*	uCi/ml	7.02E-07	3.54E-07	7.90E-08	8.89E-07	

## C. Dissolved and Entrained Gases

1. Total Released	Ci	1.59E+00	4.45E-03	7.64E-02	1.67E+00	1.50E+01
2. Average diluted concentration during period*	uCi/ml	1.65E-08	1.35E-10	1.06E-10	1.09E-08	

## D. Gross Alpha Radioactivity

1. Total Released	Ci	≤3.30E-04	≤1.38E-02	≤4.72E-03	≤1.38E-02	1.50E+01
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\* During periods of actual release.

E. Volume of waste released(Prior to dilution)	liters	5.57E+07	7.417E+07	8.73E+07	2.17E+08	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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TABLE 2.2-1

MILLSTONE NUCLEAR POWER STATION - UNIT No. 2  
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 LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

Year 1984

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	1.48E-01	4.30E-01	2.20E-01	7.98E-01	1.50E+01
2. Average diluted concentration during period *	µCi/ml	1.77E-09	4.60E-07	2.25E-09	2.89E-09	
3. Percent of applicable limit **	%				3.13E-01%	

\*\* 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	3.20E+01	7.85E+01	2.61E+01	1.37E+02	1.50E+01
2. Average diluted concentration during period*	µCi/ml	3.83E-07	8.40E-07	2.64E-07	4.96E-07	

C. Dissolved and Entrained Gases

1. Total Released	Ci	9.09E-02	6.41E00	8.43E00	1.49E+01	1.50E+01
2. Average diluted concentration during period*	µCi/ml	1.09E-09	6.86E-08	8.53E-08	5.40E-8	

D. Gross Alpha Radioactivity

1. Total Released	Ci	≤3.58E-03	≤2.45E-03	≤1.04E-03	≤3.58E-03	1.50E+01
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\* During periods of actual release.

E. Volume of waste released(Prior to dilution)	liters	7.26E+07	6.26E+07	2.16E+07	1.57E+08	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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