

TABLE 2A
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

UNIT	QTR <u>3</u>	QTR <u>4</u>	TOTAL ERROR %
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A. Fission and Activation Products

Total Release W/O H-3, Rad Gas, Alpha	Ci	7.87E-03	1.98E-02	±2.50E01
Average Diluted Concentration	µCi/ml	5.70E-13	1.39E-12	

B. Tritium

Total Release	Ci	1.47E02	9.47E01	±2.50E01
Average Diluted Concentration	µCi/ml	1.06E-08	6.67E-09	

Total A & B	µCi/ml	1.06E-08	6.67E-09	
Total Body Dose	mrem	9.04E-04	1.73E-03	
Critical Organ Dose	mrem	1.37E-03	2.77E-03	
	Organ	LIVER	BONE	
% Total Body T.S. Limit	%	3.01E-02	5.77E-02	
% of Critical Organ T.S. Limit	%	1.37E-02	2.77E-02	

C. Dissolved and Entrained Gases

Total Release	Ci	9.69E-03	4.38E-03	±2.50E01
Average Diluted Concentration	µCi/ml	7.02E-13	3.08E-13	

D. Gross Alpha

Total Release	Ci	0.00E00	0.00E00	±2.50E01
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E. Volume of Waste (Prior to Dilution)	Liters	3.66E07	3.06E07	±2.50E01
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F. Volume of Dilution Water	Liters	1.38E13	1.42E13	±2.50E01
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TABLE 2A
EFFLUENT AND WASTE DISPOSAL SEMIANNUAL RPEORT
LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

NUCLIDE	UNIT	CONTINUOUS MODE		BATCH MODE	
		QTR <u>3</u>	QTR <u>4</u>	QTR <u>3</u>	QTR <u>4</u>
Sr89	Ci			1.30E-04	6.30E-03
Sr90	Ci				6.65E-05
Ce134	Ci	8.28E-05		4.78E-06	9.71E-05
Cs137	Ci	7.69E-05		1.04E-05	9.22E-05
I131	Ci	4.18E-04	1.20E-03	3.01E-04	3.97E-05
Co58	Ci	8.33E-06	3.46E-05	5.92E-04	3.05E-03
Co60	Ci	2.47E-05		1.30E-04	7.51E-04
Fe59	Ci				
Zn65	Ci				
Mn54	Ci				1.61E-05
Cr51	Ci				
Zr-Nb95	Ci				
Mo99	Ci				
Ba-La140	Ci				
FROM ADDENDUM	Ci	2.14E-04	0.00E00	5.87E-03	8.20E-03
Total	Ci	8.25E-04	1.23E-03	7.04E-03	1.86E-02

NUCLIDE	UNIT	CONTINUOUS MODE		BATCH MODE	
		QTR <u>3</u>	QTR <u>4</u>	QTR <u>3</u>	QTR <u>4</u>
Xe133	Ci	7.59E-05	3.52E-03	8.30E-03	7.64E-04
Xe133m	Ci			3.04E-05	
Xe131m	Ci			1.28E-03	
Xe135	Ci		8.48E-05	1.87E-06	1.66E-05
Kr85m	Ci				
Kr85	Ci				
Kr88	Ci				
Total	Ci	7.59E-05	3.60E-03	9.61E-03	7.81E-04