

2ND HALF - 1991

LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	Unit	Quarter Third	Quarter Fourth	Est. Total Error, %
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A. FISSION & ACTIVATION PRODUCTS

1. Total release (not including tritium, gases, alpha)	Ci **	2.56E-03	9.67E-03	7.2
2. Average diluted concentration during batch dischargesr period	µCi/ml	1.94E-09	5.35E-09	
3. Percent of applicable limit *	%	9.17E-03	3.74E-02	
4. Maximum diluted concentration during batch discharges	µCi/ml	3.70E-03	1.69E-02	
		1.94E-09	5.35E-09	

**Note: A1, A3 and B1 for both quarters include activity from U-1 RHR Hx leak. All other values are for normal batch release.

B. TRITIUM

1. Total release	Ci **	2.20E-01	4.04E-01	6.1
2. Average diluted concentration during batch discharges	µCi/ml	2.16E-07	7.50E-07	
3. Percent of applicable limit	%	7.19E-03	2.50E-02	

C. DISSOLVED AND ENTRAINED GASES

1. Total release	Ci	<LLD	<LLD	N/A
2. Average diluted concentration during batch discharges	µCi/ml	<LLD	<LLD	
3. Percent of applicable limit	%	Ø	Ø	

D. GROSS ALPHA RADIOACTIVITY

1. Total Release	Ci	<LLD	<LLD	N/A
2. Average concentration released during batch discharges	µCi/ml	<LLD	<LLD	

E. VOLUME OF WASTE RELEASED (prior to dilution)	Liters	1.28E+05	1.33E+05
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F. VOLUME OF DILUTION WATER USED DURING BATCH DISCHARGES	Liters	1.02E+09	5.05E+08
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G. TOTAL VOLUME OF DILUTION WATER DURING PERIOD (QUARTER)	Liters	4.90E+11	6.70E+11
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*WHOLE BODY/ORGAN

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PDR ADDCK 05000254
R PDR

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O.C.O.S.R.

LIQUID EFFLUENTS

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter Third	Quarter Fourth	Quarter Third	Quarter Fourth
Sr-89	C1	<LLD	<LLD	2.20E-05	1.38E-04
Sr-90	C1	<LLD	<LLD	2.47E-06	1.09E-05
Cs-134	C1	<LLD	<LLD	1.11E-05	<LLD
Cs-137	C1	<LLD	<LLD	1.69E-04	7.72E-04
I-131	C1	<LLD	<LLD	<LLD	<LLD
Co-58	C1	<LLD	<LLD	2.43E-05	3.08E-04
Co-60	C1	<LLD	<LLD	2.00E-03	6.92E-03
Fe-59	C1	<LLD	<LLD	<LLD	<LLD
Zn-65	C1	<LLD	<LLD	6.01E-05	3.65E-05
Mn-54	C1	<LLD	<LLD	1.06E-04	7.58E-04
Cr-51	C1	<LLD	<LLD	<LLD	1.87E-04
Zr-95	C1	<LLD	<LLD	<LLD	<LLD
Nb-95	C1	<LLD	<LLD	<LLD	<LLD
Mo-99	C1	<LLD	<LLD	<LLD	<LLD
Ag-110m	C1	<LLD	<LLD	<LLD	<LLD
Ba-104	C1	<LLD	<LLD	<LLD	<LLD
Cs-136	C1	<LLD	<LLD	<LLD	<LLD
La-140	C1	<LLD	<LLD	<LLD	<LLD
Fe-55	C1	<LLD	<LLD	1.70E-04	4.78E-04
Unidentified Na-24	C1	<LLD	<LLD	<LLD	6.26E-05
Total for Period (above)	C1	<LLD	<LLD	2.56E-03	9.67E-03
Xe-133	C1	<LLD	<LLD	<LLD	<LLD
Xe-135	C1	<LLD	<LLD	<LLD	<LLD

Prepared by



Approved by

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Chemistry Supervisor

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