

1ST HALF - 1992

## LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

	Unit	Quarter First	Quarter Second	Est. Total Error, %
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## A. FISSION &amp; ACTIVATION PRODUCTS

1. Total release (not including tritium, gases, alpha)	Ci **	2.32E-02	1.03E-02	5.6
2. Average diluted concentration during batch dischargesr period	µCi/ml	2.79E-09	4.05E-09	
3. Percent of applicable limit *	% **	1.22E-01	4.95E-02	
4. Maximum diluted concentration during batch discharges	µCi/ml	5.60E-02	2.28E-02	
		2.29E-08	4.05E-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**	8.91E+00	5.07E-01	6.1
2. Average diluted concentration during batch discharges	µCi/ml	1.66E-06	4.16E-07	
3. Percent of applicable limit	%	5.53E-02	1.37E-02	

## C. DISSOLVED AND ENTRAINED GASES

1. Total release	Ci	5.63E-04	<LLD	5.6
2. Average diluted concentration during batch discharges	µCi/ml	1.05E-10	<LLD	
3. Percent of applicable limit	%	5.25E-05	0	

## D. GROSS ALPHA RADIOACTIVITY

1. Total Release	Ci	5.38E-05	<LLD	14.9
2. Average concentration released during batch discharges	µCi/ml	1.00E-11	<LLD	

E. VOLUME OF WASTE RELEASED (prior to dilution)	Liters	1.83E+06	1.89E+05
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F. VOLUME OF DILUTION WATER USED DURING BATCH DISCHARGES	Liters	5.38E+09	1.22E+09
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G. TOTAL VOLUME OF DILUTION WATER DURING PERIOD (QUARTER)	Liters	1.69E+11	4.40E+11
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\*WHOLE BODY/ORGAN

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PDR ADCK 05000254  
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O.C.O.S.R.

## LIQUID EFFLUENTS

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter	Quarter	Quarter First	Quarter Second
Sr-89	C1	<LLD	<LLD	2.86E-04	2.40E-04
Sr-90	C1	<LLD	<LLD	1.95E-05	7.20E-06
Cs-134	C1	<LLD	<LLD	1.70E-05	<LLD
Cs-137	C1	<LLD	<LLD	2.51E-03	1.02E-03
I-131	C1	<LLD	<LLD	<LLD	<LLD
Co-58	C1	<LLD	<LLD	5.08E-04	1.11E-03
Co-60	C1	<LLD	<LLD	9.91E-03	5.98E-03
Fe-59	C1	<LLD	<LLD	<LLD	<LLD
Zn-65	C1	<LLD	<LLD	2.36E-04	2.30E-04
Mn-54	C1	<LLD	<LLD	1.43E-03	1.32E-03
Cr-51	C1	<LLD	<LLD	6.77E-03	<LLD
Zr-95	C1	<LLD	<LLD	<LLD	<LLD
Nb-95	C1	<LLD	<LLD	3.38E-05	<LLD
Mo-99	C1	<LLD	<LLD	3.24E-05	<LLD
Ag-110m	C1	<LLD	<LLD	2.47E-05	<LLD
Ba-104	C1	<LLD	<LLD	<LLD	<LLD
Na-24	C1	<LLD	<LLD	<LLD	2.25E-05
Cs-136	C1	<LLD	<LLD	<LLD	<LLD
Sb-124	C1	<LLD	<LLD	8.74E-05	<LLD
La-140	C1	<LLD	<LLD	<LLD	<LLD
Sb-125	C1	<LLD	<LLD	8.56E-05	<LLD
Fe-55	C1	<LLD	<LLD	1.02E-03	4.14E-04
As-76	C1	<LLD	<LLD	1.65E-04	<LLD
Unidentified / Tc-99m	C1	<LLD	<LLD	3.75E-05	<LLD
Total for Period (above)	C1	<LLD	<LLD	2.32E-02	1.03E-02
Xe-133	C1	<LLD	<LLD	2.74E-04	<LLD
Xe-135	C1	<LLD	<LLD	2.89E-04	<LLD

Prepared by



Approved by

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