

TABLE 2A

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1983)
LIQUID EFFLUENTS-SUMMATION OF ALL RELEASESCORRECTED

Unit	Quarter 1st	Quarter 2nd	Est. Total Error, %
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A. Fission and activation products

1. Total release (not including tritium, gases, alpha)	Ci	2.54E-2	
2. Average diluted concentration during period	µCi/ml		
3. Percent of applicable limit	%		

B. Tritium

1. Total release	Ci		
2. Average diluted concentration during period	µCi/ml		
3. Percent of applicable limit	%		

C. Dissolved and entrained gases

1. Total release	Ci		
2. Average diluted concentration during period	µCi/ml		
3. Percent of applicable limit	%		

D. Gross alpha radioactivity

1. Total Release	Ci		
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E. Volume of waste released (prior to dilution)	liters	3.01E 6	
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F. Volume of dilution water used during period.	liters		
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Note: All less than values (<) are in µCi/ml.

*% Tech. Spec. Limits: Listed on Dose Summary Table.

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT (1983)
LIQUID EFFLUENTSCORRECTED

Nuclides Released	Unit	Continuous Mode		Batch Mode	
		Quarter 1st	Quarter 2nd	Quarter 1st	Quarter 2nd
strontium-89	Ci				
strontium-90	Ci				
cesium-134	Ci				
cesium-137	Ci				
iodine-131	Ci				

cobalt-58	Ci				
cobalt-60	Ci				
iron-59	Ci				
zinc-65	Ci				
manganese-54	Ci				
chromium-51	Ci				

zirconium-niobium-95	Ci				
molybdenum-99	Ci				
technetium-99m	Ci				
barium-lanthanum-140	Ci				
cerium-141	Ci				

Other (specify)	Ci				
Iron-55	Ci				
Antimony-125	Ci			3.38E-4	
Phosphorus-32	Ci				
Silver - 110m				9.42E-5	
Total for period (above)	Ci			2.54E-2	

xenon-133	Ci				
xenon-135	Ci				

UNIT 1
Quarter Dose Report

CORRECTED

SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR UNIT 1 FROM
January 1, 1983 through March 31, 1983

Effluent	Applicable Organ	Estimated Dose (mrem)	Age Group	Location Dist Dir (m) (toward)	% of Applicable Limit		10CFR50 App. I Limits (mrem)	
					Quarterly	Annual	Quarterly	Annual
Liquid	Total Body	8.4E-2	Adult	Receptor 1	5.6	2.8	1.5	3.0
Liquid	Liver	1.27E-1	Teen	Receptor 1	2.5	1.3	5.0	10.0
Noble Gas	Air Dose (gamma-mrad)							
Noble Gas	Air Dose (beta-mrad)							
Noble Gas	Total Body							
Noble Gas	Skin							
Iodine & Particulates	Skin							

SUMMARY OF MAXIMUM POPULATION DOSES FOR UNIT 1 FROM
January 1, 1983 through March 31, 1983

Effluent	Applicable Organ	Estimated Population Dose (person-rem)
Liquid	Total Body	3.1E-2
Liquid	Liver	6.8E-2

UNIT 1
Quarter Dose Report

CORRECTED

SUMMARY OF MAXIMUM INDIVIDUAL DOSES FOR UNIT 1 FROM
April 1, 1983 through June 30, 1983

Effluent	Applicable Organ	Estimated Dose (mrem)	Age Group	Location Dist (m) Dir (toward)	% of Applicable Limit		10CFR50 App. I Limits (mrem)	
					Quarterly	Annual	Quarterly	Annual
Liquid	Total Body	1.45E-1	Adult	Receptor 1	9.7	4.8	1.5	3.0
Liquid	Liver	2.2E-1	Teen	Receptor 1	4.4	2.2	5.0	10.0
Noble Gas	Air Dose (gamma-mrad)							
Noble Gas	Air Dose (beta-mrad)							
Noble Gas	Total Body							
Noble Gas	Skin							
Iodine & Particulates								

SUMMARY OF MAXIMUM POPULATION DOSES FOR UNIT 1 FROM
April 1, 1983 through June 30, 1983

Effluent	Applicable Organ	Estimated Population Dose (person-rem)
Liquid	Total Body	5.7E-2
Liquid	Bone	1.4E-1