

ID/13B

QCP 100-S25
Revision 1
May 1983

EFFLUENT AND WASTE DISPOSAL
SEMI-ANNUAL REPORT JULY - DEC., 1983
GASEOUS EFFLUENTS - SUMMATION OF ALL RELEASES

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

1. Total Release	Ci	3.58E03	2.20E03	
2. Average release rate for period	μCi/sec	4.51E02	2.77E02	
3. a. Percent of Tech Spec limit Chimney	%	9.28E-02	5.56E-02	
b. Percent of Tech Spec limit Stack	%	3.78E-01	2.14E-01	

B. IODINES

1. Total Iodine-131	Ci	5.77E-02	3.41E-02	
2. Average release rate for period	μCi/sec	7.26E-03	4.28E-03	
3. a. Percent of Tech Spec limit station.	%	4.07E-01	1.84E-01	

C. PARTICULATES

1. Particulates with half-lives > 8 days	Ci	3.11E-02	8.15E-03	
2. Average release rate for period	μCi/sec	3.91E-03	1.03E-03	
3. Gross alpha radioactivity		5.8E-07	1.40E-06	

D. TRITIUM

1. Total Release	Ci	6.61E00	4.88E00	
2. Average release rate for period	μCi/sec	8.32E-01	6.14E-01	

APPROVED

JUN 03 1983

Q.C.O.S.H.

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PDR ADOCK 05000254
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LIQUID EFFLUENTS - SUMMATION OF ALL RELEASES

JULY - DECEMBER, 1983

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

1. Total release (not including tritium, gases, alpha)	Ci	2.40E-02	2.27E-02	
2. Average diluted concentration during period	μCi/ml	1.67E-08	9.1E-08	
3. Percent of applicable limit	%	4.40E-01	1.30E00	
4. Maximum diluted concentration during period	μCi/ml	4.4E-05	1.63E-07	

B. TRITIUM

1. Total release	Ci	8.08E-01	8.35E-01	
2. Average diluted concentration during period	μCi/ml	5.65E-07	3.35E-06	
3. Percent of applicable limit	%	1.88E-02	1.12E-01	

C. DISSOLVED AND ENTRAINED GASES

1. Total release	Ci	1.40E-02	1.67E-03	
2. Average diluted concentration during period	μCi/ml	9.7E-09	6.71E-09	
3. Percent of applicable limit	%	3.24E-04	2.24E-04	

D. GROSS ALPHA RADIOACTIVITY

1. Total release	Ci	5.90E-07	5.75E-06	
2. Average concentration released	μCi/ml	4.10E-13	2.31E-11	

E. VOLUME OF WASTE RELEASED (prior to dilution)	Liters	6.72E-05	9.74E-05	
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F. VOLUME OF DILUTION WATER USED DURING PERIOD	Liters	1.44E-09	2.49E-08	
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 JUN 03 1983
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