

TABLE 1A
SEMIANNUAL SUMMATION OF GASEOUS RELEASES
ALL AIRBORNE EFFLUENTS
QUARTERS 3 AND 4, 1990

TYPE OF EFFLUENT	UNITS	THIRD QUARTER	FOURTH QUARTER	EST TOTAL ERROR %
A. FISSION AND ACTIVATION GASES				
1. TOTAL RELEASE	CURIES	5.61E+02	1.09E+01	20
2. AVERAGE RELEASE RATE FOR PERIOD	μCi/SEC	7.05E+01	1.37E+00	
3. PERCENT OF TECH SPEC LIMIT	%	N/A	N/A	
B. RADIOIODINES				
1. TOTAL IODINE-131	CURIES	1.35E-05	1.16E-04	23
2. AVERAGE RELEASE RATE FOR PERIOD	μCi/SEC	1.70E-06	1.46E-05	
3. PERCENT OF TECH SPEC LIMIT	%	N/A	N/A	
C. PARTICULATES				
1. PARTICULATE (HALF-LIVES > 8 DAYS)	CURIES	1.23E-07	2.39E-06	30
2. AVERAGE RELEASE RATE FOR PERIOD	μCi/SEC	1.55E-08	3.00E-07	
3. PERCENT OF TECH SPEC LIMIT	%	N/A	N/A	
4. GROSS ALPHA RADIOACTIVITY	CURIES	7.46E-07	1.18E-06	
D. TRITIUM				
1. TOTAL RELEASE	CURIES	7.88E+00	1.53E+01	14
2. AVERAGE RELEASE RATE FOR PERIOD	μCi/SEC	9.91E-01	1.93E+00	
3. PERCENT OF TECH SPEC LIMIT	%	N/A	N/A	

TABLE 1B
SEMIANNUAL AIRBORNE CONTINUOUS AND BATCH RELEASES
GROUND LEVEL RELEASES
FISSION GASES, IODINES, AND PARTICULATES

		QUARTERS 3 AND 4, 1990			
NUCLIDE	UNIT	CONTINUOUS RELEASES		BATCH RELEASES	
		THIRD QUARTER	FOURTH QUARTER	THIRD QUARTER	FOURTH QUARTER
1. FISSION GASES					
KR-85M	CURIES				
KR-85	CURIES	8.60E-01	4.89E-02		
KR-87	CURIES	0.00E+00	0.00E+00	1.53E-02	0.00E+00
KR-88	CURIES	0.00E+00	0.00E+00	3.86E+00	4.01E+00
XE-131M	CURIES	1.20E-01	0.00E+00	6.95E-05	0.00E+00
XE-133	CURIES	0.00E+00	0.00E+00	0.00E+00	0.00E+00
XE-133M	CURIES	9.05E+01	1.76E+00	3.97E+00	1.65E-01
XE-135	CURIES	0.00E+00	0.00E+00	4.76E+02	3.57E+00
AR-41	CURIES	1.76E+01	1.32E+00	4.63E+00	0.00E+00
		0.00E+00	0.00E+00	2.51E+00	8.44E-04
				6.51E-01	2.68E-02
TOTAL FOR PERIOD					
	CURIES	1.09E+02	3.13E+00	4.52E+02	7.78E+00
2. IODINES					
I-131	CURIES				
I-132	CURIES	5.16E-06	9.98E-05	8.36E-06	1.59E-05
I-133	CURIES	0.00E+00	0.00E+00	7.63E-07	0.00E+00
		3.68E-08	0.00E+00	5.24E-07	0.00E+00
TOTAL FOR PERIOD					
	CURIES	5.20E-06	9.98E-05	9.65E-06	1.59E-05
3. PARTICULATES					
CO-57	CURIES				
CO-58	CURIES	0.00E+00	0.00E+00	0.00E+00	2.91E-10
CO-60	CURIES	1.18E-07	5.26E-07	0.00E+00	1.84E-06
SR-90	CURIES	0.00E+00	0.00E+00	0.00E+00	1.27E-08
G ALPHA	CURIES	5.32E-09	1.15E-08	0.00E+00	0.00E+00
		4.87E-07	2.01E-07	2.59E-07	9.83E-07
TOTAL FOR PERIOD					
	CURIES	6.10E-07	7.39E-07	2.59E-07	2.83E-06
4. TRITIUM					
H-3	CURIES				
		5.48E+00	6.49E+00	2.40E+00	8.82E+00