

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 %
<b>A. FISSION AND ACTIVATION GASES</b>				
1. TOTAL RELEASE	CURIES	5.61E+02	1.09E+01	20
2. AVERAGE RELEASE RATE FOR PERIOD	$\mu\text{Ci/SEC}$	7.05E+01	1.37E+00	
3. PERCENT OF TECH SPEC LIMIT	%	N/A	N/A	
<b>B. RADIOIODINES</b>				
1. TOTAL IODINE-131	CURIES	1.35E-05	1.16E-04	23
2. AVERAGE RELEASE RATE FOR PERIOD	$\mu\text{Ci/SEC}$	1.70E-06	1.46E-05	
3. PERCENT OF TECH SPEC LIMIT	%	N/A	N/A	
<b>C. PARTICULATES</b>				
1. PARTICULATE (HALF-LIVES > 8 DAYS)	CURIES	1.23E-07	2.39E-06	30
2. AVERAGE RELEASE RATE FOR PERIOD	$\mu\text{Ci/SEC}$	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	
<b>D. TRITIUM</b>				
1. TOTAL RELEASE	CURIES	7.88E+00	1.53E+01	14
2. AVERAGE RELEASE RATE FOR PERIOD	$\mu\text{Ci/SEC}$	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	8.60E-01	4.89E-02			
KR-85	CURIES	0.00E+00	0.00E+00	1.53E-02	0.00E+00	
KR-87	CURIES	0.00E+00	0.00E+00	3.86E+00	4.01E+00	
KR-88	CURIES	1.20E-01	0.00E+00	6.95E-05	0.00E+00	
XE-131M	CURIES	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
XE-133	CURIES	9.05E+01	1.76E+00	3.97E+00	1.65E-01	
XE-133M	CURIES	0.00E+00	0.00E+00	4.36E+02	3.57E+00	
XE-135	CURIES	1.76E+01	1.32E+00	4.63E+00	0.00E+00	
AR-41	CURIES	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	5.16E-06	9.98E-05			
I-132	CURIES	0.00E+00	0.00E+00	8.36E-06	1.59E-05	
I-133	CURIES	3.68E-08	0.00E+00	7.63E-07	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	0.00E+00	0.00E+00			
CO-58	CURIES	1.18E-07	5.26E-07	0.00E+00	2.91E-10	
CO-60	CURIES	0.00E+00	0.00E+00	0.00E+00	1.84E-06	
SR-90	CURIES	5.32E-09	1.15E-08	0.00E+00	1.27E-08	
G ALPHA	CURIES	4.87E-07	2.01E-07	0.00E+00	0.00E+00	
				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	