Input Data for : Base Case - Average					Products of Combustion				Metals and Metallic Compounds								PAHs	Volatile Organic Compounds - VOCs													**Odour**
	Temperature °K	**Stack Diameter m**	**Discharge Velocity m/s**	**Stack Flow - Dry Dry Nm3/hr**	**NOx g/sec**	**CO g/sec**	**SO2 g/sec**	**Dust g/sec**	**Arsenic g/sec**	**Selenium g/sec**	**Manganese g/sec**	**Cadmium g/sec**	**Chromium (vi) g/sec**	**Nickel g/sec**	**Mercury g/sec**	**Ammonia g/sec**	**BaP Equivalents g/sec**	**Acetone**	**Acetaldeyhde**	**Formaldehyde**	**2-Butanone**	**Benzene**	**Toluene**	**Xylenes**	**Acrolein**	**Ethylbenzene**	**Methylene Chloride**	**Styrene**	**1,2,4 Trimethylbenzene**	**1,3,5 Trimethylbenzene**	**Vinyl chloride**	OU/sec
Sum																															
% Change Relative to BASE AVERAGE																															
Combustion Equipment Point Sources:																															
Liquor Burning	338	0.93	27.9	50989	1.24E+00	7.65E+00	1.04E-01	7.01E-02	1.42E-04	8.50E-04	7.08E-05		3.17E-07		3.80E-04		2.61E-06	4.87E-02	7.37E-03	2.83E-03	5.67E-03	3.29E-02	1.70E-03	7.15E-04		3.97E-04		5.24E-04	2.27E-04	5.67E-05		27022
Calciner 1	432	1.90	21.6	76304	2.16E+00	5.11E+00	3.22E-01	5.94E-01					1.82E-06		7.25E-05		5.09E-07	3.48E-02	5.68E-02	5.04E-02	4.95E-03	4.98E-03	1.91E-03	6.89E-04	8.48E-03	2.12E-04	9.33E-03	3.18E-04		5.30E-05	5.30E-05	57937
Calciner 2	433	1.90	20.8	72658	1.25E+00	8.89E+00	4.05E-01	4.10E-01					1.82E-06		7.25E-05		4.84E-07	3.75E-02	5.21E-02	4.48E-02	5.38E-03	4.94E-03	1.82E-03	6.56E-04	8.07E-03	2.02E-04	8.88E-03	3.03E-04		5.05E-05	5.05E-05	54469
Calciner 3	469	2.15	19.6	85575	3.60E+00	1.27E+00	2.34E-01	4.19E-01					1.82E-06		7.25E-05		5.71E-07	3.38E-02	7.27E-02	3.34E-01	1.66E-02	2.38E-03	2.14E-03	7.73E-04	9.51E-03	2.38E-04	1.05E-02	3.57E-04		5.94E-05	5.94E-05	110285
Calciner 4	430	2.35	20.1	108630	2.43E+00	2.29E+00	1.24E-01	4.06E-01					1.82E-06		7.25E-05		7.24E-07	6.52E-02	9.29E-02	8.87E-02	1.01E-02	7.54E-03	2.72E-03	9.81E-04	1.21E-02	3.02E-04	1.33E-02	4.53E-04		7.54E-05	7.54E-05	79842
Calciner 5																															
Boiler 1	374	2.40	14.5	137540	7.61E+00	2.97E-01	1.96E-01		2.20E-03		1.02E-03		4.44E-06					2.80E-02	7.64E-03	7.64E-03	7.64E-03	4.78E-03	3.82E-03				1.53E-02					9017
Boiler 2	397	2.00	16.2	103446	7.96E+00	2.47E-01	2.12E-01		9.84E-05	3.54E-05	5.81E-04		4.44E-06	1.01E-04		1.19E-01		2.44E-02	8.62E-03	5.75E-03	5.75E-03	3.59E-03	2.87E-03				1.15E-02					9762
Boiler 3	404	2.00	13.7	86810	2.64E+00	1.20E-01	1.79E-01		8.26E-05	2.97E-05	4.88E-04		4.44E-06	8.44E-05		1.00E-01			4.82E-03	4.82E-03	4.82E-03	3.01E-03	2.41E-03				9.65E-03					8301
Boiler 2/3 (Non-condensables)									2.97E-06	2.76E-05	6.54E-04	2.23E-07		1.15E-04	4.19E-03																	
Gas Turbine 1	371	3.03	22.4	392754	3.00E+00	2.99E+00	4.27E-01																									
Gas Turbine 2																															
Non-Combustion Equipment Point Sources:																															
OBF Vac Pump Stack	333	0.90	10.5	10744																											
Calciner 1,2,3 Vac Pump, 50B and Dorrco	345	1.10	7.5	14486													2.41E-06	7.50E-02	1.39E-02	1.01E-03	4.36E-03	4.69E-04	4.02E-02	9.26E-03			4.02E-02					26687
Calciner 4 Vac Pump and Dorrco (combined emission)	345	0.91	7.5	14486													2.41E-06	7.50E-02	1.39E-02	1.01E-03	4.36E-03	4.69E-04	4.02E-02	9.26E-03			4.02E-02					26687
45K Cooling Tower 2 and 3	323	8.00	15.3	3286308														2.89E-01										3.65E-03				251476
45K Cooling Tower 1	323			1134649														9.99E-02										1.26E-03				172513
50 Cooling Tower 1 and 2	322			147938														1.30E-02										1.64E-04				24064
Grouped Sources:																															
Milling Vents	343	0.44	2.3	2067						5.74E-06	1.15E-05					3.56E-02	6.89E-08	1.49E-02	8.04E-03	1.15E-04	9.19E-04	7.75E-05	1.03E-04									5567
25A Tank Vents	371	0.50	12.9	595					2.08E-05	7.27E-05	6.85E-03			2.15E-04	2.90E-04	6.35E-02	8.10E-07	1.62E-01	2.00E-02	3.92E-04	5.29E-03		3.19E-03	3.55E-04		1.16E-04	3.14E-03	1.65E-05	4.79E-04	1.49E-04		328704
B26 Stacks	333	0.60	0.0	118																											
35F & D Vents	371	0.26	6.9	1397																											47671
35A Vents (Non cons)	370	0.60	1.3	260													8.96E-06	8.61E-02	1.28E-02	1.49E-04	2.97E-02		6.79E-04									81250
35C Washer Area Vents - Banks 1-3	370	0.26	15.0	817																											6794
35C Washer Area Vents - Banks 4-6	370	0.26	15.0	1225																											
35J Tank Vents (Non cons)	357	0.49	1.7	2751														4.08E-02	1.19E-02	1.38E-04	6.21E-03										28267
Grouped Sources to Water (ultimately to air):																															
Cooling Lake (excess in water)															1.71E-03																
Bldg 30 Condensate to Lower Dam															3.81E-05																
Total - g/s					3.19E+01	2.89E+01	2.20E+00	1.90E+00	2.55E-03	1.02E-03	9.68E-03	2.23E-07	2.09E-05	5.15E-04	6.90E-03	3.18E-01	1.96E-05	1.13E+00	3.84E-01	5.42E-01	1.12E-01	6.51E-02	1.04E-01	2.27E-02	3.81E-02	1.47E-03	1.62E-01	7.05E-03	7.06E-04	4.44E-04	2.38E-04	1.36E+06
Total - kg/year					1.01E+06	9.10E+05	6.95E+04	5.99E+04	8.04E+01	3.22E+01	3.05E+02	7.02E-03	6.60E-01	1.63E+01	2.18E+02	1.00E+04	6.17E-01	3.56E+04	1.21E+04	1.71E+04	3.52E+03	2.05E+03	3.27E+03	7.15E+02	1.20E+03	4.62E+01	5.11E+03	2.22E+02	2.23E+01	1.40E+01	7.52E+00	

Input Data for : Base Case - Peak	Temperature	Stack Diameter	Discharge Velocity	Stack Flow - Dry	NOx	CO	SO2	Dust	Arsenic	Selenium	Manganese	Cadmium	Chromium (vi)	Nickel	Mercury	Ammonia	BaP Equivalents	Acetone	Acetaldeyhde	Formaldehyde	2-Butanone	Benzene	Toluene	Xylenes	Acrolein	Ethylbenzene	Methylene Chloride	Styrene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Vinyl chloride	Odour
	°K	m	m/s	Dry Nm3/hr	g/sec	g/sec	g/sec	g/sec	g/sec	g/sec	g/sec	g/sec	g/sec	g/sec	g/sec	g/sec	g/sec															OU/sec
Sum																																
% Change Relative to BASE AVERAGE																																
Combustion Equipment Point Sources:																																
Liquor Burning	338	0.93	28.7	52446	4.20E+00	2.11E+01	4.33E-01	5.33E-01	1.46E-04	8.74E-04	7.28E-05		3.17E-07		3.80E-04		2.68E-06	1.39E-01	6.37E-02	2.83E-03	1.27E-02	5.24E-02	4.25E-03	9.49E-04		4.08E-04		5.39E-04	2.33E-04	5.83E-05		74051
Calciner 1	432	1.90	24.7	87305	3.18E+00	1.11E+01	9.94E-01	3.42E+00					1.82E-06		7.25E-05		5.82E-07	9.11E-02	8.90E-02	9.96E-02	8.48E-03	8.48E-03	2.12E-03	1.06E-03	9.70E-03	2.43E-04	1.07E-02	3.64E-04		6.06E-05	6.06E-05	107524
Calciner 2	433	1.90	24.3	84672	4.47E+00	2.42E+01	9.17E-01	2.40E+00					1.82E-06		7.25E-05		5.64E-07	8.68E-02	8.68E-02	9.89E-02	8.07E-03	8.07E-03	2.02E-03	1.01E-03	9.41E-03	2.35E-04	1.03E-02	3.53E-04		5.88E-05	5.88E-05	103169
Calciner 3	469	2.15	23.8	103799	6.93E+00	3.69E+00	1.24E+00	1.24E+00					1.82E-06		7.25E-05		6.92E-07	7.61E-02	1.09E-01	6.42E-01	4.04E-02	2.38E-03	2.38E-03	1.19E-03	1.15E-02	2.88E-04	1.27E-02	4.32E-04		7.21E-05	7.21E-05	205057
Calciner 4	430	2.35	23.8	128326	4.28E+00	4.28E+00	3.32E-01	7.97E-01					1.82E-06		7.25E-05		7.97E-07	1.06E-01	1.30E-01	1.30E-01	1.81E-02	9.05E-03	3.02E-03	1.51E-03	1.33E-02	3.32E-04	1.46E-02	4.98E-04		8.30E-05	8.30E-05	115454
Calciner 5																																
Boiler 1	374	2.40	20.0	189149	1.77E+01	2.31E+00	9.46E-01		3.03E-03		1.41E-03		4.44E-06					3.82E-02	7.64E-03	7.64E-03	7.64E-03	5.73E-03	3.82E-03				2.10E-02					11051
Boiler 2	397	2.00	25.0	159681	1.65E+01	2.66E+00	1.38E+00		1.52E-04	5.47E-05	8.97E-04		4.44E-06	1.55E-04		1.84E-01		2.59E-02	1.15E-02	5.75E-03	5.75E-03	4.31E-03	2.87E-03				1.77E-02					11523
Boiler 3	404	2.00	20.6	131003	4.37E+00	8.37E-01	4.73E-01		1.25E-04	4.49E-05	7.36E-04		4.44E-06	1.27E-04		1.51E-01		2.65E-02	4.82E-03	4.82E-03	4.82E-03	3.62E-03	2.41E-03				1.46E-02					17305
Boiler 2/3 (Non-condensables)									2.97E-06	2.76E-05	6.54E-04	2.23E-07		1.15E-04	4.19E-03																	
Gas Turbine 1	371	3.03	30.7	541791	1.36E+01	7.83E+00	2.56E+00																									
Gas Turbine 2																																
Non-Combustion Equipment Point Sources:																																
OBF Vac Pump Stack	333	0.90	10.5	13190																												
Calciner 1,2,3 Vac Pump, 50B and Dorrco	345	1.10	12.6	24300													4.05E-06	2.29E-01	4.02E-02	3.22E-03	7.65E-03	6.04E-04	4.02E-02	9.26E-03			6.75E-02					57566
Calciner 4 Vac Pump and Dorrco (combined emission)	345	0.91	12.6	24300													4.05E-06	2.29E-01	4.02E-02	3.22E-03	7.65E-03	6.04E-04	4.02E-02	9.26E-03			6.75E-02					57566
45K Cooling Tower 2 and 3	323	8.00	15.3	3286308														9.17E-01	1.15E-01	1.15E-01	1.15E-01	5.73E-02	5.73E-02					3.65E-03			1183371
45K Cooling Tower 1	323			1134649														3.16E-01	3.96E-02	3.96E-02	3.96E-02	1.98E-02	1.98E-02					1.26E-03			811793
50 Cooling Tower 1 and 2	322			147938														8.79E-02	1.10E-02				2.20E-04					1.64E-04			181199
Grouped Sources:																																
Milling Vents	343	0.44	2.3	2067						5.74E-06	1.15E-05					3.56E-02	6.89E-08	1.49E-02	8.04E-03	1.15E-04	9.19E-04	7.75E-05	1.03E-04									5567
25A Tank Vents	371	0.50	12.9	595					4.12E-05	1.44E-04	1.35E-02			4.25E-04	2.90E-04	1.25E-01	1.60E-06	7.01E-02	2.00E-02	4.88E-04	5.29E-03	3.31E-04	3.19E-03	4.79E-04		2.29E-04	6.21E-03	3.27E-05		9.47E-04	2.94E-04		181464
B26 Stacks	333	0.60	9.0	138																												
35F & D Vents	371	0.26	6.9	1397																												47671
35A Vents (Non cons)	370	0.60	1.8	354													1.22E-05	1.44E-01	1.61E-02	1.73E-04	2.48E-02	3.25E-05	6.79E-04									116777
35C Washer Area Vents - Banks 1-3	370	0.26	15.0	817																												6794
35C Washer Area Vents - Banks 4-6	370	0.26	15.0	1225																												
35J Tank Vents (Non cons)	357	0.49	2.0	3276														4.68E-02	1.38E-02	1.38E-04	7.57E-03	2.06E-04										32743
Grouped Sources to Water (ultimately to air):																																
Cooling Lake (excess in water)															1.71E-03																	
Bldg 30 Condensate to Lower Dam															3.81E-05																	
Total - g/s					7.52E+01	7.80E+01	9.27E+00	8.39E+00	3.49E-03	1.15E-03	1.73E-02	2.23E-07	2.09E-05	8.23E-04	6.90E-03	4.96E-01	2.73E-05	2.64E+00	8.06E-01	1.15E+00	3.14E-01	1.73E-01	1.85E-01	2.47E-02	4.39E-02	1.73E-03	2.43E-01	7.30E-03		1.18E-03	6.27E-04	2.75E-04	3.33E+06
Total - kg/year					2.37E+06	2.46E+06	2.92E+05	2.65E+05	1.10E+02	3.63E+01	5.46E+02	7.02E-03	6.60E-01	2.60E+01	2.18E+02	1.56E+04	8.60E-01	8.34E+04	2.54E+04	3.63E+04	9.90E+03	5.45E+03	5.82E+03	7.79E+02	1.39E+03	5.47E+01	7.66E+03	2.30E+02		3.72E+01	1.98E+01	8.66E+00	

Input Data for : Case 6 - Average	Temperature *K	Stack Diameter m	Discharge Velocity m/s	Stack Flow - Dry Dry Nm3/hr	NOx g/sec	CO g/sec	SO2 g/sec	Dust g/sec	Arsenic g/sec	Selenium g/sec	Manganese g/sec	Cadmium g/sec	Chromium (vi) g/sec	Nickel g/sec	Mercury g/sec	Ammonia g/sec	BaP Equivalents g/sec	Acetone	Acetaldeyhde	Formaldehyde	2-Butanone	Benzene	Toluene	Xylenes	Acrolein	Ethylbenzene	Methylene Chloride	Styrene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Vinyl chloride	Odour OU/sec
Sum																																
% Change Relative to BASE AVERAGE																																
Combustion Equipment Point Sources:																																
Oxalate Kiln Stack	363	1.30	19.6	70355	4.81E-01	7.34E+00	3.83E-01	1.12E-01	9.14E-06	5.49E-05	4.57E-06		2.97E-08				9.36E-08								6.20E-05	2.56E-05		3.38E-05	1.46E-05	3.66E-06		5
Liquor Burning	338	0.93	27.9	50989	1.24E+00	7.65E+00	1.04E-01	7.01E-02	1.42E-04	8.50E-04	7.08E-05		2.67E-07		3.20E-04		2.61E-06	1.66E-02	3.15E-03	5.44E-04	1.22E-03	6.99E-03	5.71E-04	1.37E-04	0.00E+00	3.97E-04		5.24E-04	2.27E-04	5.67E-05		8123
Calciner 1	432	1.90	23.7	76812	2.37E+00	5.61E+00	3.54E-01	4.51E-01					1.50E-06		9.50E-05		5.12E-07	6.79E-02	6.49E-02	5.91E-02	5.87E-03	5.12E-03	2.03E-03	6.93E-04	8.53E-03	2.13E-04	9.39E-03	3.20E-04		5.33E-05	5.33E-05	75088
Calciner 2	433	1.90	24.0	76812	1.44E+00	1.02E+01	4.67E-01	3.31E-01					1.50E-06		9.50E-05		5.12E-07	8.01E-02	6.40E-02	5.79E-02	6.40E-03	5.26E-03	2.03E-03	6.93E-04	8.53E-03	2.13E-04	9.39E-03	3.20E-04		5.33E-05	5.33E-05	77657
Calciner 3	469	2.15	26.9	120377	4.92E+00	1.74E+00	3.20E-01	4.50E-01					1.68E-06		9.50E-05		8.03E-07	4.51E-02	4.41E-02	1.90E-01	8.56E-03	1.34E-03	1.27E-03	4.35E-04	1.34E-02	3.34E-04	1.47E-02	5.02E-04		8.36E-05	8.36E-05	72947
Calciner 4	430	2.35	23.8	131841	2.86E+00	2.70E+00	1.47E-01	4.93E-01					1.68E-06		9.50E-05		8.79E-07	1.24E-01	1.16E-01	1.09E-01	1.28E-02	7.78E-03	3.48E-03	1.19E-03	1.46E-02	3.66E-04	1.61E-02	5.49E-04		9.16E-05	9.16E-05	109874
Calciner 5	430	2.35	23.8	131841	2.86E+00	2.70E+00	1.47E-01	7.32E-02					1.68E-06		9.50E-05		8.79E-07	1.24E-01	1.16E-01	1.09E-01	1.28E-02	7.78E-03	3.48E-03	1.19E-03	1.46E-02	3.66E-04	1.61E-02	5.49E-04		9.16E-05	9.16E-05	109874
Calciner 6	430	2.35	23.8	131841	2.86E+00	2.70E+00	1.47E-01	7.32E-02					1.68E-06		9.50E-05		8.79E-07	1.24E-01	1.16E-01	1.09E-01	1.28E-02	7.78E-03	3.48E-03	1.19E-03	1.46E-02	3.66E-04	1.61E-02	5.49E-04		9.16E-05	9.16E-05	109874
Boiler 1	374	2.40	14.1	132858	4.04E+00	2.87E-01	1.89E-01		2.13E-03		9.87E-04		4.10E-06					2.95E-02	7.38E-03	7.38E-03	7.38E-03	4.61E-03	1.85E-03	3.69E-11			1.48E-02						8784
Boiler 2	397	2.00	15.7	100677	3.07E+00	2.41E-01	2.06E-01		9.58E-05	3.45E-05	5.66E-04		4.26E-06			1.16E-01		3.73E-02	8.39E-03	5.59E-03	5.59E-03	3.50E-03	1.40E-03	2.80E-11			1.12E-02						11394
Boiler 3	404	2.00	13.5	85527	2.60E+00	1.19E-01	1.76E-01		8.14E-05	2.93E-05	4.80E-04		4.26E-06			9.86E-02		2.76E-02	4.75E-03	4.75E-03	4.75E-03	2.97E-03	1.19E-03	2.38E-11			9.50E-03						15606
Boiler 2/3 (Non-condensables)														2.31E-04	1.78E-03																	
Gas Turbine 1	371	3.03	22.4	392754	3.00E+00	2.99E+00	4.27E-01																									
Gas Turbine 2	444	6.20	18.0	1081672	1.54E+01	3.76E+00	2.61E-01												5.83E-03	2.01E-02		7.84E-04	2.67E-03	1.69E-03								
Gas Turbine 3	444	6.20	18.0	1081672	1.54E+01	3.76E+00	2.61E-01												5.83E-03	2.01E-02		7.84E-04	2.67E-03	1.69E-03								
Non-Combustion Equipment Point Sources:																																
OBF Vac Pump Stack	333	0.90	10.5	10744																												
Calciner 1,2,3 Vac Pump, 50B and Dorrco	345	1.10	7.5	14486													3.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00			5.03E-06					
Calciner 4 Vac Pump and Dorrco (combined emission)	345	0.91	7.5	7243													3.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00			5.03E-06					
45K Cooling Tower 2 and 3	323	8.00	15.3	2062390														3.55E-01	4.01E-02	4.01E-02	4.01E-02	2.01E-02	2.01E-02	0.00E+00				2.29E-03				157819
45K Cooling Tower 1	323		n/a															0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00								
50 Cooling Tower 1 and 2	322	5.00	3.7	197840														4.87E-02	5.50E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00				9.70E-05				32181
Grouped Sources:																																
Milling Vents	343	0.44	2.3	2756						7.20E-06	1.44E-05					4.46E-02	8.64E-08	1.35E-02	1.07E-02	1.53E-04	1.22E-03	1.03E-04	1.37E-04	0.00E+00								7422
25A Tank Vents	371	0.50	3.2	149						1.82E-05	1.71E-03			5.38E-05	5.70E-04	1.59E-02	2.03E-07	5.08E-03	1.25E-03	3.05E-05	3.31E-04	2.07E-05	1.51E-04	2.22E-05		2.89E-05	7.86E-04	4.13E-06	1.20E-04	3.72E-05		82204
B26 Stacks	333	0.60	0.0	118																												
35F & D Vents	371	0.26	6.9	1397																												66739
35A Vents (Non cons)	370	0.60	1.3	390													4.48E-06	8.61E-02	1.28E-02	7.46E-05	1.49E-02	3.25E-05	6.79E-04									6568
35C Washer Area Vents - Banks 1-3	370	0.26	15.0	817																												13588
35C Washer Area Vents - Banks 4-6	370	0.26	15.0	1225																												
35J Tank Vents (Non cons)	357	0.49	1.5	2751																												
Grouped Sources to Water (ultimately to air):																																
Cooling Lake (excess in water)																																
Bldg 30 Condensate to Lower Dam															1.53E-05																	
Total - g/s					6.26E+01	5.18E+01	3.59E+00	2.05E+00	2.45E-03	9.94E-04	3.84E-03	0.00E+00	2.26E-05	2.84E-04	3.26E-03	2.75E-01	1.19E-05	1.18E+00	6.26E-01	7.32E-01	1.35E-01	7.49E-02	4.72E-02	8.94E-03	7.45E-02	2.31E-03	1.18E-01	5.74E-03	3.61E-04	5.62E-04	4.65E-04	965748
Total - kg/year					1.97E+06	1.63E+06	1.13E+05	6.47E+04	7.74E+01	3.13E+01	1.21E+02	0.00E+00	7.13E-01	8.97E+00	1.03E+02	8.68E+03	3.76E-01	3.73E+04	1.97E+04	2.31E+04	4.25E+03	2.36E+03	1.49E+03	2.82E+02	2.35E+03	7.29E+01	3.72E+03	1.81E+02	1.14E+01	1.77E+01	1.47E+01	
Expansion/Base Relativity					196%	180%	163%	108%	96%	97%	40%	0%	108%	55%	56%	86%	61%	105%	163%	135%	121%	115%	45%	39%	195%	158%	73%	81%	51%	127%	195%	

Input Data for : Case 6 - Peak	Temperature °K	Stack Diameter m	Discharge Velocity m/s	Stack Flow - Dry Dry Nm3/hr	NOx g/sec	CO g/sec	SO2 g/sec	Dust g/sec	Arsenic g/sec	Selenium g/sec	Manganese g/sec	Cadmium g/sec	Chromium (vi) g/sec	Nickel g/sec	Mercury g/sec	Ammonia g/sec	BaP Equivalents g/sec	Acetone	Acetaldeyhde	Formaldehyde	2-Butanone	Benzene	Toluene	Xylenes	Acrolein	Ethylbenzene	Methylene Chloride	Styrene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Vinyl chloride	Odour OU/sec
Sum																																
% Change Relative to BASE AVERAGE																																
Combustion Equipment Point Sources:																																
Oxalate Kiln Stack	363	1.30	19.6	70355	4.81E-01	7.34E+00	3.83E-01	1.12E-01	9.14E-06	5.49E-05	4.57E-06		2.97E-08				9.36E-08								6.20E-05	2.56E-05		3.38E-05	1.46E-05	3.66E-06		5
Liquor Burning	338	0.93	33.2	60629	4.24E+00	2.13E+01	4.38E-01	5.39E-01	1.68E-04	1.01E-03	8.42E-05		3.17E-07		3.20E-04		3.10E-06	1.76E-02	3.35E-03	5.79E-04	1.30E-03	7.44E-03	6.07E-04	1.46E-04		4.72E-04		6.23E-04	2.69E-04	6.74E-05		8682
Calciner 1	432	1.90	25.7	83608	3.41E+00	1.06E+01	9.52E-01	1.64E+00					1.82E-06		9.50E-05		5.57E-07	7.39E-02	7.07E-02	6.44E-02	6.39E-03	5.57E-03	2.21E-03	7.55E-04	9.29E-03	2.32E-04	1.02E-02	3.48E-04		6.50E-05	6.50E-05	81737
Calciner 2	433	1.90	26.1	83608	4.94E+00	2.39E+01	9.06E-01	1.02E+00					1.82E-06		9.50E-05		5.57E-07	8.71E-02	6.97E-02	6.30E-02	6.97E-03	5.73E-03	2.21E-03	7.55E-04	9.29E-03	2.32E-04	1.02E-02	3.48E-04		6.50E-05	6.50E-05	84533
Calciner 3	469	2.15	29.3	131027	8.74E+00	4.66E+00	1.57E+00	8.74E-01					1.82E-06		9.50E-05		8.74E-07	4.91E-02	4.80E-02	2.07E-01	9.32E-03	1.46E-03	1.38E-03	4.73E-04	1.46E-02	3.64E-04	1.60E-02	5.46E-04		9.10E-05	9.10E-05	79401
Calciner 4	430	2.35	25.9	143506	5.14E+00	5.14E+00	3.99E-01	9.57E-01					1.82E-06		9.50E-05		9.57E-07	1.34E-01	1.26E-01	1.18E-01	1.40E-02	8.47E-03	3.79E-03	1.30E-03	1.59E-02	3.99E-04	1.75E-02	5.98E-04		9.97E-05	9.97E-05	119596
Calciner 5	430	2.35	25.9	143506	5.14E+00	5.14E+00	3.99E-01	7.97E-02					1.82E-06		9.50E-05		9.57E-07	1.34E-01	1.26E-01	1.18E-01	1.40E-02	8.47E-03	3.79E-03	1.30E-03	1.59E-02	3.99E-04	1.75E-02	5.98E-04		9.97E-05	9.97E-05	119596
Calciner 6	430	2.35	25.9	143506	5.14E+00	5.14E+00	3.99E-01	7.97E-02					1.82E-06		9.50E-05		9.57E-07	1.34E-01	1.26E-01	1.18E-01	1.40E-02	8.47E-03	3.79E-03	1.30E-03	1.59E-02	3.99E-04	1.75E-02	5.98E-04		9.97E-05	9.97E-05	119596
Boiler 1	374	2.40	15.2	143930	4.80E+00	1.76E+00	7.20E-01		2.30E-03		1.07E-03		4.44E-06					3.20E-02	8.00E-03	8.00E-03	8.00E-03	5.00E-03	2.00E-03	4.00E-11			1.60E-02						9516
Boiler 2	397	2.00	16.4	104872	3.50E+00	1.75E+00	9.03E-01		9.98E-05	3.59E-05	5.89E-04		4.44E-06	1.02E-04		1.21E-01		3.88E-02	8.74E-03	5.83E-03	5.83E-03	3.64E-03	1.46E-03	2.91E-11			1.17E-02						11868
Boiler 3	404	2.00	14.0	89091	2.97E+00	5.69E-01	3.22E-01		8.48E-05	3.05E-05	5.01E-04		4.44E-06	8.66E-05		1.03E-01		2.88E-02	4.95E-03	4.95E-03	4.95E-03	3.09E-03	1.24E-03	2.47E-11			9.90E-03						16256
Boiler 2/3 (Non-condensables)									5.93E-06	5.52E-05	1.31E-03	4.45E-07		2.31E-04	1.78E-03																		
Gas Turbine 1	371	3.03	22.4	392754	1.36E+01	7.83E+00	2.56E+00																									
Gas Turbine 2	444	6.20	18.0	1081672	1.54E+01	3.76E+00	2.61E-01												5.83E-03	2.01E-02	0.00E+00	7.84E-04	2.67E-03	1.69E-03									
Gas Turbine 3	444	6.20	18.0	1081672	1.54E+01	3.76E+00	2.61E-01												5.83E-03	2.01E-02	0.00E+00	7.84E-04	2.67E-03	1.69E-03									
Non-Combustion Equipment Point Sources:																																
OBF Vac Pump Stack	333	0.90	10.5	13190														0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00									
Calciner 1,2,3 Vac Pump, 50B and Dorrco	345	1.10	8.4	16200													6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			1.13E-04						
Calciner 4 Vac Pump and Dorrco (combined emission)	345	0.91	12.6	8100													6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			1.13E-04						
45K Cooling Tower 2 and 3	323	8.00	15.3	1031195														3.55E-01	4.01E-02	4.01E-02	4.01E-02	2.01E-02	2.01E-02	0.00E+00				1.15E-03					157470
45K Cooling Tower 1	323		n/a															0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00									
50 Cooling Tower 1 and 2	322	5.00	3.7	448302														4.87E-02	5.50E-03	0.00E+00	0.00E+00	2.75E-11	1.10E-04	0.00E+00				2.20E-04					32254
Grouped Sources:																																
Milling Vents	343	0.44	2.3	2932						7.66E-06	1.53E-05				4.75E-02		9.19E-08	1.44E-02	1.14E-02	1.62E-04	1.30E-03	1.10E-04	1.46E-04	0.00E+00									7896
25A Tank Vents	371	0.50	3.2	149					1.04E-05	1.82E-05	1.71E-03			5.38E-05	5.70E-04	1.59E-02	2.03E-07	5.08E-03	1.25E-03	3.05E-05	3.31E-04	2.07E-05	1.51E-04	2.22E-05		2.89E-05	7.85E-04	4.13E-06		1.20E-04	3.72E-05		82200
B26 Stacks	333	0.60	9.0	138																												
35F & D Vents	371	0.26	6.9	1397																												66739
35A Vents (Non cons)	370	0.60	1.3	260													4.48E-06	8.61E-02	1.28E-02	7.46E-05	1.49E-02	9.75E-05	6.79E-04	0.00E+00									6572
35C Washer Area Vents - Banks 1-3	370	0.26	15.0	817																												13588
35C Washer Area Vents - Banks 4-6	370	0.26	15.0	1225																												
35J Tank Vents (Non cons)	357	0.49	1.5	2751																												
Grouped Sources to Water (ultimately to air):																																
Cooling Lake (excess in water)																																
Bldg 30 Condensate to Lower Dam															1.53E-05																	
Total - g/s					9.29E+01	1.03E+02	1.05E+01	5.30E+00	2.68E-03	1.21E-03	5.28E-03	4.45E-07	2.46E-05	4.73E-04	3.26E-03	2.87E-01	1.28E-05	1.24E+00	6.74E-01	7.89E-01	1.41E-01	7.92E-02	4.89E-02	9.43E-03	8.10E-02	2.55E-03	1.28E-01	5.06E-03		4.04E-04	6.28E-04	5.20E-04	1017503
Total - kg/year					2.93E+06	3.24E+06	3.30E+05	1.67E+05	8.46E+01	3.82E+01	1.67E+02	1.40E-02	7.76E-01	1.49E+01	1.03E+02	9.05E+03	4.05E-01	3.91E+04	2.12E+04	2.49E+04	4.45E+03	2.50E+03	1.54E+03	2.97E+02	2.56E+03	8.04E+01	4.02E+03	1.60E+02		1.27E+01	1.98E+01	1.64E+01	

Input Data for : Case 7 - Average	Temperature °K	Stack Diameter m	Discharge Velocity m/s	Stack Flow - Dry Dry Nm3/hr	NOx g/sec	CO g/sec	SO2 g/sec	Dust g/sec	Arsenic g/sec	Selenium g/sec	Manganese g/sec	Cadmium g/sec	Chromium (vi) g/sec	Nickel g/sec	Mercury g/sec	Ammonia g/sec	BaP Equivalents g/sec	Acetone	Acetaldeyhde	Formaldehyde	2-Butanone	Benzene	Toluene	Xylenes	Acrolein	Ethylbenzene	Methylene Chloride	Styrene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Vinyl chloride	Odour OU/sec
Sum																																
% Change Relative to BASE AVERAGE																																
Combustion Equipment Point Sources:																																
Oxalate Kiln Stack	363	1.30	19.6	70355	4.81E-01	7.34E+00	3.83E-01	1.12E-01	9.14E-06	5.49E-05	4.57E-06		2.97E-08				9.36E-08								6.20E-05	2.56E-05		3.38E-05	1.46E-05	3.66E-06		5
Liquor Burning	338	0.93	27.9	50989	1.24E+00	7.65E+00	1.04E-01	7.01E-02	1.42E-04	8.50E-04	7.08E-05		2.67E-07		3.20E-04		2.61E-06	1.66E-02	3.15E-03	5.44E-04	1.22E-03	6.99E-03	5.71E-04	1.37E-04	0.00E+00	3.97E-04		5.24E-04	2.27E-04	5.67E-05		8123
Calciner 1	432	1.90	23.7	76812	2.37E+00	5.61E+00	3.54E-01	4.51E-01					1.50E-06		9.50E-05		5.12E-07	6.79E-02	6.49E-02	5.91E-02	5.87E-03	5.12E-03	2.03E-03	6.93E-04	8.53E-03	2.13E-04	9.39E-03	3.20E-04		5.33E-05	5.33E-05	75088
Calciner 2	433	1.90	24.0	76812	1.44E+00	1.02E+01	4.67E-01	3.31E-01					1.50E-06		9.50E-05		5.12E-07	8.01E-02	6.40E-02	5.79E-02	6.40E-03	5.26E-03	2.03E-03	6.93E-04	8.53E-03	2.13E-04	9.39E-03	3.20E-04		5.33E-05	5.33E-05	77657
Calciner 3	469	2.15	26.9	120377	4.92E+00	1.74E+00	3.20E-01	4.50E-01					1.68E-06		9.50E-05		8.03E-07	4.51E-02	4.41E-02	1.90E-01	8.56E-03	1.34E-03	1.27E-03	4.35E-04	1.34E-02	3.34E-04	1.47E-02	5.02E-04		8.36E-05	8.36E-05	72947
Calciner 4	430	2.35	23.8	131841	2.86E+00	2.70E+00	1.47E-01	4.93E-01					1.68E-06		9.50E-05		8.79E-07	1.24E-01	1.16E-01	1.09E-01	1.28E-02	7.78E-03	3.48E-03	1.19E-03	1.46E-02	3.66E-04	1.61E-02	5.49E-04		9.16E-05	9.16E-05	109874
Calciner 5	430	2.35	23.8	131841	2.86E+00	2.70E+00	1.47E-01	7.32E-02					1.68E-06		9.50E-05		8.79E-07	1.24E-01	1.16E-01	1.09E-01	1.28E-02	7.78E-03	3.48E-03	1.19E-03	1.46E-02	3.66E-04	1.61E-02	5.49E-04		9.16E-05	9.16E-05	109874
Calciner 6	430	2.35	23.8	131841	2.86E+00	2.70E+00	1.47E-01	7.32E-02					1.68E-06		9.50E-05		8.79E-07	1.24E-01	1.16E-01	1.09E-01	1.28E-02	7.78E-03	3.48E-03	1.19E-03	1.46E-02	3.66E-04	1.61E-02	5.49E-04		9.16E-05	9.16E-05	109874
Boiler 1	374	2.40	14.1	132858	4.04E+00	2.87E-01	1.89E-01		2.13E-03		9.87E-04		4.10E-06					2.95E-02	7.38E-03	7.38E-03	7.38E-03	4.61E-03	1.85E-03	3.69E-11			1.48E-02						8784
Boiler 2	397	2.00	15.7	100677	3.07E+00	2.41E-01	2.06E-01		9.58E-05	3.45E-05	5.66E-04		4.26E-06			1.16E-01		3.73E-02	8.39E-03	5.59E-03	5.59E-03	3.50E-03	1.40E-03	2.80E-11			1.12E-02						11394
Boiler 3	404	2.00	13.5	85527	2.60E+00	1.19E-01	1.76E-01		8.14E-05	2.93E-05	4.80E-04		4.26E-06			9.86E-02		2.76E-02	4.75E-03	4.75E-03	4.75E-03	2.97E-03	1.19E-03	2.38E-11			9.50E-03						15606
Boiler 2/3 (Non-condensables)														2.31E-04	1.78E-03																	
Boiler 4	374	2.40	14.1	132858	4.04E+00	2.87E-01	1.89E-01		2.13E-03		9.87E-04		4.10E-06					2.95E-02	7.38E-03	7.38E-03	7.38E-03	4.61E-03	1.85E-03	3.69E-11			1.48E-02						15606
Boiler 5	374	2.40	14.1	132858	4.04E+00	2.87E-01	1.89E-01		2.13E-03		9.87E-04		4.10E-06					2.95E-02	7.38E-03	7.38E-03	7.38E-03	4.61E-03	1.85E-03	3.69E-11			1.48E-02						15606
Gas Turbine 1	371	3.03	22.4	392754	3.00E+00	2.99E+00	4.27E-01																									
Non-Combustion Equipment Point Sources:																																
OBF Vac Pump Stack	333	0.90	10.5	10744																												
Calciner 1,2,3 Vac Pump, 50B and Dorrco	345	1.10	7.5	14486													3.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00			5.03E-06						
Calciner 4 Vac Pump and Dorrco (combined emission)	345	0.91	7.5	7243													3.02E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00	0.00E+00			5.03E-06					
45K Cooling Tower 2 and 3	323	8.00	15.3	1031195														3.55E-01	4.01E-02	4.01E-02	4.01E-02	2.01E-02	2.01E-02	0.00E+00				1.15E-03				157819
45K Cooling Tower 1	323		n/a															0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00								
50 Cooling Tower 1 and 2	322	5.00	3.7	197840														4.87E-02	5.50E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00				9.70E-05				32181
Grouped Sources:																																
Milling Vents	343	0.44	2.3	2756						7.20E-06	1.44E-05					4.46E-02	8.64E-08	1.35E-02	1.07E-02	1.53E-04	1.22E-03	1.03E-04	1.37E-04	0.00E+00								7422
25A Tank Vents	371	0.50	3.2	149						1.82E-05	1.71E-03			5.38E-05	5.70E-04	1.59E-02	2.03E-07	5.08E-03	1.25E-03	3.05E-05	3.31E-04	2.07E-05	1.51E-04	2.22E-05		2.89E-05	7.86E-04	4.13E-06		1.20E-04	3.72E-05		82204
B26 Stacks	333	0.60	0.0	118																												
35F & D Vents	371	0.26	6.9	1397																												66739
35A Vents (Non cons)	370	0.60	1.3	390													4.48E-06	8.61E-02	1.28E-02	7.46E-05	1.49E-02	3.25E-05	6.79E-04									6568
35C Washer Area Vents - Banks 1-3	370	0.26	15.0	817																												13588
35C Washer Area Vents - Banks 4-6	370	0.26	15.0	1225																												
35J Tank Vents (Non cons)	357	0.49	1.5	2751																												
Grouped Sources to Water (ultimately to air):																																
Cooling Lake (excess in water)																																
Bldg 30 Condensate to Lower Dam															1.53E-05																	
Total - g/s					3.98E+01	4.49E+01	3.45E+00	2.05E+00	6.71E-03	9.94E-04	5.81E-03	0.00E+00	3.08E-05	2.84E-04	3.26E-03	2.75E-01	1.19E-05	1.24E+00	6.29E-01	7.07E-01	1.50E-01	8.26E-02	4.56E-02	5.55E-03	7.45E-02	2.31E-03	1.48E-01	4.59E-03	3.61E-04	5.62E-04	4.65E-04	996961
Total - kg/year					1.26E+06	1.42E+06	1.09E+05	6.47E+04	2.12E+02	3.13E+01	1.83E+02	0.00E+00	9.72E-01	8.97E+00	1.03E+02	8.68E+03	3.76E-01	3.92E+04	1.98E+04	2.23E+04	4.71E+03	2.60E+03	1.44E+03	1.75E+02	2.35E+03	7.29E+01	4.65E+03	1.45E+02	1.14E+01	1.77E+01	1.47E+01	

Input Data for : Case 7 - Peak

	Temperature °K	Stack Diameter m	Discharge Velocity m/s	Stack Flow - Dry Dry Nm3/hr	NOx g/sec	CO g/sec	SO2 g/sec	Dust g/sec	Arsenic g/sec	Selenium g/sec	Manganese g/sec	Cadmium g/sec	Chromium (vi) g/sec	Nickel g/sec	Mercury g/sec	Ammonia g/sec	BaP Equivalents g/sec	Acetone	Acetaldehyde	Formaldehyde	2-Butanone	Benzene	Toluene	Xylenes	Acrolein	Ethylbenzene	Methylene Chloride	Styrene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Vinyl chloride	Odour OU/sec
Sum																															
% Change Relative to BASE AVERAGE																															
Combustion Equipment Point Sources:																															
Oxalate Kiln Stack	363	1.30	19.6	70355	4.81E-01	7.34E+00	3.83E-01	1.12E-01	9.14E-06	5.49E-05	4.57E-06		2.97E-08				9.36E-08								6.20E-05	2.56E-05		3.38E-05	1.46E-05	3.66E-06		5
Liquor Burning	338	0.93	33.2	60629	4.24E+00	2.13E+01	4.38E-01	5.39E-01	1.68E-04	1.01E-03	8.42E-05		3.17E-07		3.20E-04		3.10E-06	1.76E-02	3.35E-03	5.79E-04	1.30E-03	7.44E-03	6.07E-04	1.46E-04		4.72E-04		6.23E-04	2.69E-04	6.74E-05		8682
Calciner 1	432	1.90	25.7	83608	3.41E+00	1.06E+01	9.52E-01	1.64E+00					1.82E-06		9.50E-05		5.57E-07	7.39E-02	7.07E-02	6.44E-02	6.39E-03	5.57E-03	2.21E-03	7.55E-04	9.29E-03	2.32E-04	1.02E-02	3.48E-04		6.50E-05	6.50E-05	81737
Calciner 2	433	1.90	26.1	83608	4.94E+00	2.39E+01	9.06E-01	1.02E+00					1.82E-06		9.50E-05		5.57E-07	8.71E-02	6.97E-02	6.30E-02	6.97E-03	5.73E-03	2.21E-03	7.55E-04	9.29E-03	2.32E-04	1.02E-02	3.48E-04		6.50E-05	6.50E-05	84533
Calciner 3	469	2.15	29.3	131027	8.74E+00	4.66E+00	1.57E+00	8.74E-01					1.82E-06		9.50E-05		8.74E-07	4.91E-02	4.80E-02	2.07E-01	9.32E-03	1.46E-03	1.38E-03	4.73E-04	1.46E-02	3.64E-04	1.60E-02	5.46E-04		9.10E-05	9.10E-05	79401
Calciner 4	430	2.35	25.9	143506	5.14E+00	5.14E+00	3.99E-01	9.57E-01					1.82E-06		9.50E-05		9.57E-07	1.34E-01	1.26E-01	1.18E-01	1.40E-02	8.47E-03	3.79E-03	1.30E-03	1.59E-02	3.99E-04	1.75E-02	5.98E-04		9.97E-05	9.97E-05	119596
Calciner 5	430	2.35	25.9	143506	5.14E+00	5.14E+00	3.99E-01	7.97E-02					1.82E-06		9.50E-05		9.57E-07	1.34E-01	1.26E-01	1.18E-01	1.40E-02	8.47E-03	3.79E-03	1.30E-03	1.59E-02	3.99E-04	1.75E-02	5.98E-04		9.97E-05	9.97E-05	119596
Calciner 6	430	2.35	25.9	143506	5.14E+00	5.14E+00	3.99E-01	7.97E-02					1.82E-06		9.50E-05		9.57E-07	1.34E-01	1.26E-01	1.18E-01	1.40E-02	8.47E-03	3.79E-03	1.30E-03	1.59E-02	3.99E-04	1.75E-02	5.98E-04		9.97E-05	9.97E-05	119596
Boiler 1	374	2.40	15.2	143930	4.80E+00	1.76E+00	7.20E-01		2.30E-03		1.07E-03		4.44E-06					3.20E-02	8.00E-03	8.00E-03	8.00E-03	5.00E-03	2.00E-03	4.00E-11			1.60E-02						9516
Boiler 2	397	2.00	16.4	104872	3.50E+00	1.75E+00	9.03E-01		9.98E-05	3.59E-05	5.89E-04		4.44E-06	1.02E-04		1.21E-01		3.88E-02	8.74E-03	5.83E-03	5.83E-03	3.64E-03	1.46E-03	2.91E-11			1.17E-02						11868
Boiler 3	404	2.00	14.0	89091	2.97E+00	5.69E-01	3.22E-01		8.48E-05	3.05E-05	5.01E-04		4.44E-06	8.66E-05		1.03E-01		2.88E-02	4.95E-03	4.95E-03	4.95E-03	3.09E-03	1.24E-03	2.47E-11			9.90E-03						16256
Boiler 2/3 (Non-condensables)									5.93E-06	5.52E-05	1.31E-03	4.45E-07		2.31E-04	1.78E-03																		
Boiler 4	374	2.40	15.2	143930	4.80E+00	1.76E+00	7.20E-01		2.30E-03		1.07E-03		4.44E-06					3.20E-02	8.00E-03	8.00E-03	8.00E-03	5.00E-03	2.00E-03	4.00E-11			1.60E-02						16256
Boiler 5	374	2.40	15.2	143930	4.80E+00	1.76E+00	7.20E-01		2.30E-03		1.07E-03		4.44E-06					3.20E-02	8.00E-03	8.00E-03	8.00E-03	5.00E-03	2.00E-03	4.00E-11			1.60E-02						16256
Gas Turbine 1	371	3.03	22.4	392754	1.36E+01	7.83E+00	2.56E+00											0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-10	0.00E+00								
Non-Combustion Equipment Point Sources:																															
OBF Vac Pump Stack	333	0.90	10.5	13190														0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00								
Calciner 1,2,3 Vac Pump, 50B and Dorrco	345	1.10	8.4	16200													6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			1.13E-04					
Calciner 4 Vac Pump and Dorrco (combined emission)	345	0.91	12.6	8100													6.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00			1.13E-04					
45K Cooling Tower 2 and 3	323	8.00	15.3	1031195														3.55E-01	4.01E-02	4.01E-02	4.01E-02	2.01E-02	2.01E-02	0.00E+00				1.15E-03				157470
45K Cooling Tower 1	323		n/a															0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00								
50 Cooling Tower 1 and 2	322	5.00	3.7	448302														4.87E-02	5.50E-03	0.00E+00	0.00E+00	2.75E-11	1.10E-04	0.00E+00				2.20E-04				32254
Grouped Sources:																															
Milling Vents	343	0.44	2.3	2932						7.66E-06	1.53E-05					4.75E-02	9.19E-08	1.44E-02	1.14E-02	1.62E-04	1.30E-03	1.10E-04	1.46E-04	0.00E+00								7896
25A Tank Vents	371	0.50	3.2	149					1.04E-05	1.82E-05	1.71E-03			5.38E-05	5.70E-04	1.59E-02	2.03E-07	5.08E-03	1.25E-03	3.05E-05	3.31E-04	2.07E-05	1.51E-04	2.22E-05		2.89E-05	7.85E-04	4.13E-06		1.20E-04	3.72E-05		82200
B26 Stacks	333	0.60	9.0	138																											
35F & D Vents	371	0.26	6.9	1397																											66739
35A Vents (Non cons)	370	0.60	1.3	260													4.48E-06	8.61E-02	1.28E-02	7.46E-05	1.49E-02	9.75E-05	6.79E-04	0.00E+00								6572
35C Washer Area Vents - Banks 1-3	370	0.26	15.0	817																											13588
35C Washer Area Vents - Banks 4-6	370	0.26	15.0	1225																											
35J Tank Vents (Non cons)	357	0.49	1.5	2751																											
Grouped Sources to Water (ultimately to air):																															
Cooling Lake (excess in water)																															
Bldg 30 Condensate to Lower Dam															1.53E-05																
Total - g/s					7.17E+01	9.87E+01	1.14E+01	5.30E+00	7.29E-03	1.21E-03	7.42E-03	4.45E-07	3.35E-05	4.73E-04	3.26E-03	2.87E-01	1.28E-05	1.30E+00	6.78E-01	7.65E-01	1.57E-01	8.76E-02	4.76E-02	6.04E-03	8.10E-02	2.55E-03	1.60E-01	5.06E-03		4.04E-04	6.28E-04	5.20E-04	1050016
Total - kg/year					2.26E+06	3.11E+06	3.59E+05	1.67E+05	2.30E+02	3.82E+01	2.34E+02	1.40E-02	1.06E+00	1.49E+01	1.03E+02	9.05E+03	4.05E-01	4.11E+04	2.14E+04	2.41E+04	4.96E+03	2.76E+03	1.50E+03	1.90E+02	2.56E+03	8.04E+01	5.03E+03	1.60E+02		1.27E+01	1.98E+01	1.64E+01	