University of North Carolina at Chapel Hill
Chapel Hill, North Carolina
Orange County
Facility ID # 6800043
Permit # 03069T20

2006 Annual Emissions Inventory

Facility Summary

Pollutant	Units	Boiler #6			Boiler #6	Boiler #7			Boiler #7	Boiler #8		Boiler #8	Railcar Dump Pits	Coal Storage Silos	Sorbent Railcar Dump Pit	Ash Silo w/ Loadout	Coal Conveyor & Crusher Building	Fuel Oil Storage Tanks	Total
		Natural Gas	Fuel Oil	Coal	Total	Natural Gas	Fuel Oil	Coal	Total	Natural Gas	Fuel Oil	Total							
PM	tpy	0.02	0.009	1.45	1.47	0.03	0.00E+00	1.38	1.41	0.051	0.01	0.060	7.53E-03	0.0052	1.29E-02	1.89	0.81		5.7
PM-10	tpy	0.02	0.009	1.45	1.47	0.03	0.00E+00	1.38	1.41	0.051	0.0027	0.054	3.56E-03	0.0052	6.11E-03	1.89	0.81		5.7
PM-2.5	tpy	0.02	0.0021	0.86	0.88	0.03	0.00E+00	0.82	0.85	0.051	0.0007	0.052	1.12E-03	0.0049	1.92E-03	1.79	0.77		4.3
NOx	tpy	0.84	0.32	274.83	275.99	1.44	0.00E+00	256.01	257.44	0.414	0.02	0.436							533.9
VOC	tpy	0.01	0.00	1.46	1.47	0.02	0.00E+00	1.39	1.41	0.037	0.0005	0.037						0.21	3.1
CO	tpy	0.19	0.03	525.03	525.25	0.33	0.00E+00	501.38	501.71	0.563	0.01	0.576							1027.5
SO2	tpy	0.00	0.11	92.16	92.27	0.00	0.00E+00	89.44	89.44	0.004	0.07	0.069							181.8
1,3 Butadiene	lb/yr				0				0			0							0.0
2,3,7,8-TCDD	lb/yr			8.34E-07	8.34E-07			7.97E-07	7.97E-07			0							0.0
2,4-Dinitrotoluene	lb/yr			1.63E-02	1.63E-02			0.02	0.02			0							0.0
2-Chloroacetophenone	lb/yr			0.41	0.41			0.39	0.38995845			0							0.8
Acetaldehyde	lb/yr			33.25	33.25			31.75	31.75			0							65.0
Acetic Acid	lb/yr				0				0			0							0.0
Acetophenone	lb/yr			0.88	0.88			0.84	0.84			0							1.7
Acrolein	lb/yr			16.92	16.92			16.16	16.16			0							33.1
Antimony	lb/yr		0.00E+00		0.00E+00		0.00E+00		0.00E+00			0							0.0
Arsenic	lb/yr	0.00	7.26E-05	0.61	0.61	1.57E-03	0.00E+00	0.58	0.59	0.003	2.98E-03	0.006							1.2
Benzene	lb/yr	0.0	3.56E-02	75.84	75.88	1.65E-02	0.00E+00	72.42	72.44	0.028	1.46E-02	0.043							148.4
Benzo(a)pyrene	lb/yr			2.22E-03	2.22E-03			0.00	2.12E-03			0							0.0
Benzyl Chloride	lb/yr			40.84	40.835865			39.00	39.00			0							79.8
Beryllium	lb/yr		5.44E-05	28.40	28.40		0.00E+00	27.12	27.12		2.23E-03	2.23E-03							55.5
Biphenyl	lb/yr			9.92E-02	0.10			9.47E-02	0.09			0							0.2
Bis(2-ethylhexyl)phthalate (DEHP)	lb/yr			4.26	4.26			4.07	4.07			0							8.3
Bromine	lb/yr			12.38	12.38			11.83	11.83			0							24.2
Bromoform	lb/yr			2.28	2.28			2.17	2.17			0							4.4
Cadmium	lb/yr	0.00	5.44E-05	2.49E-02	0.03	8.65E-03	0.00E+00	2.38E-02	0.03	0.015	2.23E-03	0.017							0.1
Carbon Disulfide	lb/yr			7.58	7.58			7.24	7.24			0							14.8
Chlorobenzene	lb/yr			1.28	1.28			1.23	1.23			0							2.5
Chloroform	lb/yr			3.44	3.44			3.29	3.29			0							6.7
Chromium	lb/yr	0.01	5.44E-05	0.98	0.98	1.10E-02	0.00E+00	0.93	0.94	0.019	2.23E-03	0.021							1.9
Chromium VI	lb/yr	0.01	1.60E-05	0.98	0.98	1.10E-02	0.00E+00	0.93	0.94	0.019	6.55E-04	0.019							1.9
Cobalt	lb/yr		0.00E+00		0.00E+00		0.00E+00		0.00E+00			0							0.0
Cumene	lb/yr			0.31	0.31			0.30	0.30			0							0.6
Cyanide	lb/yr			145.84	145.84			139.27	139.27			0							285.1
Dibenzofurans	lb/yr			1.17E-02	0.01			1.12E-02	0.01			0							0.0
Dichlorobenzene	lb/yr	0.01			0.00538716	9.44E-03			9.44E-03	0.016		0.016							0.0
Dimethyl Sulfate	lb/yr			2.80	2.80			2.67	2.67			0							5.5
Ethyl Benzene	lb/yr		1.06E-02	5.48	5.49		0.00E+00	5.24	5.24		4.34E-03	4.34E-03							10.7
Ethyl Chloride	lb/yr			2.45	2.45			2.34	2.34			0							4.8
Ethylene Dibromide	lb/yr			7.00E-02	0.07			6.69E-02	0.07			0							0.1
Ethylene Dichloride	lb/yr			2.33	2.33			2.23	2.23			0							4.6
Ethylene Glycol	lb/yr				0				0			0							0.0
Ethylene Oxide	lb/yr				0				0			0							0.0
Flouride	lb/yr		0.48		0.48		0.00E+00		0.00		1.98E-01	1.98E-01							0.7
Formaldehyde	lb/yr	0.34	0.62	14.00	14.96	5.90E-01	0.00E+00	13.37	13.96	1.005	2.55E-01	1.260							30.2
Glycol Ethers	lb/yr				0				0			0							0.0
Hexane	lb/yr	8.08		3.91	11.99	1.42E+01		3.73	17.89	24.115		24.115							54.0
Hydrogen Chloride	lb/yr			#######	43,577.70			55262.68	55262.68			0							98840.4
Hydrogen Fluoride	lb/yr			2566.83	2566.83			2451.17	2451.17			0							5018.0
Isophorone	lb/yr			33.84	33.84			32.31	32.31			0							66.1
Lead	lb/yr	0.00	1.63E-04	0.39	0.40	3.93E-03	0.00E+00	0.38	0.38	0.007	6.70E-03	0.013							0.8
Manganese	lb/yr	0.00	1.09E-04	1.69	1.69	2.99E-03	0.00E+00	1.61	1.62	0.005	4.46E-03	0.010							3.3
Mercury	lb/yr	0.00	5.44E-03	2.17	2.18	2.04E-03	0.00E+00	2.08	2.08	0.003	2.23E-03	0.006							4.3
Methly Chloride	lb/yr			30.92	30.92			29.53	29.53			0							60.4
Methly Ethyl Ketone	lb/yr			22.75	22.75			21.73	21.73			0							44.5
Methyl Bromide	lb/yr			9.33	9.33			8.91	8.91			0							18.2
Methyl Chloroform	lb/yr		3.06E-03		3.06E-03		0.00E+00		0.00E+00		1.25E-03	1.25E-03							0.0
Methyl Hydrazine	lb/yr			9.92	9.92			9.47	9.47			0							19.4
Methyl Methacrylate	lb/yr			1.17	1.17			1.11	1.11			0							2.3
Methyl Tert Butyl Ether	lb/yr			2.04	2.04			1.95	1.95			0							4.0
Methylene Chloride	lb/yr			16.92	16.92			16.16	16.16			0							33.1
Napthalene	lb/yr	0.00	4.32E-05	0.76	0.76	4.80E-03	0.00E+00	0.72	0.73	0.008	1.77E-03	0.010							1.5
Nickel	lb/yr	0.01	5.44E-05	0.80	0.81	1.65E-02	0.00E+00	0.77	0.78	0.028	2.23E-03	0.030							1.6
PAH	lb/yr				0				0			0							0.0
Phenol	lb/yr			0.93	0.93			0.89	0.89			0							1.8
POM	lb/yr	0.00	4.28E-04	3.38	3.39	5.20E-03	0.00E+00	3.23	3.24	0.009	1.75E-02	0.026							6.6
Propionaldehyde	lb/yr			22.17	22.17			21.17	21.17			0							43.3
Propylene	lb/yr				0				0			0							0.0
Selenium	lb/yr		2.72E-04		2.72E-04		0.00E+00		0.00E+00		1.12E-02	1.12E-02							0.0
Styrene	lb/yr			1.46	1.46			1.39	1.39			0							2.9
Tetrachloroethane	lb/yr			2.51	2.51			2.40	2.40			0							4.9
Toluene	lb/yr	0.02	1.03	14.00	15.05	2.67E-02	0.00E+00	13.37	13.40	0.046	4.23E-01	0.469							28.9
Vinyl Acetate	lb/yr			0.44	0.44			0.42	0.42			0							0.9
Xylenes	lb/yr		1.82E-02	2.16	2.18		0.00E+00	2.06	2.06		7.44E-03	7.44E-03							4.2