

THE UNIVERSITY OF MICHIGAN, ANN ARBOR - 1999 AIR EMISSIONS INVENTORY

BOILERS - Central Power Plant AND Satellite Locations

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
001	260	Central Power Plant	7.60	3.18	0.60	0.25	217.56	90.98	2.14	0.90	5.50	2.30	225.8	Natural Gas	836.35
		# 3 Boiler	3.30	0.00	6.28	0.00	20.00	0.00	5.00	0.00	0.20	0.00		#2 Fuel Oil	0.00
			12.41	0.00	157.00	0.00	55.00	0.00	5.00	0.00	0.28	0.00		#6 Fuel Oil	
002	260	Central Power Plant	7.60	3.58	0.60	0.28	217.56	102.47	2.14	1.01	5.50	2.59	225.8	Natural Gas	941.96
		# 4 Boiler	3.30	0.00	6.28	0.00	20.00	0.00	5.00	0.00	0.20	0.00		#2 Fuel Oil	0.01
			12.41	0.00	157.00	0.00	55.00	0.00	5.00	0.00	0.28	0.00		#6 Fuel Oil	
003	260	Central Power Plant	7.60	0.29	0.60	0.02	155.40	5.89	2.53	0.10	5.50	0.21	122.8	Natural Gas	75.86
		# 5 Boiler	3.30	0.00	6.28	0.00	20.00	0.00	5.00	0.00	0.20	0.00		#2 Fuel Oil	0.00
			12.41	0.00	157.00	0.00	55.00	0.00	5.00	0.00	0.28	0.00		#6 Fuel Oil	
004	260	Central Power Plant	7.60	0.58	0.60	0.05	550.00	41.78	40.00	3.04	5.50	0.42	153.6	Natural Gas	151.93
		# 6 Boiler	3.30	0.00	6.28	0.01	20.00	0.03	5.00	0.01	0.20	0.00		#2 Fuel Oil	2.76
			12.41	0.00	157.00	0.00	55.00	0.00	5.00	0.00	0.28	0.00		#6 Fuel Oil	
006	260	Central Power Plant	7.60	1.35	0.60	0.11	145.04	25.73	10.36	1.84	5.50	0.98	149.2	Natural Gas	354.85
		# 1 Boiler	3.30	0.00	6.28	0.00	20.00	0.01	5.00	0.00	0.20	0.00		#2 Fuel Oil	0.82
			12.41	0.00	157.00	0.00	55.00	0.00	5.00	0.00	0.28	0.00		#6 Fuel Oil	
007	260	Central Power Plant	7.60	1.16	0.60	0.09	145.04	22.05	10.36	1.58	5.50	0.84	149.2	Natural Gas	304.11
		# 2 Boiler	3.30	0.05	6.28	0.09	20.00	0.28	5.00	0.07	0.20	0.00		#2 Fuel Oil	28.41
			12.41	0.00	157.00	0.00	55.00	0.00	5.00	0.00	0.28	0.00		#6 Fuel Oil	
008	260	Central Power Plant	7.60	0.95	0.60	0.08	31.08	3.89	20.72	2.59	5.50	0.69	65.0	Natural Gas	250.11
		# 7 Boiler												#2 Fuel Oil	N/A
009	260	Central Power Plant	7.60	0.98	0.60	0.08	31.08	4.00	20.72	2.66	5.50	0.71	65.0	Natural Gas	257.22
		# 8 Boiler												#2 Fuel Oil	N/A
010	260	Central Power Plant	7.60	1.28	0.60	0.10	31.08	5.25	20.72	3.50	5.50	0.93	57.0	Natural Gas	337.92
		Turbine # 9	5.00	0.00	140.00	0.00	67.80	0.00	15.40	0.00	4.77	0.00		#2 Fuel Oil	0.00
011	260	Central Power Plant	7.60	1.28	0.60	0.10	31.08	5.24	20.72	3.49	5.50	0.93	57.0	Natural Gas	337.22
		Turbine # 10	5.00	0.00	140.00	0.00	67.80	0.00	15.40	0.00	4.77	0.00		#2 Fuel Oil	0.00
105	890	Perry Bldg-1	7.6	0.009	0.6	0.001	100.0	0.122	84.0	0.103	5.5	0.007	4.1	Natural Gas	2.45
														#2 Fuel Oil	N/A
106	890	Perry Bldg-2	7.6	0.009	0.6	0.001	100.0	0.122	84.0	0.103	5.5	0.007	4.1	Natural Gas	2.45
														#2 Fuel Oil	N/A
107	400	Lay Auto Lab-1	7.6	0.014	0.6	0.001	100.0	0.182	84.0	0.153	5.5	0.010	20.9	Natural Gas	3.65
														#2 Fuel Oil	N/A
108	400	Lay Auto Lab-2	7.6	0.014	0.6	0.001	100.0	0.182	84.0	0.153	5.5	0.010	20.9	Natural Gas	3.65
														#2 Fuel Oil	N/A
109	435	Institute for Science&Tech-1	7.6	0.000	0.6	0.000	100.0	0.002	84.0	0.002	5.5	0.000	8.3	Natural Gas	0.04
														#2 Fuel Oil	N/A
110	435	Institute for Science&Tech-2	7.6	0.000	0.6	0.000	100.0	0.002	84.0	0.002	5.5	0.000	8.3	Natural Gas	0.04
														#2 Fuel Oil	N/A

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
111	435	Institute for Science&Tech-3	7.6	0.000	0.6	0.000	100.0	0.002	84.0	0.002	5.5	0.000	8.3	Natural Gas	0.04
														#2 Fuel Oil	N/A
112	402	Center for DTM	7.6	0.009	0.6	0.001	100.0	0.116	84.0	0.097	5.5	0.006	2.1	Natural Gas	2.32
														#2 Fuel Oil	N/A
113	406	Advance Tech Labs-1	7.6	0.004	0.6	0.000	100.0	0.055	84.0	0.046	5.5	0.003	2.1	Natural Gas	1.11
														#2 Fuel Oil	N/A
114	406	Advance Tech Labs-2	7.6	0.004	0.6	0.000	100.0	0.055	84.0	0.046	5.5	0.003	2.1	Natural Gas	1.11
														#2 Fuel Oil	N/A
115	409	Fire Svc I&R Ctr	7.6	0.005	0.6	0.000	100.0	0.071	84.0	0.060	5.5	0.004	3.0	Natural Gas	1.43
														#2 Fuel Oil	N/A
116	444	UMTRI-1	7.6	0.014	0.6	0.001	100.0	0.187	84.0	0.157	5.5	0.010	6.0	Natural Gas	3.73
														#2 Fuel Oil	N/A
117	444	UMTRI-2	7.6	0.014	0.6	0.001	100.0	0.187	84.0	0.157	5.5	0.010	6.0	Natural Gas	3.73
														#2 Fuel Oil	N/A
118	407	G.G. Brown-1	7.6	0.016	0.6	0.001	100.0	0.212	84.0	0.178	5.5	0.012	8.3	Natural Gas	4.24
														#2 Fuel Oil	N/A
119	407	G.G. Brown-2	7.6	0.016	0.6	0.001	100.0	0.212	84.0	0.178	5.5	0.012	8.3	Natural Gas	4.24
														#2 Fuel Oil	N/A
120	407	G.G. Brown-3	7.6	0.016	0.6	0.001	100.0	0.204	84.0	0.172	5.5	0.011	8.0	Natural Gas	4.09
														#2 Fuel Oil	N/A
121	407	G.G. Brown-4	7.6	0.024	0.6	0.002	100.0	0.319	84.0	0.268	5.5	0.018	12.5	Natural Gas	6.39
														#2 Fuel Oil	N/A
122	407	G.G. Brown-5	7.6	0.024	0.6	0.002	100.0	0.319	84.0	0.268	5.5	0.018	12.5	Natural Gas	6.39
														#2 Fuel Oil	N/A
123	441	Space Research Lab-1	7.6	0.022	0.6	0.002	100.0	0.295	84.0	0.248	5.5	0.016	8.3	Natural Gas	5.91
														#2 Fuel Oil	N/A
124	441	Space Research Lab-2	7.6	0.017	0.6	0.001	100.0	0.221	84.0	0.185	5.5	0.012	6.2	Natural Gas	4.41
														#2 Fuel Oil	N/A
125	415	Naval Arch & Marine Engg	7.6	0.031	0.6	0.002	100.0	0.409	84.0	0.343	5.5	0.022	2.0	Natural Gas	8.18
														#2 Fuel Oil	N/A
126	443	Chrysler Center-1	7.6	0.008	0.6	0.001	100.0	0.102	84.0	0.086	5.5	0.006	2.0	Natural Gas	2.05
														#2 Fuel Oil	N/A
127	443	Chrysler Center-2	7.6	0.008	0.6	0.001	100.0	0.102	84.0	0.086	5.5	0.006	2.0	Natural Gas	2.05
														#2 Fuel Oil	N/A
128	443	Chrysler Center-3	7.6	0.002	0.6	0.000	100.0	0.031	84.0	0.026	5.5	0.002	0.6	Natural Gas	0.61
														#2 Fuel Oil	N/A
129	403	Cooley M. E. Lab. 1	7.6	0.007	0.6	0.001	100.0	0.098	84.0	0.082	5.5	0.005	5.4	Natural Gas	1.95
														#2 Fuel Oil	N/A
130	403	Cooley M. E. Lab. 2	7.6	0.011	0.6	0.001	100.0	0.148	84.0	0.125	5.5	0.008	8.2	Natural Gas	2.97
														#2 Fuel Oil	N/A

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
131	403	Cooley M. E. Lab-3	7.6	0.011	0.6	0.001	100.0	0.148	84.0	0.125	5.5	0.008	8.2	Natural Gas	2.97
															#2 Fuel Oil
132	440	School of Music-1	7.6	0.025	0.6	0.002	100.0	0.323	84.0	0.271	5.5	0.018	8.3	Natural Gas	6.45
															#2 Fuel Oil
133	440	School of Music-2	7.6	0.025	0.6	0.002	100.0	0.323	84.0	0.271	5.5	0.018	8.3	Natural Gas	6.45
															#2 Fuel Oil
134	442	Pierpont Commons-1	7.6	0.028	0.6	0.002	100.0	0.368	84.0	0.309	5.5	0.020	8.4	Natural Gas	7.37
															#2 Fuel Oil
135	442	Pierpont Commons-2	7.6	0.028	0.6	0.002	100.0	0.368	84.0	0.309	5.5	0.020	8.4	Natural Gas	7.37
															#2 Fuel Oil
136	800	Hoover Plant-1	7.6	0.033	0.6	0.003	100.0	0.430	84.0	0.361	5.5	0.024	13.0	Natural Gas	8.60
			2.0	0.000	42.6	0.000	20.0	0.000	5.0	0.000	0.2	0.000			#2 Fuel Oil
137	800	Hoover Plant-2	7.6	0.033	0.6	0.003	100.0	0.430	84.0	0.361	5.5	0.024	13.0	Natural Gas	8.60
			2.0	0.000	42.6	0.000	20.0	0.000	5.0	0.000	0.2	0.000			#2 Fuel Oil
138	800	Hoover Plant-3	7.6	0.136	0.6	0.011	100.0	1.785	84.0	1.500	5.5	0.098	54.0	Natural Gas	35.71
			2.0	0.000	42.6	0.000	20.0	0.000	5.0	0.000	0.2	0.000			#2 Fuel Oil
139	800	Hoover Plant-4	7.6	0.161	0.6	0.013	100.0	2.116	84.0	1.777	5.5	0.116	64.0	Natural Gas	42.32
			2.0	0.000	42.6	0.000	20.0	0.000	5.0	0.000	0.2	0.000			#2 Fuel Oil
140	432	Art and Architecture-1	7.6	0.046	0.6	0.004	100.0	0.609	84.0	0.512	5.5	0.033	9.0	Natural Gas	12.18
															#2 Fuel Oil
141	432	Art and Architecture-2	7.6	0.046	0.6	0.004	100.0	0.609	84.0	0.512	5.5	0.033	9.0	Natural Gas	12.18
															#2 Fuel Oil
142	432	Art and Architecture-3	7.6	0.046	0.6	0.004	100.0	0.609	84.0	0.512	5.5	0.033	9.0	Natural Gas	12.18
															#2 Fuel Oil
143	439	Bentley Hist Library-1	7.6	0.011	0.6	0.001	100.0	0.143	84.0	0.120	5.5	0.008	2.1	Natural Gas	2.87
															#2 Fuel Oil
144	439	Bentley Hist Library-2	7.6	0.005	0.6	0.000	100.0	0.068	84.0	0.057	5.5	0.004	1.0	Natural Gas	1.37
															#2 Fuel Oil
145	332	North Ingalls-1	7.6	0.068	0.6	0.005	100.0	0.895	84.0	0.751	5.5	0.049	15.0	Natural Gas	17.89
															#2 Fuel Oil
146	332	North Ingalls-2	7.6	0.068	0.6	0.005	100.0	0.895	84.0	0.751	5.5	0.049	15.0	Natural Gas	17.89
															#2 Fuel Oil
147	332	North Ingalls-3	7.6	0.068	0.6	0.005	100.0	0.895	84.0	0.751	5.5	0.049	15.0	Natural Gas	17.89
															#2 Fuel Oil
148	427	North Campus Recreation-1	7.6	0.037	0.6	0.003	100.0	0.483	84.0	0.406	5.5	0.027	10.0	Natural Gas	9.66
															#2 Fuel Oil
149	427	North Campus Recreation-2	7.6	0.004	0.6	0.000	100.0	0.048	84.0	0.041	5.5	0.003	1.0	Natural Gas	0.97
															#2 Fuel Oil
150	427	North Campus Recreation-3	7.6	0.002	0.6	0.000	100.0	0.024	84.0	0.020	5.5	0.001	0.5	Natural Gas	0.48
															#2 Fuel Oil

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
151	324	Kellogg Eye Center-1	7.6	0.019	0.6	0.002	100.0	0.254	84.0	0.213	5.5	0.014	6.0	Natural Gas	5.08
														#2 Fuel Oil	N/A
152	324	Kellogg Eye Center-2	7.6	0.019	0.6	0.002	100.0	0.254	84.0	0.213	5.5	0.014	6.0	Natural Gas	5.08
														#2 Fuel Oil	N/A
153	324	Kellogg Eye Center-3	7.6	0.001	0.6	0.000	100.0	0.017	84.0	0.014	5.5	0.001	0.4	Natural Gas	0.34
														#2 Fuel Oil	N/A
154	324	Kellogg Eye Center-4	7.6	0.002	0.6	0.000	100.0	0.021	84.0	0.018	5.5	0.001	0.5	Natural Gas	0.42
														#2 Fuel Oil	N/A
155	324	Kellogg Eye Center-5	7.6	0.002	0.6	0.000	100.0	0.021	84.0	0.018	5.5	0.001	0.5	Natural Gas	0.42
														#2 Fuel Oil	N/A
156	424	Engg Prog Bldg-1	7.6	0.022	0.6	0.002	100.0	0.292	84.0	0.245	5.5	0.016	10.4	Natural Gas	5.84
														#2 Fuel Oil	N/A
157	424	Engg Prog Bldg-2	7.6	0.022	0.6	0.002	100.0	0.292	84.0	0.245	5.5	0.016	10.4	Natural Gas	5.84
														#2 Fuel Oil	N/A
158	183	Lane Hall	7.6	0.006	0.6	0.000	100.0	0.078	84.0	0.065	5.5	0.004	2.0	Natural Gas	1.56
														#2 Fuel Oil	N/A
159	186	Pound Madelon House	7.6	0.002	0.6	0.000	100.0	0.027	84.0	0.022	5.5	0.001	0.3	Natural Gas	0.53
														#2 Fuel Oil	N/A
160	257	Church Street Parking	7.6	0.003	0.6	0.000	100.0	0.046	84.0	0.039	5.5	0.003	0.5	Natural Gas	0.92
														#2 Fuel Oil	N/A
161	445	Stearns Frederick Bldg	7.6	0.004	0.6	0.000	100.0	0.058	84.0	0.049	5.5	0.003	1.5	Natural Gas	1.16
														#2 Fuel Oil	N/A
162	710	Coliseum	7.6	0.014	0.6	0.001	100.0	0.185	84.0	0.156	5.5	0.010	1.3	Natural Gas	3.70
														#2 Fuel Oil	N/A
163	728	Elbel Field	7.6	0.001	0.6	0.000	100.0	0.016	84.0	0.013	5.5	0.001	0.2	Natural Gas	0.31
														#2 Fuel Oil	N/A
164	816	Mail Services Bldg	7.6	0.002	0.6	0.000	100.0	0.028	84.0	0.024	5.5	0.002	0.2	Natural Gas	0.57
														#2 Fuel Oil	N/A
165	834	Corner House-1	7.6	0.001	0.6	0.000	100.0	0.016	84.0	0.013	5.5	0.001	0.2	Natural Gas	0.32
														#2 Fuel Oil	N/A
166	834	Corner House-2	7.6	0.001	0.6	0.000	100.0	0.016	84.0	0.013	5.5	0.001	0.2	Natural Gas	0.32
														#2 Fuel Oil	N/A
167	836	RP Law School	7.6	0.002	0.6	0.000	100.0	0.023	84.0	0.019	5.5	0.001	0.5	Natural Gas	0.46
														#2 Fuel Oil	N/A
168	858	Madison Bldg	7.6	0.006	0.6	0.000	100.0	0.079	84.0	0.066	5.5	0.004	1.0	Natural Gas	1.58
														#2 Fuel Oil	N/A
169	861	Inglis Cottage	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.006	5.5	0.000	0.1	Natural Gas	0.15
														#2 Fuel Oil	N/A
170	861	Inglis Green House	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.006	5.5	0.000	0.1	Natural Gas	0.15
														#2 Fuel Oil	N/A

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			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
171	861	Ingليس House	7.6	0.003	0.6	0.000	100.0	0.045	84.0	0.038	5.5	0.002	0.6	Natural Gas	0.90
															#2 Fuel Oil
172	874	MP Hosp Admin Press	7.6	0.001	0.6	0.000	100.0	0.017	84.0	0.014	5.5	0.001	0.3	Natural Gas	0.34
															#2 Fuel Oil
173	875	Rdg & Lrg Skills Ctr	7.6	0.000	0.6	0.000	100.0	0.005	84.0	0.004	5.5	0.000	0.5	Natural Gas	0.09
															#2 Fuel Oil
174	886	Trotter W.M. House	7.6	0.007	0.6	0.001	100.0	0.095	84.0	0.080	5.5	0.005	1.2	Natural Gas	1.90
															#2 Fuel Oil
175	201	Hartwig Women's Ath Off	7.6	0.003	0.6	0.000	100.0	0.046	84.0	0.038	5.5	0.003	8.7	Natural Gas	0.91
															#2 Fuel Oil
176	735	Golf Course Shops	7.6	0.007	0.6	0.001	100.0	0.098	84.0	0.082	5.5	0.005	0.9	Natural Gas	1.96
															#2 Fuel Oil
177	733	Fisher Stadium	7.6	0.009	0.6	0.001	100.0	0.113	84.0	0.095	5.5	0.006	1.8	Natural Gas	2.27
															#2 Fuel Oil
178	711	Food Preparation	7.6	0.007	0.6	0.001	100.0	0.096	84.0	0.081	5.5	0.005	1.0	Natural Gas	1.93
															#2 Fuel Oil
178	711	Home Locker Room	7.6	0.004	0.6	0.000	100.0	0.048	84.0	0.040	5.5	0.003	0.5	Natural Gas	0.96
															#2 Fuel Oil
178	711	Press box	7.6	0.004	0.6	0.000	100.0	0.058	84.0	0.049	5.5	0.003	0.6	Natural Gas	1.16
															#2 Fuel Oil
178	711	Visitors Locker Room	7.6	0.004	0.6	0.000	100.0	0.048	84.0	0.040	5.5	0.003	0.5	Natural Gas	0.96
															#2 Fuel Oil
179	5	Arboretum-1	7.6	0.001	0.6	0.000	100.0	0.015	84.0	0.013	5.5	0.001	0.1	Natural Gas	0.30
															#2 Fuel Oil
180	5	Arboretum-2	7.6	0.002	0.6	0.000	100.0	0.030	84.0	0.025	5.5	0.002	0.2	Natural Gas	0.61
															#2 Fuel Oil
181	799	Buhr	7.6	0.035	0.6	0.003	100.0	0.465	84.0	0.390	5.5	0.026	0.2	Natural Gas	9.29
															#2 Fuel Oil
182	2501	Printing-Auxiliary Svcs Bldg-1	7.6	0.006	0.6	0.000	100.0	0.073	84.0	0.061	5.5	0.004	2.0	Natural Gas	1.45
															#2 Fuel Oil
183	2501	Printing-Auxiliary Svcs Bldg-2	7.6	0.001	0.6	0.000	100.0	0.015	84.0	0.012	5.5	0.001	0.4	Natural Gas	0.29
															#2 Fuel Oil
184	742	CSS Bldg-1	7.6	0.013	0.6	0.001	100.0	0.174	84.0	0.146	5.5	0.010	2.9	Natural Gas	3.47
															#2 Fuel Oil
185	742	CSS Bldg-2	7.6	0.013	0.6	0.001	100.0	0.174	84.0	0.146	5.5	0.010	2.9	Natural Gas	3.47
															#2 Fuel Oil
186	418	N.C. Service Bldg #1	7.6	0.014	0.6	0.001	100.0	0.190	84.0	0.160	5.5	0.010	0.6	Natural Gas	3.80
															#2 Fuel Oil
187	259	Thayer Street Parking	7.6	0.000	0.6	0.000	100.0	0.005	84.0	0.005	5.5	0.000	0.1	Natural Gas	0.11
															#2 Fuel Oil

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
188	8023	MP CPS-1	7.6	0.001	0.6	0.000	100.0	0.014	84.0	0.012	5.5	0.001	0.2	Natural Gas	0.28
															#2 Fuel Oil
189	8023	MP CPS-2	7.6	0.002	0.6	0.000	100.0	0.021	84.0	0.018	5.5	0.001	0.3	Natural Gas	0.42
															#2 Fuel Oil
190	510	Vera Baits I-1	7.6	0.027	0.6	0.002	100.0	0.360	84.0	0.302	5.5	0.020	12.0	Natural Gas	7.19
															#2 Fuel Oil
191	510	Vera Baits I-2	7.6	0.027	0.6	0.002	100.0	0.360	84.0	0.302	5.5	0.020	12.0	Natural Gas	7.19
															#2 Fuel Oil
192	515	Vera Baits II-1	7.6	0.023	0.6	0.002	100.0	0.306	84.0	0.257	5.5	0.017	12.0	Natural Gas	6.12
															#2 Fuel Oil
193	515	Vera Baits II-2	7.6	0.023	0.6	0.002	100.0	0.306	84.0	0.257	5.5	0.017	12.0	Natural Gas	6.12
															#2 Fuel Oil
194	51	Barbour Betsy House-1	7.6	0.000	0.6	0.000	100.0	0.004	84.0	0.003	5.5	0.000	0.7	Natural Gas	0.08
															#2 Fuel Oil
195	51	Barbour Betsy House-2	7.6	0.000	0.6	0.000	100.0	0.004	84.0	0.003	5.5	0.000	0.7	Natural Gas	0.08
															#2 Fuel Oil
196	555	Bursley Hall-1	7.6	0.045	0.6	0.004	100.0	0.597	84.0	0.502	5.5	0.033	12.0	Natural Gas	11.94
															#2 Fuel Oil
197	555	Bursley Hall-2	7.6	0.045	0.6	0.004	100.0	0.597	84.0	0.502	5.5	0.033	12.0	Natural Gas	11.94
															#2 Fuel Oil
198	555	Bursley Hall-3	7.6	0.045	0.6	0.004	100.0	0.597	84.0	0.502	5.5	0.033	12.0	Natural Gas	11.94
															#2 Fuel Oil
199	555	Bursley Hall-4	7.6	0.008	0.6	0.001	100.0	0.100	84.0	0.084	5.5	0.006	2.0	Natural Gas	2.00
															#2 Fuel Oil
200	600	NC Family Housing Comm	7.6	0.006	0.6	0.000	100.0	0.079	84.0	0.067	5.5	0.004	0.2	Natural Gas	1.59
															#2 Fuel Oil
201	55	Fletcher Hall-1	7.6	0.004	0.6	0.000	100.0	0.052	84.0	0.043	5.5	0.003	8.0	Natural Gas	1.03
															#2 Fuel Oil
202	55	Fletcher Hall-2	7.6	0.004	0.6	0.000	100.0	0.052	84.0	0.043	5.5	0.003	8.0	Natural Gas	1.03
															#2 Fuel Oil
203	396	ITIC / Media Union-1	7.6	0.099	0.6	0.008	100.0	1.307	84.0	1.098	5.5	0.072	8.4	Natural Gas	26.13
															#2 Fuel Oil
204	419	Laundry-1	7.6	0.044	0.6	0.003	100.0	0.582	84.0	0.489	5.5	0.032	8.6	Natural Gas	11.63
															#2 Fuel Oil
205	419	Laundry-2	7.6	0.044	0.6	0.003	100.0	0.582	84.0	0.489	5.5	0.032	8.6	Natural Gas	11.63
															#2 Fuel Oil
206	457	Northwood II Room 1735-1	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
															#2 Fuel Oil
207	457	Northwood II Room 1735-2	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
															#2 Fuel Oil

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
208	457	Northwood II Room 1735-3	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
														#2 Fuel Oil	N/A
209	457	Northwood II Room 1735-4	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
														#2 Fuel Oil	N/A
210	457	Northwood II Room 2204-1	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
														#2 Fuel Oil	N/A
211	457	Northwood II Room 2204-2	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
														#2 Fuel Oil	N/A
212	457	Northwood II Room 2261-1	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
														#2 Fuel Oil	N/A
213	457	Northwood II Room 2261-2	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
														#2 Fuel Oil	N/A
214	457	Northwood II Room 2356-1	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
														#2 Fuel Oil	N/A
215	457	Northwood II Room 2356-2	7.6	0.008	0.6	0.001	100.0	0.099	84.0	0.083	5.5	0.005	0.2	Natural Gas	1.98
														#2 Fuel Oil	N/A
216	498	Northwood III Room 1714-1	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.007	5.5	0.000	0.2	Natural Gas	0.17
														#2 Fuel Oil	N/A
217	498	Northwood III Room 1714-2	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.007	5.5	0.000	0.2	Natural Gas	0.17
														#2 Fuel Oil	N/A
218	498	Northwood III Room 1714-3	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.007	5.5	0.000	0.2	Natural Gas	0.17
														#2 Fuel Oil	N/A
219	498	Northwood III Room 2145-1	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.007	5.5	0.000	0.2	Natural Gas	0.17
														#2 Fuel Oil	N/A
220	498	Northwood III Room 2145-2	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.007	5.5	0.000	0.2	Natural Gas	0.17
														#2 Fuel Oil	N/A
221	498	Northwood III Room 2145-3	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.007	5.5	0.000	0.2	Natural Gas	0.17
														#2 Fuel Oil	N/A
222	498	Northwood III Room 2145-4	7.6	0.001	0.6	0.000	100.0	0.008	84.0	0.007	5.5	0.000	0.2	Natural Gas	0.17
														#2 Fuel Oil	N/A
223	498	Northwood III Room 2150-1	7.6	0.025	0.6	0.002	100.0	0.334	84.0	0.281	5.5	0.018	8.0	Natural Gas	6.69
														#2 Fuel Oil	N/A
224	498	Northwood III Room 2150-2	7.6	0.025	0.6	0.002	100.0	0.334	84.0	0.281	5.5	0.018	8.0	Natural Gas	6.69
														#2 Fuel Oil	N/A
225	498	Northwood III Room 2150-3	7.6	0.025	0.6	0.002	100.0	0.334	84.0	0.281	5.5	0.018	8.0	Natural Gas	6.69
														#2 Fuel Oil	N/A
226	450	Northwood I Room 1613-1	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
227	450	Northwood I Room 1613-2	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
228	450	Northwood I Room 1613-3	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
229	450	Northwood I Room 1613-4	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
230	450	Northwood I Room 1613-5	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
231	450	Northwood I Room 1613-6	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
232	450	Northwood I Room 1613-7	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
233	450	Northwood I Room 1666-1	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
234	450	Northwood I Room 1666-2	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
235	450	Northwood I Room 1666-3	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
236	450	Northwood I Room 1666-4	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
237	450	Northwood I Room 1666-5	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
238	450	Northwood I Room 1666-6	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
239	450	Northwood I Room 1666-7	7.6	0.003	0.6	0.000	100.0	0.035	84.0	0.030	5.5	0.002	0.2	Natural Gas	0.70
														#2 Fuel Oil	N/A
240	457	Northwood II Room 2204-3	7.6	0.004	0.6	0.000	100.0	0.050	84.0	0.042	5.5	0.003	0.1	Natural Gas	0.99
														#2 Fuel Oil	N/A
241	457	Northwood II Room 2204-4	7.6	0.004	0.6	0.000	100.0	0.050	84.0	0.042	5.5	0.003	0.1	Natural Gas	0.99
														#2 Fuel Oil	N/A
242	457	Northwood II Room 2356-3	7.6	0.004	0.6	0.000	100.0	0.050	84.0	0.042	5.5	0.003	0.1	Natural Gas	0.99
														#2 Fuel Oil	N/A
243	457	Northwood II Room 2356-4	7.6	0.004	0.6	0.000	100.0	0.050	84.0	0.042	5.5	0.003	0.1	Natural Gas	0.99
														#2 Fuel Oil	N/A
244	851	RP Observatory Lodge-1	7.6	0.007	0.6	0.001	100.0	0.094	84.0	0.079	5.5	0.005	4.0	Natural Gas	1.89
														#2 Fuel Oil	N/A
245	851	RP Observatory Lodge-2	7.6	0.007	0.6	0.001	100.0	0.094	84.0	0.079	5.5	0.005	4.0	Natural Gas	1.89
														#2 Fuel Oil	N/A
246	851	RP Observatory Lodge-3	7.6	0.000	0.6	0.000	100.0	0.002	84.0	0.002	5.5	0.000	0.1	Natural Gas	0.05
														#2 Fuel Oil	N/A

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			
247	40	Oxford Housing-1	7.6	0.015	0.6	0.001	100.0	0.202	84.0	0.169	5.5	0.011	8.0	Natural Gas	4.03
														#2 Fuel Oil	N/A
248	40	Oxford Housing-2	7.6	0.015	0.6	0.001	100.0	0.202	84.0	0.169	5.5	0.011	8.0	Natural Gas	4.03
														#2 Fuel Oil	N/A
249	40	Oxford Housing-3	7.6	0.000	0.6	0.000	100.0	0.005	84.0	0.004	5.5	0.000	0.2	Natural Gas	0.10
														#2 Fuel Oil	N/A
250	40	Oxford Housing-4	7.6	0.000	0.6	0.000	100.0	0.005	84.0	0.004	5.5	0.000	0.2	Natural Gas	0.10
														#2 Fuel Oil	N/A
251	40	Oxford Housing-5	7.6	0.000	0.6	0.000	100.0	0.005	84.0	0.004	5.5	0.000	0.2	Natural Gas	0.10
														#2 Fuel Oil	N/A
252	40	Oxford Housing-6	7.6	0.000	0.6	0.000	100.0	0.005	84.0	0.004	5.5	0.000	0.2	Natural Gas	0.10
														#2 Fuel Oil	N/A
253	326	Riverview Psy Svcs	7.6	0.003	0.6	0.000	100.0	0.036	84.0	0.030	5.5	0.002	0.7	Natural Gas	0.72
														#2 Fuel Oil	N/A
254	328	Turner Ger Svcs-1	7.6	0.006	0.6	0.000	100.0	0.079	84.0	0.067	5.5	0.004	1.5	Natural Gas	1.58
														#2 Fuel Oil	N/A
255	328	Turner Ger Svcs-2	7.6	0.006	0.6	0.000	100.0	0.079	84.0	0.067	5.5	0.004	1.5	Natural Gas	1.58
														#2 Fuel Oil	N/A
256	430	NC Storage Bldg	7.6	0.007	0.6	0.001	100.0	0.097	84.0	0.082	5.5	0.005	0.1	Natural Gas	1.94
														#2 Fuel Oil	N/A
261	709	Yost Ice Arena-1	7.6	0.023	0.6	0.002	100.0	0.301	84.0	0.253	5.5	0.017	2.1	Natural Gas	6.02
														#2 Fuel Oil	N/A
262	709	Yost Ice Arena-2	7.6	0.020	0.6	0.002	100.0	0.258	84.0	0.217	5.5	0.014	1.8	Natural Gas	5.16
														#2 Fuel Oil	N/A
263	396	ITIC / Media Union-2	7.6	0.064	0.6	0.005	100.0	0.845	84.0	0.709	5.5	0.046	8.4	Natural Gas	16.89
														#2 Fuel Oil	N/A
264	396	ITIC / Media Union-3	7.6	0.032	0.6	0.003	100.0	0.423	84.0	0.355	5.5	0.023	4.2	Natural Gas	8.45
														#2 Fuel Oil	N/A
265	396	ITIC / Media Union-4	7.6	0.003	0.6	0.000	100.0	0.040	84.0	0.034	5.5	0.002	0.4	Natural Gas	0.81
														#2 Fuel Oil	N/A
266	442	Pierpont Commons-3	7.6	0.046	0.6	0.004	100.0	0.603	84.0	0.507	5.5	0.033	0.9	Natural Gas	12.06
														#2 Fuel Oil	N/A
267	442	Pierpont Commons-4	7.6	0.010	0.6	0.001	100.0	0.134	84.0	0.113	5.5	0.007	0.2	Natural Gas	2.68
														#2 Fuel Oil	N/A
Subtotal - Boilers (Nat. Gas)			16.995		1.342		338.529		46.949		12.299				4472.45
Subtotal - Boilers (#2 Fuel Oil)			0.053		0.100		0.320		0.080		0.003				32.00
Subtotal - Boilers (TOTAL)			17.048		1.442		338.849		47.029		12.302				

AQD ID	Building#	Building	PM		SO2		NOx		CO		VOC		Capacity MMBtu/Hr	Fuel Type	1999 Fuel Usage
			E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions	E. F.	1999 Actual Emissions			

INCINERATORS

51		UMMC												Natural Gas	21.1
			4.7	6.223	2.5	3.310	3.0	3.972	10.0	13.241	3.0	3.972		Waste Thruput (tons)	2648.2
52		NCTF											1.4	Natural Gas	0.0
														Waste Thruput	0.0
53		Med Sci I											3.2	Natural Gas	0.0
														Waste Thruput	0.0
54		Med Sci II											2.7	Natural Gas	3.4
			4.7	0.046	2.5	0.024	3.0	0.029	10.0	0.098	3.0	0.029		Waste Thruput (tons)	19.5
Subtotal - Incinerators				6.269		3.335		4.002		13.339		4.002			24.5

MISCELLANEOUS GAS FIRED EQUIPMENT

502		Miscellaneous	3.0	0.466	0.6	0.093	100.0	15.542	20.0	3.108	5.3	0.824	0.1		310.8
Subtotal - Miscellaneous				0.466		0.093		15.542		3.108		0.824			310.8

GRAND TOTAL (NATURAL GAS) 4807.8

FOOTNOTES:

Unit for natural gas fuel usage is MM Ft³
Unit for #2 fuel oil usage is 1000 Gallons
Unit for natural gas emission factor is lbs/MM Ft³
Unit for #2 fuel oil emission factor is lbs/1000 Gallons
Unit for natural gas and fuel oil actual emissions is Tons Per Year (TPY)
E. F. stands for Emission Factor