Appendix F-2: Philadelphia Area Nonroad Source Daily Emissions Summary

Area Summary of Nonroad Emissions

Final SIP*

Nonroad Totals	2002 Summer Daily Weekday		
	CO	**NOx**	**VOC**
Bucks	220.905119	11.7081	17.13951
Chester	190.893394	11.75652	14.08854
Delaware	124.217651	7.960115	9.794333
Montgomery	328.983005	16.50652	22.99915
Philadelphia	186.81703	23.0191	15.04285
Totals	**1051.8162**	**70.95035**	**79.06438**

	2008 Summer Daily Weekday		
	CO	**NOx**	**VOC**
Bucks	280.872727	9.584306	13.37193
Chester	242.842738	9.691571	10.95425
Delaware	158.401129	6.996791	7.761769
Montgomery	417.470318	13.15464	17.45552
Philadelphia	235.76914	23.2393	13.29989
Totals	**1335.35605**	**62.66661**	**62.84336**

	2009 Summer Daily Weekday		
	CO	**NOx**	**VOC**
Bucks	284.721733	9.199515	12.72648
Chester	246.289004	9.333866	10.43071
Delaware	160.67049	6.825013	7.419991
Montgomery	422.904687	12.55138	16.56475
Philadelphia	239.583769	23.22427	12.97303
Totals	**1354.16968**	**61.13405**	**60.11496**

* Changes due to using emission factors for tugs consistent w/Pittsburgh tugs and corrections to 2009 growth for all CMV.

Appendix F-2: Bucks County Nonroad Source Annual Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Year	
Recreational	Diesel	VOC	0.740917	0.653722	0.632075
Recreational	Gasoline	VOC	449.765363	671.380992	654.028522
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.060715	0.053204	0.051263
Construction	Diesel	VOC	112.755445	88.416324	84.316988
Construction	Gasoline	VOC	65.353264	35.325638	32.055167
Construction	CNG	VOC	0.000162	0.000138	0.000131
Construction	LPG	VOC	1.063847	0.711524	0.626701
Industrial	Diesel	VOC	31.016177	23.297398	21.880429
Industrial	Gasoline	VOC	36.813037	16.080092	12.889036
Industrial	CNG	VOC	0.675679	0.430238	0.366031
Industrial	LPG	VOC	156.784264	103.292566	87.999095
Lawn and Garden	Diesel	VOC	16.280349	13.754920	13.166243
Lawn and Garden	Gasoline	VOC	2492.910666	1669.660889	1514.531205
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	2.247587	1.310033	1.079891
Farm	Diesel	VOC	10.450653	7.734467	7.319935
Farm	Gasoline	VOC	1.781480	1.538292	1.390164
Farm	CNG	VOC	0.003067	0.000354	0.000221
Farm	LPG	VOC	0.000957	0.000668	0.000602
Light Commercial	Diesel	VOC	42.822854	37.239323	35.775081
Light Commercial	Gasoline	VOC	566.256517	459.700376	400.522687
Light Commercial	CNG	VOC	0.501668	0.128309	0.125784
Light Commercial	LPG	VOC	10.410451	9.479254	9.010345
Logging	Diesel	VOC	0.027937	0.018709	0.017308
Logging	Gasoline	VOC	0.195860	0.110229	0.109625
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.002791	0.002305	0.002222
Airport Service	Gasoline	VOC	0.000777	0.000466	0.000391
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000233	0.000153	0.000128
Railway Maintenance	Diesel	VOC	0.048123	0.043871	0.042574
Railway Maintenance	Gasoline	VOC	0.014620	0.011476	0.009939
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000166	0.000132	0.000122
Recreational Marine Vessels	Diesel	VOC	0.827834	0.898446	0.897917
Recreational Marine Vessels	Gasoline	VOC	654.821515	501.719740	469.637718
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	10.245183	10.533072	10.631426
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	12.469300	12.924430	13.010470
Marine Vessels	Residual Oil	VOC	4.044602	4.899560	5.042001
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	13.629744	13.449832	13.380320
Bucks County VOC Totals			**4695.023807**	**3684.801143**	**3390.549756**

Appendix F-2: Bucks County Nonroad Source Annual Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Year	
Recreational	Diesel	NOx	2.317360	2.338795	2.323979
Recreational	Gasoline	NOx	15.751164	15.940691	20.482529
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.224098	0.194033	0.186567
Construction	Diesel	NOx	975.757457	848.401865	819.510015
Construction	Gasoline	NOx	10.016298	5.746068	6.703656
Construction	CNG	NOx	0.010199	0.008513	0.008039
Construction	LPG	NOx	3.901540	2.543882	2.246223
Industrial	Diesel	NOx	281.005891	252.161380	242.745055
Industrial	Gasoline	NOx	36.208784	13.203714	13.521912
Industrial	CNG	NOx	41.959058	25.818512	21.972219
Industrial	LPG	NOx	575.014921	365.760646	311.668884
Lawn and Garden	Diesel	NOx	109.051548	116.910225	116.911125
Lawn and Garden	Gasoline	NOx	332.264360	218.252909	260.261979
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	8.217545	4.623830	3.822798
Farm	Diesel	NOx	85.890650	77.044204	75.040958
Farm	Gasoline	NOx	0.967584	0.645226	0.749827
Farm	CNG	NOx	0.182051	0.020388	0.012699
Farm	LPG	NOx	0.003506	0.002398	0.002164
Light Commercial	Diesel	NOx	244.675536	252.730818	250.733375
Light Commercial	Gasoline	NOx	141.587436	102.922662	123.323573
Light Commercial	CNG	NOx	31.723782	10.896959	10.681271
Light Commercial	LPG	NOx	48.068148	43.430415	41.303239
Logging	Diesel	NOx	0.384191	0.249758	0.227353
Logging	Gasoline	NOx	0.010355	0.008494	0.010677
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.033099	0.030730	0.030018
Airport Service	Gasoline	NOx	0.000788	0.000374	0.000391
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000856	0.000541	0.000453
Railway Maintenance	Diesel	NOx	0.248080	0.242677	0.239067
Railway Maintenance	Gasoline	NOx	0.005458	0.003369	0.004045
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.000613	0.000476	0.000439
Recreational Marine Vessels	Diesel	NOx	21.666336	24.228247	24.403151
Recreational Marine Vessels	Gasoline	NOx	35.720904	37.914668	51.136887
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	7.814581	8.034171	8.109191
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	160.154700	162.989400	163.694100
Marine Vessels	Residual Oil	NOx	31.368420	36.394230	37.231180
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	315.346664	240.483366	238.402078
Bucks County NOx Totals			**3517.553961**	**2870.178634**	**2847.701115**

Appendix F-2: Bucks County Nonroad Source Annual Emissions by Category

				Tons/Year	
Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	2.757168	2.484804	2.413233
Recreational	Gasoline	CO	1727.070553	2695.751579	2430.710545
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.896572	0.859370	0.833643
Construction	Diesel	CO	545.998835	446.320803	438.360656
Construction	Gasoline	CO	817.417112	933.061765	815.016225
Construction	CNG	CO	0.040642	0.039919	0.038280
Construction	LPG	CO	15.743227	13.785005	12.437582
Industrial	Diesel	CO	131.718911	124.033760	124.951618
Industrial	Gasoline	CO	905.908032	628.370059	491.461632
Industrial	CNG	CO	169.757906	147.289892	131.627417
Industrial	LPG	CO	2320.121383	2088.847252	1873.319368
Lawn and Garden	Diesel	CO	57.097921	54.434561	53.730289
Lawn and Garden	Gasoline	CO	33290.610476	42495.755395	37810.743845
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	33.294401	27.715919	24.192122
Farm	Diesel	CO	49.995054	40.111213	38.610866
Farm	Gasoline	CO	39.232221	45.467630	39.706377
Farm	CNG	CO	0.781829	0.091524	0.057096
Farm	LPG	CO	0.014175	0.011926	0.010985
Light Commercial	Diesel	CO	155.918493	149.004282	146.850014
Light Commercial	Gasoline	CO	13425.414681	18739.610047	16872.114957
Light Commercial	CNG	CO	125.240719	39.208287	39.018326
Light Commercial	LPG	CO	140.791796	161.092468	156.072402
Logging	Diesel	CO	0.132176	0.090341	0.088868
Logging	Gasoline	CO	1.286637	1.689714	1.529193
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.015341	0.013412	0.013309
Airport Service	Gasoline	CO	0.019008	0.018769	0.015628
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.003446	0.003238	0.002878
Railway Maintenance	Diesel	CO	0.204870	0.185944	0.181607
Railway Maintenance	Gasoline	CO	0.503602	0.645288	0.571323
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.002451	0.002342	0.002209
Recreational Marine Vessels	Diesel	CO	3.472804	4.029312	4.121363
Recreational Marine Vessels	Gasoline	CO	1464.381965	1497.895450	1279.018017
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	485.035289	498.664780	503.321119
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	21.483510	22.669390	22.873490
Marine Vessels	Residual Oil	CO	3.709636	4.501894	4.634078
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	34.728692	38.198884	38.810066
Bucks County CO Totals			**55970.801536**	**70901.956217**	**63357.460626**

Appendix F-2: Chester County Nonroad Source Annual Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Year	
Recreational	Diesel	VOC	0.740917	0.653722	0.632075
Recreational	Gasoline	VOC	465.130350	685.308046	667.141547
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.060715	0.053204	0.051263
Construction	Diesel	VOC	162.493295	127.417880	121.510277
Construction	Gasoline	VOC	94.181412	50.908222	46.195104
Construction	CNG	VOC	0.000234	0.000199	0.000189
Construction	LPG	VOC	1.533123	1.025386	0.903147
Industrial	Diesel	VOC	20.180982	15.020582	14.104629
Industrial	Gasoline	VOC	21.963014	9.557001	7.651813
Industrial	CNG	VOC	0.401985	0.257309	0.218986
Industrial	LPG	VOC	93.856272	61.834366	52.679183
Lawn and Garden	Diesel	VOC	15.322681	12.945807	12.391758
Lawn and Garden	Gasoline	VOC	2209.468762	1461.202664	1323.289875
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	2.115376	1.232972	1.016368
Farm	Diesel	VOC	21.261552	15.735551	14.892197
Farm	Gasoline	VOC	3.624370	3.129610	2.828248
Farm	CNG	VOC	0.006240	0.000721	0.000449
Farm	LPG	VOC	0.001948	0.001359	0.001225
Light Commercial	Diesel	VOC	29.868043	25.973647	24.952369
Light Commercial	Gasoline	VOC	394.952040	320.631367	279.356171
Light Commercial	CNG	VOC	0.349903	0.089493	0.087732
Light Commercial	LPG	VOC	7.261072	6.611581	6.284527
Logging	Diesel	VOC	0.211164	0.141410	0.130824
Logging	Gasoline	VOC	1.480410	0.833171	0.828603
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.012324	0.010180	0.009814
Airport Service	Gasoline	VOC	0.003430	0.002058	0.001725
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.001029	0.000675	0.000564
Railway Maintenance	Diesel	VOC	0.234694	0.213955	0.207633
Railway Maintenance	Gasoline	VOC	0.071301	0.055969	0.048473
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000808	0.000645	0.000597
Recreational Marine Vessels	Diesel	VOC	0.217851	0.236433	0.236294
Recreational Marine Vessels	Gasoline	VOC	172.321448	132.031504	123.588869
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	9.148550	9.405624	9.493450
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	VOC	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	17.936394	17.699634	17.608158
Chester County VOC Totals			**3746.413691**	**2960.221948**	**2728.344134**

Appendix F-2: Chester County Nonroad Source Annual Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Year	
Recreational	Diesel	NOx	2.317360	2.338795	2.323979
Recreational	Gasoline	NOx	21.399997	19.806230	25.271693
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.224098	0.194033	0.186567
Construction	Diesel	NOx	1406.176385	1222.642639	1181.006234
Construction	Gasoline	NOx	14.434614	8.280731	9.660723
Construction	CNG	NOx	0.014698	0.012268	0.011585
Construction	LPG	NOx	5.622559	3.666020	3.237060
Industrial	Diesel	NOx	179.955711	162.377051	156.502855
Industrial	Gasoline	NOx	21.640859	7.879141	8.063537
Industrial	CNG	NOx	24.968959	15.438787	13.141225
Industrial	LPG	NOx	344.223054	218.956483	186.575355
Lawn and Garden	Diesel	NOx	102.636747	110.033153	110.033996
Lawn and Garden	Gasoline	NOx	297.060742	193.709801	230.853263
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	7.734160	4.351840	3.597928
Farm	Diesel	NOx	174.742050	156.744210	152.668661
Farm	Gasoline	NOx	1.968521	1.312693	1.525501
Farm	CNG	NOx	0.370377	0.041479	0.025835
Farm	LPG	NOx	0.007133	0.004880	0.004402
Light Commercial	Diesel	NOx	170.656055	176.274447	174.881276
Light Commercial	Gasoline	NOx	98.754266	71.786397	86.015605
Light Commercial	CNG	NOx	22.126672	7.600400	7.449963
Light Commercial	LPG	NOx	33.526526	30.291804	28.808143
Logging	Diesel	NOx	2.903920	1.887804	1.718452
Logging	Gasoline	NOx	0.078266	0.064199	0.080702
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.146153	0.135695	0.132549
Airport Service	Gasoline	NOx	0.003480	0.001652	0.001727
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.003781	0.002389	0.002002
Railway Maintenance	Diesel	NOx	1.209876	1.183522	1.165919
Railway Maintenance	Gasoline	NOx	0.026620	0.016431	0.019727
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.002989	0.002323	0.002142
Recreational Marine Vessels	Diesel	NOx	5.701667	6.375855	6.421882
Recreational Marine Vessels	Gasoline	NOx	9.400238	9.977544	13.457075
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	10.773394	11.076127	11.179551
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	NOx	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	414.988127	316.469946	313.731024
Chester County NOx Totals			**3375.800053**	**2760.936770**	**2729.758136**

Appendix F-2: Chester County Nonroad Source Annual Emissions by Category

				Tons/Year	
Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	2.757168	2.484804	2.413233
Recreational	Gasoline	CO	2483.932633	3637.060599	3261.289155
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.896572	0.859370	0.833643
Construction	Diesel	CO	786.845816	643.198551	631.727079
Construction	Gasoline	CO	1177.990126	1344.647120	1174.530205
Construction	CNG	CO	0.058570	0.057528	0.055166
Construction	LPG	CO	22.687764	19.865745	17.923956
Industrial	Diesel	CO	84.997422	79.882041	80.526028
Industrial	Gasoline	CO	537.343901	369.991718	288.750476
Industrial	CNG	CO	100.986824	87.998570	78.702202
Industrial	LPG	CO	1388.901786	1250.453366	1121.431255
Lawn and Garden	Diesel	CO	53.739218	51.232526	50.569683
Lawn and Garden	Gasoline	CO	29638.245643	37794.572123	33618.477147
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	31.335904	26.085571	22.769055
Farm	Diesel	CO	101.713492	81.605106	78.552690
Farm	Gasoline	CO	79.816818	92.502582	80.781476
Farm	CNG	CO	1.590609	0.186203	0.116160
Farm	LPG	CO	0.028839	0.024264	0.022348
Light Commercial	Diesel	CO	108.749878	103.927362	102.424807
Light Commercial	Gasoline	CO	9363.945215	13070.484801	11767.946462
Light Commercial	CNG	CO	87.352774	27.346958	27.214464
Light Commercial	LPG	CO	98.199327	112.358618	108.857229
Logging	Diesel	CO	0.999056	0.682843	0.671714
Logging	Gasoline	CO	9.725088	12.771762	11.558456
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.067740	0.059223	0.058769
Airport Service	Gasoline	CO	0.083934	0.082878	0.069008
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.015215	0.014296	0.012707
Railway Maintenance	Diesel	CO	0.999140	0.906838	0.885688
Railway Maintenance	Gasoline	CO	2.456041	3.147038	2.786315
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.011953	0.011422	0.010774
Recreational Marine Vessels	Diesel	CO	0.913896	1.060345	1.084569
Recreational Marine Vessels	Gasoline	CO	385.363668	394.183013	336.583673
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	422.760479	434.640048	438.698549
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	CO	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	45.702069	50.268752	51.073052
Chester County CO Totals			**47021.214577**	**59694.653983**	**53359.407191**

Appendix F-2: Delaware County Nonroad Source Annual Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons / Year	
Recreational	Diesel	VOC	0.370459	0.326861	0.316037
Recreational	Gasoline	VOC	231.028676	341.261318	332.259466
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.030358	0.026602	0.025631
Construction	Diesel	VOC	55.756751	43.721231	41.694140
Construction	Gasoline	VOC	32.316715	17.468272	15.851047
Construction	CNG	VOC	0.000080	0.000068	0.000065
Construction	LPG	VOC	0.526064	0.351843	0.309899
Industrial	Diesel	VOC	20.676659	15.136599	14.208101
Industrial	Gasoline	VOC	19.131664	8.339446	6.680856
Industrial	CNG	VOC	0.349983	0.223625	0.190287
Industrial	LPG	VOC	81.471040	53.674727	45.727661
Lawn and Garden	Diesel	VOC	8.382281	7.082011	6.778919
Lawn and Garden	Gasoline	VOC	1552.847966	1077.225829	981.526248
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	1.157218	0.674498	0.556005
Farm	Diesel	VOC	0.116808	0.086449	0.081816
Farm	Gasoline	VOC	0.019912	0.017194	0.015538
Farm	CNG	VOC	0.000034	0.000004	0.000002
Farm	LPG	VOC	0.000011	0.000007	0.000007
Light Commercial	Diesel	VOC	21.351452	18.567506	17.837436
Light Commercial	Gasoline	VOC	282.335196	229.206361	199.700398
Light Commercial	CNG	VOC	0.250132	0.063975	0.062716
Light Commercial	LPG	VOC	5.190645	4.726351	4.492553
Logging	Diesel	VOC	0.008383	0.005614	0.005194
Logging	Gasoline	VOC	0.058773	0.033077	0.032896
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.000000	0.000000	0.000000
Airport Service	Gasoline	VOC	0.000000	0.000000	0.000000
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	VOC	0.094078	0.085764	0.083230
Railway Maintenance	Gasoline	VOC	0.028581	0.022435	0.019431
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000324	0.000259	0.000239
Recreational Marine Vessels	Diesel	VOC	0.370347	0.401936	0.401700
Recreational Marine Vessels	Gasoline	VOC	292.946462	224.453559	210.101077
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	0.000000	0.000000	0.000000
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	46.396900	48.090390	48.410530
Marine Vessels	Residual Oil	VOC	29.204830	35.378220	36.406740
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	7.270511	7.174541	7.137461
Delaware County VOC Totals			**2689.689291**	**2133.826575**	**1970.913324**

Appendix F-2: Delaware County Nonroad Source Annual Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons / Year	
Recreational	Diesel	NOx	1.158680	1.169398	1.161989
Recreational	Gasoline	NOx	10.135115	9.516561	12.156930
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.112049	0.097016	0.093283
Construction	Diesel	NOx	482.504995	419.528580	405.241770
Construction	Gasoline	NOx	4.952987	2.841389	3.314909
Construction	CNG	NOx	0.005044	0.004209	0.003975
Construction	LPG	NOx	1.929283	1.257931	1.110741
Industrial	Diesel	NOx	179.562580	163.489276	157.895285
Industrial	Gasoline	NOx	18.812682	6.853353	7.015995
Industrial	CNG	NOx	21.737168	13.418327	11.420145
Industrial	LPG	NOx	298.799527	190.063074	161.954951
Lawn and Garden	Diesel	NOx	56.147493	60.193700	60.194161
Lawn and Garden	Gasoline	NOx	201.766128	135.322259	161.648739
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	4.230976	2.380677	1.968249
Farm	Diesel	NOx	0.960008	0.861130	0.838740
Farm	Gasoline	NOx	0.010815	0.007212	0.008381
Farm	CNG	NOx	0.002035	0.000228	0.000142
Farm	LPG	NOx	0.000039	0.000027	0.000024
Light Commercial	Diesel	NOx	121.995091	126.011450	125.015527
Light Commercial	Gasoline	NOx	70.595419	51.317183	61.489067
Light Commercial	CNG	NOx	15.817461	5.433218	5.325676
Light Commercial	LPG	NOx	23.966753	21.654382	20.593773
Logging	Diesel	NOx	0.115287	0.074946	0.068223
Logging	Gasoline	NOx	0.003107	0.002549	0.003204
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.000000	0.000000	0.000000
Airport Service	Gasoline	NOx	0.000000	0.000000	0.000000
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	NOx	0.484982	0.474418	0.467362
Railway Maintenance	Gasoline	NOx	0.010671	0.006586	0.007908
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.001198	0.000931	0.000859
Recreational Marine Vessels	Diesel	NOx	9.692835	10.838952	10.917199
Recreational Marine Vessels	Gasoline	NOx	15.980404	16.961825	22.877028
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	0.000000	0.000000	0.000000
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	595.918100	606.465900	609.087900
Marine Vessels	Residual Oil	NOx	254.021400	294.720400	301.497900
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	168.215300	128.280988	127.170767
Delaware County NOx Totals			**2559.645611**	**2269.248075**	**2270.550802**

Appendix F-2: Delaware County Nonroad Source Annual Emissions by Category

			Tons / Year		
Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	1.378584	1.242402	1.206616
Recreational	Gasoline	CO	1166.280089	1724.399393	1547.586717
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.448286	0.429685	0.416821
Construction	Diesel	CO	269.992469	220.702404	216.766171
Construction	Gasoline	CO	404.206847	461.392293	403.019628
Construction	CNG	CO	0.020097	0.019740	0.018929
Construction	LPG	CO	7.784912	6.816585	6.150294
Industrial	Diesel	CO	85.836891	80.295869	81.021583
Industrial	Gasoline	CO	469.678936	324.421634	253.404710
Industrial	CNG	CO	87.924959	76.510420	68.408418
Industrial	LPG	CO	1205.622876	1085.444067	973.447677
Lawn and Garden	Diesel	CO	29.398071	28.026783	27.664175
Lawn and Garden	Gasoline	CO	20463.700643	26198.332132	23328.409363
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	17.142325	14.270126	12.455826
Farm	Diesel	CO	0.558799	0.448327	0.431557
Farm	Gasoline	CO	0.438502	0.508196	0.443802
Farm	CNG	CO	0.008739	0.001023	0.000638
Farm	LPG	CO	0.000158	0.000133	0.000123
Light Commercial	Diesel	CO	77.740876	74.293455	73.219339
Light Commercial	Gasoline	CO	6693.904598	9343.559686	8412.427593
Light Commercial	CNG	CO	62.444956	19.549231	19.454517
Light Commercial	LPG	CO	70.198716	80.320618	77.817617
Logging	Diesel	CO	0.039663	0.027109	0.026667
Logging	Gasoline	CO	0.386089	0.507043	0.458875
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.000000	0.000000	0.000000
Airport Service	Gasoline	CO	0.000000	0.000000	0.000000
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	CO	0.400508	0.363509	0.355030
Railway Maintenance	Gasoline	CO	0.984511	1.261499	1.116902
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.004792	0.004579	0.004319
Recreational Marine Vessels	Diesel	CO	1.553623	1.802587	1.843767
Recreational Marine Vessels	Gasoline	CO	655.118233	670.111120	572.192236
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	0.000000	0.000000	0.000000
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	79.937800	84.350370	85.109780
Marine Vessels	Residual Oil	CO	29.668780	36.005060	37.062240
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	18.525318	20.376422	20.702445
Delaware County CO Totals			**31901.330646**	**40555.793501**	**36222.644376**

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Year	
Recreational	Diesel	VOC	0.987890	0.871630	0.842766
Recreational	Gasoline	VOC	636.563124	928.599586	903.509301
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.080953	0.070938	0.068350
Construction	Diesel	VOC	168.806320	132.368192	126.231071
Construction	Gasoline	VOC	97.840453	52.886057	47.989831
Construction	CNG	VOC	0.000243	0.000207	0.000196
Construction	LPG	VOC	1.592686	1.065223	0.938235
Industrial	Diesel	VOC	46.248993	35.085616	32.955873
Industrial	Gasoline	VOC	60.344458	26.597590	21.376505
Industrial	CNG	VOC	1.113916	0.700721	0.595638
Industrial	LPG	VOC	254.657913	167.773658	142.933132
Lawn and Garden	Diesel	VOC	26.244395	22.173332	21.224367
Lawn and Garden	Gasoline	VOC	3806.022761	2520.505210	2283.067734
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	3.623176	2.111812	1.740816
Farm	Diesel	VOC	5.324895	3.940924	3.729708
Farm	Gasoline	VOC	0.907713	0.783802	0.708327
Farm	CNG	VOC	0.001563	0.000181	0.000112
Farm	LPG	VOC	0.000488	0.000340	0.000307
Light Commercial	Diesel	VOC	54.068353	47.018558	45.169799
Light Commercial	Gasoline	VOC	714.958359	580.420035	505.701985
Light Commercial	CNG	VOC	0.633409	0.162003	0.158815
Light Commercial	LPG	VOC	13.144289	11.968555	11.376508
Logging	Diesel	VOC	0.050300	0.033684	0.031163
Logging	Gasoline	VOC	0.352638	0.198464	0.197376
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.009730	0.008037	0.007748
Airport Service	Gasoline	VOC	0.002708	0.001625	0.001362
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000812	0.000533	0.000445
Railway Maintenance	Diesel	VOC	0.185660	0.169254	0.164253
Railway Maintenance	Gasoline	VOC	0.056404	0.044275	0.038346
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000640	0.000511	0.000472
Recreational Marine Vessels	Diesel	VOC	0.239636	0.260077	0.259923
Recreational Marine Vessels	Gasoline	VOC	189.553590	145.234653	135.947754
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	9.141467	9.397428	9.485186
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	VOC	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	23.952661	23.636486	23.514328
Montgomery County VOC Totals			**6116.712596**	**4714.089198**	**4319.967732**

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by Category

Tons/Year

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	NOx	3.089814	3.118394	3.098639
Recreational	Gasoline	NOx	34.558752	30.531549	38.804031
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.298798	0.258710	0.248756
Construction	Diesel	NOx	1460.807752	1270.143525	1226.889506
Construction	Gasoline	NOx	14.995413	8.602446	10.036052
Construction	CNG	NOx	0.015270	0.012744	0.012035
Construction	LPG	NOx	5.841001	3.808449	3.362823
Industrial	Diesel	NOx	427.036959	380.636171	365.897215
Industrial	Gasoline	NOx	59.064040	21.616860	22.173810
Industrial	CNG	NOx	69.134794	42.064415	35.781499
Industrial	LPG	NOx	933.971933	594.089219	506.230304
Lawn and Garden	Diesel	NOx	175.794267	188.462683	188.464130
Lawn and Garden	Gasoline	NOx	511.203809	333.583698	397.572084
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	13.246921	7.453749	6.162463
Farm	Diesel	NOx	43.763650	39.256141	38.235433
Farm	Gasoline	NOx	0.493011	0.328760	0.382057
Farm	CNG	NOx	0.092760	0.010388	0.006470
Farm	LPG	NOx	0.001786	0.001222	0.001102
Light Commercial	Diesel	NOx	308.928573	319.099209	316.577234
Light Commercial	Gasoline	NOx	178.769018	129.950676	155.708970
Light Commercial	CNG	NOx	40.054608	13.758555	13.486227
Light Commercial	LPG	NOx	60.691089	54.835464	52.149680
Logging	Diesel	NOx	0.691722	0.449680	0.409340
Logging	Gasoline	NOx	0.018643	0.015292	0.019223
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.115390	0.107134	0.104650
Airport Service	Gasoline	NOx	0.002748	0.001304	0.001364
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.002986	0.001886	0.001580
Railway Maintenance	Diesel	NOx	0.957099	0.936252	0.922326
Railway Maintenance	Gasoline	NOx	0.021058	0.012998	0.015605
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.002364	0.001838	0.001694
Recreational Marine Vessels	Diesel	NOx	6.271834	7.013440	7.064071
Recreational Marine Vessels	Gasoline	NOx	10.340262	10.975299	14.802783
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	11.582698	11.907014	12.012080
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	NOx	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	554.184418	422.621037	418.963420
Montgomery County NOx Totals			**4926.045239**	**3895.666202**	**3835.598656**

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by Category

Tons/Year

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	3.676225	3.313072	3.217644
Recreational	Gasoline	CO	4119.229565	5853.477071	5234.335925
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	1.195429	1.145826	1.111524
Construction	Diesel	CO	817.415555	668.187457	656.270307
Construction	Gasoline	CO	1223.756216	1396.888000	1220.161861
Construction	CNG	CO	0.060845	0.059763	0.057309
Construction	LPG	CO	23.569205	20.637549	18.620320
Industrial	Diesel	CO	198.259768	186.937092	188.155033
Industrial	Gasoline	CO	1506.057875	1062.381528	834.958673
Industrial	CNG	CO	279.911851	240.468740	214.506017
Industrial	LPG	CO	3768.473049	3392.824474	3042.751815
Lawn and Garden	Diesel	CO	92.043509	87.750094	86.614788
Lawn and Garden	Gasoline	CO	51025.466634	65073.772944	57884.986595
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	53.671542	44.678866	38.998405
Farm	Diesel	CO	25.473855	20.437767	19.673298
Farm	Gasoline	CO	19.989895	23.167008	20.231492
Farm	CNG	CO	0.398364	0.046634	0.029092
Farm	LPG	CO	0.007223	0.006077	0.005597
Light Commercial	Diesel	CO	196.863482	188.133566	185.413578
Light Commercial	Gasoline	CO	16950.996893	23660.727127	21302.818188
Light Commercial	CNG	CO	158.129571	49.504583	49.264738
Light Commercial	LPG	CO	177.764439	203.396169	197.057813
Logging	Diesel	CO	0.237978	0.162655	0.160004
Logging	Gasoline	CO	2.316544	3.042271	2.753258
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.053482	0.046758	0.046400
Airport Service	Gasoline	CO	0.066267	0.065434	0.054483
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.012012	0.011287	0.010032
Railway Maintenance	Diesel	CO	0.790392	0.717375	0.700643
Railway Maintenance	Gasoline	CO	1.942905	2.489534	2.204176
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.009456	0.009036	0.008523
Recreational Marine Vessels	Diesel	CO	1.005285	1.166380	1.193026
Recreational Marine Vessels	Gasoline	CO	423.900031	433.601308	370.242037
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	323.551473	332.610914	335.717008
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	CO	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	61.031564	67.130015	38.810066
Montgomery County CO Totals			**81457.328380**	**103018.994373**	**91951.139664**

Appendix F-2: Philadelphia County Nonroad Source Annual Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Year	
Recreational	Diesel	VOC	0.246972	0.217907	0.210692
Recreational	Gasoline	VOC	159.140779	232.149896	225.877324
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.020238	0.017735	0.017088
Construction	Diesel	VOC	177.425716	139.127025	132.676540
Construction	Gasoline	VOC	102.836273	55.586465	50.440231
Construction	CNG	VOC	0.000256	0.000218	0.000206
Construction	LPG	VOC	1.674010	1.119615	0.986142
Industrial	Diesel	VOC	49.363429	35.703957	33.505571
Industrial	Gasoline	VOC	39.574788	17.175206	13.741871
Industrial	CNG	VOC	0.721098	0.463647	0.394683
Industrial	LPG	VOC	169.047689	111.371953	94.882250
Lawn and Garden	Diesel	VOC	3.744588	3.163723	3.028323
Lawn and Garden	Gasoline	VOC	2053.556201	1583.644437	1461.725997
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	0.516960	0.301316	0.248382
Farm	Diesel	VOC	0.095703	0.070829	0.067033
Farm	Gasoline	VOC	0.016314	0.014087	0.012731
Farm	CNG	VOC	0.000028	0.000003	0.000002
Farm	LPG	VOC	0.000009	0.000006	0.000006
Light Commercial	Diesel	VOC	38.924415	33.849188	32.518247
Light Commercial	Gasoline	VOC	514.706556	417.850902	364.060541
Light Commercial	CNG	VOC	0.455998	0.116628	0.114333
Light Commercial	LPG	VOC	9.462721	8.616297	8.190076
Logging	Diesel	VOC	0.004235	0.002836	0.002624
Logging	Gasoline	VOC	0.029692	0.016711	0.016619
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	168.262176	199.510488	204.718540
Airport Service	Gasoline	VOC	0.000000	0.000000	0.000000
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	VOC	0.143459	0.130781	0.126917
Railway Maintenance	Gasoline	VOC	0.043583	0.034211	0.029629
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000494	0.000394	0.000365
Recreational Marine Vessels	Diesel	VOC	0.435702	0.472866	0.472588
Recreational Marine Vessels	Gasoline	VOC	344.642894	264.063012	247.177738
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	381.824886	563.834909	594.184592
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	57.442370	59.539020	59.935370
Marine Vessels	Residual Oil	VOC	44.136790	53.466520	55.020920
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	22.400115	22.104433	21.990192
Philadelphia County VOC Totals			**4340.897140**	**3803.737223**	**3606.374363**

Appendix F-2: Philadelphia County Nonroad Source Annual Emissions by Category

Tons/Year

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	NOx	0.772453	0.779598	0.774660
Recreational	Gasoline	NOx	8.639688	7.632887	9.701008
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.074699	0.064678	0.062189
Construction	Diesel	NOx	1535.397855	1334.998155	1289.535544
Construction	Gasoline	NOx	15.761092	9.041694	10.548502
Construction	CNG	NOx	0.016049	0.013395	0.012649
Construction	LPG	NOx	6.139247	4.002912	3.534531
Industrial	Diesel	NOx	419.884148	385.116956	372.534562
Industrial	Gasoline	NOx	38.974737	14.172132	14.497222
Industrial	CNG	NOx	44.799965	27.815562	23.678124
Industrial	LPG	NOx	619.991712	394.369886	336.047135
Lawn and Garden	Diesel	NOx	25.082576	26.890124	26.890330
Lawn and Garden	Gasoline	NOx	244.121007	175.649182	211.003662
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	1.890090	1.063512	0.879269
Farm	Diesel	NOx	0.786554	0.705541	0.687196
Farm	Gasoline	NOx	0.008861	0.005909	0.006867
Farm	CNG	NOx	0.001667	0.000187	0.000116
Farm	LPG	NOx	0.000032	0.000022	0.000020
Light Commercial	Diesel	NOx	222.401154	229.723112	227.907511
Light Commercial	Gasoline	NOx	128.697825	93.552952	112.096638
Light Commercial	CNG	NOx	28.835763	9.904939	9.708887
Light Commercial	LPG	NOx	43.692197	39.476667	37.543141
Logging	Diesel	NOx	0.058243	0.037863	0.034467
Logging	Gasoline	NOx	0.001570	0.001288	0.001619
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	267.321262	262.284545	261.445092
Airport Service	Gasoline	NOx	0.000000	0.000000	0.000000
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	NOx	0.739545	0.723436	0.712676
Railway Maintenance	Gasoline	NOx	0.016272	0.010044	0.012058
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.001827	0.001420	0.001309
Recreational Marine Vessels	Diesel	NOx	11.403335	12.751709	12.843764
Recreational Marine Vessels	Gasoline	NOx	18.800476	19.955088	26.914151
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	1952.616454	2621.447265	2733.007540
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	734.578400	747.580400	750.812600
Marine Vessels	Residual Oil	NOx	350.276700	406.397700	415.743500
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	518.263682	395.227884	391.807344
Philadelphia County NOx Totals			**7240.047137**	**7221.398642**	**7280.985883**

Appendix F-2: Philadelphia County Nonroad Source Annual Emissions by Category

Tons/Year

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	0.919056	0.828268	0.804411
Recreational	Gasoline	CO	1029.807396	1463.369279	1308.583990
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.298857	0.286457	0.277881
Construction	Diesel	CO	859.153510	702.305678	689.780032
Construction	Gasoline	CO	1286.242273	1468.214289	1282.464371
Construction	CNG	CO	0.063952	0.062815	0.060236
Construction	LPG	CO	24.772670	21.691320	19.571090
Industrial	Diesel	CO	202.733875	189.098628	190.967720
Industrial	Gasoline	CO	965.405223	661.131799	515.074251
Industrial	CNG	CO	181.141539	158.442338	141.794407
Industrial	LPG	CO	2501.597661	2252.233650	2019.847504
Lawn and Garden	Diesel	CO	13.132899	12.520308	12.358321
Lawn and Garden	Gasoline	CO	25834.830761	33394.760667	29813.257819
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	7.657932	6.374844	5.564348
Farm	Diesel	CO	0.457836	0.367323	0.353584
Farm	Gasoline	CO	0.359274	0.416375	0.363616
Farm	CNG	CO	0.007160	0.000838	0.000523
Farm	LPG	CO	0.000130	0.000109	0.000101
Light Commercial	Diesel	CO	141.724231	135.439466	133.481317
Light Commercial	Gasoline	CO	12203.213116	17033.623348	15336.138157
Light Commercial	CNG	CO	113.839255	35.638906	35.466238
Light Commercial	LPG	CO	127.974619	146.427188	141.864135
Logging	Diesel	CO	0.020038	0.013696	0.013472
Logging	Gasoline	CO	0.195054	0.256161	0.231826
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	4342.565444	5212.683863	5357.703600
Airport Service	Gasoline	CO	0.000000	0.000000	0.000000
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	CO	0.610731	0.554311	0.541383
Railway Maintenance	Gasoline	CO	1.501272	1.923649	1.703154
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.007307	0.006982	0.006585
Recreational Marine Vessels	Diesel	CO	1.827792	2.120690	2.169138
Recreational Marine Vessels	Gasoline	CO	770.727342	788.366024	673.167350
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	3806.114656	4970.587197	5164.765968
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	106.772400	112.666200	113.680600
Marine Vessels	Residual Oil	CO	41.316140	50.139920	51.612120
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	57.075663	62.778829	63.783290
Philadelphia County CO Totals			**54624.067064**	**68885.331415**	**63077.452540**

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.591413	0.742997	1.125614
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.597989	1.020369	1.562054
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.884676	0.502933	0.675497
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.187871	0.076991	0.097995
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.002751	0.004658	0.006409
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.003330	0.005577	0.007673
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000028	0.000041	0.000057
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.450097	0.183273	0.252140
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000742	0.001097	0.001509
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.003326	0.003196	0.004052
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000265	0.000255	0.000323
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.015605	0.026193	0.038787
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.120745	0.224000	0.325210
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.203538	0.386571	0.560834
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	5.505104	2.648139	3.700728
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.312343	0.543849	0.787329
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	1.645392	2.342573	3.255572
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.185881	0.346936	0.503070
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	2.619867	2.233697	3.036004
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.045495	0.037338	0.052179
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.188184	0.154444	0.215833
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000510	0.001001	0.001404
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000669	0.001170	0.001643
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.046352	0.092896	0.130957
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.368409	0.632365	0.891436
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000146	0.000246	0.000347
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.002238	0.003815	0.005378
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.002654	0.001186	0.001678
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.835877	0.971167	1.236722
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	7.546040	8.957665	11.249640
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	4.519067	3.092431	3.831331
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.776101	0.653128	0.801671
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.343801	0.190884	0.222023
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.001910	0.001138	0.001374
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.408386	0.250540	0.273861
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.589053	0.307151	0.356298
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.857647	0.528217	0.617440
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.356428	0.209435	0.252979
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.016729	0.009559	0.011459
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	1.037696	0.571237	0.661961
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.326061	0.216057	0.239958
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	1.764866	0.994502	1.188846
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.666236	0.496017	0.579308
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.170831	0.105277	0.120832

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.115356	0.069452	0.083108
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.294421	0.160283	0.176277
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.728499	0.337584	0.349554
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.553454	0.330115	0.399471
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.776770	0.454472	0.520276
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.109116	0.081488	0.097265
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.254218	0.161020	0.185582
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	5.032111	2.412793	2.666318
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	21.243439	7.816314	7.787161
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	3.782878	1.072543	1.065607
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	3.341182	1.173238	1.275251
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.333596	0.156107	0.172146
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.059960	0.023923	0.027079
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	2.193958	0.402419	0.348175
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	13.845797	11.761342	13.466472
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	18.744844	12.598989	12.765794
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	1.174984	0.993015	1.135579
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	9.448738	7.567616	8.456595
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.079562	0.063127	0.070318
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.485986	0.330501	0.373044
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.152677	0.120863	0.134494
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	32.080054	20.206488	24.043212
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	1.257084	1.150804	1.441780
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	5.199816	4.760200	5.963794
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	3.611605	2.558167	3.118403
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	2.600109	1.741919	2.173529
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	2.743383	2.246640	2.754289
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	1.074722	0.885751	1.002192
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	49.620247	34.532914	41.984144
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	36.318467	23.699058	29.563283
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	11.606533	6.083576	6.740858
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	127.193863	74.289555	88.191824
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	1.360637	1.211370	1.435412
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	2.822587	2.506273	2.970012
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.010125	0.006566	0.008189
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.112731	0.057467	0.061567
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000848	0.000619	0.000736
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.080133	0.058484	0.069558
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.008275	0.005870	0.007125
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.130363	0.099791	0.118589
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.124965	0.117373	0.147357
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.126924	0.092634	0.110174
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.151731	0.111048	0.132282
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.220821	0.094204	0.092608
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	60.050167	46.909871	56.923841

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	18.173431	12.193252	14.178263
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	12.523357	7.821670	9.174781
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	22.612011	15.571827	18.918418
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	26.490923	18.790536	21.975555
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	1.320402	0.906184	1.124596
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.007615	0.007252	0.008932
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000086	0.000055	0.000067
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000788	0.000374	0.000391
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.218069	0.142927	0.175800
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.224098	0.194033	0.186567
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.160720	0.103042	0.089238
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.270755	0.131171	0.106082
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.042378	0.034517	0.032354
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.027661	0.016757	0.014180
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.491942	0.325521	0.285129
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.161899	0.146106	0.141065
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.468920	0.168772	0.125485
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.173195	0.140758	0.131835
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.028831	0.023073	0.021509
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.312773	0.224285	0.201793
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.778219	0.475725	0.402930
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.082678	0.043865	0.035393
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.643014	0.494625	0.455641
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.258555	0.215664	0.203587
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	5.947187	4.997296	4.699624
2267003020	Industrial Equipment	Forklifts	LPG	NOx	560.548767	356.950856	303.878405
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	4.277458	1.949572	1.586176
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	1.308174	0.724491	0.596686
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.321214	0.266119	0.248972
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	2.612121	0.872314	0.659020
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	8.217545	4.623830	3.822798
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.001904	0.001610	0.001544
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.001602	0.000789	0.000620
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	25.668828	25.371462	24.765612
2267006010	Commercial Equipment	Pumps	LPG	NOx	5.977731	5.100480	4.776428
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	7.206644	5.509838	4.983655
2267006025	Commercial Equipment	Welders	LPG	NOx	8.984978	7.265089	6.609595
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.118062	0.110387	0.105351
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.111905	0.073158	0.062598
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000856	0.000541	0.000453
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.010199	0.008513	0.008039
2268003020	Industrial Equipment	Forklifts	CNG	NOx	40.812355	25.554216	21.769325
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.048773	0.030277	0.025676
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.031886	0.018890	0.015689
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.077073	0.040418	0.032252

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.183877	0.060470	0.045748
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.002303	0.001193	0.001052
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.179748	0.019195	0.011647
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	8.413396	7.870286	7.652207
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.421871	0.357770	0.338902
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.603455	0.439846	0.397561
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	22.285059	2.229057	2.292600
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.805093	0.114241	0.083530
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	2.317360	2.338795	2.323979
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	12.971546	10.976793	10.565792
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.028508	0.024735	0.023915
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.444702	0.386572	0.374449
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	32.184589	28.099379	27.286792
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	37.262431	31.034683	29.785688
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	2.051279	1.778879	1.719073
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	1.382177	1.268921	1.243011
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	3.886665	3.523451	3.450727
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	14.971826	14.042993	13.768916
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	17.774927	16.635831	16.275109
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	128.646239	104.742191	99.467015
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	1.006664	0.955547	0.945424
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.667823	0.639890	0.629179
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	35.034209	29.407061	28.221473
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	32.687281	26.329295	25.038102
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	121.337534	102.257447	98.253991
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	6.151051	5.361107	5.172088
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	41.120997	37.775580	36.704917
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	157.529343	135.861025	131.204920
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	95.706284	90.305715	88.674242
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	138.418930	116.344038	111.670574
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	61.364019	61.292912	60.580715
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	16.707049	14.877335	14.388739
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.197506	0.197310	0.195615
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	16.223878	14.283178	13.869552
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	6.183590	6.069587	5.983924
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	65.255894	58.103843	55.377845
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	34.596245	29.932337	28.736565
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	39.402016	33.980084	32.628653
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	1.822425	1.692028	1.652509
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	86.921279	83.975825	82.143646
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	44.646004	36.737669	34.648717
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.006094	0.006873	0.006973
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	1.635628	1.743752	1.738661
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	37.431583	40.057117	40.193020

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	8.260605	8.112809	8.039843
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	55.930267	61.129491	61.086227
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	5.640579	5.697614	5.683358
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.146793	0.162569	0.163044
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.001726	0.001282	0.001245
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	74.672697	66.716870	64.955176
2270005020	Agricultural Equipment	Combines	Diesel	NOx	7.571068	6.950120	6.787552
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.032452	0.032814	0.032524
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.006919	0.006507	0.006373
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.536566	0.525866	0.519277
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000882	0.000855	0.000843
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.530122	0.503290	0.493887
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	1.559871	1.403865	1.369680
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.978347	0.902736	0.874401
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	111.758517	116.764753	116.378074
2270006010	Commercial Equipment	Pumps	Diesel	NOx	26.605926	27.724336	27.573100
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	67.156450	66.758805	65.369073
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	32.516430	34.724860	34.718546
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	3.733371	3.880830	3.868245
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	2.904843	2.877234	2.826338
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.384191	0.249758	0.227353
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.033099	0.030730	0.030018
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	2.178439	1.670007	1.573196
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	7.814581	8.034171	8.109191
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	160.154700	162.989400	163.694100
2280003000	Marine Vessels	Commercial	Residual	NOx	31.368420	36.394230	37.231180
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	10.063481	12.175789	17.814141
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	2.817398	3.953935	5.817887
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	22.840025	21.784944	27.504859
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	21.585058	24.142315	24.316606
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.081278	0.085932	0.086545
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	315.346640	240.483366	238.402078
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NOx	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.248080	0.242677	0.239067
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.005458	0.003369	0.004045
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000613	0.000476	0.000439

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
Bucks County Total Annual NOx Emissions					**3517.553937**	**2870.178634**	**2847.701115**

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	178.316630	239.183014	237.181050
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	177.918699	306.136622	294.549406
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	3.614440	2.944697	2.879480
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	11.313353	5.521676	4.878946
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.685522	0.172992	0.171617
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.816741	0.205857	0.204179
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.005863	0.001771	0.001759
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	30.210625	12.162575	12.052521
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.151663	0.041671	0.041314
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.637161	0.123380	0.112738
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.050558	0.009688	0.008851
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	4.424020	2.059241	1.743542
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	32.299748	10.785832	8.982456
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	57.065310	20.409595	17.469335
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	388.938294	167.023243	168.099454
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	84.357062	32.144484	27.955613
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	306.501323	88.201103	85.705122
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	55.347571	22.627330	20.044266
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	293.898554	106.696057	99.865030
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	32.245838	36.692813	36.992609
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	115.252249	131.362199	132.223180
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.132070	0.033687	0.033158
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.168595	0.044365	0.042273
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	11.548603	3.275638	3.328584
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	79.147621	23.937401	24.186381
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.028055	0.009087	0.009229
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.437679	0.140972	0.143170
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.165630	0.082270	0.083776
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	6.464429	8.982290	8.649036
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	67.255365	99.337736	96.878509
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	12.291990	11.141642	10.490420
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	3.903809	3.654990	3.400621
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.577742	0.426174	0.383859
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.004977	0.003777	0.003466
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	2.268573	1.858257	1.375777
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.935100	0.720106	0.654830
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	3.187625	2.431103	1.995942
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	1.164970	0.802158	0.714500
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.081523	0.052311	0.045340
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	2.301149	1.520060	1.340412
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	1.354090	1.155173	0.863357
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	3.361001	2.733377	2.507274
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	3.419813	2.855788	2.470478
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.116261	0.094289	0.083019

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.303700	0.215291	0.188311
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.173170	0.124056	0.103340
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.419739	0.252887	0.195974
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	1.135629	0.911298	0.841140
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.789598	0.601290	0.534422
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.486304	0.398495	0.355796
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.149004	0.124685	0.109239
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	4.331482	2.581527	2.171380
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	12.333511	5.973692	4.480254
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	3.791439	1.516758	1.201814
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	13.454160	4.936508	4.151979
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.308816	0.179437	0.151168
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.154600	0.082830	0.071474
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	1.267317	0.270134	0.166837
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	157.850420	164.597178	148.258327
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	152.325842	132.747298	91.778108
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	13.175206	13.829077	12.351007
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	72.713570	74.438564	61.214490
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.832329	0.885428	0.770283
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	2.521662	2.247699	1.656885
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	1.670579	1.773063	1.544890
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	50.841589	42.328973	37.894574
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	12.576684	14.467686	14.426641
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	16.722107	20.095751	19.187843
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	15.496941	15.243753	14.746092
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	5.931380	5.178943	4.869036
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	9.932980	9.157925	8.502623
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	8.936438	9.023958	7.634958
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	185.330509	174.497581	166.874172
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	80.067255	66.838851	62.566932
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	12.076502	9.304119	8.225017
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	294.133031	266.235643	227.305562
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	9.609203	9.416394	8.389838
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	19.704399	19.317418	17.220165
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.023858	0.020162	0.018986
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.077583	0.053540	0.044442
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000531	0.000515	0.000468
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.053838	0.052270	0.047771
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.024931	0.020382	0.018637
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.357050	0.334897	0.291463
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.719179	0.733802	0.685735
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.080177	0.077699	0.070734
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.134319	0.123423	0.111981
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.141420	0.077236	0.057674
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	222.351867	210.632454	188.648768

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	65.402855	52.016500	40.814330
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	26.464606	20.044035	18.111238
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	41.598006	38.832383	36.556278
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	115.200989	107.387731	85.542769
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	4.076236	3.424175	3.181940
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.029722	0.027624	0.025561
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000508	0.000335	0.000287
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000777	0.000466	0.000391
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.483992	0.406137	0.372541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.060715	0.053204	0.051263
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.043810	0.028916	0.025011
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.074325	0.037221	0.029763
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.011460	0.009537	0.008964
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.007557	0.004723	0.003984
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.134069	0.091307	0.079970
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.043502	0.039869	0.038586
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.129935	0.048171	0.034385
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.046859	0.038926	0.036564
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.007804	0.006389	0.005973
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.085022	0.062675	0.056510
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.212695	0.134638	0.114058
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.022678	0.012483	0.010018
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.174290	0.137218	0.126638
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.069840	0.059449	0.056278
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	1.601975	1.377527	1.298517
2267003020	Industrial Equipment	Forklifts	LPG	VOC	152.840194	100.832007	85.837822
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	1.177186	0.554455	0.443697
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.357696	0.205142	0.167986
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.086613	0.073555	0.069021
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.720601	0.249879	0.182052
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	2.247587	1.310033	1.079891
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000517	0.000443	0.000426
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000440	0.000225	0.000177
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	5.212363	5.205129	5.095476
2267006010	Commercial Equipment	Pumps	LPG	VOC	1.229260	1.057421	0.990939
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	1.494644	1.150660	1.039687
2267006025	Commercial Equipment	Welders	LPG	VOC	2.419414	2.020735	1.842562
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.031471	0.030181	0.028886
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.023298	0.015129	0.012795
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000233	0.000153	0.000128
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000162	0.000138	0.000131
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.656688	0.426003	0.363018
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000785	0.000505	0.000429
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000513	0.000316	0.000262
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.001245	0.000675	0.000534

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.002991	0.001024	0.000747
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000039	0.000021	0.000018
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.003028	0.000334	0.000202
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.101681	0.096027	0.093610
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.005138	0.004396	0.004172
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.007416	0.005455	0.004932
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.387433	0.022430	0.023070
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.013458	0.001715	0.001041
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.740917	0.653722	0.632075
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	1.250942	0.919045	0.873351
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.004635	0.003882	0.003712
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.077717	0.061427	0.058084
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	3.545999	2.496749	2.366365
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	2.601873	1.801567	1.724534
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.228612	0.168580	0.158447
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.157725	0.113682	0.107616
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.766646	0.510719	0.465507
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	2.111342	1.469150	1.374335
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	1.655476	1.422113	1.371067
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	10.266559	7.883590	7.510264
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.170089	0.108443	0.101100
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.079612	0.072836	0.071029
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	2.674465	2.020018	1.925688
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	2.556250	1.972845	1.890010
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	8.848149	5.745224	5.472366
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.545210	0.404167	0.380745
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	5.098862	3.799486	3.549784
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	12.761613	9.852602	9.379528
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	22.030323	19.464914	18.761357
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	11.088806	8.036373	7.652804
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	21.269698	17.943416	17.099810
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	1.500262	1.021255	0.947429
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.064644	0.058570	0.056677
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	1.399937	1.065673	1.015377
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	1.823416	1.690418	1.641353
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	6.436457	5.101338	4.688643
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	3.328993	2.449774	2.323743
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	3.603586	2.825552	2.665404
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.339177	0.308851	0.299800
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	11.779599	7.826198	7.329060
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	3.526364	2.986117	2.832797
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.001229	0.001219	0.001208
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.157056	0.145490	0.142186
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	7.377795	5.817189	5.472072

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	1.633913	1.218526	1.133137
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	6.324314	6.053571	5.919240
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.762551	0.496699	0.476749
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.023491	0.022226	0.021651
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000310	0.000214	0.000202
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	9.273622	6.742107	6.364530
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.675380	0.607655	0.590639
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.006836	0.005552	0.005282
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.001101	0.000922	0.000881
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.098519	0.075894	0.071618
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000102	0.000083	0.000080
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.060805	0.057615	0.056334
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.206730	0.152053	0.144161
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.127249	0.092373	0.086208
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	16.961599	15.133584	14.655148
2270006010	Commercial Equipment	Pumps	Diesel	VOC	3.729766	3.388227	3.286394
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	8.407512	6.712946	6.327823
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	12.799170	11.215995	10.745620
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.533159	0.491095	0.479563
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.391646	0.297475	0.280532
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.027937	0.018709	0.017308
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.002791	0.002305	0.002222
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.178585	0.109149	0.099629
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	10.245183	10.533072	10.631426
2275070000	Aircraft	All Aircraft Types and Operations	Other	VOC	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	12.469300	12.924430	13.010470
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	4.044602	4.899560	5.042001
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	463.430563	364.639732	344.037442
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	160.670857	105.341898	95.351316
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	30.720095	31.738110	30.248959
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.807546	0.881647	0.881824
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.020288	0.016799	0.016093
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	13.629744	13.449832	13.380320
2285002010	Railroad Equipment	Yard Locomotives	Diesel	VOC	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.048123	0.043871	0.042574
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.014620	0.011476	0.009939
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000166	0.000132	0.000122

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
Bucks County Total Annual VOC Emissions					**4695.084275**	**3684.862623**	**3390.611404**

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	148.331510	241.807560	217.341320
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	146.249570	336.577730	307.842560
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	94.424667	119.583007	105.362782
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	27.084795	26.223623	22.416241
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	1.305546	0.958308	0.836009
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	1.566865	1.155990	1.008465
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.011459	0.008883	0.007750
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	71.571861	66.564853	58.070160
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.305443	0.235875	0.205774
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	1.298383	0.687236	0.552448
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.103445	0.054754	0.044015
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	8.141555	6.615689	5.538550
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	62.118440	49.540310	42.078802
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	106.198740	86.682938	73.927734
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	913.714210	929.332230	823.536000
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	153.204424	113.375719	95.603101
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	617.402711	511.202577	450.440899
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	95.612171	76.206219	64.802927
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	622.619600	574.236140	502.910310
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	54.614980	70.703794	62.657116
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	225.898829	292.445614	259.162877
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.253994	0.203573	0.179700
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.313326	0.210749	0.183523
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	22.115107	18.804352	16.810013
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	155.726030	123.879619	110.459965
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.057632	0.052932	0.047317
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.895747	0.820323	0.733301
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.400206	0.454815	0.407807
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	64.975601	101.592740	90.547768
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	585.727780	1048.083700	961.509700
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	605.489620	753.047180	664.462890
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	81.871805	95.059662	83.643524
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	23.874067	28.204610	24.608736
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.188813	0.232770	0.205324
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	44.088167	52.175852	45.675490
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	44.745152	52.307501	45.627055
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	86.322007	103.831819	91.254010
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	39.127113	46.990915	41.228100
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	1.991053	2.365163	2.075232
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	73.173705	85.447647	74.541055
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	21.558361	24.647399	21.463133
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	180.702985	214.079645	187.470720
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	75.581673	88.011750	77.637132
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	3.024758	3.051093	2.570064

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	10.611060	12.724100	11.150233
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	3.948328	3.281048	2.607442
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	9.466554	6.687464	4.978731
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	56.905146	68.822513	60.346497
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	25.174416	28.248374	24.392733
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	11.768701	13.704941	12.075633
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	3.319085	3.099629	2.564507
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	123.710056	96.421568	77.532621
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	279.650739	154.954144	111.111568
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	120.213405	80.846056	63.249333
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	306.679502	239.402149	193.018223
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	9.457714	7.465909	6.000174
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	6.317176	5.299146	4.295083
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	29.040612	8.434471	5.169314
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	1577.090049	2001.093149	1778.859963
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	2175.085703	2756.784785	2437.138500
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	132.843810	168.153490	149.417020
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	1059.660500	1353.064300	1201.629400
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	8.856805	11.277295	10.008497
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	54.016118	71.045048	63.086496
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	16.929493	21.545856	19.115215
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	2161.885752	2862.965253	2539.574353
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	163.167764	209.839513	187.247269
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	674.859264	867.894331	774.452796
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	370.893826	496.232360	444.997212
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	279.913004	379.803212	339.128445
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	302.280983	392.485332	351.684088
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	121.425207	154.993516	137.731896
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	4931.438615	6643.634030	5963.564368
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	3764.864559	5162.748696	4610.455062
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	499.991575	605.704598	528.383749
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	11645.420071	15003.731160	13338.091270
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	160.969720	204.352256	182.396716
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	329.238006	417.862417	372.943517
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	1.104109	1.472457	1.309599
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	2.233256	2.203425	1.823893
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.010740	0.011396	0.009703
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	1.015144	1.077402	0.917333
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.858643	1.118628	1.000066
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	7.349136	9.016163	7.980383
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	18.274553	22.518917	19.983558
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	1.607900	1.706512	1.452977
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	3.336024	3.896544	3.404569
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	3.129391	2.235437	1.640774
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	6324.894430	8903.009770	8046.428830

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	1461.518304	2021.058314	1810.571783
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	726.012498	988.115923	883.446324
2265006025	Commercial Equipment	Welders	4 Stroke	CO	1823.940707	2562.421271	2297.187453
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	2770.077716	3921.932149	3526.945569
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	140.176510	199.515395	179.484403
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.875986	1.220239	1.108171
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.010445	0.014661	0.013215
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.019008	0.018769	0.015628
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	29.436999	34.804627	30.488853
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.896572	0.859370	0.833643
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.648240	0.568038	0.512126
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	1.102320	0.854189	0.714576
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.169131	0.164384	0.156784
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.111912	0.095873	0.085230
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	1.983669	1.762205	1.601158
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.640608	0.651579	0.635318
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	1.932978	1.308088	0.988726
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.691649	0.671768	0.640518
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.115210	0.111144	0.105608
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	1.256898	1.156389	1.071836
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	3.149975	2.718153	2.425855
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.336259	0.272862	0.234477
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	2.574105	2.438380	2.294968
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	1.030273	1.011952	0.970403
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	23.610318	23.905396	22.870471
2267003020	Industrial Equipment	Forklifts	LPG	CO	2261.757734	2037.859762	1828.105623
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	17.473553	13.678510	11.312955
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	5.298179	4.477985	3.874725
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	1.276970	1.285849	1.226715
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	10.704629	7.639750	5.928879
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	33.294401	27.715919	24.192122
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.007645	0.007084	0.006851
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.006531	0.004843	0.004134
2267006005	Commercial Equipment	Generator Sets	LPG	CO	68.407173	81.933924	81.175787
2267006010	Commercial Equipment	Pumps	LPG	CO	16.202752	18.317682	17.642406
2267006015	Commercial Equipment	Air Compressors	LPG	CO	19.757512	21.467106	20.254046
2267006025	Commercial Equipment	Welders	LPG	CO	35.653792	38.525897	36.195438
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.462194	0.531710	0.516204
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.308373	0.316149	0.288522
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.003446	0.003238	0.002878
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.040642	0.039919	0.038280
2268003020	Industrial Equipment	Forklifts	CNG	CO	164.942830	145.168550	130.119550
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.197257	0.172988	0.154644
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.128929	0.110997	0.098069
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.313025	0.255643	0.218858

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.753876	0.525275	0.407061
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.010067	0.005296	0.004679
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.771762	0.086228	0.052417
2268006005	Commercial Equipment	Generator Sets	CNG	CO	22.715124	24.742939	24.361782
2268006010	Commercial Equipment	Pumps	CNG	CO	1.150760	1.204627	1.164400
2268006015	Commercial Equipment	Air Compressors	CNG	CO	1.666167	1.650022	1.550462
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	99.708669	11.610699	11.941682
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	3.421989	1.056439	0.629236
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	2.757168	2.484804	2.413233
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	6.583822	4.941497	4.870294
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.016600	0.017612	0.017742
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.265857	0.262678	0.261282
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	18.944716	14.660421	14.424923
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	17.118642	13.368265	13.100206
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	1.229070	0.939599	0.901628
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.927295	0.742402	0.715778
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	2.420279	1.920217	1.829900
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	11.373467	9.276538	8.958442
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	6.832098	5.891543	5.716184
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	52.554650	40.460566	40.330031
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.879520	0.699502	0.676690
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.301725	0.293224	0.291157
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	9.594594	7.406481	7.227372
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	12.379690	8.984828	8.968145
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	53.699845	33.588497	33.194177
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	2.247056	1.787202	1.741909
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	28.287714	23.581681	23.122742
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	72.764518	56.363584	54.783768
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	88.882651	85.297062	84.406601
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	62.269561	47.556312	46.764772
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	77.728817	74.211348	72.594936
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	9.434902	6.836509	6.487137
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.222209	0.224074	0.221260
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	9.039535	7.009162	6.753582
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	6.269551	6.517349	6.458466
2270003020	Industrial Equipment	Forklifts	Diesel	CO	38.075262	40.221717	40.479501
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	11.716069	9.531152	9.599815
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	12.707349	10.403132	10.158225
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	1.164382	1.126335	1.112009
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	44.947033	40.883866	41.513720
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	16.101900	14.884936	15.196558
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.003721	0.004182	0.004245
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.637995	0.592792	0.581003
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	23.518920	21.844672	21.377601

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	5.139254	4.593890	4.459495
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	25.069869	25.141453	25.024072
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	2.644254	2.168729	2.194672
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.083908	0.088842	0.089203
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.001688	0.001618	0.001564
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	45.254741	35.750436	34.316591
2270005020	Agricultural Equipment	Combines	Diesel	CO	2.818735	2.670895	2.640776
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.023525	0.023067	0.022843
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.005405	0.005316	0.005296
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.317451	0.279878	0.272965
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000612	0.000516	0.000498
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.271173	0.297972	0.301757
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.898950	0.734360	0.709571
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.402774	0.347155	0.339004
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	59.867858	57.520392	56.883760
2270006010	Commercial Equipment	Pumps	Diesel	CO	13.922377	13.592680	13.486891
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	31.760289	29.545737	29.333374
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	47.130206	45.333788	44.165676
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	1.802736	1.716882	1.696075
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	1.435027	1.294803	1.284238
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.132176	0.090341	0.088868
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.015341	0.013412	0.013309
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.737366	0.465272	0.433324
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	485.035289	498.664780	503.321119
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	21.483510	22.669390	22.873490
2280003000	Marine Vessels	Commercial	Residual	CO	3.709636	4.501894	4.634078
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	784.969807	782.781924	663.907920
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	284.068054	301.003593	258.926902
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	395.344104	414.109934	356.183195
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	3.414202	3.976275	4.069595
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.058602	0.053036	0.051768
2285002002	Railroad Equipment	Line Haul Locomotives	Diesel	CO	34.728692	38.198884	38.810066
2285002010	Railroad Equipment	Yard Locomotives	Diesel	CO	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.204870	0.185944	0.181607
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.503602	0.645288	0.571323
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.002451	0.002342	0.002209

Appendix F-2: Bucks County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
Bucks County Total Annual CO Emissions					**55970.801536**	**70901.956221**	**63357.460629**

Appendix F-2: Chester County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.591413	0.742997	1.125614
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.597989	1.020369	1.562054
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.884676	0.502933	0.675497
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.270743	0.110952	0.141221
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.003965	0.006713	0.009236
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.004798	0.008037	0.011057
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000041	0.000060	0.000082
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.648641	0.264118	0.363363
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.001069	0.001581	0.002175
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.001991	0.001913	0.002425
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000159	0.000152	0.000193
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.011283	0.018939	0.028045
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.113642	0.210824	0.306080
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.147165	0.279505	0.405503
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	5.181275	2.492366	3.483038
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.225835	0.393222	0.569267
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	1.548604	2.204775	3.064068
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.134399	0.250847	0.363738
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	2.465757	2.102303	2.857416
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.033528	0.027517	0.038455
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.177115	0.145359	0.203137
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000480	0.000942	0.001322
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.001360	0.002380	0.003342
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.032330	0.064793	0.091340
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.256958	0.441061	0.621758
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000102	0.000172	0.000242
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.001561	0.002661	0.003751
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.020061	0.008967	0.012680
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.835877	0.971167	1.236722
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	7.546040	8.957665	11.249640
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	10.167901	6.957970	8.620495
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.776101	0.653128	0.801671
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.495456	0.275086	0.319960
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.002753	0.001640	0.001980
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.588530	0.361056	0.394665
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.848892	0.442639	0.513465
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	1.235965	0.761220	0.889801
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.513653	0.301819	0.364572
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.024109	0.013776	0.016513
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	1.495437	0.823217	0.953960
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.469890	0.311362	0.345807
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	2.543371	1.433189	1.713262
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.960120	0.714817	0.834849

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.246187	0.151716	0.174132
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.166241	0.100089	0.119768
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.424294	0.230986	0.254035
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	1.049850	0.486496	0.503747
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.797590	0.475733	0.575683
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	1.119413	0.654946	0.749776
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.157248	0.117434	0.140170
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.366357	0.232049	0.267445
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	3.012389	1.444378	1.596146
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	12.717028	4.679105	4.661653
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	2.264557	0.642060	0.637908
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	2.000143	0.702339	0.763408
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.199702	0.093451	0.103052
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.044288	0.017670	0.020002
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	1.313376	0.240901	0.208429
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	10.011003	8.503868	9.736736
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	17.642206	11.857871	12.014864
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.849555	0.717985	0.821064
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	8.892930	7.122462	7.959148
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.057526	0.045643	0.050842
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.457399	0.311060	0.351100
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.110391	0.087388	0.097244
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	30.192992	19.017872	22.628904
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.926440	0.848115	1.062557
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	4.893944	4.480188	5.612983
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	2.611318	1.849645	2.254716
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	2.447162	1.639453	2.045674
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	2.582007	2.114484	2.592272
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	1.011503	0.833648	0.943240
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	35.877195	24.968520	30.356023
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	34.182085	22.304994	27.824265
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	10.923795	5.725719	6.344337
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	119.711866	69.919580	83.004070
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.983789	0.875863	1.037854
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	2.656552	2.358845	2.795305
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.020599	0.013359	0.016660
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.229349	0.116914	0.125257
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.001725	0.001259	0.001497
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.163028	0.118985	0.141514
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.016834	0.011943	0.014495
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.265221	0.203022	0.241266
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.254237	0.238792	0.299794
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.258223	0.188462	0.224146
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.308691	0.225923	0.269123

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.449254	0.191655	0.188407
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	41.883731	32.718651	39.703185
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	12.675586	8.504537	9.889041
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	8.734779	5.455450	6.399218
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	15.771404	10.861023	13.195200
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	18.476863	13.106004	15.327488
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.920952	0.632044	0.784382
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.057558	0.054815	0.067515
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000647	0.000417	0.000507
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.003480	0.001652	0.001727
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.087228	0.057171	0.070320
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.224098	0.194033	0.186567
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.231616	0.148496	0.128602
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.390189	0.189032	0.152877
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.061072	0.049744	0.046626
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.039863	0.024149	0.020434
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.708944	0.469113	0.410904
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.233315	0.210556	0.203291
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.675766	0.243219	0.180838
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.249593	0.202848	0.189988
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.041548	0.033251	0.030997
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.450741	0.323220	0.290807
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	1.121501	0.685573	0.580668
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.119148	0.063215	0.051006
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.926655	0.712810	0.656630
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.372607	0.310797	0.293392
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	3.560184	2.991547	2.813351
2267003020	Industrial Equipment	Forklifts	LPG	NOx	335.563133	213.682649	181.911715
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	2.560628	1.167078	0.949538
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.783117	0.433704	0.357196
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.192289	0.159308	0.149043
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	1.563702	0.522196	0.394512
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	7.734160	4.351840	3.597928
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.003873	0.003275	0.003141
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.003260	0.001605	0.001262
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	17.903469	17.696063	17.273496
2267006010	Commercial Equipment	Pumps	LPG	NOx	4.169343	3.557478	3.331458
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	5.026483	3.842996	3.475995
2267006025	Commercial Equipment	Welders	LPG	NOx	6.266834	5.067247	4.610054
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.082346	0.076993	0.073480
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.078051	0.051026	0.043661
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.003781	0.002389	0.002002
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.014698	0.012268	0.011585
2268003020	Industrial Equipment	Forklifts	CNG	NOx	24.431633	15.297604	13.031842

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.029197	0.018125	0.015371
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.019088	0.011308	0.009392
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.056929	0.029854	0.023822
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.110075	0.036199	0.027386
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.004685	0.002427	0.002140
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.365692	0.039052	0.023695
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	5.868168	5.489359	5.337254
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.294246	0.249537	0.236377
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.420898	0.306783	0.277291
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	15.543360	1.554721	1.599041
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.322037	0.045696	0.033412
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	2.317360	2.338795	2.323979
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	18.693458	15.818794	15.226496
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.041083	0.035647	0.034464
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.640866	0.557093	0.539623
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	46.381618	40.494369	39.323341
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	53.699360	44.724475	42.924532
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	2.956124	2.563566	2.477378
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	1.991873	1.828658	1.791318
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	5.601122	5.077690	4.972887
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	21.576087	20.237535	19.842558
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	25.615671	23.974105	23.454264
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	185.393710	150.945292	143.343172
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	1.450717	1.377050	1.362462
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.962408	0.922153	0.906717
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	50.488242	42.378886	40.670320
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	47.106055	37.943481	36.082724
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	174.861049	147.364496	141.595069
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	8.864357	7.725959	7.453561
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	59.259987	54.438865	52.895921
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	227.017525	195.791034	189.081065
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	137.923533	130.140704	127.789570
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	199.477274	167.664865	160.929873
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	88.432462	88.329992	87.303635
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	24.076740	21.439915	20.735794
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.284628	0.284346	0.281903
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	23.380436	20.583668	19.987586
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	3.701702	3.633457	3.582176
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	39.064348	34.782891	33.151019
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	20.710463	17.918492	17.202664
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	23.587357	20.341608	19.532595
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	1.090964	1.012904	0.989247
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	64.202919	62.027306	60.674002

Appendix F-2: Chester County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	26.726581	21.992391	20.741874
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.005735	0.006468	0.006563
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	1.539415	1.641179	1.636386
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	35.229724	37.700815	37.828723
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	7.774687	7.635584	7.566911
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	52.640249	57.533640	57.492918
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	5.308780	5.362460	5.349043
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.138158	0.153006	0.153453
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.003511	0.002608	0.002533
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	151.919447	135.733547	132.149429
2270005020	Agricultural Equipment	Combines	Diesel	NOx	15.403120	14.139818	13.809079
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.066023	0.066759	0.066169
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.014077	0.013239	0.012965
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	1.091629	1.069859	1.056453
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.001795	0.001740	0.001716
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	1.078518	1.023928	1.004798
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	3.173512	2.856124	2.786575
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	1.990418	1.836589	1.778944
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	77.949223	81.440969	81.171270
2270006010	Commercial Equipment	Pumps	Diesel	NOx	18.557075	19.337143	19.231659
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	46.840214	46.562867	45.593558
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	22.679527	24.219861	24.215458
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	2.603948	2.706797	2.698020
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	2.026067	2.006810	1.971312
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	2.903920	1.887804	1.718452
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.146153	0.135695	0.132549
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.871376	0.668003	0.629278
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	10.773394	11.076127	11.179551
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	2.648284	3.204155	4.687932
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.741420	1.040509	1.531023
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	6.010533	5.732880	7.238121
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	5.680279	6.353241	6.399107
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.021389	0.022614	0.022775
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	414.988127	316.469946	313.731024
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx	0.000000	0.000000	0.000000

Appendix F-2: Chester County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	1.209876	1.183522	1.165919
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.026620	0.016431	0.019727
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.002989	0.002323	0.002142
Chester County Total Annual NOx Emissions					**3375.800053**	**2760.936770**	**2729.758136**

Appendix F-2: Chester County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	178.316630	239.183014	237.181050
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	177.918699	306.136622	294.549406
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	3.614440	2.944697	2.879480
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	16.303816	7.957357	7.031111
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.987914	0.249301	0.247319
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	1.177016	0.296663	0.294246
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.008449	0.002553	0.002534
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	43.536911	17.527640	17.369040
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.218563	0.060052	0.059539
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.381426	0.073859	0.067489
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.030266	0.005800	0.005299
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	3.198724	1.488905	1.260643
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	30.399761	10.151371	8.454076
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	41.260241	14.756861	12.630948
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	366.059548	157.198339	158.211235
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	60.993148	23.241601	20.212900
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	288.471813	83.012800	80.663644
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	40.018257	16.360362	14.492715
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	276.610391	100.419814	93.990610
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	23.764396	27.041709	27.262651
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	108.472700	123.635010	124.445349
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.124301	0.031705	0.031207
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.343001	0.090260	0.086004
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	8.054908	2.284689	2.321617
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	55.203807	16.695834	16.869494
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.019568	0.006338	0.006437
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.305272	0.098325	0.099858
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	1.251919	0.621838	0.633227
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	6.464429	8.982290	8.649036
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	67.255365	99.337736	96.878509
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	27.656976	25.068696	23.603445
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	3.903809	3.654990	3.400621
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.832591	0.614164	0.553185
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.007172	0.005443	0.004995
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	3.269269	2.677957	1.982650
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	1.347585	1.037754	0.943684
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	4.593726	3.503493	2.876377
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	1.678852	1.156000	1.029675
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.117484	0.075386	0.065340
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	3.316215	2.190578	1.931685
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	1.951396	1.664734	1.244194
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	4.843582	3.939104	3.613264
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	4.928335	4.115512	3.560237

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.167545	0.135881	0.119640
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.437665	0.310259	0.271377
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.249557	0.178779	0.148925
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.604891	0.364439	0.282421
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	1.636569	1.313283	1.212178
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	1.137899	0.866527	0.770163
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.700818	0.574276	0.512742
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.214732	0.179686	0.157426
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	2.592969	1.545388	1.299860
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	7.383250	3.576051	2.682029
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	2.269681	0.907981	0.719446
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	8.054107	2.955158	2.485512
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.184867	0.107417	0.090494
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.114193	0.061181	0.052793
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.758658	0.161711	0.099874
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	114.131445	119.009599	107.196023
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	143.365496	124.938628	86.379395
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	9.526141	9.998914	8.930215
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	68.436294	70.059822	57.613635
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.601804	0.640196	0.556942
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	2.373329	2.115481	1.559421
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	1.207888	1.281988	1.117010
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	47.850905	39.839031	35.665481
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	9.268710	10.662332	10.632083
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	15.738454	18.913648	18.059146
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	11.204838	11.021774	10.661947
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	5.582475	4.874299	4.582622
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	9.348686	8.619223	8.002468
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	8.410765	8.493136	7.185842
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	134.000522	126.167932	120.655932
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	75.357414	62.907152	58.886524
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	11.366119	8.756817	7.741192
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	276.831087	250.574731	213.934654
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	6.947794	6.808387	6.066151
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	18.545317	18.181098	16.207214
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.048539	0.041019	0.038626
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.157840	0.108926	0.090415
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.001081	0.001047	0.000953
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.109532	0.106342	0.097188
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.050721	0.041466	0.037917
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.726408	0.681339	0.592973
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	1.463148	1.492899	1.395109
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.163118	0.158076	0.143906
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.273267	0.251101	0.227822

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.287715	0.157135	0.117336
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	155.085758	146.911715	131.578555
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	45.617119	36.280418	28.467141
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	18.458508	13.980294	12.632208
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	29.013739	27.084774	25.497237
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	80.350272	74.900689	59.664287
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	2.843089	2.388290	2.219336
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.224653	0.208798	0.193207
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.003838	0.002536	0.002169
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.003430	0.002058	0.001725
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.193597	0.162455	0.149016
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.060715	0.053204	0.051263
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.063135	0.041671	0.036043
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.107110	0.053640	0.042891
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.016516	0.013744	0.012918
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.010891	0.006806	0.005741
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.193209	0.131584	0.115246
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.062691	0.057456	0.055606
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.187250	0.069420	0.049552
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.067530	0.056097	0.052692
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.011247	0.009208	0.008608
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.122526	0.090322	0.081438
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.306518	0.194029	0.164370
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.032682	0.017990	0.014437
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.251172	0.197747	0.182500
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.100647	0.085673	0.081103
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.958995	0.824634	0.777336
2267003020	Industrial Equipment	Forklifts	LPG	VOC	91.495220	60.361393	51.385373
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.704703	0.331915	0.265612
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.214128	0.122805	0.100562
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.051850	0.044033	0.041318
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.431376	0.149586	0.108982
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	2.115376	1.232972	1.016368
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.001052	0.000901	0.000866
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000896	0.000458	0.000359
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	3.635514	3.630468	3.553988
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.857383	0.737529	0.691159
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	1.042483	0.802561	0.725160
2267006025	Commercial Equipment	Welders	LPG	VOC	1.687491	1.409420	1.285149
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.021951	0.021050	0.020148
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.016250	0.010552	0.008924
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.001029	0.000675	0.000564
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000234	0.000199	0.000189
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.393115	0.255020	0.217315

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000470	0.000302	0.000257
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000307	0.000189	0.000157
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.000919	0.000499	0.000395
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.001790	0.000613	0.000447
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000080	0.000042	0.000037
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.006160	0.000679	0.000412
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.070921	0.066977	0.065291
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.003584	0.003066	0.002910
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.005173	0.003805	0.003440
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.270226	0.015645	0.016091
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.005383	0.000686	0.000416
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.740917	0.653722	0.632075
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	1.802748	1.324447	1.258596
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.006680	0.005595	0.005350
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.111999	0.088523	0.083705
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	5.110183	3.598096	3.410199
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	3.749591	2.596260	2.485248
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.329456	0.242943	0.228339
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.227299	0.163829	0.155087
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	1.104823	0.736003	0.670849
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	3.042681	2.117211	1.980571
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	2.385728	2.049424	1.975862
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	14.795267	11.361140	10.823136
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.245117	0.156279	0.145697
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.114730	0.104965	0.102360
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	3.854205	2.911073	2.775133
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	3.683845	2.843092	2.723718
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	12.751179	8.279515	7.886296
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.785709	0.582450	0.548696
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	7.348035	5.475487	5.115639
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	18.390920	14.198709	13.516956
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	31.748175	28.051133	27.037230
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	15.980219	11.581318	11.028553
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	30.652032	25.858483	24.642753
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	2.162046	1.471743	1.365352
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.093159	0.084406	0.081677
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	2.017467	1.535755	1.463273
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	1.091557	1.011941	0.982568
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	3.853077	3.053830	2.806778
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	1.992846	1.466516	1.391070
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	2.157227	1.691469	1.595599
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.203043	0.184889	0.179470
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	8.700800	5.780688	5.413485

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	2.110999	1.787589	1.695806
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.001156	0.001148	0.001137
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.147818	0.136932	0.133822
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	6.943806	5.475001	5.150185
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	1.537801	1.146848	1.066482
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	5.952296	5.697479	5.571049
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.717695	0.467482	0.448705
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.022109	0.020919	0.020378
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000630	0.000435	0.000411
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	18.866916	13.716622	12.948451
2270005020	Agricultural Equipment	Combines	Diesel	VOC	1.374040	1.236256	1.201637
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.013909	0.011295	0.010746
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.002239	0.001876	0.001793
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.200433	0.154404	0.145706
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000207	0.000169	0.000162
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.123707	0.117216	0.114611
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.420586	0.309348	0.293292
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.258884	0.187930	0.175388
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	11.830360	10.555358	10.221658
2270006010	Commercial Equipment	Pumps	Diesel	VOC	2.601434	2.363218	2.292191
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	5.864064	4.682139	4.413524
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	8.927153	7.822921	7.494845
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.371867	0.342528	0.334485
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.273165	0.207483	0.195665
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.211164	0.141410	0.130824
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.012324	0.010180	0.009814
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.071434	0.043660	0.039852
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	9.148550	9.405624	9.493450
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	121.955410	95.957820	90.536166
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	42.281802	27.721550	25.092450
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	8.084236	8.352134	7.960253
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.212512	0.232013	0.232059
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.005339	0.004421	0.004235
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	17.936394	17.699634	17.608158
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC	0.000000	0.000000	0.000000

Appendix F-2: Chester County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.234694	0.213955	0.207633
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.071301	0.055969	0.048473
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000808	0.000645	0.000597
Chester County Total Annual VOC Emissions					**3746.500832**	**2960.310547**	**2728.432975**

Appendix F-2: Chester County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	148.331510	241.807560	217.341320
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	146.249570	336.577730	307.842560
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	94.424667	119.583007	105.362782
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	39.032238	37.791195	32.304329
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	1.881439	1.381029	1.204784
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	2.258028	1.665911	1.453312
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.016513	0.012802	0.011168
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	103.143108	95.927450	83.685641
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.440178	0.339923	0.296544
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.777255	0.411402	0.330713
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.061926	0.032777	0.026349
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	5.886633	4.783378	4.004568
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	58.464413	46.626172	39.603577
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	76.785454	62.674835	53.452370
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	859.966310	874.665650	775.092693
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	110.772225	81.974662	69.124430
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	581.084898	481.131844	423.944374
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	69.130987	55.099798	46.854812
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	585.994870	540.457550	473.327330
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	40.249910	52.106976	46.176768
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	212.610645	275.242933	243.917997
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.239053	0.191598	0.169129
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.637453	0.428762	0.373372
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	15.424824	13.115642	11.724631
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	108.615636	86.403433	77.043508
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.040197	0.036919	0.033002
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.624765	0.572158	0.511462
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	3.024972	3.437733	3.082422
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	64.975601	101.592740	90.547768
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	585.727780	1048.083700	961.509700
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	1362.351700	1694.356200	1495.041500
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	81.871805	95.059662	83.643524
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	34.405219	40.646019	35.463960
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.272101	0.335448	0.295894
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	63.536013	75.191278	65.823527
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	64.482804	75.381000	65.753725
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	124.399738	149.633348	131.507308
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	56.386576	67.719199	59.414336
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	2.869331	3.408466	2.990643
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	105.451551	123.139682	107.422054
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	31.068026	35.519678	30.930792
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	260.413363	308.512905	270.166446
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	108.921701	126.834845	111.883854

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	4.359016	4.396969	3.703752
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	15.291732	18.336860	16.068741
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	5.689986	4.728360	3.757617
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	13.642371	9.637389	7.174913
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	82.006728	99.180996	86.966099
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	36.279167	40.709090	35.152676
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	16.960022	19.750363	17.402347
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	4.783176	4.466914	3.695744
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	74.056948	57.721152	46.413603
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	167.408236	92.760700	66.515074
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	71.963741	48.397137	37.863154
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	183.588544	143.314080	115.547125
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	5.661702	4.469341	3.591904
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	4.666075	3.914124	3.172490
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	17.384676	5.049155	3.094523
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	1140.292023	1446.861267	1286.178758
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	2047.139377	2594.620939	2293.777424
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	96.050781	121.580930	108.033810
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	997.327510	1273.472300	1130.945300
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	6.403784	8.153884	7.236498
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	50.838701	66.865928	59.375525
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	12.240624	15.578419	13.820978
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	2034.715886	2694.555507	2390.187661
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	120.250663	154.646604	137.996676
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	635.161637	816.841698	728.896672
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	268.169386	358.793575	321.748766
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	263.447515	357.461841	319.179718
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	284.499739	369.397932	330.996734
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	114.282542	145.876239	129.630005
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	3565.604929	4803.582721	4311.868087
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	3543.401705	4859.057559	4339.251669
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	470.580274	570.074876	497.302323
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	10960.395300	14121.158310	12553.497580
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	116.386814	147.753928	131.879294
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	309.871062	393.282271	351.005625
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	2.246277	2.995672	2.664340
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	4.543495	4.482804	3.710657
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.021850	0.023186	0.019740
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	2.065280	2.191944	1.866288
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	1.746884	2.275816	2.034605
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	14.951604	18.343123	16.235858
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	37.179048	45.814088	40.655970
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	3.271226	3.471850	2.956039
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	6.787044	7.927406	6.926498

Appendix F-2: Chester County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	6.366655	4.547932	3.338108
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	4411.481220	6209.662460	5612.215360
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	1019.378379	1409.645800	1262.835881
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	506.378496	689.190105	616.185276
2265006025	Commercial Equipment	Welders	4 Stroke	CO	1272.160392	1787.235102	1602.240138
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	1932.071134	2735.465388	2459.970594
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	97.770173	139.157796	125.186610
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	6.621166	9.223216	8.376150
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.078950	0.110814	0.099884
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.083934	0.082878	0.069008
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	11.774799	13.921850	12.195541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.896572	0.859370	0.833643
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.934187	0.818607	0.738032
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	1.588568	1.230983	1.029784
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.243737	0.236896	0.225943
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.161277	0.138164	0.122825
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	2.858690	2.539536	2.307449
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.923189	0.938999	0.915565
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	2.785640	1.885102	1.424866
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.996745	0.968093	0.923058
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.166031	0.160172	0.152193
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	1.811331	1.666487	1.544636
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	4.539468	3.917164	3.495930
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.484587	0.393225	0.337908
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	3.709576	3.513980	3.307307
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	1.484740	1.458337	1.398460
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	14.133920	14.310564	13.691023
2267003020	Industrial Equipment	Forklifts	LPG	CO	1353.963368	1219.930561	1094.364805
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	10.460250	8.188410	6.772311
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	3.171666	2.680670	2.319539
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.764436	0.769752	0.734353
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	6.408147	4.573408	3.549224
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	31.335904	26.085571	22.769055
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.015553	0.014411	0.013938
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.013286	0.009852	0.008410
2267006005	Commercial Equipment	Generator Sets	LPG	CO	47.712569	57.147193	56.618412
2267006010	Commercial Equipment	Pumps	LPG	CO	11.301080	12.776199	12.305208
2267006015	Commercial Equipment	Air Compressors	LPG	CO	13.780451	14.972857	14.126772
2267006025	Commercial Equipment	Welders	LPG	CO	24.867772	26.871005	25.245558
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.322370	0.370856	0.360041
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.215083	0.220507	0.201238
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.015215	0.014296	0.012707
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.058570	0.057528	0.055166
2268003020	Industrial Equipment	Forklifts	CNG	CO	98.740257	86.902718	77.893890

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.118085	0.103556	0.092575
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.077181	0.066446	0.058707
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.231211	0.188827	0.161656
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.451295	0.314447	0.243680
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.020482	0.010774	0.009519
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	1.570127	0.175429	0.106641
2268006005	Commercial Equipment	Generator Sets	CNG	CO	15.843322	17.257681	16.991832
2268006010	Commercial Equipment	Pumps	CNG	CO	0.802631	0.840202	0.812145
2268006015	Commercial Equipment	Air Compressors	CNG	CO	1.162117	1.150856	1.081415
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	69.544704	8.098219	8.329073
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	1.368795	0.422576	0.251694
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	2.757168	2.484804	2.413233
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	9.488029	7.121254	7.018642
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.023923	0.025380	0.025568
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.383130	0.378548	0.376536
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	27.301470	21.127318	20.787939
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	24.669891	19.265176	18.878872
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	1.771228	1.354068	1.299348
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	1.336337	1.069884	1.031516
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	3.487895	2.767248	2.637091
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	16.390446	13.368536	12.910124
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	9.845823	8.490376	8.237664
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	75.737171	58.308234	58.120118
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	1.267488	1.008061	0.975187
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.434820	0.422569	0.419590
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	13.826891	10.673573	10.415457
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	17.840528	12.948149	12.924106
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	77.387525	48.404806	47.836547
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	3.238260	2.575559	2.510286
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	40.765782	33.983858	33.322475
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	104.861865	81.226270	78.949577
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	128.089907	122.922677	121.639418
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	89.737451	68.534001	67.393307
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	112.015985	106.946918	104.617483
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	13.596757	9.852179	9.348695
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.320228	0.322916	0.318860
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	13.026987	10.100991	9.732672
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	3.753162	3.901502	3.866253
2270003020	Industrial Equipment	Forklifts	Diesel	CO	22.793117	24.078056	24.232375
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	7.013628	5.705665	5.746769
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	7.607042	6.227661	6.081051
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.697038	0.674261	0.665685
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	33.199357	30.198170	30.663401

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	9.639132	8.910617	9.097165
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.003502	0.003936	0.003995
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.600466	0.557922	0.546826
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	22.135454	20.559690	20.120095
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	4.836945	4.323661	4.197172
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	23.595169	23.662543	23.552067
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	2.488709	2.041157	2.065573
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.078973	0.083616	0.083955
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.003435	0.003293	0.003183
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	92.069462	72.733230	69.816112
2270005020	Agricultural Equipment	Combines	Diesel	CO	5.734635	5.433859	5.372582
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.047861	0.046929	0.046473
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.010997	0.010815	0.010774
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.645844	0.569403	0.555340
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.001246	0.001050	0.001014
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.551693	0.606215	0.613916
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	1.828887	1.494035	1.443602
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.819432	0.706278	0.689695
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	41.756576	40.119267	39.675231
2270006010	Commercial Equipment	Pumps	Diesel	CO	9.710566	9.480610	9.406824
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	22.152135	20.607532	20.459413
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	32.872329	31.619366	30.804633
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	1.257371	1.197489	1.182977
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	1.000901	0.903098	0.895729
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.999056	0.682843	0.671714
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.067740	0.059223	0.058769
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.294946	0.186109	0.173329
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	422.760479	434.640048	438.698549
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	206.571001	205.995246	174.712604
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	74.754747	79.211469	68.138653
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	104.037921	108.976298	93.732417
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.898474	1.046388	1.070946
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.015422	0.013957	0.013623
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	45.702069	50.268752	51.073052
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO	0.000000	0.000000	0.000000

Appendix F-2: Chester County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.999140	0.906838	0.885688
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	2.456041	3.147038	2.786315
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.011953	0.011422	0.010774
Chester County Total Annual CO Emissions					**47021.214583**	**59694.653983**	**53359.407196**

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.295707	0.371499	0.562807
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.298995	0.510184	0.781027
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.442338	0.251467	0.337748
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.092901	0.038071	0.048458
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.001360	0.002304	0.003169
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.001646	0.002758	0.003794
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000014	0.000020	0.000028
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.222570	0.090627	0.124682
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000367	0.000542	0.000746
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.001728	0.001661	0.002105
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000138	0.000132	0.000168
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.014697	0.024669	0.036530
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.062168	0.115331	0.167441
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.191695	0.364079	0.528202
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	2.834419	1.363450	1.905398
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.294169	0.512206	0.741519
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.847165	1.206123	1.676200
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.175066	0.326749	0.473799
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	1.348894	1.150066	1.563151
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.043206	0.035459	0.049554
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.096891	0.079519	0.111126
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000263	0.000515	0.000723
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000007	0.000013	0.000018
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.023111	0.046318	0.065295
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.183689	0.315297	0.444470
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000073	0.000123	0.000173
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.001116	0.001902	0.002681
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000796	0.000356	0.000503
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.417939	0.485583	0.618361
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	3.773020	4.478833	5.624820
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	4.519067	3.092431	3.831331
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.388050	0.326564	0.400836
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.170007	0.094391	0.109789
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000945	0.000563	0.000680
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.201944	0.123890	0.135422
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.291283	0.151884	0.176187
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.424100	0.261199	0.305320
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.176251	0.103564	0.125096
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.008272	0.004727	0.005666
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.513133	0.282473	0.327335
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.161235	0.106839	0.118658
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.872714	0.491774	0.587876
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.329449	0.245277	0.286464
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.084475	0.052059	0.059751
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.057043	0.034344	0.041096

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.145589	0.079259	0.087168
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.360238	0.166933	0.172852
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.273679	0.163240	0.197536
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.384107	0.224733	0.257273
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.053957	0.040295	0.048097
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.125709	0.079623	0.091769
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	2.614875	1.253778	1.385520
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	11.038894	4.061652	4.046504
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	1.965727	0.557334	0.553730
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	1.736205	0.609659	0.662669
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.173349	0.081119	0.089453
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.054475	0.021734	0.024602
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	1.140063	0.209112	0.180925
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	13.040185	11.077013	12.682930
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	9.651179	6.486856	6.572738
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	1.106618	0.935237	1.069506
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	4.864883	3.896347	4.354056
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.074932	0.059454	0.066227
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.250220	0.170166	0.192070
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.143793	0.113831	0.126669
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	16.517094	10.403738	12.379156
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	1.193847	1.092914	1.369252
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	2.677235	2.450890	3.070586
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	3.401465	2.409321	2.936960
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	1.338721	0.896864	1.119087
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	1.412488	1.156730	1.418104
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.553343	0.456048	0.516000
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	46.733109	32.523628	39.541311
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	18.699331	12.201960	15.221280
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	5.975869	3.132258	3.470673
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	65.488445	38.249546	45.407424
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	1.281469	1.140887	1.351893
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	1.453269	1.290408	1.529173
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000113	0.000073	0.000092
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.001260	0.000642	0.000688
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000009	0.000007	0.000008
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000896	0.000654	0.000777
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000092	0.000066	0.000080
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.001457	0.001115	0.001325
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.001397	0.001312	0.001647
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.001419	0.001035	0.001231
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.001696	0.001241	0.001479
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.002468	0.001053	0.001035
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	29.940980	23.389236	28.382197
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	9.061263	6.079549	7.069274
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	6.244139	3.899880	4.574541

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	11.274337	7.764105	9.432713
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	13.208360	9.368951	10.957000
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.658352	0.451823	0.560723
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.002285	0.002176	0.002680
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000026	0.000017	0.000020
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.087228	0.057171	0.070320
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.112049	0.097016	0.093283
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.079475	0.050954	0.044128
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.133887	0.064863	0.052457
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.020956	0.017069	0.015999
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.013678	0.008286	0.007012
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.243262	0.160968	0.140994
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.080058	0.072249	0.069756
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.231877	0.083456	0.062051
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.085643	0.069604	0.065191
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.014257	0.011410	0.010636
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.154664	0.110907	0.099785
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.384824	0.235242	0.199246
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.040884	0.021691	0.017502
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.317966	0.244588	0.225311
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.127854	0.106644	0.100672
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	3.090384	2.596784	2.442102
2267003020	Industrial Equipment	Forklifts	LPG	NOx	291.282366	185.485173	157.906724
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	2.222729	1.013071	0.824237
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.679777	0.376473	0.310061
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.166915	0.138285	0.129375
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	1.357357	0.453287	0.342452
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	4.230976	2.380677	1.968249
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000021	0.000018	0.000017
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000018	0.000009	0.000007
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	12.798464	12.650198	12.348121
2267006010	Commercial Equipment	Pumps	LPG	NOx	2.980494	2.543097	2.381524
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	3.593229	2.747202	2.484848
2267006025	Commercial Equipment	Welders	LPG	NOx	4.479905	3.622370	3.295541
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.058866	0.055039	0.052528
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.055796	0.036476	0.031211
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.005044	0.004209	0.003975
2268003020	Industrial Equipment	Forklifts	CNG	NOx	21.207645	13.278938	11.312165
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.025344	0.015733	0.013342
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.016569	0.009816	0.008152
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.070022	0.036721	0.029301
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.095550	0.031422	0.023772
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000026	0.000013	0.000012
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.002009	0.000215	0.000130

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	4.194915	3.924120	3.815386
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.210345	0.178384	0.168977
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.300883	0.219307	0.198224
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	11.111318	1.111407	1.143089
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.322037	0.045696	0.033412
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	1.158680	1.169398	1.161989
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	6.414335	5.427944	5.224708
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.014097	0.012231	0.011826
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.219902	0.191157	0.185162
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	15.915046	13.894939	13.493121
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	18.426003	15.346427	14.728807
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	1.014343	0.879643	0.850069
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.683477	0.627472	0.614660
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	1.921928	1.742321	1.706360
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	7.403460	6.944159	6.808629
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	8.789573	8.226298	8.047924
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	63.614634	51.794253	49.185719
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.497788	0.472511	0.467505
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.330234	0.316421	0.311124
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	17.324163	14.541578	13.955314
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	16.163624	13.019646	12.381160
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	60.000531	50.565567	48.585886
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	3.041650	2.651029	2.557560
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	20.334035	18.679750	18.150315
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	77.897119	67.182293	64.879883
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	47.326063	44.655523	43.848771
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	68.447158	57.531285	55.220289
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	30.344064	30.308902	29.956726
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	8.261515	7.356734	7.115128
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.097665	0.097568	0.096730
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	8.022590	7.062928	6.858393
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	3.213227	3.153988	3.109474
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	33.909433	30.192955	28.776424
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	17.977518	15.553975	14.932607
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	20.474780	17.657338	16.955083
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.947001	0.879242	0.858706
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	78.969492	76.293491	74.628928
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	23.199753	19.090284	18.004786
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.003137	0.003539	0.003590
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.842138	0.897808	0.895186
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	19.272441	20.624252	20.694225
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	4.253147	4.177051	4.139483
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	28.796880	31.473811	31.451534
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	2.904171	2.933537	2.926197
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.075579	0.083702	0.083947

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000019	0.000014	0.000014
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.834624	0.745701	0.726010
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.084623	0.077682	0.075865
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000363	0.000367	0.000364
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000077	0.000073	0.000071
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.005997	0.005878	0.005804
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000010	0.000010	0.000009
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.005925	0.005625	0.005520
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.017435	0.015691	0.015309
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.010935	0.010090	0.009773
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	55.722737	58.218843	58.026045
2270006010	Commercial Equipment	Pumps	Diesel	NOx	13.265700	13.823339	13.747933
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	33.484169	33.285904	32.592985
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	16.212674	17.313797	17.310649
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	1.861457	1.934980	1.928705
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	1.448353	1.434587	1.409211
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.115287	0.074946	0.068223
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.871376	0.668003	0.629278
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	0.000000	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	595.918100	606.465900	609.087900
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	254.021400	294.720400	301.497900
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	4.502083	5.447063	7.969484
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	1.260415	1.768866	2.602739
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	10.217906	9.745896	12.304805
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	9.656473	10.800509	10.878482
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.036361	0.038443	0.038717
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	168.215300	128.280988	127.170767
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.484982	0.474418	0.467362
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.010671	0.006586	0.007908
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.001198	0.000931	0.000859
Delaware County Total Annual NOx Emissions					**2559.645611**	**2269.248075**	**2270.550802**

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	89.158314	119.591502	118.590525
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	88.959349	153.068316	147.274698
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	1.807220	1.472349	1.439740
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	5.594371	2.730429	2.412604
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.338986	0.085543	0.084863
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.403873	0.101795	0.100965
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.002899	0.000876	0.000870
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	14.938934	6.014305	5.959884
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.074996	0.020606	0.020430
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.331093	0.064113	0.058583
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.026272	0.005035	0.004600
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	4.166611	1.939425	1.642094
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	16.630207	5.553314	4.624807
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	53.744986	19.222070	16.452889
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	200.253081	85.995449	86.549553
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	79.448778	30.274169	26.329026
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	157.808668	45.412201	44.127092
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	52.127192	21.310768	18.877998
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	151.319885	54.934719	51.417619
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	30.623739	34.847013	35.131729
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	59.340055	67.634603	68.077898
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.067999	0.017345	0.017072
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.001884	0.000496	0.000472
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	5.758127	1.633231	1.659630
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	39.462961	11.935175	12.059316
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.013988	0.004531	0.004602
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.218227	0.070288	0.071385
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.049702	0.024687	0.025139
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	3.232215	4.491145	4.324518
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	33.627683	49.668868	48.439254
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	12.291990	11.141642	10.490420
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	1.951905	1.827495	1.700310
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.285689	0.210740	0.189816
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.002461	0.001868	0.001714
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	1.121793	0.918895	0.680312
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.462400	0.356087	0.323809
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	1.576257	1.202163	0.986979
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.576069	0.396661	0.353315
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.040313	0.025867	0.022420
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	1.137901	0.751659	0.662824
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.669588	0.571225	0.426924
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	1.661991	1.351635	1.239829
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	1.691073	1.412167	1.221634
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.057490	0.046625	0.041052
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.150177	0.106460	0.093118

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.085631	0.061345	0.051101
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.207558	0.125051	0.096908
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.561560	0.450630	0.415938
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.390450	0.297334	0.264268
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.240474	0.197053	0.175939
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.073682	0.061656	0.054018
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	2.250802	1.341459	1.128331
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	6.408959	3.104156	2.328109
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	1.970175	0.788165	0.624508
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	6.991290	2.565197	2.157525
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.160472	0.093242	0.078553
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.140457	0.075253	0.064936
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.658546	0.140372	0.086695
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	148.665948	155.020157	139.631969
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	78.428181	68.347752	47.253899
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	12.408612	13.024438	11.632368
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	37.438115	38.326270	31.517573
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.783901	0.833910	0.725465
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	1.298331	1.157275	0.853082
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	1.573377	1.669898	1.455001
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	26.176864	21.793966	19.510822
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	11.944025	13.739902	13.700922
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	8.609730	10.346722	9.879266
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	14.595257	14.356800	13.888096
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	3.053896	2.666488	2.506926
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	5.114204	4.715151	4.377755
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	4.601114	4.646175	3.931019
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	174.547127	164.344504	157.164659
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	41.224316	34.413394	32.213908
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	6.217842	4.790422	4.234823
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	151.440603	137.077041	117.033072
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	9.050095	8.868505	7.901679
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	10.145226	9.945981	8.866166
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000267	0.000225	0.000212
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000867	0.000598	0.000497
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000006	0.000006	0.000005
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000602	0.000584	0.000534
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000279	0.000228	0.000208
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.003991	0.003743	0.003258
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.008038	0.008202	0.007665
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000896	0.000868	0.000791
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.001501	0.001380	0.001252
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.001581	0.000863	0.000645
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	110.864523	105.021230	94.060173
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	32.609829	25.935399	20.350004
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	13.195239	9.993945	9.030254

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	20.740744	19.361805	18.226940
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	57.439149	53.543466	42.651581
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	2.032409	1.707292	1.586513
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.008919	0.008289	0.007670
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000152	0.000101	0.000086
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.193597	0.162455	0.149016
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.030358	0.026602	0.025631
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.021664	0.014299	0.012368
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.036753	0.018406	0.014717
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.005667	0.004716	0.004433
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.003737	0.002335	0.001970
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.066296	0.045151	0.039545
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.021511	0.019715	0.019080
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.064252	0.023820	0.017003
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.023172	0.019249	0.018080
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.003859	0.003159	0.002954
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.042043	0.030992	0.027944
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.105176	0.066578	0.056401
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.011214	0.006173	0.004954
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.086185	0.067853	0.062622
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.034535	0.029397	0.027829
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.832447	0.715815	0.674759
2267003020	Industrial Equipment	Forklifts	LPG	VOC	79.421552	52.396127	44.604581
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.611710	0.288116	0.230562
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.185872	0.106600	0.087292
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.045008	0.038222	0.035866
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.374452	0.129847	0.094601
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	1.157218	0.674498	0.556005
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000006	0.000005	0.000005
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000005	0.000003	0.000002
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	2.598882	2.595275	2.540602
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.612908	0.527230	0.494081
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.745229	0.573718	0.518388
2267006025	Commercial Equipment	Welders	LPG	VOC	1.206319	1.007537	0.918701
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.015692	0.015048	0.014403
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.011616	0.007543	0.006380
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000080	0.000068	0.000065
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.341240	0.221367	0.188638
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000408	0.000263	0.000223
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000267	0.000164	0.000136
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.001131	0.000614	0.000485
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.001554	0.000532	0.000388
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000034	0.000004	0.000002

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.050698	0.047879	0.046674
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.002562	0.002192	0.002080
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.003698	0.002720	0.002459
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.193174	0.011184	0.011503
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.005383	0.000686	0.000416
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.370459	0.326861	0.316037
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.618582	0.454461	0.431865
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.002292	0.001920	0.001836
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.038431	0.030375	0.028722
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	1.753471	1.234624	1.170150
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	1.286607	0.890862	0.852770
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.113047	0.083362	0.078351
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.077994	0.056215	0.053215
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.379101	0.252547	0.230190
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	1.044043	0.726484	0.679598
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.818621	0.703224	0.677983
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	5.076739	3.898378	3.713771
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.084108	0.053624	0.049993
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.039368	0.036017	0.035123
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	1.322503	0.998884	0.952239
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	1.264047	0.975558	0.934597
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	4.375346	2.840972	2.706045
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.269602	0.199858	0.188276
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	2.521351	1.878818	1.755343
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	6.310525	4.872040	4.638109
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	10.893835	9.625259	9.277355
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	5.483334	3.973928	3.784256
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	10.517712	8.872889	8.455733
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.741869	0.505003	0.468497
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.031966	0.028962	0.028026
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.692259	0.526968	0.502097
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.947516	0.878405	0.852909
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	3.344626	2.650848	2.436396
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	1.729871	1.272995	1.207505
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	1.872560	1.468264	1.385045
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.176249	0.160491	0.155788
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	10.701970	7.110237	6.658578
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	1.832432	1.551699	1.472028
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000633	0.000628	0.000622
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.080864	0.074909	0.073207
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	3.798613	2.995103	2.817412
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.841255	0.627384	0.583420
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	3.256207	3.116809	3.047645
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.392615	0.255736	0.245465
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.012095	0.011444	0.011148

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000003	0.000002	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.103652	0.075357	0.071137
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.007549	0.006792	0.006602
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000076	0.000062	0.000059
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000012	0.000010	0.000010
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.001101	0.000848	0.000800
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000001	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000680	0.000644	0.000630
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.002311	0.001700	0.001611
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.001422	0.001032	0.000964
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	8.457044	7.545597	7.307049
2270006010	Commercial Equipment	Pumps	Diesel	VOC	1.859660	1.689368	1.638595
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	4.191981	3.347071	3.155049
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	6.381660	5.592289	5.357761
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.265833	0.244860	0.239110
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.195275	0.148321	0.139873
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.008383	0.005614	0.005194
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.071434	0.043660	0.039852
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	0.000000	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	46.396900	48.090390	48.410530
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	29.204830	35.378220	36.406740
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	207.324194	163.128292	153.911480
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	71.879068	47.126639	42.657168
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	13.743200	14.198628	13.532429
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.361271	0.394421	0.394500
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.009076	0.007515	0.007200
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	7.270511	7.174541	7.137461
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.094078	0.085764	0.083230
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.028581	0.022435	0.019431
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000324	0.000259	0.000239
Delaware County Total Annual VOC Emissions					**2689.719192**	**2133.856976**	**1970.943809**

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	74.165756	120.903780	108.670660
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	73.124786	168.288860	153.921280
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	47.212333	59.791504	52.681391
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	13.393235	12.967392	11.084669
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.645583	0.473876	0.413401
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.774803	0.571628	0.498679
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.005666	0.004393	0.003832
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	35.391764	32.915836	28.715273
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.151039	0.116639	0.101754
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.674689	0.357114	0.287073
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.053754	0.028452	0.022872
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	7.667842	6.230758	5.216291
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	31.982991	25.506875	21.665160
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	100.019610	81.639320	69.626274
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	470.445085	478.486358	424.014912
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	144.290274	106.779001	90.040468
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	317.882827	263.203446	231.919009
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	90.049015	71.772193	61.032391
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	320.568850	295.657610	258.934000
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	51.867623	67.147106	59.505209
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	116.308777	150.571811	133.435486
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.130774	0.104814	0.092522
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.003502	0.002356	0.002051
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	11.026581	9.375840	8.381463
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	77.644912	61.766312	55.075278
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.028735	0.026392	0.023592
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.446619	0.409013	0.365623
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.120092	0.136479	0.122373
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	32.487801	50.796368	45.273884
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	292.863890	524.041870	480.754850
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	605.489620	753.047180	664.462890
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	40.935903	47.529831	41.821762
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	11.805554	13.946975	12.168842
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.093367	0.115103	0.101531
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	21.801279	25.800582	22.586199
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	22.126154	25.865679	22.562248
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	42.685607	51.344083	45.124447
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	19.348074	23.236667	20.386996
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.984561	1.169556	1.026187
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	36.183868	42.253243	36.860012
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	10.660454	12.187960	10.613364
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	89.356322	105.860840	92.702920
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	37.374591	43.521173	38.391000
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	1.495721	1.508743	1.270878
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	5.247092	6.291975	5.513709

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	1.952420	1.622455	1.289361
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	4.681143	3.306903	2.461946
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	28.139183	34.032236	29.840905
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	12.448566	13.968617	12.062030
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	5.819537	6.776994	5.971313
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	1.641264	1.532744	1.268130
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	64.284427	50.104296	40.288884
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	145.317104	80.520035	57.737774
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	62.467436	42.010670	32.866748
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	159.362274	124.402411	100.299572
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	4.914586	3.879569	3.117918
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	5.739265	4.814367	3.902158
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	15.090601	4.382870	2.686171
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	1485.327711	1884.660322	1675.357655
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	1119.888823	1419.388896	1254.812259
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	125.114340	158.369540	140.723250
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	545.588620	696.653750	618.684270
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	8.341475	10.621130	9.426157
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	27.811341	36.579046	32.481416
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	15.944457	20.292219	18.003004
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	1113.092549	1474.058216	1307.553515
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	154.959756	199.283712	177.827964
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	347.465530	446.853738	398.743375
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	349.313511	467.359244	419.105223
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	144.119119	195.549706	174.607442
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	155.635742	202.079361	181.071965
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	62.518331	79.801683	70.914173
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	4644.504901	6257.076922	5616.576480
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	1938.420045	2658.150366	2373.790109
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	257.431227	311.859804	272.049520
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	5995.890599	7724.987795	6867.397978
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	151.603761	192.462102	171.784038
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	169.515140	215.145289	192.017848
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.012341	0.016458	0.014638
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.024961	0.024628	0.020386
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000120	0.000127	0.000108
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.011346	0.012042	0.010253
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.009597	0.012503	0.011178
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.082142	0.100774	0.089197
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.204256	0.251696	0.223358
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.017972	0.019074	0.016240
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.037287	0.043552	0.038053
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.034977	0.024986	0.018339
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	3153.588930	4439.035970	4011.945180
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	728.712264	1007.698604	902.750150
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	361.989458	492.674080	440.485879

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	CO	909.415838	1277.621871	1145.376428
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	1381.159329	1955.473337	1758.533171
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	69.891933	99.478268	89.490830
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.262863	0.366165	0.332536
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.003134	0.004399	0.003965
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	11.774799	13.921850	12.195541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.448286	0.429685	0.416821
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.320550	0.280891	0.253243
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.545089	0.422391	0.353352
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.083634	0.081287	0.077528
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.055339	0.047408	0.042145
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.980910	0.871398	0.791761
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.316776	0.322201	0.314160
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.955844	0.646840	0.488918
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.342016	0.332184	0.316731
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.056971	0.054960	0.052222
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.621527	0.571826	0.530015
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	1.557640	1.344107	1.199568
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.166278	0.134928	0.115947
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	1.272876	1.205761	1.134845
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.509463	0.500403	0.479857
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	12.268815	12.422149	11.884362
2267003020	Industrial Equipment	Forklifts	LPG	CO	1175.294915	1058.949037	949.952904
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	9.079920	7.107871	5.878639
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	2.753134	2.326930	2.013454
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.663562	0.668176	0.637448
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	5.562531	3.969903	3.080870
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	17.142325	14.270126	12.455826
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000085	0.000079	0.000077
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000073	0.000054	0.000046
2267006005	Commercial Equipment	Generator Sets	LPG	CO	34.107781	40.852211	40.474205
2267006010	Commercial Equipment	Pumps	LPG	CO	8.078684	9.133186	8.796494
2267006015	Commercial Equipment	Air Compressors	LPG	CO	9.851085	10.703487	10.098656
2267006025	Commercial Equipment	Welders	LPG	CO	17.776962	19.208992	18.047025
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.230450	0.265110	0.257379
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.153754	0.157632	0.143857
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.020097	0.019740	0.018929
2268003020	Industrial Equipment	Forklifts	CNG	CO	85.710533	75.435066	67.615044
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.102502	0.089891	0.080359
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.066997	0.057678	0.050960
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.284389	0.232256	0.198836
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.391742	0.272953	0.211524
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000113	0.000059	0.000052
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.008626	0.000964	0.000586

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	CO	11.325749	12.336817	12.146772
2268006010	Commercial Equipment	Pumps	CNG	CO	0.573768	0.600626	0.580569
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.830750	0.822700	0.773060
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	49.714689	5.789088	5.954116
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	1.368795	0.422576	0.251694
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	1.378584	1.242402	1.206616
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	3.255652	2.443535	2.408325
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.008209	0.008709	0.008773
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.131464	0.129892	0.129202
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	9.368025	7.249472	7.133020
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	8.465044	6.610510	6.477957
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.607766	0.464625	0.445849
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.458541	0.367112	0.353947
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	1.196810	0.949533	0.904872
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	5.624097	4.587181	4.429885
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	3.378423	2.913325	2.826612
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	25.987894	20.007457	19.942908
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.434916	0.345899	0.334618
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.149201	0.144997	0.143975
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	4.744457	3.662451	3.573883
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	6.121667	4.442933	4.434682
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	26.554184	16.609268	16.414280
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	1.111153	0.883758	0.861361
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	13.988069	11.660970	11.434028
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	35.981526	27.871384	27.090176
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	43.951827	42.178780	41.738453
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	30.791847	23.516251	23.124841
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	38.436339	36.696975	35.897672
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	4.665491	3.380604	3.207842
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.109881	0.110803	0.109411
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	4.469984	3.465980	3.339597
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	3.257896	3.386661	3.356063
2270003020	Industrial Equipment	Forklifts	Diesel	CO	19.785347	20.900726	21.034681
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	6.088113	4.952747	4.988427
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	6.603220	5.405861	5.278598
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.605057	0.585286	0.577842
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	40.835157	37.143702	37.715935
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	8.367156	7.734776	7.896707
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.001916	0.002153	0.002186
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.328485	0.305212	0.299141
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	12.109213	11.247190	11.006709
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	2.646054	2.365261	2.296065
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	12.907752	12.944609	12.884172
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	1.361450	1.116616	1.129973
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.043202	0.045742	0.045928

Appendix F-2: Delaware County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000019	0.000018	0.000017
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.505816	0.399586	0.383560
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.031505	0.029853	0.029516
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000263	0.000258	0.000255
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000060	0.000059	0.000059
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.003548	0.003128	0.003051
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000007	0.000006	0.000006
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.003031	0.003330	0.003373
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.010048	0.008208	0.007931
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.004502	0.003880	0.003789
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	29.850082	28.679636	28.362212
2270006010	Commercial Equipment	Pumps	Diesel	CO	6.941690	6.777303	6.724557
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	15.835663	14.731489	14.625604
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	23.499095	22.603402	22.020982
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.898843	0.856036	0.845662
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.715504	0.645588	0.640321
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.039663	0.027109	0.026667
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.294946	0.186109	0.173329
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	0.000000	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	79.937800	84.350370	85.109780
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	29.668780	35.378220	37.062240
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	351.170697	350.191905	297.011417
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	127.083077	134.659510	115.835713
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	176.864459	185.259706	159.345105
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	1.527406	1.778860	1.820608
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.026217	0.023727	0.023159
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	18.525318	20.376422	20.702445
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.400508	0.363509	0.355030
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.984511	1.261499	1.116902
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.004792	0.004579	0.004319
Delaware County Total Annual CO Emissions					**31901.330647**	**40555.166661**	**36222.644376**

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.788551	0.990663	1.500819
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.797319	1.360492	2.082738
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	1.179568	0.670578	0.900663
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.281262	0.115263	0.146708
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.004119	0.006974	0.009595
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.004985	0.008349	0.011487
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000042	0.000062	0.000085
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.673841	0.274379	0.377480
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.001111	0.001642	0.002259
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.005402	0.005191	0.006581
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000430	0.000414	0.000524
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.019842	0.033305	0.049319
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.194644	0.361095	0.524248
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.258802	0.491532	0.713110
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	8.874388	4.268876	5.965681
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.397149	0.691513	1.001103
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	2.652420	3.776296	5.248077
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.236351	0.441135	0.639662
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	4.223302	3.600784	4.894127
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.059770	0.049054	0.068552
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.303358	0.248968	0.347929
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000823	0.001614	0.002263
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000341	0.000596	0.000837
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.058525	0.117291	0.165347
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.465155	0.798427	1.125532
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000184	0.000311	0.000438
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.002826	0.004817	0.006790
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.004779	0.002136	0.003020
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	1.114503	1.294889	1.648962
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	10.061386	11.943554	14.999520
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	19.582624	13.400536	16.602434
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	1.034801	0.870838	1.068895
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.514705	0.285773	0.332391
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.002860	0.001704	0.002057
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.611395	0.375083	0.409998
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.881873	0.459836	0.533414
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	1.283984	0.790794	0.924371
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.533608	0.313545	0.378736
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.025045	0.014312	0.017155
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	1.553536	0.855200	0.991022
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.488146	0.323459	0.359242
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	2.642184	1.488870	1.779824
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.997422	0.742588	0.867283
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.255752	0.157610	0.180898
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.172699	0.103977	0.124421

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.440778	0.239960	0.263904
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	1.090637	0.505397	0.523318
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.828577	0.494216	0.598049
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	1.162903	0.680391	0.778906
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.163357	0.121997	0.145616
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.380591	0.241064	0.277835
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	8.173440	3.918995	4.330785
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	34.504798	12.695700	12.648349
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	6.144366	1.742086	1.730819
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	5.426938	1.905640	2.071336
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.541846	0.253558	0.279609
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.075230	0.030016	0.033976
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	3.563551	0.653631	0.565526
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	17.605168	14.954747	17.122849
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	30.217233	20.309937	20.578831
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	1.494012	1.262635	1.443908
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	15.231641	12.199217	13.632277
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.101164	0.080267	0.089411
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.783424	0.532778	0.601358
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.194131	0.153680	0.171012
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	51.713980	32.573448	38.758357
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	1.651541	1.511912	1.894192
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	8.382254	7.673581	9.613810
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	4.592217	3.252752	3.965103
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	4.191452	2.808024	3.503792
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	4.422412	3.621648	4.439993
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	1.732483	1.427856	1.615563
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	63.092985	43.909184	53.383548
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	58.546427	38.203570	47.656869
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	18.710069	9.806902	10.866459
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	205.040200	119.756923	142.167786
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	1.730073	1.540277	1.825151
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	4.550093	4.040185	4.787745
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.005159	0.003346	0.004172
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.057440	0.029281	0.031370
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000432	0.000315	0.000375
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.040830	0.029799	0.035442
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.004216	0.002991	0.003630
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.066424	0.050846	0.060424
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.063673	0.059805	0.075083
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.064671	0.047200	0.056137
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.077311	0.056582	0.067401
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.112514	0.047999	0.047186
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	75.819647	59.228641	71.872332
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	22.945865	15.395262	17.901546
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	15.812055	9.875680	11.584126

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	28.550041	19.661069	23.886491
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	33.447574	23.725025	27.746447
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	1.667146	1.144153	1.419921
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.013711	0.013057	0.016082
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000154	0.000099	0.000121
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.002748	0.001304	0.001364
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.628038	0.411630	0.506305
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.298798	0.258710	0.248756
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.240614	0.154265	0.133599
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.405348	0.196376	0.158816
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.063444	0.051676	0.048438
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.041411	0.025087	0.021228
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.736488	0.487338	0.426868
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.242380	0.218736	0.211189
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.702020	0.252668	0.187864
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.259290	0.210728	0.197370
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.043163	0.034543	0.032201
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.468253	0.335777	0.302105
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	1.165072	0.712208	0.603227
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.123777	0.065671	0.052988
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.962657	0.740503	0.682141
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.387083	0.322871	0.304790
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	9.659760	8.116892	7.633396
2267003020	Industrial Equipment	Forklifts	LPG	NOx	910.475184	579.779856	493.576566
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	6.947690	3.166605	2.576358
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	2.124811	1.176759	0.969171
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.521734	0.432245	0.404395
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	4.242755	1.416862	1.070418
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	13.246921	7.453749	6.162463
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000970	0.000820	0.000787
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000816	0.000402	0.000316
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	32.409592	32.034138	31.269189
2267006010	Commercial Equipment	Pumps	LPG	NOx	7.547514	6.439893	6.030742
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	9.099146	6.956750	6.292389
2267006025	Commercial Equipment	Welders	LPG	NOx	11.344479	9.172939	8.345309
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.149066	0.139376	0.133017
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.141292	0.092369	0.079036
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.002986	0.001886	0.001580
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.015270	0.012744	0.012035
2268003020	Industrial Equipment	Forklifts	CNG	NOx	66.289749	41.506611	35.358974
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.079219	0.049178	0.041705
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.051791	0.030682	0.025482
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.096702	0.050712	0.040466
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.298664	0.098219	0.074306
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.001173	0.000608	0.000536
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.091587	0.009780	0.005934

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	10.622797	9.937063	9.661716
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.532657	0.451722	0.427900
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.761926	0.555352	0.501963
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	28.137228	2.814419	2.894649
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	2.318669	0.329013	0.240566
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	3.089814	3.118394	3.098639
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	19.419717	16.433370	15.818061
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.042679	0.037031	0.035802
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.665765	0.578737	0.560588
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	48.183589	42.067616	40.851091
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	55.785634	46.462064	44.592192
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	3.070973	2.663163	2.573627
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	2.069259	1.899703	1.860913
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	5.818731	5.274963	5.166089
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	22.414340	21.023783	20.613461
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	26.610865	24.905523	24.365486
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	192.596449	156.809667	148.912193
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	1.507078	1.430550	1.415395
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.999799	0.957980	0.941944
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	52.449760	44.025351	42.250403
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	48.936172	39.417622	37.484574
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	181.654577	153.089751	147.096178
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	9.208746	8.026121	7.743140
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	61.562299	56.553869	54.950980
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	235.837378	203.397716	196.427057
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	143.282002	135.196801	132.754322
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	207.227161	174.178812	167.182161
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	91.868157	91.761699	90.695468
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	25.012144	22.272877	21.541401
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.295686	0.295393	0.292856
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	24.288790	21.383365	20.764124
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	10.043738	9.858569	9.719430
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	105.992334	94.375557	89.947841
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	56.193185	48.617802	46.675561
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	63.998994	55.192382	52.997309
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	2.960086	2.748287	2.684099
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	109.058141	105.362541	103.063756
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	72.516578	59.671411	56.278415
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.009823	0.011079	0.011241
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	2.636680	2.810980	2.802771
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	60.340800	64.573238	64.792316
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	13.316335	13.078083	12.960460
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	90.161218	98.542517	98.472772
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	9.092777	9.184719	9.161738
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.236634	0.262066	0.262831

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000879	0.000653	0.000634
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	38.047794	33.994080	33.096449
2270005020	Agricultural Equipment	Combines	Diesel	NOx	3.857668	3.541277	3.458445
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.016535	0.016720	0.016572
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.003526	0.003316	0.003247
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.273395	0.267943	0.264586
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000450	0.000436	0.000430
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.270112	0.256440	0.251649
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.794797	0.715308	0.697890
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.498494	0.459969	0.445532
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	141.106870	147.427767	146.939545
2270006010	Commercial Equipment	Pumps	Diesel	NOx	33.592777	35.004886	34.813936
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	84.792074	84.290006	82.535325
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	41.055409	43.843784	43.835813
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	4.713773	4.899955	4.884066
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	3.667670	3.632810	3.568549
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.691722	0.449680	0.409340
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.115390	0.107134	0.104650
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	6.273904	4.809620	4.530804
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	11.582698	11.907014	12.018208
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	2.913113	3.524570	5.156725
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.815562	1.144560	1.684125
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	6.611586	6.306168	7.961933
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	6.248307	6.988565	7.039018
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.023528	0.024875	0.025052
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	554.184418	422.621039	418.963420
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.957099	0.936252	0.922326
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.021058	0.012998	0.015605
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.002364	0.001838	0.001694
Montgomery County Total Annual NOx Emissions					**4926.045239**	**3895.666205**	**3835.604784**

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	237.755507	318.910682	316.241407
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	237.224935	408.182169	392.732548
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	4.819254	3.926263	3.839307
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	16.937235	8.266508	7.304277
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	1.026296	0.258987	0.256928
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	1.222745	0.308189	0.305677
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.008777	0.002652	0.002633
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	45.228363	18.208607	18.043844
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.227054	0.062385	0.061852
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	1.034913	0.200401	0.183116
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.082120	0.015737	0.014377
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	5.625218	2.618361	2.216943
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	52.068131	17.387075	14.479981
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	72.559517	25.951149	22.212557
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	626.979813	269.246328	270.981198
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	107.261438	40.872257	35.546038
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	494.089047	142.182743	138.159149
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	70.375379	28.771036	25.486625
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	473.773022	171.997141	160.985325
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	42.364177	48.206557	48.600426
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	185.789972	211.759687	213.147616
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.212900	0.054305	0.053452
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.085904	0.022605	0.021539
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	14.581325	4.135837	4.202687
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	99.932186	30.223484	30.537848
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.035422	0.011474	0.011653
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.552616	0.177992	0.180767
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.298211	0.148123	0.150836
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	8.619239	11.976387	11.532048
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	89.673824	132.450316	129.171343
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	53.265286	48.280449	45.458487
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	5.205079	4.873320	4.534161
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.864938	0.638025	0.574676
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.007450	0.005655	0.005189
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	3.396284	2.781999	2.059678
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	1.399939	1.078072	0.980347
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	4.772197	3.639607	2.988127
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	1.744078	1.200912	1.069679
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.122048	0.078315	0.067878
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	3.445053	2.275684	2.006733
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	2.027210	1.729411	1.292533
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	5.031760	4.092142	3.753643
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	5.119806	4.275404	3.698556
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.174054	0.141160	0.124288
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.454669	0.322312	0.281921

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.259253	0.185725	0.154710
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.628391	0.378598	0.293393
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	1.700151	1.364305	1.259272
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	1.182108	0.900193	0.800085
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.728046	0.596587	0.532662
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.223075	0.186666	0.163543
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	7.035440	4.193062	3.526878
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	20.032789	9.702810	7.277083
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	6.158270	2.463604	1.952055
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	21.853011	8.018157	6.743880
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.501596	0.291451	0.245535
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.193974	0.103925	0.089677
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	2.058449	0.438767	0.270985
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	200.709497	209.288125	188.512988
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	245.553701	213.992512	147.948988
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	16.752499	17.583908	15.704516
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	117.216379	119.997132	98.679535
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	1.058321	1.125837	0.979428
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	4.064993	3.623355	2.670946
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	2.124169	2.254480	1.964354
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	81.958118	68.235536	61.087158
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	16.523089	19.007464	18.953539
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	26.956523	32.394936	30.931362
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	19.704625	19.382692	18.749907
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	9.561557	8.348607	7.849027
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	16.012252	14.762841	13.706475
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	14.405797	14.546881	12.307773
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	235.650887	221.876630	212.183338
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	129.070738	107.746174	100.859714
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	19.467672	14.998510	13.258966
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	474.150998	429.179604	366.423181
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	12.218265	11.973106	10.667822
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	31.764065	31.140240	27.759406
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.012157	0.010273	0.009674
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.039531	0.027280	0.022644
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000271	0.000262	0.000239
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.027432	0.026633	0.024340
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.012703	0.010385	0.009496
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.181927	0.170639	0.148508
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.366441	0.373892	0.349401
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.040852	0.039590	0.036041
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.068439	0.062887	0.057057
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.072057	0.039354	0.029386
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	280.742599	265.945610	238.188893
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	82.577981	65.676297	51.532384
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	33.414347	25.307702	22.867342

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	52.521856	49.029964	46.156143
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	145.453349	135.588296	108.006735
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	5.146677	4.323381	4.017533
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.053513	0.049736	0.046023
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000914	0.000604	0.000517
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.002708	0.001625	0.001362
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	1.393896	1.169675	1.072918
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.080953	0.070938	0.068350
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.065587	0.043290	0.037444
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.111272	0.055724	0.044558
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.017157	0.014278	0.013420
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.011314	0.007070	0.005964
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.200716	0.136696	0.119723
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.065127	0.059689	0.057766
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.194525	0.072117	0.051477
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.070153	0.058276	0.054739
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.011684	0.009565	0.008943
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.127286	0.093831	0.084602
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.318426	0.201567	0.170756
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.033952	0.018689	0.014998
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.260930	0.205430	0.189590
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.104557	0.089001	0.084254
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	2.602018	2.237458	2.109126
2267003020	Industrial Equipment	Forklifts	LPG	VOC	248.251729	163.777078	139.422669
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	1.912052	0.900578	0.720678
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.580990	0.333204	0.272853
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.140682	0.119473	0.112108
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	1.170442	0.405868	0.295699
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	3.623176	2.111812	1.740816
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000264	0.000226	0.000217
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000224	0.000115	0.000090
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	6.581156	6.572022	6.433574
2267006010	Commercial Equipment	Pumps	LPG	VOC	1.552070	1.335106	1.251164
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	1.887145	1.452829	1.312715
2267006025	Commercial Equipment	Welders	LPG	VOC	3.054765	2.551390	2.326428
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.039736	0.038106	0.036472
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.029416	0.019102	0.016155
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000812	0.000533	0.000445
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000243	0.000207	0.000196
2268003020	Industrial Equipment	Forklifts	CNG	VOC	1.066630	0.691938	0.589635
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.001275	0.000821	0.000696
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000834	0.000513	0.000425
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.001562	0.000847	0.000670
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.004858	0.001663	0.001214
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000020	0.000011	0.000009
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.001543	0.000170	0.000103

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.128383	0.121244	0.118192
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.006487	0.005551	0.005268
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.009364	0.006888	0.006227
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.489175	0.028321	0.029128
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.038758	0.004940	0.002999
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.987890	0.871630	0.842766
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	1.872787	1.375903	1.307494
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.006939	0.005812	0.005557
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.116350	0.091962	0.086957
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	5.308719	3.737886	3.542688
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	3.895267	2.697128	2.581803
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.342255	0.252381	0.237211
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.236130	0.170194	0.161112
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	1.147747	0.764597	0.696912
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	3.160893	2.199467	2.057518
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	2.478415	2.129047	2.052627
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	15.370078	11.802532	11.243626
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.254640	0.162350	0.151357
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.119188	0.109043	0.106337
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	4.003945	3.024171	2.882950
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	3.826966	2.953549	2.829537
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	13.246576	8.601183	8.192687
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.816235	0.605079	0.570014
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	7.633514	5.688215	5.314386
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	19.105426	14.750343	14.042103
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	32.981623	29.140948	28.087651
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	16.601066	12.031264	11.457023
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	31.842893	26.863112	25.600149
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	2.246044	1.528922	1.418397
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.096778	0.087685	0.084851
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	2.095847	1.595421	1.520123
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	2.961696	2.745673	2.665978
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	10.454459	8.285883	7.615560
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	5.407140	3.979063	3.774355
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	5.853150	4.589422	4.329300
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.550911	0.501653	0.486953
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	14.779593	9.819352	9.195604
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	5.727722	4.850220	4.601189
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.001981	0.001966	0.001947
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.253179	0.234534	0.229208
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	11.893219	9.377478	8.821139
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	2.633915	1.964299	1.826650
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	10.194978	9.758533	9.541986
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	1.229254	0.800694	0.768534
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.037868	0.035829	0.034903

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000158	0.000109	0.000103
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	4.725165	3.435289	3.242903
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.344125	0.309617	0.300947
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.003483	0.002829	0.002691
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000561	0.000470	0.000449
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.050198	0.038670	0.036492
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000052	0.000042	0.000041
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.030982	0.029356	0.028704
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.105334	0.077475	0.073454
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.064837	0.047066	0.043925
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	21.415801	19.107741	18.503663
2270006010	Commercial Equipment	Pumps	Diesel	VOC	4.709222	4.277993	4.149418
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	10.615368	8.475800	7.989542
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	16.160298	14.161372	13.567475
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.673169	0.620059	0.605499
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.494495	0.375594	0.354201
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.050300	0.033684	0.031163
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.009730	0.008037	0.007748
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.514324	0.314350	0.286933
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	9.141467	9.397428	9.485186
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	134.150947	105.553598	99.589780
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	46.509984	30.493706	27.601696
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	8.892659	9.187348	8.756278
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.233763	0.255214	0.255265
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.005873	0.004863	0.004659
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	23.952661	23.636486	23.514328
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.185660	0.169254	0.164253
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.056404	0.044275	0.038346
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000640	0.000511	0.000472
Montgomery County Total Annual VOC Emissions					**6116.803123**	**4714.181239**	**4320.060025**

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	197.775340	322.410060	289.788420
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	194.999440	448.770290	410.456730
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	125.899550	159.444016	140.483717
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	40.548679	39.259418	33.559383
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	1.954535	1.434684	1.251591
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	2.345755	1.730634	1.509774
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.017155	0.013299	0.011602
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	107.150319	99.654328	86.936910
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.457279	0.353129	0.308065
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	2.108908	1.116247	0.897317
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.168022	0.088934	0.071492
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	10.352126	8.411962	7.042361
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	100.136733	79.860419	67.832252
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	135.033510	110.218840	94.000374
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	1472.933880	1498.110620	1327.563900
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	194.802018	144.159164	121.560967
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	995.271160	824.073460	726.123850
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	121.572509	96.897510	82.398022
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	1003.680850	925.685400	810.706020
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	71.752476	92.889757	82.318136
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	364.155460	471.430850	417.778090
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.409445	0.328165	0.289681
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.159648	0.107382	0.093510
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	27.922647	23.742472	21.224407
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	196.620476	156.411046	139.467314
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.072766	0.066832	0.059742
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	1.130975	1.035744	0.925869
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.720557	0.818878	0.734242
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	86.634132	135.456990	120.730360
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	780.970400	1397.444900	1282.012900
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	2623.788300	3263.204600	2879.339100
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	109.162403	126.746215	111.524698
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	35.741897	42.225156	36.841770
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.282673	0.348481	0.307390
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	66.004449	78.112538	68.380836
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	66.988027	78.309629	68.308322
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	129.232791	155.446752	136.616502
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	58.577252	70.350160	61.722640
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	2.980808	3.540889	3.106833
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	109.548450	127.923780	111.595512
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	32.275050	36.899653	32.132484
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	270.530687	320.498938	280.662673
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	113.153419	131.762501	116.230649
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	4.528368	4.567796	3.847646
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	15.885831	19.049265	16.693028

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	5.911047	4.912061	3.903604
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	14.172390	10.011811	7.453665
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	85.192765	103.034281	90.344818
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	37.688649	42.290678	36.518391
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	17.618935	20.517683	18.078444
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	4.969007	4.640458	3.839327
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	200.936901	156.613386	125.932886
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	454.224609	251.685314	180.473716
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	195.257440	131.314760	102.733161
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	498.126258	388.850551	313.511151
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	15.361756	12.126553	9.745824
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	7.926017	6.648717	5.388943
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	47.169411	13.699747	8.396293
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	2005.296932	2544.423954	2261.850889
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	3506.301512	4444.017096	3928.738138
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	168.913160	213.810030	189.986280
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	1708.203600	2181.179000	1937.061500
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	11.261578	14.339272	12.725974
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	87.075554	114.526688	101.697271
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	21.526140	27.395926	24.305321
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	3485.022736	4615.183408	4093.867920
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	214.367748	275.684505	246.003102
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	1087.892715	1399.070932	1248.440348
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	471.597847	630.967884	565.821546
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	451.227888	612.253812	546.684898
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	487.285715	632.697743	566.924912
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	195.740959	249.854028	222.027786
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	6270.407675	8447.493569	7582.772919
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	6069.070948	8322.500895	7432.187425
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	806.000928	976.413438	851.769929
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	18772.755860	24186.450900	21501.390490
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	204.675740	259.837369	231.920538
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	530.741230	673.606353	601.195762
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.562574	0.750258	0.667276
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	1.137906	1.122706	0.929324
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.005472	0.005807	0.004944
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.517244	0.548966	0.467407
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.437502	0.569972	0.509561
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	3.744587	4.593983	4.066224
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	9.311387	11.474008	10.182173
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.819269	0.869515	0.740332
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	1.699796	1.985396	1.734722
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	1.594511	1.139017	0.836020
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	7985.843950	11240.985400	10159.461890
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	1845.320525	2551.798554	2286.037154
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	916.667094	1247.600194	1115.443845

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	CO	2302.916652	3235.326129	2900.440573
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	3497.514235	4951.851614	4453.139466
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	176.987574	251.909142	226.617928
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	1.577181	2.196997	1.995223
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.018806	0.026396	0.023793
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.066267	0.065434	0.054483
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	84.778553	100.237319	87.807891
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	1.195429	1.145826	1.111524
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.970481	0.850411	0.766705
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	1.650285	1.278808	1.069792
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.253206	0.246099	0.234721
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.167543	0.143532	0.127597
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	2.969753	2.638200	2.397096
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.959055	0.975480	0.951135
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	2.893864	1.958340	1.480223
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	1.035469	1.005704	0.958920
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.172481	0.166394	0.158105
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	1.881703	1.731232	1.604647
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	4.715831	4.069350	3.631750
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.503413	0.408502	0.351036
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	3.853696	3.650502	3.435799
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	1.542423	1.514995	1.452791
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	38.349219	38.828503	37.147519
2267003020	Industrial Equipment	Forklifts	LPG	CO	3673.675497	3310.007698	2969.313081
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	28.381537	22.217412	18.375143
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	8.605602	7.273397	6.293549
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	2.074127	2.088549	1.992501
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	17.387067	12.408915	9.630022
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	53.671542	44.678866	38.998405
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.003895	0.003609	0.003491
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.003328	0.002467	0.002106
2267006005	Commercial Equipment	Generator Sets	LPG	CO	86.371246	103.450190	102.492964
2267006010	Commercial Equipment	Pumps	LPG	CO	20.457678	23.127999	22.275391
2267006015	Commercial Equipment	Air Compressors	LPG	CO	24.945937	27.104479	25.572862
2267006025	Commercial Equipment	Welders	LPG	CO	45.016659	48.642991	45.700544
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.583568	0.671339	0.651762
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.389353	0.399171	0.364289
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.012012	0.011287	0.010032
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.060845	0.059763	0.057309
2268003020	Industrial Equipment	Forklifts	CNG	CO	267.909480	235.791000	211.347580
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.320396	0.280977	0.251181
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.209414	0.180288	0.159289
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.392746	0.320750	0.274596
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	1.224488	0.853181	0.661171
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.005130	0.002698	0.002384
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.393234	0.043936	0.026708

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	CO	28.680230	31.240560	30.759309
2268006010	Commercial Equipment	Pumps	CNG	CO	1.452955	1.520968	1.470178
2268006015	Commercial Equipment	Air Compressors	CNG	CO	2.103711	2.083327	1.957622
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	125.892675	14.659728	15.077629
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	9.855327	3.042544	1.812200
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	3.676225	3.313072	3.217644
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	9.856648	7.397922	7.291323
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.024852	0.026367	0.026561
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.398015	0.393255	0.391165
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	28.362158	21.948136	21.595571
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	25.628340	20.013647	19.612335
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	1.840042	1.406675	1.349829
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	1.388255	1.111450	1.071592
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	3.623403	2.874759	2.739545
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	17.027232	13.887917	13.411696
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	10.228343	8.820236	8.557706
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	78.679636	60.573567	60.378141
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	1.316731	1.047226	1.013074
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.451713	0.438986	0.435891
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	14.364080	11.088252	10.820108
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	18.533650	13.451198	13.426220
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	80.394107	50.285380	49.695045
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	3.364070	2.675622	2.607814
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	42.349573	35.304166	34.617087
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	108.935849	84.381994	82.016849
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	133.066330	127.698347	126.365229
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	93.223840	71.196617	70.011602
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	116.367916	111.101907	108.681979
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	14.125005	10.234947	9.711901
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.332669	0.335462	0.331248
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	13.533098	10.493425	10.110796
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	10.183361	10.585849	10.490207
2270003020	Industrial Equipment	Forklifts	Diesel	CO	61.844003	65.330396	65.749105
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	19.029905	15.481039	15.592565
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	20.639998	16.897358	16.499566
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	1.891255	1.829457	1.806188
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	56.394012	51.296051	52.086316
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	26.153621	24.176958	24.683114
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.005998	0.006742	0.006843
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	1.028467	0.955598	0.936593
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	37.913183	35.214246	34.461313
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	8.284627	7.405484	7.188836
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	40.413357	40.528753	40.339531
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	4.262613	3.496054	3.537875
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.135263	0.143217	0.143797

Appendix F-2: Montgomery County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000860	0.000825	0.000797
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	23.058535	18.215831	17.485247
2270005020	Agricultural Equipment	Combines	Diesel	CO	1.436223	1.360895	1.345548
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.011987	0.011753	0.011639
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.002754	0.002709	0.002698
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.161750	0.142605	0.139083
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000312	0.000263	0.000254
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.138170	0.151825	0.153753
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.458040	0.374177	0.361546
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.205225	0.176885	0.172732
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	75.589462	72.625539	71.821727
2270006010	Commercial Equipment	Pumps	Diesel	CO	17.578463	17.162187	17.028618
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	40.100702	37.304598	37.036468
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	59.506838	57.238673	55.763807
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	2.276144	2.167744	2.141473
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	1.811873	1.634824	1.621486
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.237978	0.162655	0.160004
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.053482	0.046758	0.046400
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	2.123613	1.339985	1.247972
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	323.551473	332.610914	335.717008
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	227.228095	226.594757	192.183857
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	82.230224	87.132619	74.952520
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	114.441712	119.873932	103.105660
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.988322	1.151027	1.178041
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.016964	0.015353	0.014985
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	61.031564	67.130015	68.204095
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.790392	0.717375	0.700643
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	1.942905	2.489534	2.204176
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.009456	0.009036	0.008523
Montgomery County Total Annual CO Emissions					**81457.328379**	**103018.994376**	**91980.533697**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.197138	0.247666	0.375205
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.199330	0.340123	0.520685
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.294892	0.167644	0.225166
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.295624	0.121148	0.154199
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.004329	0.007330	0.010085
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.005239	0.008776	0.012073
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000044	0.000065	0.000089
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.708248	0.288389	0.396754
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.001167	0.001726	0.002375
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.003586	0.003446	0.004368
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000286	0.000275	0.000348
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.039918	0.067003	0.099219
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.027772	0.051522	0.074800
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.520654	0.988858	1.434625
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	1.266210	0.609089	0.851192
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.798979	1.391178	2.014006
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.378451	0.538807	0.748803
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.475489	0.887469	1.286864
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.602587	0.513765	0.698301
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.130143	0.106809	0.149264
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.043284	0.035523	0.049643
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000117	0.000230	0.000323
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000006	0.000011	0.000015
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.042133	0.084439	0.119035
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.334871	0.574797	0.810283
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000132	0.000224	0.000315
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.002035	0.003468	0.004888
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000402	0.000180	0.000254
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.278626	0.323722	0.412241
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	2.515347	2.985889	3.749880
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	4.895656	3.350134	4.150609
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.258700	0.217709	0.267224
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.540987	0.300365	0.349363
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.003006	0.001791	0.002162
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.642614	0.394235	0.430933
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.926902	0.483316	0.560650
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	1.349545	0.831173	0.971570
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.560855	0.329555	0.398074
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.026324	0.015042	0.018030
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	1.632861	0.898867	1.041625
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.513071	0.339975	0.377585
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	2.777096	1.564893	1.870703
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	1.048351	0.780505	0.911567
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.268811	0.165658	0.190135
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.181517	0.109287	0.130774

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.463285	0.252212	0.277379
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	1.146326	0.531203	0.550039
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.870885	0.519451	0.628586
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	1.222282	0.715133	0.818678
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.171698	0.128226	0.153051
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.400024	0.253373	0.292022
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	5.425715	2.601518	2.874873
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	22.905066	8.427693	8.396261
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	4.078769	1.156436	1.148957
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	3.602524	1.265007	1.375000
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.359690	0.168317	0.185611
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.146308	0.058374	0.066076
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	2.365566	0.433895	0.375409
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	35.417850	30.085768	34.447528
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	4.311438	2.897851	2.936217
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	3.005634	2.540154	2.904836
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	2.173272	1.740602	1.945073
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.203520	0.161480	0.179875
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.111780	0.076017	0.085803
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.390550	0.309171	0.344039
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	7.378624	4.647626	5.530098
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	3.596047	3.292022	4.124393
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	1.195992	1.094877	1.371712
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	9.238563	6.543845	7.976942
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.598042	0.400653	0.499926
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.630996	0.516742	0.633505
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.247193	0.203729	0.230511
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	126.929654	88.335933	107.396336
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	8.353487	5.450939	6.799750
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	2.669579	1.399263	1.550442
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	29.255428	17.087088	20.284702
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	3.480538	3.098710	3.671814
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.649214	0.576459	0.683122
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000093	0.000060	0.000075
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.001032	0.000526	0.000564
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000008	0.000006	0.000007
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000734	0.000536	0.000637
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000076	0.000054	0.000065
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.001194	0.000914	0.001086
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.001144	0.001075	0.001349
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.001162	0.000848	0.001009
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.001389	0.001017	0.001211
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.002022	0.000863	0.000848
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	54.583415	42.639365	51.741700
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	16.518986	11.083222	12.887524
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	11.383276	7.109613	8.339542

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	20.553495	14.154224	17.196153
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	24.079285	17.079913	19.974979
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	1.200197	0.823688	1.022217
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.001154	0.001099	0.001354
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000013	0.000008	0.000010
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.087228	0.057171	0.070320
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.074699	0.064678	0.062189
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.252900	0.162142	0.140420
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.426045	0.206403	0.166925
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.066684	0.054315	0.050911
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.043526	0.026368	0.022312
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.774093	0.512222	0.448664
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.254756	0.229905	0.221973
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.737866	0.265570	0.197456
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.272529	0.221488	0.207448
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.045367	0.036307	0.033845
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.492163	0.352922	0.317531
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	1.224562	0.748574	0.634029
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.130097	0.069024	0.055693
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	1.011811	0.778314	0.716972
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.406848	0.339357	0.320353
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	6.412367	5.388177	5.067221
2267003020	Industrial Equipment	Forklifts	LPG	NOx	604.394038	384.871007	327.647297
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	4.612034	2.102064	1.710245
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	1.410497	0.781159	0.643358
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.346339	0.286934	0.268446
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	2.816437	0.940545	0.710568
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	1.890090	1.063512	0.879269
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000017	0.000015	0.000014
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000015	0.000007	0.000006
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	23.332030	23.061736	22.511041
2267006010	Commercial Equipment	Pumps	LPG	NOx	5.433540	4.636151	4.341599
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	6.550577	5.008242	4.529961
2267006025	Commercial Equipment	Welders	LPG	NOx	8.167018	6.603702	6.007881
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.107314	0.100338	0.095760
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.101717	0.066498	0.056899
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.016049	0.013395	0.012649
2268003020	Industrial Equipment	Forklifts	CNG	NOx	44.004635	27.553028	23.472088
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.052588	0.032645	0.027685
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.034380	0.020368	0.016916
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.188065	0.098625	0.078698
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.198260	0.065200	0.049326
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000021	0.000011	0.000010
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.001646	0.000176	0.000107

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	7.647471	7.153803	6.955578
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.383466	0.325200	0.308050
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.548519	0.399804	0.361369
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	20.256307	2.026132	2.083890
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.322037	0.045696	0.033412
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	0.772453	0.779598	0.774660
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	20.411305	17.272472	16.625745
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.044859	0.038922	0.037631
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.699759	0.608287	0.589212
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	50.643886	44.215625	42.936983
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	58.634096	48.834458	46.869109
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	3.227779	2.799146	2.705039
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	2.174917	1.996703	1.955933
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	6.115841	5.544307	5.429873
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	23.558835	22.097276	21.666003
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	27.969640	26.177221	25.609609
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	202.430591	164.816506	156.515778
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	1.584031	1.503595	1.487666
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	1.050849	1.006895	0.990041
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	55.127889	46.273321	44.407745
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	51.434895	41.430320	39.398569
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	190.930018	160.906647	154.607035
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	9.678953	8.435941	8.138511
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	64.705723	59.441560	57.756823
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	247.879443	213.783376	206.456796
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	150.598104	142.100067	139.532870
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	217.808356	183.072533	175.718628
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	96.559022	96.447132	95.326457
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	26.289286	23.410149	22.641323
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.310784	0.310476	0.307809
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	25.528995	22.475217	21.824358
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	6.667261	6.544341	6.451978
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	70.360108	62.648635	59.709414
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	37.302309	32.273598	30.984295
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	42.483981	36.637954	35.180815
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	1.964972	1.824375	1.781766
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	212.095997	204.908814	200.438129
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	48.138144	39.611235	37.358888
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.001402	0.001581	0.001604
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.376205	0.401075	0.399903
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	8.609511	9.213401	9.244660
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	1.899994	1.866000	1.849217
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	12.864331	14.060187	14.050235
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	1.297370	1.310489	1.307210
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.033763	0.037392	0.037501

Appendix F-2: Philadelphia County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000016	0.000012	0.000011
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.683824	0.610968	0.594835
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.069333	0.063647	0.062158
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000297	0.000300	0.000298
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000063	0.000060	0.000058
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.004914	0.004816	0.004755
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000008	0.000008	0.000008
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.004855	0.004609	0.004523
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.014285	0.012856	0.012543
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.008959	0.008267	0.008007
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	101.584423	106.134910	105.783432
2270006010	Commercial Equipment	Pumps	Diesel	NOx	24.183818	25.200411	25.062944
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	61.042768	60.681324	59.418108
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	29.556250	31.563633	31.557895
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	3.393498	3.527533	3.516094
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	2.640397	2.615301	2.569039
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.058243	0.037863	0.034467
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	267.321262	262.284545	261.445092
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.871376	0.668003	0.629278
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	1922.447000	2584.766880	2695.242000
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	30.169454	36.680385	37.765540
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	734.578400	747.580400	750.812600
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	350.376700	406.397700	415.743500
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	5.296569	6.408310	9.375863
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	1.482841	2.081018	3.062046
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	12.021066	11.465760	14.476242
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	11.360557	12.706482	12.798215
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.042778	0.045227	0.045550
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	427.851782	326.279859	323.455948
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx	90.411900	68.948025	68.351396
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.739545	0.723436	0.712676
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.016272	0.010044	0.012058
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.001827	0.001420	0.001309
Philadelphia County Total Annual NOx Emissions					**7240.147137**	**7221.398642**	**7280.985883**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	59.438876	79.727671	79.060351
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	59.306233	102.045541	98.183137
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	1.204813	0.981566	0.959827
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	17.802064	8.688603	7.677239
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	1.078699	0.272211	0.270047
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	1.285179	0.323925	0.321285
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.009225	0.002787	0.002767
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	47.537764	19.138354	18.965177
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.238648	0.065571	0.065010
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.686998	0.133031	0.121556
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.054513	0.010446	0.009544
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	11.316740	5.267584	4.460018
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	7.429155	2.480813	2.066024
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	145.974297	52.208186	44.686937
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	89.458368	38.416448	38.663982
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	215.787190	82.226282	71.511062
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	70.497328	20.286836	19.712744
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	141.580286	57.881206	51.273669
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	67.598610	24.540797	22.969616
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	92.243292	104.964427	105.822030
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	26.508778	30.214173	30.412205
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.030377	0.007748	0.007627
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.001544	0.000406	0.000387
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	10.497260	2.977436	3.025562
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	71.942306	21.758225	21.984540
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.025501	0.008260	0.008389
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.397835	0.128138	0.130136
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.025109	0.012472	0.012701
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	2.154810	2.994097	2.883012
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	22.418455	33.112579	32.292836
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	13.316322	12.070112	11.364622
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	1.301270	1.218330	1.133540
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.909103	0.670603	0.604020
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.007831	0.005943	0.005454
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	3.569701	2.924050	2.164847
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	1.471422	1.133119	1.030404
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	5.015870	3.825448	3.140703
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	1.833132	1.262231	1.124298
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.128280	0.082314	0.071344
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	3.620960	2.391882	2.109199
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	2.130721	1.817716	1.358530
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	5.288686	4.301091	3.945307
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	5.381228	4.493710	3.887407
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.182941	0.148368	0.130634
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.477885	0.338770	0.296316

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.272491	0.195208	0.162610
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.660478	0.397930	0.308374
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	1.786962	1.433968	1.323572
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	1.242467	0.946157	0.840938
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.765220	0.627049	0.559861
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.234465	0.196198	0.171893
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	4.670284	2.783449	2.341222
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	13.298219	6.440945	4.830692
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	4.088000	1.635396	1.295818
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	14.506522	5.322634	4.476740
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.332971	0.193472	0.162992
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.377239	0.202114	0.174404
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	1.366445	0.291264	0.179886
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	403.784785	421.043159	379.247997
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	35.035953	30.532756	21.109570
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	33.702463	35.375080	31.594142
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	16.724600	17.121362	14.079736
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	2.129116	2.264945	1.970401
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.579999	0.516986	0.381094
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	4.273377	4.535535	3.951862
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	11.693901	9.735943	8.716002
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	35.977194	41.386644	41.269229
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	3.846195	4.622155	4.413331
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	39.641510	38.993850	37.720821
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	1.364257	1.191191	1.119910
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	2.284651	2.106383	1.955659
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	2.055440	2.075570	1.756091
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	474.079435	446.368561	426.867702
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	18.415997	15.373377	14.390808
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	2.777675	2.140009	1.891808
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	67.652540	61.235956	52.281780
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	24.580549	24.087341	21.461388
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	4.532142	4.443134	3.960752
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000218	0.000185	0.000174
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000710	0.000490	0.000407
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000005	0.000005	0.000004
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000493	0.000479	0.000437
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000228	0.000187	0.000171
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.003270	0.003067	0.002669
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.006586	0.006720	0.006280
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000734	0.000712	0.000648
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.001230	0.001130	0.001025
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.001295	0.000707	0.000528
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	202.109750	191.457231	171.474860
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	59.448814	47.281104	37.098742
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	24.055364	18.219299	16.462456

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	37.811073	35.297221	33.228325
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	104.713503	97.611537	77.755264
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	3.705150	3.112450	2.892267
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.004506	0.004188	0.003875
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000077	0.000051	0.000043
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.193597	0.162455	0.149016
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.020238	0.017735	0.017088
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.068936	0.045500	0.039355
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.116953	0.058569	0.046833
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.018034	0.015007	0.014105
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.011892	0.007431	0.006269
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.210964	0.143676	0.125836
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.068452	0.062736	0.060716
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.204458	0.075799	0.054106
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.073735	0.061252	0.057535
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.012280	0.010054	0.009399
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.133786	0.098622	0.088922
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.334685	0.211859	0.179475
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.035685	0.019643	0.015763
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.274253	0.215919	0.199271
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.109896	0.093546	0.088556
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	1.727279	1.485275	1.400085
2267003020	Industrial Equipment	Forklifts	LPG	VOC	164.795119	108.718933	92.551925
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	1.269264	0.597824	0.478402
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.385674	0.221188	0.181126
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.093388	0.079309	0.074420
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.776966	0.269424	0.196292
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.516960	0.301316	0.248382
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000005	0.000004	0.000004
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000004	0.000002	0.000002
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	4.737848	4.731273	4.631602
2267006010	Commercial Equipment	Pumps	LPG	VOC	1.117353	0.961158	0.900727
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	1.358577	1.045908	0.945038
2267006025	Commercial Equipment	Welders	LPG	VOC	2.199160	1.836774	1.674822
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.028606	0.027433	0.026257
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.021177	0.013751	0.011630
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000256	0.000218	0.000206
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.708053	0.459324	0.391413
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000847	0.000545	0.000462
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000553	0.000340	0.000282
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.003037	0.001648	0.001304
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.003225	0.001104	0.000806
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000028	0.000003	0.000002

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.092425	0.087285	0.085088
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.004670	0.003996	0.003792
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.006741	0.004959	0.004483
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.352162	0.020388	0.020970
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.005383	0.000686	0.000416
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.246972	0.217907	0.210692
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	1.968413	1.446158	1.374256
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.007293	0.006109	0.005841
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.122291	0.096658	0.091397
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	5.579787	3.928745	3.723581
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	4.094162	2.834845	2.713632
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.359731	0.265268	0.249323
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.248187	0.178884	0.169339
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	1.206352	0.803638	0.732497
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	3.322291	2.311774	2.162577
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	2.604966	2.237758	2.157436
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	16.154888	12.405179	11.817735
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.267643	0.170640	0.159086
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.125274	0.114611	0.111767
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	4.208389	3.178588	3.030156
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	4.022374	3.104360	2.974016
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	13.922957	9.040367	8.611012
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.857912	0.635975	0.599119
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	8.023287	5.978660	5.585744
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	20.080966	15.503508	14.759105
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	34.665693	30.628909	29.521832
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	17.448731	12.645591	12.042028
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	33.468819	28.234764	26.907315
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	2.360729	1.606990	1.490822
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.101720	0.092162	0.089183
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	2.202863	1.676884	1.597741
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	1.966041	1.822640	1.769737
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	6.939906	5.500357	5.055381
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	3.589382	2.641392	2.505503
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	3.885453	3.046562	2.873888
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.365707	0.333009	0.323250
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	28.743315	19.096651	17.883587
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	3.802191	3.219686	3.054374
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000283	0.000280	0.000278
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.036124	0.033464	0.032704
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	1.696941	1.337992	1.258613
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.375811	0.280269	0.260629
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	1.454634	1.392361	1.361464
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.175392	0.114244	0.109656
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.005403	0.005112	0.004980

Appendix F-2: Philadelphia County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000003	0.000002	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.084924	0.061742	0.058284
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.006185	0.005565	0.005409
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000063	0.000051	0.000048
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000010	0.000008	0.000008
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.000902	0.000695	0.000656
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000001	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000557	0.000528	0.000516
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.001893	0.001392	0.001320
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.001165	0.000846	0.000789
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	15.417476	13.755877	13.320996
2270006010	Commercial Equipment	Pumps	Diesel	VOC	3.390222	3.079775	2.987213
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	7.642123	6.101824	5.751761
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	11.633980	10.194931	9.767378
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.484622	0.446387	0.435905
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.355992	0.270394	0.254993
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.004235	0.002836	0.002624
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	168.262176	199.510488	204.718540
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.071434	0.043660	0.039852
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	378.747000	560.565275	590.883000
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	3.077886	3.269634	3.301592
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	57.442370	59.539020	59.935370
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	44.136790	53.466520	55.020920
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	243.910819	191.915643	181.072333
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	84.563603	55.443100	50.184899
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	16.168471	16.704269	15.920505
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.425024	0.464025	0.464118
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.010678	0.008841	0.008470
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	18.492415	18.248135	18.154003
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC	3.907700	3.856298	3.836189
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.143459	0.130781	0.126917
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.043583	0.034211	0.029629
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000494	0.000394	0.000365
Philadelphia County Total Annual VOC Emissions					**4340.992289**	**3803.833963**	**3606.471368**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	49.443836	80.602516	72.447105
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	48.749859	112.192570	102.614180
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	31.474887	39.861003	35.120930
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	42.619133	41.264038	35.272957
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	2.054335	1.507940	1.315498
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	2.465531	1.819001	1.586865
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.018031	0.013978	0.012194
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	112.621509	104.742758	91.375982
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.480628	0.371161	0.323795
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	1.399941	0.740990	0.595659
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.111537	0.059037	0.047458
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	20.826273	16.923076	14.167730
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	14.287652	11.394597	9.678402
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	271.658660	221.736830	189.108730
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	210.160307	213.752547	189.418707
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	391.900213	290.017552	244.554802
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	142.006708	117.579971	103.604382
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	244.578021	194.937172	165.767297
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	143.206611	132.078105	115.672692
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	156.233056	202.257149	179.238608
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	51.958222	67.264424	59.609175
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.058420	0.046823	0.041332
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.002869	0.001930	0.001681
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	20.101828	17.092472	15.279690
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	141.549288	112.602065	100.404090
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.052385	0.048113	0.043009
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.814202	0.745644	0.666544
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.060671	0.068950	0.061824
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	21.658533	33.864246	30.182590
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	195.242600	349.361240	320.503230
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	655.947080	815.801150	719.834780
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	27.290601	31.686554	27.881175
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	37.566908	44.381209	38.722942
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.297106	0.366274	0.323086
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	69.374695	82.101030	71.872419
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	70.408493	82.308185	71.796206
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	135.831526	163.383992	143.592256
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	61.568258	73.942300	64.874253
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	3.133010	3.721690	3.265471
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	115.142088	134.455678	117.293669
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	33.923041	38.783781	33.773196
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	284.344214	336.863879	294.993547
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	118.931127	138.490409	122.165486
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	4.759591	4.801032	4.044110
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	16.696976	20.021938	17.545388

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	6.212871	5.162875	4.102926
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	14.896045	10.523023	7.834255
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	89.542787	108.295300	94.957904
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	39.613064	44.450079	38.383052
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	18.518575	21.565334	19.001546
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	5.222729	4.877404	4.035367
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	133.386464	103.963512	83.597102
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	301.524588	167.074410	119.802537
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	129.616314	87.169711	68.196602
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	330.667478	258.127798	208.115802
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	10.197482	8.049880	6.469498
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	15.414497	12.930410	10.480403
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	31.312124	9.094203	5.573649
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	4034.230517	5118.839923	4550.362458
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	500.284079	634.078706	560.557932
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	339.817350	430.140260	382.211980
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	243.728910	311.213710	276.382690
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	22.655897	28.847565	25.601954
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	12.424064	16.340831	14.510311
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	43.306015	55.114773	48.897137
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	497.247989	658.500896	584.118907
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	466.761993	600.272457	535.644455
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	155.222084	199.621427	178.129247
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	948.754452	1269.373104	1138.312499
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	64.381838	87.357244	78.001781
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	69.526616	90.274208	80.889653
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	27.928598	35.649532	31.679245
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	12614.726620	16994.559590	15254.925510
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	865.943681	1187.466309	1060.435132
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	115.001359	139.316056	121.531750
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	2678.523621	3450.957229	3067.849103
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	411.764018	522.737488	466.574752
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	75.726915	96.111113	85.779469
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.010111	0.013484	0.011993
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.020451	0.020178	0.016703
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000098	0.000104	0.000089
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.009296	0.009866	0.008401
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.007863	0.010244	0.009158
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.067301	0.082567	0.073081
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.167351	0.206220	0.183002
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.014725	0.015628	0.013306
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.030550	0.035683	0.031178
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.028658	0.020471	0.015026
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	5749.098750	8092.511890	7313.910810
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	1328.466946	1837.068406	1645.743852
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	659.918918	898.161389	803.020526

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	CO	1657.895623	2329.147519	2088.059759
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	2517.899838	3564.893624	3205.865085
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	127.415340	181.352226	163.144792
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.132799	0.184988	0.167999
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.001583	0.002223	0.002003
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	11.774799	13.921850	12.195541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.298857	0.286457	0.277881
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	1.020035	0.893834	0.805854
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	1.734550	1.344105	1.124417
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.266135	0.258665	0.246706
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.176098	0.150860	0.134113
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	3.121391	2.772908	2.519494
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	1.008026	1.025289	0.999701
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	3.041628	2.058335	1.555805
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	1.088341	1.057056	1.007883
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.181288	0.174891	0.166178
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	1.977785	1.819630	1.686581
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	4.956626	4.277135	3.817190
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.529118	0.429361	0.368961
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	4.050470	3.836900	3.611234
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	1.621181	1.592352	1.526972
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	25.457080	25.775239	24.659364
2267003020	Industrial Equipment	Forklifts	LPG	CO	2438.668899	2197.257999	1971.097210
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	18.840307	14.748421	12.197836
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	5.712594	4.828246	4.177800
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	1.376852	1.386426	1.322667
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	11.541929	8.237319	6.392627
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	7.657932	6.374844	5.564348
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000070	0.000065	0.000063
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000060	0.000044	0.000038
2267006005	Commercial Equipment	Generator Sets	LPG	CO	62.179631	74.474953	73.785838
2267006010	Commercial Equipment	Pumps	LPG	CO	14.727712	16.650106	16.036304
2267006015	Commercial Equipment	Air Compressors	LPG	CO	17.958860	19.512819	18.410192
2267006025	Commercial Equipment	Welders	LPG	CO	32.407999	35.018638	32.900335
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.420117	0.483305	0.469210
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.280300	0.287368	0.262256
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.063952	0.062815	0.060236
2268003020	Industrial Equipment	Forklifts	CNG	CO	177.844390	156.523410	140.297300
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.212686	0.186519	0.166739
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.139014	0.119679	0.105740
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.763811	0.623793	0.534033
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.812843	0.566361	0.438900
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000092	0.000048	0.000043
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.007068	0.000790	0.000480

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	CO	20.647221	22.490431	22.143973
2268006010	Commercial Equipment	Pumps	CNG	CO	1.045999	1.094962	1.058397
2268006015	Commercial Equipment	Air Compressors	CNG	CO	1.514485	1.499810	1.409314
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	90.631551	10.553703	10.854554
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	1.368795	0.422576	0.251694
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	0.919056	0.828268	0.804411
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	10.359937	7.775666	7.663624
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.026121	0.027713	0.027918
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.418338	0.413335	0.411138
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	29.810355	23.068826	22.698259
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	26.936946	21.035561	20.613758
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	1.933996	1.478501	1.418752
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	1.459140	1.168202	1.126308
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	3.808417	3.021546	2.879428
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	17.896657	14.597046	14.096508
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	10.750611	9.270605	8.994670
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	82.697086	63.666502	63.461099
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	1.383964	1.100698	1.064802
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.474778	0.461401	0.458148
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	15.097522	11.654427	11.372592
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	19.479995	14.138027	14.111775
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	84.499098	52.852996	52.232515
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	3.535842	2.812241	2.740971
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	44.511979	37.106828	36.384665
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	114.498211	88.690611	86.204701
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	139.860814	134.218732	132.817550
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	97.983930	74.831976	73.586454
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	122.309765	116.774866	114.231374
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	14.846240	10.757552	10.207799
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.349656	0.352591	0.348162
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	14.224111	11.029228	10.627062
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	6.759945	7.027126	6.963637
2270003020	Industrial Equipment	Forklifts	Diesel	CO	41.053450	43.367798	43.645744
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	12.632481	10.276665	10.350698
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	13.701298	11.216849	10.952786
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	1.255458	1.214435	1.198988
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	109.674930	99.760434	101.297328
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	17.361366	16.049212	16.385210
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000856	0.000962	0.000976
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.146743	0.136346	0.133634
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	5.409507	5.024419	4.916989
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	1.182062	1.056625	1.025713
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	5.766235	5.782700	5.755702
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.608196	0.498822	0.504789
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.019299	0.020434	0.020517

Appendix F-2: Philadelphia County Nonroad Source Annual Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	Tons per Year 2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000015	0.000015	0.000014
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.414426	0.327389	0.314258
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.025813	0.024459	0.024183
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000215	0.000211	0.000209
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000049	0.000049	0.000048
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.002907	0.002563	0.002500
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000006	0.000005	0.000005
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.002483	0.002729	0.002763
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.008232	0.006725	0.006498
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.003688	0.003179	0.003104
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	54.417704	52.283941	51.705267
2270006010	Commercial Equipment	Pumps	Diesel	CO	12.654933	12.355252	12.259093
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	28.868945	26.855999	26.662969
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	42.839641	41.206762	40.144992
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	1.638621	1.560583	1.541670
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	1.304387	1.176928	1.167326
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.020038	0.013696	0.013472
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	4342.565444	5212.683863	5357.703600
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.294946	0.186109	0.173329
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	3761.563000	4925.226988	5119.271000
2275070000	Aircraft	Auxiliary Power Units	Other	CO	44.551656	45.360209	45.494968
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	106.772400	112.666200	113.680600
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	41.316140	50.139920	51.612120
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	413.142004	411.990490	349.425209
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	149.509497	158.422935	136.277308
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	208.075841	217.952599	187.464833
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	1.796948	2.092777	2.141892
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.030843	0.027914	0.027246
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	47.118763	51.827009	52.656240
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO	9.956900	10.951820	11.127050
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.610731	0.554311	0.541383
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	1.501272	1.923649	1.703154
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.007307	0.006982	0.006585
Philadelphia County Total Annual CO Emissions					**54624.067062**	**68885.331417**	**63077.452543**

Appendix F-2: Bucks County Nonroad Source Daily Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
			Tons/Summer Day		
Recreational	Diesel	VOC	0.002549	0.002249	0.002175
Recreational	Gasoline	VOC	1.593022	2.376599	2.356768
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.000209	0.000183	0.000176
Construction	Diesel	VOC	0.415031	0.325444	0.310355
Construction	Gasoline	VOC	0.242945	0.133091	0.126107
Construction	CNG	VOC	0.000001	0.000001	0.000000
Construction	LPG	VOC	0.003916	0.002619	0.002307
Industrial	Diesel	VOC	0.092033	0.069582	0.065359
Industrial	Gasoline	VOC	0.114861	0.050873	0.043961
Industrial	CNG	VOC	0.002121	0.001349	0.001148
Industrial	LPG	VOC	0.491707	0.323946	0.275983
Lawn and Garden	Diesel	VOC	0.077553	0.065461	0.062645
Lawn and Garden	Gasoline	VOC	9.915935	6.549783	6.177612
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	0.010811	0.006301	0.005194
Farm	Diesel	VOC	0.052362	0.038753	0.036676
Farm	Gasoline	VOC	0.008998	0.007814	0.007518
Farm	CNG	VOC	0.000015	0.000002	0.000001
Farm	LPG	VOC	0.000005	0.000003	0.000003
Light Commercial	Diesel	VOC	0.134301	0.116790	0.112198
Light Commercial	Gasoline	VOC	1.891808	1.594838	1.500147
Light Commercial	CNG	VOC	0.001573	0.000402	0.000394
Light Commercial	LPG	VOC	0.032649	0.029729	0.028258
Logging	Diesel	VOC	0.000088	0.000059	0.000054
Logging	Gasoline	VOC	0.000629	0.000364	0.000371
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.000008	0.000006	0.000006
Airport Service	Gasoline	VOC	0.000002	0.000001	0.000001
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000001	0.000000	0.000000
Railway Maintenance	Diesel	VOC	0.000163	0.000149	0.000144
Railway Maintenance	Gasoline	VOC	0.000051	0.000041	0.000038
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000001	0.000000	0.000000
Recreational Marine Vessels	Diesel	VOC	0.002133	0.002315	0.002314
Recreational Marine Vessels	Gasoline	VOC	1.941157	1.558415	1.493091
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	0.028069	0.028858	0.029127
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.034162	0.035409	0.035409
Marine Vessels	Residual Oil	VOC	0.011081	0.013423	0.013814
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	0.037342	0.036849	0.036658
Bucks County VOC Totals			**17.139290**	**13.371702**	**12.726013**

Appendix F-2: Bucks County Nonroad Source Daily Emissions by Category

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	NOx	0.007973	0.008047	0.007996
Recreational	Gasoline	NOx	0.046283	0.046937	0.048271
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.000771	0.000668	0.000642
Construction	Diesel	NOx	3.591578	3.122806	3.016461
Construction	Gasoline	NOx	0.031069	0.017762	0.016759
Construction	CNG	NOx	0.000038	0.000031	0.000030
Construction	LPG	NOx	0.014361	0.009364	0.008268
Industrial	Diesel	NOx	0.842805	0.753555	0.724824
Industrial	Gasoline	NOx	0.094484	0.034465	0.028698
Industrial	CNG	NOx	0.131726	0.080978	0.068912
Industrial	LPG	NOx	1.803362	1.147099	0.977456
Lawn and Garden	Diesel	NOx	0.516668	0.553947	0.553976
Lawn and Garden	Gasoline	NOx	1.214687	0.786141	0.756411
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	0.039526	0.022240	0.018388
Farm	Diesel	NOx	0.430345	0.386021	0.375984
Farm	Gasoline	NOx	0.004033	0.002690	0.002541
Farm	CNG	NOx	0.000912	0.000102	0.000064
Farm	LPG	NOx	0.000018	0.000012	0.000011
Light Commercial	Diesel	NOx	0.767352	0.792615	0.786350
Light Commercial	Gasoline	NOx	0.369611	0.268902	0.261748
Light Commercial	CNG	NOx	0.099492	0.034175	0.033499
Light Commercial	LPG	NOx	0.150751	0.136206	0.129535
Logging	Diesel	NOx	0.001205	0.000783	0.000713
Logging	Gasoline	NOx	0.000028	0.000023	0.000023
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.000089	0.000083	0.000081
Airport Service	Gasoline	NOx	0.000002	0.000001	0.000001
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000002	0.000001	0.000001
Railway Maintenance	Diesel	NOx	0.000840	0.000822	0.000810
Railway Maintenance	Gasoline	NOx	0.000015	0.000009	0.000009
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.000002	0.000002	0.000001
Recreational Marine Vessels	Diesel	NOx	0.055829	0.062431	0.062881
Recreational Marine Vessels	Gasoline	NOx	0.082150	0.088260	0.092317
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	0.021410	0.022011	0.022217
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	0.438780	0.446546	0.446546
Marine Vessels	Residual Oil	NOx	0.085941	0.099710	0.102003
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	0.863963	0.658859	0.653156
Bucks County NOx Totals			**11.708101**	**9.584306**	**9.197584**

Appendix F-2: Bucks County Nonroad Source Daily Emissions by Category

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	0.009487	0.008550	0.008303
Recreational	Gasoline	CO	6.126358	9.550034	9.846906
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.003085	0.002957	0.002868
Construction	Diesel	CO	2.009718	1.642822	1.613522
Construction	Gasoline	CO	3.114022	3.557685	3.549962
Construction	CNG	CO	0.000150	0.000147	0.000141
Construction	LPG	CO	0.057948	0.050740	0.045780
Industrial	Diesel	CO	0.393114	0.370775	0.373365
Industrial	Gasoline	CO	2.957960	2.054486	1.835059
Industrial	CNG	CO	0.532972	0.462038	0.412844
Industrial	LPG	CO	7.276366	6.551044	5.875105
Lawn and Garden	Diesel	CO	0.271571	0.258977	0.255647
Lawn and Garden	Gasoline	CO	147.121718	188.126484	191.077031
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	0.160145	0.133313	0.116363
Farm	Diesel	CO	0.250495	0.200973	0.193455
Farm	Gasoline	CO	0.204362	0.236873	0.236147
Farm	CNG	CO	0.003917	0.000459	0.000286
Farm	LPG	CO	0.000071	0.000060	0.000055
Light Commercial	Diesel	CO	0.488992	0.467307	0.460551
Light Commercial	Gasoline	CO	43.765127	61.102013	62.803440
Light Commercial	CNG	CO	0.392780	0.122965	0.122369
Light Commercial	LPG	CO	0.441551	0.505218	0.489474
Logging	Diesel	CO	0.000415	0.000283	0.000279
Logging	Gasoline	CO	0.004146	0.005454	0.005645
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.000041	0.000036	0.000036
Airport Service	Gasoline	CO	0.000053	0.000052	0.000050
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000009	0.000009	0.000008
Railway Maintenance	Diesel	CO	0.000694	0.000630	0.000615
Railway Maintenance	Gasoline	CO	0.001774	0.002273	0.002297
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.000008	0.000008	0.000007
Recreational Marine Vessels	Diesel	CO	0.008949	0.010383	0.010620
Recreational Marine Vessels	Gasoline	CO	3.814089	3.902378	3.822848
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	1.328864	1.366205	1.378962
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.058859	0.062108	0.062108
Marine Vessels	Residual Oil	CO	0.010163	0.012334	0.012696
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	0.095147	0.104654	0.106329
Bucks County CO Totals			**220.905119**	**280.872727**	**284.721174**

Appendix F-2: Chester County Nonroad Source Daily Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Summer Day	
Recreational	Diesel	VOC	0.002549	0.002249	0.002175
Recreational	Gasoline	VOC	1.645508	2.424399	2.404915
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.000209	0.000183	0.000176
Construction	Diesel	VOC	0.598107	0.469001	0.447256
Construction	Gasoline	VOC	0.350112	0.191800	0.181734
Construction	CNG	VOC	0.000001	0.000001	0.000001
Construction	LPG	VOC	0.005643	0.003774	0.003324
Industrial	Diesel	VOC	0.059408	0.044527	0.041818
Industrial	Gasoline	VOC	0.068504	0.030221	0.026081
Industrial	CNG	VOC	0.001261	0.000807	0.000687
Industrial	LPG	VOC	0.294352	0.193925	0.165212
Lawn and Garden	Diesel	VOC	0.072991	0.061610	0.058960
Lawn and Garden	Gasoline	VOC	8.825380	5.726777	5.386751
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	0.010175	0.005931	0.004889
Farm	Diesel	VOC	0.106529	0.078841	0.074616
Farm	Gasoline	VOC	0.018307	0.015898	0.015295
Farm	CNG	VOC	0.000031	0.000004	0.000002
Farm	LPG	VOC	0.000010	0.000007	0.000006
Light Commercial	Diesel	VOC	0.093672	0.081459	0.078256
Light Commercial	Gasoline	VOC	1.319496	1.112366	1.046321
Light Commercial	CNG	VOC	0.001097	0.000281	0.000275
Light Commercial	LPG	VOC	0.022772	0.020735	0.019710
Logging	Diesel	VOC	0.000662	0.000443	0.000410
Logging	Gasoline	VOC	0.004751	0.002751	0.002806
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.000033	0.000027	0.000026
Airport Service	Gasoline	VOC	0.000009	0.000006	0.000005
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000003	0.000002	0.000002
Railway Maintenance	Diesel	VOC	0.000795	0.000725	0.000703
Railway Maintenance	Gasoline	VOC	0.000248	0.000199	0.000187
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000003	0.000002	0.000002
Recreational Marine Vessels	Diesel	VOC	0.000561	0.000609	0.000609
Recreational Marine Vessels	Gasoline	VOC	0.510831	0.410109	0.392919
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	0.025065	0.025769	0.026009
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	VOC	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	0.050728	0.048492	0.048242
Chester County VOC Totals			**14.089805**	**10.953928**	**10.430378**

Appendix F-2: Chester County Nonroad Source Daily Emissions by Category

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	NOx	0.007973	0.008047	0.007996
Recreational	Gasoline	NOx	0.062452	0.058001	0.059416
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.000771	0.000668	0.000642
Construction	Diesel	NOx	5.175868	4.500315	4.347059
Construction	Gasoline	NOx	0.044773	0.025598	0.024151
Construction	CNG	NOx	0.000054	0.000045	0.000043
Construction	LPG	NOx	0.020696	0.013494	0.011915
Industrial	Diesel	NOx	0.535795	0.481597	0.463773
Industrial	Gasoline	NOx	0.056459	0.020561	0.017108
Industrial	CNG	NOx	0.078350	0.048415	0.041210
Industrial	LPG	NOx	1.079552	0.686691	0.585138
Lawn and Garden	Diesel	NOx	0.486275	0.521362	0.521389
Lawn and Garden	Gasoline	NOx	1.100431	0.707994	0.680793
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	0.037201	0.020932	0.017306
Farm	Diesel	NOx	0.875525	0.785349	0.764929
Farm	Gasoline	NOx	0.008206	0.005473	0.005170
Farm	CNG	NOx	0.001856	0.000208	0.000129
Farm	LPG	NOx	0.000036	0.000024	0.000022
Light Commercial	Diesel	NOx	0.535212	0.552832	0.548463
Light Commercial	Gasoline	NOx	0.257796	0.187553	0.182564
Light Commercial	CNG	NOx	0.069394	0.023836	0.023365
Light Commercial	LPG	NOx	0.105146	0.095001	0.090348
Logging	Diesel	NOx	0.009107	0.005921	0.005389
Logging	Gasoline	NOx	0.000215	0.000172	0.000173
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.000393	0.000365	0.000356
Airport Service	Gasoline	NOx	0.000008	0.000004	0.000003
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000010	0.000006	0.000005
Railway Maintenance	Diesel	NOx	0.004098	0.004009	0.003949
Railway Maintenance	Gasoline	NOx	0.000075	0.000046	0.000045
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.000010	0.000008	0.000007
Recreational Marine Vessels	Diesel	NOx	0.014692	0.016429	0.016548
Recreational Marine Vessels	Gasoline	NOx	0.021618	0.023226	0.024294
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	0.029516	0.030346	0.030629
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	NOx	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	1.136954	0.867041	0.859537
Chester County NOx Totals			**11.756517**	**9.691571**	**9.333866**

Appendix F-2: Chester County Nonroad Source Daily Emissions by Category

			Tons/Summer Day		
Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	0.009487	0.008550	0.008303
Recreational	Gasoline	CO	8.834582	12.918252	13.239599
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.003085	0.002957	0.002868
Construction	Diesel	CO	2.896230	2.367492	2.325267
Construction	Gasoline	CO	4.487656	5.127025	5.115895
Construction	CNG	CO	0.000216	0.000212	0.000203
Construction	LPG	CO	0.083509	0.073122	0.065975
Industrial	Diesel	CO	0.251757	0.237035	0.238844
Industrial	Gasoline	CO	1.752859	1.207901	1.076389
Industrial	CNG	CO	0.316899	0.275985	0.246806
Industrial	LPG	CO	4.355874	3.921673	3.517033
Lawn and Garden	Diesel	CO	0.255596	0.243743	0.240609
Lawn and Garden	Gasoline	CO	132.776638	169.643845	172.264855
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	0.150725	0.125471	0.109519
Farm	Diesel	CO	0.509624	0.408873	0.393579
Farm	Gasoline	CO	0.415768	0.481911	0.480434
Farm	CNG	CO	0.007970	0.000933	0.000582
Farm	LPG	CO	0.000144	0.000122	0.000112
Light Commercial	Diesel	CO	0.341061	0.325937	0.321225
Light Commercial	Gasoline	CO	30.525258	42.617372	43.804082
Light Commercial	CNG	CO	0.273956	0.085766	0.085350
Light Commercial	LPG	CO	0.307973	0.352379	0.341398
Logging	Diesel	CO	0.003133	0.002142	0.002107
Logging	Gasoline	CO	0.031340	0.041225	0.042670
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.000182	0.000159	0.000158
Airport Service	Gasoline	CO	0.000235	0.000232	0.000220
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000041	0.000038	0.000034
Railway Maintenance	Diesel	CO	0.003384	0.003072	0.003000
Railway Maintenance	Gasoline	CO	0.008651	0.011085	0.011204
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.000040	0.000039	0.000036
Recreational Marine Vessels	Diesel	CO	0.002355	0.002732	0.002795
Recreational Marine Vessels	Gasoline	CO	1.003708	1.026942	1.006013
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	1.158248	1.190795	1.201914
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	CO	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	0.125211	0.137723	0.139926
Chester County CO Totals			**190.893394**	**242.842738**	**246.289004**

Appendix F-2: Delaware County Nonroad Source Daily Emissions by SCC

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Summer Day	
Recreational	Diesel	VOC	0.001275	0.001125	0.001087
Recreational	Gasoline	VOC	0.817505	1.207419	1.197643
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.000104	0.000092	0.000088
Construction	Diesel	VOC	0.205230	0.160930	0.153468
Construction	Gasoline	VOC	0.120135	0.065813	0.062359
Construction	CNG	VOC	0.000000	0.000000	0.000000
Construction	LPG	VOC	0.001936	0.001295	0.001141
Industrial	Diesel	VOC	0.060066	0.044295	0.041585
Industrial	Gasoline	VOC	0.059670	0.026371	0.022772
Industrial	CNG	VOC	0.001098	0.000701	0.000597
Industrial	LPG	VOC	0.255509	0.168335	0.143411
Lawn and Garden	Diesel	VOC	0.039930	0.033704	0.032254
Lawn and Garden	Gasoline	VOC	6.101182	4.232316	4.020691
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	0.005566	0.003244	0.002674
Farm	Diesel	VOC	0.000585	0.000433	0.000410
Farm	Gasoline	VOC	0.000101	0.000087	0.000084
Farm	CNG	VOC	0.000000	0.000000	0.000000
Farm	LPG	VOC	0.000000	0.000000	0.000000
Light Commercial	Diesel	VOC	0.066962	0.058231	0.055942
Light Commercial	Gasoline	VOC	0.943254	0.795185	0.747972
Light Commercial	CNG	VOC	0.000784	0.000201	0.000197
Light Commercial	LPG	VOC	0.016279	0.014823	0.014090
Logging	Diesel	VOC	0.000026	0.000018	0.000016
Logging	Gasoline	VOC	0.000189	0.000109	0.000111
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.000000	0.000000	0.000000
Airport Service	Gasoline	VOC	0.000000	0.000000	0.000000
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	VOC	0.000319	0.000290	0.000282
Railway Maintenance	Gasoline	VOC	0.000100	0.000080	0.000075
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000001	0.000001	0.000001
Recreational Marine Vessels	Diesel	VOC	0.000954	0.001036	0.001035
Recreational Marine Vessels	Gasoline	VOC	0.868412	0.697186	0.667962
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	0.000000	0.000000	0.000000
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.127115	0.131755	0.132632
Marine Vessels	Residual Oil	VOC	0.080013	0.096927	0.099745
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	0.019919	0.019656	0.019555
Delaware County VOC Totals			**9.794222**	**7.761658**	**7.419879**

Appendix F-2: Delaware County Nonroad Source Daily Emissions by SCC

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	NOx	0.003987	0.004024	0.003998
Recreational	Gasoline	NOx	0.029609	0.027894	0.028594
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.000386	0.000334	0.000321
Construction	Diesel	NOx	1.776009	1.544205	1.491618
Construction	Gasoline	NOx	0.015363	0.008783	0.008287
Construction	CNG	NOx	0.000019	0.000015	0.000015
Construction	LPG	NOx	0.007101	0.004630	0.004088
Industrial	Diesel	NOx	0.527946	0.478694	0.461887
Industrial	Gasoline	NOx	0.049077	0.017883	0.014884
Industrial	CNG	NOx	0.068208	0.042076	0.035810
Industrial	LPG	NOx	0.937095	0.596076	0.507923
Lawn and Garden	Diesel	NOx	0.266017	0.285212	0.285226
Lawn and Garden	Gasoline	NOx	0.709182	0.467203	0.450368
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	0.020351	0.011451	0.009467
Farm	Diesel	NOx	0.004810	0.004315	0.004202
Farm	Gasoline	NOx	0.000045	0.000030	0.000028
Farm	CNG	NOx	0.000010	0.000001	0.000001
Farm	LPG	NOx	0.000000	0.000000	0.000000
Light Commercial	Diesel	NOx	0.382601	0.395197	0.392074
Light Commercial	Gasoline	NOx	0.184288	0.134074	0.130507
Light Commercial	CNG	NOx	0.049607	0.017040	0.016702
Light Commercial	LPG	NOx	0.075165	0.067912	0.064586
Logging	Diesel	NOx	0.000362	0.000235	0.000214
Logging	Gasoline	NOx	0.000009	0.000007	0.000007
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.000000	0.000000	0.000000
Airport Service	Gasoline	NOx	0.000000	0.000000	0.000000
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	NOx	0.001643	0.001607	0.001583
Railway Maintenance	Gasoline	NOx	0.000030	0.000019	0.000018
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.000004	0.000003	0.000003
Recreational Marine Vessels	Diesel	NOx	0.024976	0.027929	0.028131
Recreational Marine Vessels	Gasoline	NOx	0.036751	0.039485	0.041300
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	0.000000	0.000000	0.000000
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	1.632652	1.661550	1.668734
Marine Vessels	Residual Oil	NOx	0.695949	0.807453	0.826022
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	0.460864	0.351455	0.348413
Delaware County NOx Totals			**7.960115**	**6.996791**	**6.825013**

Appendix F-2: Delaware County Nonroad Source Daily Emissions by SCC

			Tons/Summer Day		
Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	0.004743	0.004275	0.004152
Recreational	Gasoline	CO	4.146469	6.122304	6.280530
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.001542	0.001478	0.001434
Construction	Diesel	CO	0.993791	0.812364	0.797875
Construction	Gasoline	CO	1.539861	1.759250	1.755430
Construction	CNG	CO	0.000074	0.000073	0.000070
Construction	LPG	CO	0.028655	0.025091	0.022638
Industrial	Diesel	CO	0.250968	0.235222	0.237238
Industrial	Gasoline	CO	1.531681	1.058861	0.944407
Industrial	CNG	CO	0.275910	0.239937	0.214506
Industrial	LPG	CO	3.781075	3.404170	3.052927
Lawn and Garden	Diesel	CO	0.139824	0.133340	0.131625
Lawn and Garden	Gasoline	CO	86.886837	111.376162	113.200589
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	0.082454	0.068639	0.059912
Farm	Diesel	CO	0.002800	0.002246	0.002162
Farm	Gasoline	CO	0.002284	0.002648	0.002639
Farm	CNG	CO	0.000044	0.000005	0.000003
Farm	LPG	CO	0.000001	0.000001	0.000001
Light Commercial	Diesel	CO	0.243811	0.232999	0.229631
Light Commercial	Gasoline	CO	21.821269	30.465431	31.313762
Light Commercial	CNG	CO	0.195840	0.061310	0.061013
Light Commercial	LPG	CO	0.220157	0.251902	0.244052
Logging	Diesel	CO	0.000124	0.000085	0.000084
Logging	Gasoline	CO	0.001244	0.001637	0.001694
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.000000	0.000000	0.000000
Airport Service	Gasoline	CO	0.000000	0.000000	0.000000
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	CO	0.001357	0.001231	0.001203
Railway Maintenance	Gasoline	CO	0.003468	0.004444	0.004491
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.000016	0.000016	0.000015
Recreational Marine Vessels	Diesel	CO	0.004003	0.004645	0.004751
Recreational Marine Vessels	Gasoline	CO	1.706303	1.745801	1.710222
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	0.000000	0.000000	0.000000
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.219008	0.231097	0.233177
Marine Vessels	Residual Oil	CO	0.081284	0.098644	0.101540
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	0.050754	0.055826	0.056719
Delaware County CO Totals			**124.217651**	**158.401129**	**160.670490**

Appendix F-2: Montgomery County Nonroad Source Daily Emissions by Category

Equipment Type	Fuel	Pollutant	2002 (Tons/Summer Day)	2008 (Tons/Summer Day)	2009 (Tons/Summer Day)
Recreational	Diesel	VOC	0.003399	0.002999	0.002900
Recreational	Gasoline	VOC	2.249995	3.283518	3.257909
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.000279	0.000244	0.000235
Construction	Diesel	VOC	0.621344	0.487222	0.464633
Construction	Gasoline	VOC	0.363714	0.199251	0.188794
Construction	CNG	VOC	0.000001	0.000001	0.000001
Construction	LPG	VOC	0.005862	0.003921	0.003453
Industrial	Diesel	VOC	0.138532	0.105702	0.099297
Industrial	Gasoline	VOC	0.188408	0.084235	0.073017
Industrial	CNG	VOC	0.003501	0.002198	0.001868
Industrial	LPG	VOC	0.798658	0.526172	0.448267
Lawn and Garden	Diesel	VOC	0.125017	0.105525	0.100986
Lawn and Garden	Gasoline	VOC	15.194665	9.877095	9.293184
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	0.017427	0.010158	0.008373
Farm	Diesel	VOC	0.026680	0.019746	0.018687
Farm	Gasoline	VOC	0.004585	0.003982	0.003831
Farm	CNG	VOC	0.000008	0.000001	0.000001
Farm	LPG	VOC	0.000002	0.000002	0.000002
Light Commercial	Diesel	VOC	0.169569	0.147460	0.141662
Light Commercial	Gasoline	VOC	2.388606	2.013650	1.894093
Light Commercial	CNG	VOC	0.001986	0.000508	0.000498
Light Commercial	LPG	VOC	0.041223	0.037536	0.035679
Logging	Diesel	VOC	0.000158	0.000106	0.000098
Logging	Gasoline	VOC	0.001132	0.000655	0.000668
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.000026	0.000022	0.000021
Airport Service	Gasoline	VOC	0.000007	0.000004	0.000004
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000002	0.000001	0.000001
Railway Maintenance	Diesel	VOC	0.000629	0.000573	0.000556
Railway Maintenance	Gasoline	VOC	0.000197	0.000158	0.000148
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000002	0.000002	0.000002
Recreational Marine Vessels	Diesel	VOC	0.000617	0.000670	0.000670
Recreational Marine Vessels	Gasoline	VOC	0.561914	0.451120	0.432210
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	0.025045	0.025746	0.025987
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	VOC	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	0.065624	0.064757	0.064423
Montgomery County VOC Totals			**22.998815**	**17.454939**	**16.562157**

Appendix F-2: Montgomery County Nonroad Source Daily Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Summer Day	
Recreational	Diesel	NOx	0.010631	0.010730	0.010662
Recreational	Gasoline	NOx	0.100515	0.089137	0.091109
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.001028	0.000890	0.000856
Construction	Diesel	NOx	5.376955	4.675157	4.515947
Construction	Gasoline	NOx	0.046513	0.026592	0.025090
Construction	CNG	NOx	0.000056	0.000047	0.000044
Construction	LPG	NOx	0.021500	0.014018	0.012378
Industrial	Diesel	NOx	1.291729	1.147555	1.102302
Industrial	Gasoline	NOx	0.154178	0.056460	0.047095
Industrial	CNG	NOx	0.217264	0.131969	0.112250
Industrial	LPG	NOx	2.929123	1.863183	1.587640
Lawn and Garden	Diesel	NOx	0.832883	0.892979	0.893026
Lawn and Garden	Gasoline	NOx	1.891295	1.217482	1.170775
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	0.063717	0.035852	0.029641
Farm	Diesel	NOx	0.219273	0.196688	0.191574
Farm	Gasoline	NOx	0.002055	0.001371	0.001295
Farm	CNG	NOx	0.000465	0.000052	0.000032
Farm	LPG	NOx	0.000009	0.000006	0.000006
Light Commercial	Diesel	NOx	0.968862	1.000759	0.992850
Light Commercial	Gasoline	NOx	0.466673	0.339517	0.330485
Light Commercial	CNG	NOx	0.125619	0.043150	0.042296
Light Commercial	LPG	NOx	0.190339	0.171975	0.163552
Logging	Diesel	NOx	0.002169	0.001410	0.001284
Logging	Gasoline	NOx	0.000051	0.000041	0.000041
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.000310	0.000288	0.000281
Airport Service	Gasoline	NOx	0.000006	0.000003	0.000002
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000008	0.000005	0.000004
Railway Maintenance	Diesel	NOx	0.003242	0.003171	0.003124
Railway Maintenance	Gasoline	NOx	0.000059	0.000037	0.000036
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.000008	0.000006	0.000006
Recreational Marine Vessels	Diesel	NOx	0.016161	0.018072	0.018202
Recreational Marine Vessels	Gasoline	NOx	0.023780	0.025549	0.026723
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	0.031733	0.032622	0.032927
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	NOx	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	1.518313	1.157866	1.147845
Montgomery County NOx Totals			**16.506524**	**13.154639**	**12.551379**

Appendix F-2: Montgomery County Nonroad Source Daily Emissions by Category

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	0.012649	0.011399	0.011071
Recreational	Gasoline	CO	14.668216	20.817101	21.271671
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.004113	0.003942	0.003824
Construction	Diesel	CO	3.008751	2.459471	2.415606
Construction	Gasoline	CO	4.662006	5.326215	5.314652
Construction	CNG	CO	0.000224	0.000220	0.000211
Construction	LPG	CO	0.086754	0.075963	0.068538
Industrial	Diesel	CO	0.596962	0.563571	0.567018
Industrial	Gasoline	CO	4.926589	3.483622	3.127624
Industrial	CNG	CO	0.879751	0.754653	0.672991
Industrial	LPG	CO	11.818687	10.640578	9.542679
Lawn and Garden	Diesel	CO	0.437780	0.417479	0.412110
Lawn and Garden	Gasoline	CO	228.281218	291.688611	296.201509
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	0.258159	0.214904	0.187581
Farm	Diesel	CO	0.127634	0.102401	0.098571
Farm	Gasoline	CO	0.104128	0.120693	0.120323
Farm	CNG	CO	0.001996	0.000234	0.000146
Farm	LPG	CO	0.000036	0.000030	0.000028
Light Commercial	Diesel	CO	0.617403	0.590025	0.581494
Light Commercial	Gasoline	CO	55.258072	77.147712	79.295942
Light Commercial	CNG	CO	0.495926	0.155256	0.154504
Light Commercial	LPG	CO	0.557505	0.637891	0.618013
Logging	Diesel	CO	0.000746	0.000510	0.000502
Logging	Gasoline	CO	0.007465	0.009820	0.010164
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.000144	0.000126	0.000125
Airport Service	Gasoline	CO	0.000185	0.000183	0.000174
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000032	0.000030	0.000027
Railway Maintenance	Diesel	CO	0.002677	0.002430	0.002373
Railway Maintenance	Gasoline	CO	0.006844	0.008769	0.008863
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.000032	0.000031	0.000029
Recreational Marine Vessels	Diesel	CO	0.002590	0.003005	0.003074
Recreational Marine Vessels	Gasoline	CO	1.104078	1.129636	1.106614
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	0.886442	0.911263	0.919773
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	CO	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	0.167210	0.183918	0.186861
Montgomery County CO Totals			**328.983005**	**417.461693**	**422.904687**

Appendix F-2: Philadelphia County Nonroad Source Daily Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Summer Day	
Recreational	Diesel	VOC	0.000850	0.000750	0.000725
Recreational	Gasoline	VOC	0.562499	0.820879	0.814477
Recreational	CNG	VOC	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.000070	0.000061	0.000059
Construction	Diesel	VOC	0.653070	0.512100	0.488357
Construction	Gasoline	VOC	0.382285	0.209425	0.198434
Construction	CNG	VOC	0.000001	0.000001	0.000001
Construction	LPG	VOC	0.006162	0.004121	0.003630
Industrial	Diesel	VOC	0.141951	0.103428	0.097076
Industrial	Gasoline	VOC	0.123375	0.054277	0.046798
Industrial	CNG	VOC	0.002261	0.001453	0.001237
Industrial	LPG	VOC	0.530167	0.349285	0.297570
Lawn and Garden	Diesel	VOC	0.017838	0.015056	0.014409
Lawn and Garden	Gasoline	VOC	7.732019	6.220407	6.026178
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	0.002487	0.001449	0.001195
Farm	Diesel	VOC	0.000480	0.000355	0.000336
Farm	Gasoline	VOC	0.000082	0.000072	0.000069
Farm	CNG	VOC	0.000000	0.000000	0.000000
Farm	LPG	VOC	0.000000	0.000000	0.000000
Light Commercial	Diesel	VOC	0.122075	0.106158	0.101984
Light Commercial	Gasoline	VOC	1.719584	1.449649	1.363579
Light Commercial	CNG	VOC	0.001430	0.000366	0.000359
Light Commercial	LPG	VOC	0.029677	0.027022	0.025686
Logging	Diesel	VOC	0.000013	0.000009	0.000008
Logging	Gasoline	VOC	0.000095	0.000055	0.000056
Logging	CNG	VOC	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.508940	0.590015	0.603528
Airport Service	Gasoline	VOC	0.000000	0.000000	0.000000
Airport Service	CNG	VOC	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	VOC	0.000486	0.000443	0.000430
Railway Maintenance	Gasoline	VOC	0.000152	0.000122	0.000114
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000002	0.000001	0.000001
Recreational Marine Vessels	Diesel	VOC	0.001123	0.001218	0.001218
Recreational Marine Vessels	Gasoline	VOC	1.021662	0.820218	0.785837
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000
Aircraft	Other	VOC	1.141997	1.640968	1.724129
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.157376	0.163121	0.164206
Marine Vessels	Residual Oil	VOC	0.120923	0.146484	0.150742
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	0.061370	0.060560	0.060247
Philadelphia County VOC Totals			**15.042501**	**13.299531**	**12.972674**

Appendix F-2: Philadelphia County Nonroad Source Daily Emissions by Category

Equipment Type	Fuel	Pollutant	2002	2008	2009
				Tons/Summer Day	
Recreational	Diesel	NOx	0.002658	0.002682	0.002665
Recreational	Gasoline	NOx	0.025129	0.022284	0.022777
Recreational	CNG	NOx	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.000257	0.000223	0.000214
Construction	Diesel	NOx	5.651507	4.913874	4.746535
Construction	Gasoline	NOx	0.048888	0.027950	0.026371
Construction	CNG	NOx	0.000059	0.000049	0.000047
Construction	LPG	NOx	0.022597	0.014734	0.013010
Industrial	Diesel	NOx	1.221999	1.116139	1.078673
Industrial	Gasoline	NOx	0.101645	0.036964	0.030740
Industrial	CNG	NOx	0.140485	0.087201	0.074231
Industrial	LPG	NOx	1.944418	1.236823	1.053911
Lawn and Garden	Diesel	NOx	0.118837	0.127412	0.127418
Lawn and Garden	Gasoline	NOx	0.736189	0.521296	0.506126
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	0.009091	0.005115	0.004229
Farm	Diesel	NOx	0.003941	0.003535	0.003443
Farm	Gasoline	NOx	0.000037	0.000025	0.000023
Farm	CNG	NOx	0.000008	0.000001	0.000001
Farm	LPG	NOx	0.000000	0.000000	0.000000
Light Commercial	Diesel	NOx	0.697495	0.720458	0.714764
Light Commercial	Gasoline	NOx	0.335963	0.244422	0.237920
Light Commercial	CNG	NOx	0.090435	0.031064	0.030449
Light Commercial	LPG	NOx	0.137027	0.123807	0.117743
Logging	Diesel	NOx	0.000183	0.000119	0.000108
Logging	Gasoline	NOx	0.000004	0.000003	0.000003
Logging	CNG	NOx	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.702138	0.745292	0.752485
Airport Service	Gasoline	NOx	0.000000	0.000000	0.000000
Airport Service	CNG	NOx	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	NOx	0.002505	0.002450	0.002414
Railway Maintenance	Gasoline	NOx	0.000046	0.000028	0.000028
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.000006	0.000005	0.000004
Recreational Marine Vessels	Diesel	NOx	0.029384	0.032858	0.033095
Recreational Marine Vessels	Gasoline	NOx	0.043237	0.046452	0.048588
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000
Aircraft	Other	NOx	6.560821	8.931631	9.326766
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	2.012544	2.048166	2.057021
Marine Vessels	Residual Oil	NOx	0.959662	1.113418	1.139023
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	1.419900	1.082816	1.073445
Philadelphia County NOx Totals			**23.019095**	**23.239297**	**23.224272**

Appendix F-2: Philadelphia County Nonroad Source Daily Emissions by Category

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2008	2009
Recreational	Diesel	CO	0.003162	0.002850	0.002768
Recreational	Gasoline	CO	3.667054	5.204275	5.317918
Recreational	CNG	CO	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.001028	0.000986	0.000956
Construction	Diesel	CO	3.162381	2.585054	2.538949
Construction	Gasoline	CO	4.900052	5.598177	5.586023
Construction	CNG	CO	0.000235	0.000231	0.000222
Construction	LPG	CO	0.091183	0.079842	0.072037
Industrial	Diesel	CO	0.586738	0.548395	0.553565
Industrial	Gasoline	CO	3.143906	2.153221	1.915122
Industrial	CNG	CO	0.568041	0.496716	0.444509
Industrial	LPG	CO	7.845512	7.063457	6.334647
Lawn and Garden	Diesel	CO	0.062463	0.059567	0.058800
Lawn and Garden	Gasoline	CO	94.572169	122.418291	124.761521
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	0.036834	0.030663	0.026764
Farm	Diesel	CO	0.002294	0.001840	0.001772
Farm	Gasoline	CO	0.001871	0.002169	0.002163
Farm	CNG	CO	0.000036	0.000004	0.000003
Farm	LPG	CO	0.000001	0.000001	0.000001
Light Commercial	Diesel	CO	0.444476	0.424765	0.418624
Light Commercial	Gasoline	CO	39.780907	55.539505	57.086040
Light Commercial	CNG	CO	0.357023	0.111771	0.111229
Light Commercial	LPG	CO	0.401354	0.459225	0.444914
Logging	Diesel	CO	0.000063	0.000043	0.000042
Logging	Gasoline	CO	0.000629	0.000827	0.000856
Logging	CNG	CO	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	13.406724	15.511107	15.861838
Airport Service	Gasoline	CO	0.000000	0.000000	0.000000
Airport Service	CNG	CO	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	CO	0.002069	0.001878	0.001834
Railway Maintenance	Gasoline	CO	0.005288	0.006776	0.006849
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.000025	0.000024	0.000022
Recreational Marine Vessels	Diesel	CO	0.004710	0.005465	0.005589
Recreational Marine Vessels	Gasoline	CO	2.007415	2.053883	2.012025
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000
Aircraft	Other	CO	11.199292	14.790093	15.388560
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.292527	0.308675	0.311454
Marine Vessels	Residual Oil	CO	0.113195	0.137370	0.141403
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000
Railroads	Diesel	CO	0.156372	0.171997	0.174749
Philadelphia County CO Totals			**186.817030**	**235.769140**	**239.583769**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.002035	0.002556	0.002823
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.002058	0.003511	0.003917
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.003044	0.001730	0.001694
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.000692	0.000283	0.000263
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.000010	0.000017	0.000017
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.000012	0.000021	0.000021
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000000	0.000000	0.000000
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.001657	0.000675	0.000676
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000003	0.000004	0.000004
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.000010	0.000010	0.000009
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000001	0.000001	0.000001
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000052	0.000087	0.000094
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000581	0.001077	0.001140
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.000426	0.000808	0.000855
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	0.016575	0.007973	0.008121
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.001043	0.001817	0.001917
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.007914	0.011268	0.011413
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.000621	0.001159	0.001225
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.012601	0.010744	0.010644
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000002	0.000005	0.000005
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000003	0.000006	0.000006
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.000145	0.000291	0.000299
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.001155	0.001983	0.002038
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000000	0.000001	0.000001
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.000007	0.000012	0.000012
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000008	0.000004	0.000004
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.002392	0.002780	0.002878
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	0.021599	0.025639	0.026178
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	0.012935	0.008851	0.008916
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.002221	0.001869	0.001866
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.001053	0.000584	0.000553
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000006	0.000003	0.000003
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.001250	0.000767	0.000682
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.001804	0.000940	0.000887
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.002626	0.001617	0.001537
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.001091	0.000641	0.000630
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.000051	0.000029	0.000029
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.003177	0.001749	0.001648
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.000998	0.000662	0.000597
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.005404	0.003045	0.002960
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.002040	0.001519	0.001442

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.000523	0.000322	0.000301
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.000353	0.000213	0.000207
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.000902	0.000491	0.000439
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.002231	0.001034	0.000870
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.001695	0.001011	0.000994
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.002378	0.001392	0.001295
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.000334	0.000250	0.000242
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.000778	0.000493	0.000462
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	0.013128	0.006295	0.005655
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	0.055423	0.020392	0.016517
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	0.009869	0.002798	0.002260
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	0.008717	0.003061	0.002705
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.000870	0.000407	0.000365
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.000134	0.000053	0.000049
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	0.005724	0.001050	0.000739
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	0.038473	0.032681	0.030422
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	0.075004	0.050412	0.041528
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.003265	0.002759	0.002565
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.037807	0.030280	0.027510
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.000221	0.000175	0.000159
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.001945	0.001322	0.001214
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.000424	0.000336	0.000304
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	0.128362	0.080852	0.078215
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	0.010035	0.007108	0.007045
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.010404	0.006970	0.007071
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.010977	0.008989	0.008960
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.004300	0.003544	0.003260
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	0.137879	0.095956	0.094846
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	0.145321	0.094827	0.096172
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	0.046441	0.024342	0.021929
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	0.508940	0.297254	0.286895
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.003781	0.003366	0.003243
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.011294	0.010028	0.009662
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000042	0.000027	0.000028
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.000470	0.000240	0.000209
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000004	0.000003	0.000002
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000334	0.000244	0.000236
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000034	0.000024	0.000024
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.000543	0.000416	0.000402
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.000521	0.000489	0.000499
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.000529	0.000386	0.000373
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.000632	0.000463	0.000448

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.000920	0.000393	0.000314
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	0.156666	0.122384	0.120740
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	0.047413	0.031811	0.030073
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	0.032672	0.020406	0.019460
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	0.058993	0.040626	0.040127
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	0.069113	0.049023	0.046612
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.003445	0.002364	0.002385
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.000020	0.000019	0.000019
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000000	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000002	0.000001	0.000001
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.000607	0.000398	0.000398
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.000771	0.000668	0.000642
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.000592	0.000379	0.000328
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.000997	0.000483	0.000390
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.000156	0.000127	0.000119
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.000102	0.000062	0.000052
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.001811	0.001198	0.001050
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.000596	0.000538	0.000519
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.001726	0.000621	0.000462
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.000637	0.000518	0.000485
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.000106	0.000085	0.000079
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.001151	0.000826	0.000743
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.002864	0.001751	0.001483
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.000304	0.000161	0.000130
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.002367	0.001821	0.001677
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.000952	0.000794	0.000749
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	0.018652	0.015673	0.014739
2267003020	Industrial Equipment	Forklifts	LPG	NOx	1.757993	1.119469	0.953024
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	0.013415	0.006114	0.004975
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.004103	0.002272	0.001871
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.001007	0.000835	0.000781
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	0.008192	0.002736	0.002067
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	0.039526	0.022240	0.018388
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000010	0.000008	0.000008
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000008	0.000004	0.000003
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	0.080503	0.079570	0.077670
2267006010	Commercial Equipment	Pumps	LPG	NOx	0.018747	0.015996	0.014980
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	0.022601	0.017280	0.015630
2267006025	Commercial Equipment	Welders	LPG	NOx	0.028179	0.022785	0.020729
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.000370	0.000346	0.000330
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.000351	0.000229	0.000196
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000002	0.000001	0.000001
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.000038	0.000031	0.000030
2268003020	Industrial Equipment	Forklifts	CNG	NOx	0.127996	0.080143	0.068273

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.000153	0.000095	0.000081
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.000100	0.000059	0.000049
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.000207	0.000109	0.000087
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.000577	0.000190	0.000143
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000012	0.000006	0.000005
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.000901	0.000096	0.000058
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	0.026386	0.024683	0.023999
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.001323	0.001122	0.001063
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.001893	0.001379	0.001247
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	0.069890	0.006991	0.007190
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.002694	0.000382	0.000279
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	0.007973	0.008047	0.007996
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	0.047746	0.040403	0.038891
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.000105	0.000091	0.000088
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.001637	0.001423	0.001378
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	0.118465	0.103428	0.100437
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	0.137156	0.114233	0.109635
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	0.007550	0.006548	0.006328
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.005088	0.004671	0.004575
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	0.014306	0.012969	0.012701
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	0.055108	0.051690	0.050681
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	0.065426	0.061233	0.059906
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	0.473522	0.385536	0.366119
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.003705	0.003517	0.003480
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.002458	0.002355	0.002316
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	0.128954	0.108242	0.103878
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	0.120316	0.096913	0.092160
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	0.446620	0.376390	0.361654
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	0.022641	0.019733	0.019037
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	0.151359	0.139045	0.135104
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	0.579836	0.500079	0.482940
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	0.352277	0.332398	0.326393
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	0.509494	0.428240	0.411038
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	0.225869	0.225608	0.222986
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	0.061495	0.054761	0.052962
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.000727	0.000726	0.000720
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	0.059717	0.052574	0.051051
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	0.019393	0.019035	0.018767
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	0.204656	0.182225	0.173676
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	0.108501	0.093874	0.090124
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	0.123573	0.106568	0.102330
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.005715	0.005307	0.005183
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	0.233659	0.225741	0.220816

Appendix F-2: Bucks County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	0.140019	0.115217	0.108665
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.000029	0.000033	0.000034
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	0.180045	0.192674	0.193327
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	0.039733	0.039022	0.038671
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	0.269023	0.294031	0.293823
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	0.027131	0.027405	0.027337
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.000706	0.000782	0.000784
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000009	0.000006	0.000006
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.374139	0.334277	0.325451
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.037934	0.034823	0.034008
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000163	0.000164	0.000163
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000035	0.000033	0.000032
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.002688	0.002635	0.002602
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000004	0.000004	0.000004
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.002656	0.002522	0.002475
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.007816	0.007034	0.006863
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.004902	0.004523	0.004381
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	0.350497	0.366198	0.364985
2270006010	Commercial Equipment	Pumps	Diesel	NOx	0.083442	0.086949	0.086475
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	0.210616	0.209369	0.205011
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	0.101978	0.108904	0.108884
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	0.011709	0.012171	0.012132
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	0.009110	0.009024	0.008864
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.001205	0.000783	0.000713
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.000089	0.000083	0.000081
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.007289	0.005588	0.005264
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	0.021410	0.022011	0.022217
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.438780	0.446546	0.448477
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.085941	0.099710	0.102003
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	0.025931	0.031374	0.033457
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.007260	0.010188	0.010927
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	0.048959	0.046697	0.047933
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	0.055620	0.062209	0.062658
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.000209	0.000221	0.000223
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	0.863963	0.658859	0.653156
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NOx	0.000000	0.000000	0.000000

Appendix F-2: Bucks County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.000840	0.000822	0.000810
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.000015	0.000009	0.000009
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000002	0.000002	0.000001
Bucks County Total Summer Day NOx Emissions					**11.708101**	**9.584306**	**9.199515**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	0.620455	0.832377	0.834781
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	0.618645	1.065495	1.037205
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	0.014606	0.012402	0.012257
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	0.041819	0.020504	0.018348
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.002542	0.000656	0.000658
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.003026	0.000778	0.000780
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.000022	0.000007	0.000007
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	0.111330	0.044901	0.045024
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.000561	0.000156	0.000156
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.002005	0.000391	0.000362
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.000159	0.000031	0.000028
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.015521	0.007716	0.006734
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.155458	0.051989	0.043827
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	0.127232	0.051590	0.045987
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	1.172337	0.504374	0.513742
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.298222	0.125891	0.113082
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	1.475963	0.426160	0.419057
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	0.201041	0.093783	0.086033
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	1.414937	0.514661	0.487564
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	0.027976	0.031501	0.032086
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	0.007634	0.008596	0.008756
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.000636	0.000163	0.000162
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.000850	0.000228	0.000219
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	0.036656	0.010796	0.011094
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	0.249701	0.076840	0.078547
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.000088	0.000029	0.000030
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.001375	0.000445	0.000457
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.000520	0.000259	0.000267
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	0.025220	0.034859	0.035212
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	0.256016	0.377841	0.383662
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	0.041988	0.038240	0.038518
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	0.016093	0.015386	0.015133
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.002136	0.001598	0.001556
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.000019	0.000015	0.000014
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	0.008373	0.006924	0.005599
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.003457	0.002692	0.002646
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	0.012283	0.009611	0.008573
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.004296	0.003014	0.002898
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.000297	0.000193	0.000180
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	0.008467	0.005698	0.005438
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.005141	0.004439	0.003633
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	0.012312	0.010084	0.010023
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	0.013587	0.011588	0.010823

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.000431	0.000352	0.000332
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.001127	0.000814	0.000772
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.000633	0.000455	0.000407
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.001525	0.000921	0.000768
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.004237	0.003445	0.003436
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.003013	0.002339	0.002233
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.001986	0.001675	0.001599
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.000550	0.000461	0.000432
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	0.014217	0.008557	0.007714
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	0.037893	0.018358	0.014785
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	0.011918	0.004860	0.004167
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	0.041685	0.015632	0.014217
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.001018	0.000600	0.000542
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.000453	0.000251	0.000231
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.003908	0.000841	0.000563
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	0.623885	0.660065	0.638794
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	0.712106	0.622388	0.467684
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.052015	0.055317	0.053282
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.338817	0.347033	0.311430
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.003348	0.003603	0.003399
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.011843	0.010596	0.008526
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	0.006833	0.007346	0.006939
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	0.238445	0.199270	0.193710
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	0.055620	0.062628	0.063792
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	0.016965	0.019103	0.019458
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	0.071008	0.072855	0.073419
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	0.028266	0.024886	0.025220
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	0.050091	0.046989	0.046363
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	0.042373	0.042895	0.039522
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	0.812116	0.804413	0.807565
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	0.379770	0.319706	0.323909
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	0.057119	0.044246	0.042387
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	1.385289	1.258042	1.168473
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.035921	0.035919	0.034629
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.097148	0.096058	0.092081
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000118	0.000101	0.000102
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000380	0.000263	0.000235
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000003	0.000003	0.000003
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000277	0.000270	0.000261
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000126	0.000104	0.000102
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.001810	0.001708	0.001595
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.003661	0.003743	0.003711
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000407	0.000395	0.000382
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.000675	0.000623	0.000604

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.000692	0.000378	0.000304
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	0.787739	0.774127	0.747085
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	0.207507	0.168983	0.144761
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	0.082886	0.063988	0.062343
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	0.134609	0.127869	0.129464
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	0.378106	0.360425	0.315042
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	0.013140	0.011336	0.011325
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.000107	0.000104	0.000104
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000002	0.000001	0.000001
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000002	0.000001	0.000001
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.001603	0.001352	0.001352
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.000209	0.000183	0.000176
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.000161	0.000106	0.000092
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.000274	0.000137	0.000110
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.000042	0.000035	0.000033
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.000028	0.000017	0.000015
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.000493	0.000336	0.000294
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.000160	0.000147	0.000142
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.000478	0.000177	0.000127
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.000172	0.000143	0.000135
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.000029	0.000024	0.000022
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.000313	0.000231	0.000208
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.000783	0.000496	0.000420
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.000083	0.000046	0.000037
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.000642	0.000505	0.000466
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.000257	0.000219	0.000207
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.005024	0.004320	0.004072
2267003020	Industrial Equipment	Forklifts	LPG	VOC	0.479337	0.316229	0.269205
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.003692	0.001739	0.001392
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.001122	0.000643	0.000527
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.000272	0.000231	0.000216
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.002260	0.000784	0.000571
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.010811	0.006301	0.005194
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000003	0.000002	0.000002
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000002	0.000001	0.000001
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	0.016347	0.016324	0.015980
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.003855	0.003316	0.003108
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.004688	0.003609	0.003261
2267006025	Commercial Equipment	Welders	LPG	VOC	0.007588	0.006337	0.005779
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.000099	0.000095	0.000091
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.000073	0.000047	0.000040
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000001	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000001	0.000001	0.000000
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.002060	0.001336	0.001138

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000002	0.000002	0.000001
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000002	0.000001	0.000001
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.000003	0.000002	0.000001
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.000009	0.000003	0.000002
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000015	0.000002	0.000001
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.000319	0.000301	0.000294
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.000016	0.000014	0.000013
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.000023	0.000017	0.000015
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.001215	0.000070	0.000072
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.000045	0.000006	0.000003
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.002549	0.002249	0.002175
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.004604	0.003383	0.003215
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.000017	0.000014	0.000014
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.000286	0.000226	0.000214
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	0.013052	0.009190	0.008710
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	0.009577	0.006631	0.006348
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.000841	0.000621	0.000583
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.000581	0.000418	0.000396
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.002822	0.001880	0.001713
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	0.007771	0.005408	0.005059
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.006093	0.005235	0.005047
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	0.037789	0.029018	0.027644
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.000626	0.000399	0.000372
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.000293	0.000268	0.000261
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	0.009844	0.007435	0.007088
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	0.009409	0.007262	0.006957
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	0.032568	0.021147	0.020143
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.002007	0.001488	0.001401
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	0.018768	0.013985	0.013066
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	0.046973	0.036266	0.034524
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	0.081089	0.071647	0.069057
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	0.040816	0.029580	0.028169
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	0.078290	0.066046	0.062941
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.005522	0.003759	0.003487
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.000238	0.000216	0.000209
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.005153	0.003923	0.003737
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.005719	0.005301	0.005148
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	0.020186	0.015999	0.014705
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	0.010440	0.007683	0.007288
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	0.011302	0.008861	0.008359
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.001064	0.000969	0.000940
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	0.031666	0.021038	0.019702

Appendix F-2: Bucks County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	0.011059	0.009365	0.008884
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000006	0.000006	0.000006
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	0.035487	0.027981	0.026321
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.007859	0.005861	0.005450
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	0.030420	0.029118	0.028471
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.003668	0.002389	0.002293
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.000113	0.000107	0.000104
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000002	0.000001	0.000001
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.046464	0.033781	0.031889
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.003384	0.003045	0.002959
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000034	0.000028	0.000026
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000006	0.000005	0.000004
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.000494	0.000380	0.000359
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000001	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000305	0.000289	0.000282
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.001036	0.000762	0.000722
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.000638	0.000463	0.000432
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	0.053195	0.047462	0.045961
2270006010	Commercial Equipment	Pumps	Diesel	VOC	0.011697	0.010626	0.010307
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	0.026368	0.021053	0.019845
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	0.040141	0.035176	0.033700
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.001672	0.001540	0.001504
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.001228	0.000933	0.000880
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.000088	0.000059	0.000054
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.000008	0.000006	0.000006
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.000598	0.000365	0.000333
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	0.028069	0.028858	0.029127
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.034162	0.035409	0.035645
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.011081	0.013423	0.013814
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	1.377715	1.131634	1.088988
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	0.430849	0.289056	0.266254
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	0.132594	0.137725	0.137849
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.002081	0.002272	0.002272
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.000052	0.000043	0.000041
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	0.037342	0.036849	0.036658
2285002010	Railroad Equipment	Yard Locomotives	Diesel	VOC	0.000000	0.000000	0.000000

Appendix F-2: Bucks County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.000163	0.000149	0.000144
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.000051	0.000041	0.000038
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000001	0.000000	0.000000
Bucks County Total Summer Day VOC Emissions					**17.139513**	**13.371928**	**12.726476**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	0.510367	0.831991	0.859551
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	0.503203	1.158068	1.217470
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	0.324888	0.411451	0.416694
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	0.099694	0.096524	0.094839
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.004805	0.003527	0.003537
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.005767	0.004255	0.004267
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.000042	0.000033	0.000033
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	0.263442	0.245013	0.245684
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.001124	0.000868	0.000871
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.004072	0.002155	0.001991
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.000324	0.000172	0.000159
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	0.027195	0.022098	0.021265
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	0.298788	0.238287	0.232641
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	0.222040	0.181237	0.177665
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	2.750968	2.797990	2.849958
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	0.511742	0.378704	0.367056
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	2.969690	2.458870	2.490354
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	0.319369	0.254548	0.248803
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	2.994783	2.762059	2.780442
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.001222	0.000979	0.000994
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.001570	0.001056	0.001057
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	0.069357	0.058974	0.060597
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	0.488388	0.388511	0.398189
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.000181	0.000166	0.000171
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.002809	0.002573	0.002643
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.001255	0.001426	0.001470
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	0.232497	0.363522	0.369864
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	2.095867	3.750282	3.927511
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	2.166580	2.694574	2.714155
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	0.292956	0.340145	0.341662
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	0.091388	0.107965	0.107534
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.000723	0.000891	0.000897
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	0.168766	0.199725	0.199591
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	0.171281	0.200229	0.199380
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	0.330433	0.397459	0.398759
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	0.149775	0.179877	0.180157
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.007622	0.009054	0.009068
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	0.280103	0.327086	0.325727
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	0.082524	0.094348	0.093789
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	0.691716	0.819479	0.819203
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	0.289320	0.336902	0.339256

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	0.011579	0.011679	0.011231
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	0.040618	0.048707	0.048724
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	0.015114	0.012560	0.011394
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	0.036237	0.025599	0.021756
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	0.217828	0.263447	0.263700
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	0.096366	0.108132	0.106591
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	0.045050	0.052461	0.052768
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	0.012705	0.011865	0.011206
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	0.403485	0.314483	0.288671
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	0.912092	0.505389	0.413693
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	0.392081	0.263683	0.235491
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	1.000248	0.780820	0.718649
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	0.030847	0.024350	0.022340
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	0.017660	0.014814	0.013707
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	0.094717	0.027509	0.019246
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	5.478423	6.951305	7.054020
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	10.880225	13.790004	13.916743
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	0.461467	0.584124	0.592509
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	5.300639	6.768305	6.861639
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.030766	0.039175	0.039688
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.270200	0.355382	0.360242
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	0.058809	0.074845	0.075801
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	10.814196	14.321141	14.501681
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	1.288394	1.723789	1.764624
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	1.400182	1.899853	1.936518
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	1.512071	1.963292	2.008214
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	0.607394	0.775309	0.786488
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	17.130603	23.078350	23.648349
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	18.832625	25.825130	26.326990
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	2.501060	3.029859	3.017219
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	58.252783	75.051746	76.164229
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	0.559169	0.709869	0.723289
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	1.646916	2.090234	2.129612
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.005753	0.007672	0.007790
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.011637	0.011481	0.010849
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000056	0.000059	0.000058
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.005290	0.005614	0.005456
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.004474	0.005829	0.005949
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.038294	0.046980	0.047469
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.095222	0.117338	0.118866
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.008378	0.008892	0.008643
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.017383	0.020303	0.020251

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.016306	0.011648	0.009760
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	20.628900	29.037533	29.958626
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	4.766802	6.591765	6.741158
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	2.367919	3.222780	3.289265
2265006025	Commercial Equipment	Welders	4 Stroke	CO	5.948857	8.357441	8.552935
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	9.034722	12.791542	13.131596
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	0.457191	0.650728	0.668260
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.002857	0.003980	0.004126
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.000034	0.000048	0.000049
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000053	0.000052	0.000050
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	0.102433	0.121111	0.121111
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.003085	0.002957	0.002868
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.002386	0.002091	0.001885
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.004057	0.003144	0.002630
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.000623	0.000605	0.000577
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.000412	0.000353	0.000314
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.007302	0.006486	0.005894
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.002358	0.002398	0.002338
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.007115	0.004815	0.003639
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.002546	0.002473	0.002358
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.000424	0.000409	0.000389
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.004626	0.004256	0.003945
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	0.011594	0.010005	0.008929
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.001238	0.001004	0.000863
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	0.009475	0.008975	0.008447
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.003792	0.003725	0.003572
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	0.074047	0.074972	0.071726
2267003020	Industrial Equipment	Forklifts	LPG	CO	7.093326	6.391137	5.733306
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	0.054801	0.042899	0.035480
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	0.016616	0.014044	0.012152
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.004005	0.004033	0.003847
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	0.033572	0.023960	0.018594
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	0.160145	0.133313	0.116363
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000038	0.000035	0.000034
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000033	0.000024	0.000021
2267006005	Commercial Equipment	Generator Sets	LPG	CO	0.214539	0.256961	0.254584
2267006010	Commercial Equipment	Pumps	LPG	CO	0.050815	0.057448	0.055330
2267006015	Commercial Equipment	Air Compressors	LPG	CO	0.061964	0.067325	0.063521
2267006025	Commercial Equipment	Welders	LPG	CO	0.111817	0.120825	0.113516
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.001450	0.001668	0.001619
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.000967	0.000992	0.000905
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000009	0.000009	0.000008
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.000150	0.000147	0.000141
2268003020	Industrial Equipment	Forklifts	CNG	CO	0.517294	0.455278	0.408081

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.000619	0.000543	0.000485
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.000404	0.000348	0.000308
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.000841	0.000687	0.000588
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.002364	0.001647	0.001277
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000050	0.000027	0.000023
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.003867	0.000432	0.000263
2268006005	Commercial Equipment	Generator Sets	CNG	CO	0.071239	0.077599	0.076403
2268006010	Commercial Equipment	Pumps	CNG	CO	0.003609	0.003778	0.003652
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.005225	0.005175	0.004863
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	0.312706	0.036413	0.037452
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	0.011450	0.003535	0.002105
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	0.009487	0.008550	0.008303
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	0.024234	0.018189	0.017927
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.000061	0.000065	0.000065
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.000979	0.000967	0.000962
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	0.069732	0.053962	0.053095
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	0.063010	0.049206	0.048219
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.004524	0.003458	0.003319
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.003413	0.002733	0.002635
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	0.008909	0.007068	0.006736
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	0.041864	0.034145	0.032974
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	0.025148	0.021686	0.021040
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	0.193444	0.148928	0.148447
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.003237	0.002575	0.002491
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.001111	0.001079	0.001072
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	0.035316	0.027262	0.026603
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	0.045567	0.033071	0.033010
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	0.197659	0.123633	0.122181
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	0.008271	0.006578	0.006412
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	0.104122	0.086800	0.085110
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	0.267832	0.207464	0.201649
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	0.327160	0.313962	0.310685
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	0.229202	0.175046	0.172132
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	0.286105	0.273158	0.267208
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	0.034728	0.025164	0.023878
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.000818	0.000825	0.000814
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	0.033273	0.025799	0.024859
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	0.019663	0.020440	0.020255
2270003020	Industrial Equipment	Forklifts	Diesel	CO	0.119412	0.126143	0.126952
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	0.036744	0.029892	0.030107
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	0.039853	0.032626	0.031858
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.003652	0.003532	0.003487
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	0.120825	0.109903	0.111596

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	0.050499	0.046682	0.047659
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000018	0.000020	0.000020
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	0.113125	0.105072	0.102826
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	0.024720	0.022096	0.021450
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	0.120585	0.120930	0.120365
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.012719	0.010432	0.010556
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.000404	0.000427	0.000429
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000008	0.000008	0.000008
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.226744	0.179124	0.171939
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.014123	0.013382	0.013231
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000118	0.000116	0.000114
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000027	0.000027	0.000027
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.001591	0.001402	0.001368
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000003	0.000003	0.000002
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.001359	0.001493	0.001512
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.004504	0.003679	0.003555
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.002018	0.001739	0.001699
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	0.187758	0.180395	0.178399
2270006010	Commercial Equipment	Pumps	Diesel	CO	0.043663	0.042629	0.042298
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	0.099607	0.092661	0.091995
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	0.147810	0.142176	0.138512
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.005654	0.005384	0.005319
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.004501	0.004061	0.004028
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.000415	0.000283	0.000279
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.000041	0.000036	0.000036
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.002467	0.001557	0.001450
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	1.328864	1.366205	1.378962
2275001000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.058859	0.062108	0.062667
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.010163	0.012334	0.012696
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	2.022687	2.017049	1.966365
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	0.731978	0.775617	0.766891
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	1.059424	1.109712	1.089592
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.008798	0.010246	0.010486
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.000151	0.000137	0.000133
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	0.095147	0.104654	0.106329
2285002010	Railroad Equipment	Yard Locomotives	Diesel	CO	0.000000	0.000000	0.000000

Appendix F-2: Bucks County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.000694	0.000630	0.000615
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.001774	0.002273	0.002297
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.000008	0.000008	0.000007
Bucks County Total Summer Day CO Emissions					**220.905119**	**280.872727**	**284.721733**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.002035	0.002556	0.002823
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.002058	0.003511	0.003917
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.003044	0.001730	0.001694
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.000997	0.000408	0.000379
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.000015	0.000025	0.000025
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.000018	0.000030	0.000030
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000000	0.000000	0.000000
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.002388	0.000972	0.000975
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000004	0.000006	0.000006
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.000006	0.000006	0.000006
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000038	0.000063	0.000068
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000547	0.001014	0.001073
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.000308	0.000584	0.000618
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	0.015600	0.007504	0.007643
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.000754	0.001313	0.001386
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.007449	0.010605	0.010742
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.000449	0.000838	0.000886
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.011860	0.010112	0.010018
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000002	0.000005	0.000005
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000007	0.000012	0.000012
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.000101	0.000203	0.000209
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.000806	0.001383	0.001421
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000000	0.000001	0.000001
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.000005	0.000008	0.000009
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000063	0.000028	0.000029
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.002392	0.002780	0.002878
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	0.021599	0.025639	0.026178
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	0.029103	0.019915	0.020060
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.002221	0.001869	0.001866
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.001517	0.000842	0.000797
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000008	0.000005	0.000005
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.001802	0.001106	0.000982
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.002599	0.001355	0.001278
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.003784	0.002331	0.002215
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.001573	0.000924	0.000908
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.000074	0.000042	0.000041
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.004579	0.002521	0.002375
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.001439	0.000953	0.000861
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.007788	0.004388	0.004265
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.002940	0.002189	0.002078
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.000754	0.000465	0.000433
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.000509	0.000306	0.000298

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.001299	0.000707	0.000632
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.003215	0.001490	0.001254
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.002442	0.001457	0.001433
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.003428	0.002005	0.001866
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.000481	0.000360	0.000349
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.001122	0.000711	0.000666
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	0.007859	0.003768	0.003386
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	0.033178	0.012207	0.009888
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	0.005908	0.001675	0.001353
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	0.005218	0.001832	0.001619
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.000521	0.000244	0.000219
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.000099	0.000040	0.000036
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	0.003426	0.000628	0.000442
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	0.027817	0.023629	0.021996
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	0.070592	0.047447	0.039085
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.002361	0.001995	0.001855
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.035583	0.028499	0.025892
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.000160	0.000127	0.000115
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.001830	0.001245	0.001142
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.000307	0.000243	0.000220
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	0.120811	0.076096	0.073614
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	0.007256	0.005140	0.005094
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.009792	0.006560	0.006655
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.010331	0.008461	0.008433
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.004047	0.003336	0.003068
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	0.099691	0.069379	0.068577
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	0.136772	0.089249	0.090515
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	0.043709	0.022910	0.020639
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	0.479002	0.279769	0.270019
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.002734	0.002434	0.002345
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.010630	0.009438	0.009093
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000086	0.000056	0.000056
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.000956	0.000487	0.000424
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000007	0.000005	0.000005
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000680	0.000496	0.000480
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000070	0.000050	0.000049
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.001105	0.000846	0.000818
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.001060	0.000995	0.001016
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.001076	0.000786	0.000760
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.001287	0.000942	0.000912
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.001872	0.000799	0.000638
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	0.109271	0.085360	0.084213
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	0.033070	0.022188	0.020975
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	0.022788	0.014233	0.013573

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	0.041146	0.028336	0.027988
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	0.048205	0.034193	0.032511
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.002403	0.001649	0.001664
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.000150	0.000143	0.000143
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000002	0.000001	0.000001
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000008	0.000004	0.000003
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.000243	0.000159	0.000159
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.000771	0.000668	0.000642
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.000853	0.000547	0.000473
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.001436	0.000696	0.000563
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.000225	0.000183	0.000172
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.000147	0.000089	0.000075
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.002609	0.001727	0.001512
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.000859	0.000775	0.000748
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.002487	0.000895	0.000666
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.000919	0.000747	0.000699
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.000153	0.000122	0.000114
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.001659	0.001190	0.001070
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.004128	0.002523	0.002137
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.000439	0.000233	0.000188
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.003411	0.002624	0.002417
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.001371	0.001144	0.001080
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	0.011165	0.009382	0.008823
2267003020	Industrial Equipment	Forklifts	LPG	NOx	1.052393	0.670152	0.570512
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	0.008031	0.003660	0.002978
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.002456	0.001360	0.001120
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.000603	0.000500	0.000467
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	0.004904	0.001638	0.001237
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	0.037201	0.020932	0.017306
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000019	0.000016	0.000016
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000016	0.000008	0.000006
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	0.056149	0.055498	0.054173
2267006010	Commercial Equipment	Pumps	LPG	NOx	0.013076	0.011157	0.010448
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	0.015764	0.012052	0.010901
2267006025	Commercial Equipment	Welders	LPG	NOx	0.019654	0.015892	0.014458
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.000258	0.000241	0.000230
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.000245	0.000160	0.000137
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000010	0.000006	0.000005
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.000054	0.000045	0.000043
2268003020	Industrial Equipment	Forklifts	CNG	NOx	0.076622	0.047976	0.040870
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.000092	0.000057	0.000048
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.000060	0.000035	0.000029
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.000153	0.000080	0.000064
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.000345	0.000114	0.000086
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000023	0.000012	0.000011
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.001832	0.000196	0.000119

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	0.018404	0.017216	0.016739
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.000923	0.000783	0.000741
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.001320	0.000962	0.000870
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	0.048747	0.004876	0.005015
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.001078	0.000153	0.000112
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	0.007973	0.008047	0.007996
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	0.068807	0.058226	0.056046
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.000151	0.000131	0.000127
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.002359	0.002051	0.001986
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	0.170722	0.149052	0.144742
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	0.197657	0.164622	0.157997
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	0.010881	0.009436	0.009119
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.007332	0.006731	0.006594
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	0.020617	0.018690	0.018304
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	0.079417	0.074491	0.073037
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	0.094286	0.088244	0.086331
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	0.682399	0.555601	0.527619
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.005340	0.005069	0.005015
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.003542	0.003394	0.003337
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	0.185838	0.155989	0.149700
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	0.173388	0.139663	0.132814
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	0.643630	0.542421	0.521185
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	0.032628	0.028438	0.027435
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	0.218125	0.200379	0.194700
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	0.835608	0.720670	0.695971
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	0.507670	0.479023	0.470369
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	0.734238	0.617142	0.592352
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	0.325503	0.325126	0.321348
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	0.088622	0.078916	0.076325
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.001048	0.001047	0.001038
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	0.086059	0.075765	0.073570
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	0.011609	0.011395	0.011234
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	0.122514	0.109086	0.103968
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	0.064952	0.056196	0.053951
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	0.073975	0.063795	0.061258
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.003421	0.003177	0.003102
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	0.172588	0.166740	0.163102
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	0.083820	0.068973	0.065051
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.000028	0.000031	0.000032
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	0.169454	0.181340	0.181955
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	0.037396	0.036727	0.036397
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	0.253198	0.276735	0.276539
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	0.025535	0.025793	0.025729
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.000665	0.000736	0.000738

Appendix F-2: Chester County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000018	0.000013	0.000013
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.761175	0.680078	0.662120
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.077176	0.070846	0.069189
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000331	0.000334	0.000332
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000071	0.000066	0.000065
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.005469	0.005360	0.005293
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000009	0.000009	0.000009
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.005404	0.005130	0.005034
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.015901	0.014310	0.013962
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.009973	0.009202	0.008913
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	0.244464	0.255415	0.254569
2270006010	Commercial Equipment	Pumps	Diesel	NOx	0.058199	0.060645	0.060314
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	0.146900	0.146030	0.142991
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	0.071128	0.075958	0.075945
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	0.008167	0.008489	0.008462
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	0.006354	0.006294	0.006182
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.009107	0.005921	0.005389
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.000393	0.000365	0.000356
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.002916	0.002235	0.002106
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	0.029516	0.030346	0.030629
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	0.006824	0.008256	0.008804
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.001910	0.002681	0.002875
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	0.012884	0.012289	0.012614
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	0.014637	0.016371	0.016489
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.000055	0.000058	0.000059
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	1.136955	0.867041	0.859537
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.004098	0.004009	0.003949
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.000075	0.000046	0.000045
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000010	0.000008	0.000007
Chester County Total Summer Day NOx Emissions					**11.756519**	**9.691571**	**9.333866**

Appendix F-2: Chester County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	0.620455	0.832377	0.834781
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	0.618645	1.065495	1.037205
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	0.014606	0.012402	0.012257
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	0.060266	0.029548	0.026441
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.003664	0.000946	0.000948
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.004360	0.001121	0.001124
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.000031	0.000009	0.000010
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	0.160439	0.064707	0.064884
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.000808	0.000224	0.000225
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.001200	0.000234	0.000216
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.000095	0.000018	0.000017
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.011222	0.005579	0.004869
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.146313	0.048931	0.041249
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	0.091993	0.037302	0.033250
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	1.103376	0.474705	0.483522
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.215625	0.091024	0.081762
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	1.389142	0.401091	0.394406
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	0.145359	0.067809	0.062205
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	1.331705	0.484387	0.458883
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	0.020618	0.023216	0.023647
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	0.007185	0.008091	0.008241
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.000598	0.000153	0.000152
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.001728	0.000463	0.000446
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	0.025567	0.007530	0.007737
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	0.174161	0.053595	0.054785
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.000062	0.000020	0.000021
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.000959	0.000311	0.000319
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.003930	0.001955	0.002015
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	0.025220	0.034859	0.035212
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	0.256016	0.377841	0.383662
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	0.094474	0.086039	0.086664
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	0.016093	0.015386	0.015133
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.003078	0.002303	0.002242
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.000027	0.000021	0.000021
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	0.012066	0.009978	0.008069
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.004981	0.003879	0.003813
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	0.017702	0.013851	0.012355
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.006192	0.004343	0.004177
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.000427	0.000279	0.000260
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	0.012202	0.008211	0.007836
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.007408	0.006397	0.005235
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	0.017742	0.014532	0.014444
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	0.019581	0.016700	0.015597
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.000622	0.000507	0.000478
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.001624	0.001173	0.001112

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.000912	0.000656	0.000586
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.002197	0.001328	0.001106
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.006106	0.004964	0.004952
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.004341	0.003370	0.003218
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.002863	0.002414	0.002304
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.000792	0.000664	0.000623
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	0.008511	0.005122	0.004618
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	0.022684	0.010990	0.008851
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	0.007134	0.002909	0.002494
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	0.024954	0.009358	0.008511
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.000610	0.000359	0.000324
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.000335	0.000185	0.000171
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.002340	0.000504	0.000337
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	0.451091	0.477250	0.461871
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	0.670217	0.585777	0.440174
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.037608	0.039996	0.038525
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.318887	0.326619	0.293111
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.002421	0.002605	0.002458
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.011146	0.009973	0.008024
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	0.004940	0.005311	0.005017
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	0.224419	0.187548	0.182316
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	0.040990	0.046156	0.047013
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	0.015967	0.017979	0.018313
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	0.051342	0.052677	0.053084
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	0.026603	0.023422	0.023736
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	0.047145	0.044225	0.043635
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	0.039881	0.040372	0.037198
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	0.587189	0.581619	0.583898
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	0.357431	0.300899	0.304855
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	0.053759	0.041644	0.039893
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	1.303801	1.184040	1.099739
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.025972	0.025971	0.025038
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.091433	0.090408	0.086665
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000241	0.000205	0.000208
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000773	0.000535	0.000479
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000005	0.000005	0.000005
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000564	0.000549	0.000531
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000256	0.000211	0.000207
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.003682	0.003474	0.003245
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.007448	0.007615	0.007550
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000828	0.000803	0.000777
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.001373	0.001267	0.001228
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.001407	0.000770	0.000618
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	0.549432	0.539938	0.521076
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	0.144732	0.117862	0.100968
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	0.057812	0.044630	0.043483

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	0.093887	0.089186	0.090298
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	0.263721	0.251389	0.219735
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	0.009165	0.007906	0.007899
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.000809	0.000788	0.000783
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000012	0.000008	0.000007
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000009	0.000006	0.000005
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.000641	0.000541	0.000541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.000209	0.000183	0.000176
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.000232	0.000153	0.000133
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.000394	0.000197	0.000158
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.000061	0.000051	0.000048
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.000040	0.000025	0.000021
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.000711	0.000484	0.000424
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.000231	0.000211	0.000205
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.000689	0.000256	0.000182
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.000249	0.000206	0.000194
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.000041	0.000034	0.000032
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.000451	0.000332	0.000300
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.001128	0.000714	0.000605
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.000120	0.000066	0.000053
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.000925	0.000728	0.000672
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.000370	0.000315	0.000299
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.003008	0.002586	0.002438
2267003020	Industrial Equipment	Forklifts	LPG	VOC	0.286947	0.189305	0.161155
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.002210	0.001041	0.000833
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.000672	0.000385	0.000315
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.000163	0.000138	0.000130
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.001353	0.000469	0.000342
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.010175	0.005931	0.004889
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000005	0.000005	0.000004
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000004	0.000002	0.000002
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	0.011402	0.011386	0.011146
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.002689	0.002313	0.002168
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.003269	0.002517	0.002274
2267006025	Commercial Equipment	Welders	LPG	VOC	0.005292	0.004420	0.004030
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.000069	0.000066	0.000063
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.000051	0.000033	0.000028
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000003	0.000002	0.000002
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000001	0.000001	0.000001
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.001233	0.000800	0.000682
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000001	0.000001	0.000001
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000001	0.000001	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.000002	0.000001	0.000001
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.000006	0.000002	0.000001
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000031	0.000003	0.000002

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.000222	0.000210	0.000205
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.000011	0.000010	0.000009
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.000016	0.000012	0.000011
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.000847	0.000049	0.000050
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.000018	0.000002	0.000001
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.002549	0.002249	0.002175
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.006636	0.004875	0.004633
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.000025	0.000021	0.000020
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.000412	0.000326	0.000308
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	0.018810	0.013244	0.012552
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	0.013802	0.009556	0.009148
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.001213	0.000894	0.000840
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.000837	0.000603	0.000571
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.004067	0.002709	0.002469
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	0.011200	0.007793	0.007290
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.008781	0.007544	0.007273
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	0.054459	0.041818	0.039838
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.000902	0.000575	0.000536
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.000422	0.000386	0.000377
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	0.014187	0.010715	0.010215
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	0.013560	0.010465	0.010025
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	0.046935	0.030475	0.029028
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.002892	0.002144	0.002020
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	0.027047	0.020154	0.018830
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	0.067693	0.052263	0.049753
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	0.116859	0.103251	0.099519
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	0.058820	0.042629	0.040594
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	0.112824	0.095180	0.090705
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.007958	0.005417	0.005026
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.000343	0.000311	0.000301
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.007426	0.005653	0.005386
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.003423	0.003174	0.003082
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	0.012084	0.009577	0.008803
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	0.006250	0.004599	0.004363
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	0.006765	0.005305	0.005004
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.000637	0.000580	0.000563
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	0.023389	0.015539	0.014552
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	0.006621	0.005606	0.005318
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000006	0.000006	0.000005
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	0.033400	0.026335	0.024772
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.007397	0.005516	0.005130
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	0.028630	0.027405	0.026797
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.003452	0.002249	0.002158
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.000106	0.000101	0.000098

Appendix F-2: Chester County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000003	0.000002	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.094531	0.068726	0.064877
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.006884	0.006194	0.006021
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000070	0.000057	0.000054
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000011	0.000009	0.000009
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.001004	0.000774	0.000730
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000001	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000620	0.000587	0.000574
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.002107	0.001550	0.001470
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.001297	0.000942	0.000879
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	0.037102	0.033104	0.032057
2270006010	Commercial Equipment	Pumps	Diesel	VOC	0.008159	0.007412	0.007189
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	0.018391	0.014684	0.013842
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	0.027997	0.024534	0.023505
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.001166	0.001074	0.001049
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.000857	0.000651	0.000614
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.000662	0.000443	0.000410
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.000033	0.000027	0.000026
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.000239	0.000146	0.000133
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	0.025065	0.025769	0.026009
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	0.362556	0.297798	0.286576
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	0.113381	0.076067	0.070067
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	0.034893	0.036243	0.036276
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.000548	0.000598	0.000598
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.000014	0.000011	0.000011
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	0.049141	0.048492	0.048242
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.000795	0.000725	0.000703
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.000248	0.000199	0.000187
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000003	0.000002	0.000002
Chester County Total Summer Day VOC Emissions					**14.088539**	**10.954254**	**10.430705**

Appendix F-2: Chester County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	0.510367	0.831991	0.859551
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	0.503203	1.158068	1.217470
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	0.324888	0.411451	0.416694
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	0.143670	0.139102	0.136674
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.006925	0.005083	0.005097
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.008311	0.006132	0.006149
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.000061	0.000047	0.000047
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	0.379650	0.353091	0.354059
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.001620	0.001251	0.001255
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.002438	0.001290	0.001192
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.000194	0.000103	0.000095
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	0.019663	0.015978	0.015375
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	0.281212	0.224271	0.218956
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	0.160543	0.131041	0.128458
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	2.589146	2.633402	2.682313
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	0.370008	0.273816	0.265395
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	2.795002	2.314230	2.343862
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	0.230915	0.184048	0.179893
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	2.818619	2.599585	2.616886
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.001150	0.000922	0.000935
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.003194	0.002148	0.002150
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	0.048375	0.041133	0.042265
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	0.340640	0.270979	0.277729
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.000126	0.000116	0.000119
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.001959	0.001794	0.001844
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.009487	0.010781	0.011112
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	0.232497	0.363522	0.369864
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	2.095867	3.750282	3.927511
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	4.874804	6.062792	6.106848
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	0.292956	0.340145	0.341662
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	0.131700	0.155590	0.154969
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.001042	0.001284	0.001293
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	0.243211	0.287826	0.287633
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	0.246835	0.288552	0.287328
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	0.476192	0.572784	0.574656
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	0.215843	0.259223	0.259627
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.010984	0.013047	0.013068
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	0.403660	0.471368	0.469409
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	0.118926	0.135966	0.135160
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	0.996841	1.180962	1.180564
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	0.416943	0.485513	0.488906
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	0.016686	0.016831	0.016185
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	0.058535	0.070192	0.070217

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	0.021781	0.018100	0.016420
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	0.052222	0.036891	0.031353
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	0.313915	0.379657	0.380022
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	0.138874	0.155831	0.153609
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	0.064922	0.075603	0.076044
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	0.018310	0.017099	0.016150
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	0.241540	0.188260	0.172808
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	0.546009	0.302543	0.247650
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	0.234713	0.157849	0.140973
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	0.598782	0.467425	0.430207
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	0.018466	0.014577	0.013373
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	0.013045	0.010942	0.010124
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	0.056701	0.016468	0.011522
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	3.961094	5.026040	5.100306
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	10.240212	12.978826	13.098110
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	0.333657	0.422342	0.428405
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	4.988836	6.370169	6.458013
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.022245	0.028325	0.028696
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.254306	0.334477	0.339051
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	0.042521	0.054116	0.054807
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	10.178066	13.478720	13.648640
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	0.931554	1.246361	1.275886
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	1.317819	1.788097	1.822605
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	1.423126	1.847804	1.890084
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	0.571665	0.729703	0.740224
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	12.386032	16.686465	17.098593
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	17.724823	24.306002	24.778342
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	2.353939	2.851632	2.839735
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	54.826148	70.636935	71.683979
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	0.404299	0.513261	0.522964
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	1.550039	1.967279	2.004340
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.011705	0.015609	0.015848
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.023674	0.023358	0.022072
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000114	0.000121	0.000117
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.010761	0.011421	0.011101
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.009102	0.011858	0.012102
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.077907	0.095579	0.096574
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.193726	0.238720	0.241830
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.017045	0.018091	0.017583
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.035365	0.041307	0.041200
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.033174	0.023698	0.019856
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	14.388225	20.253070	20.895514
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	3.324744	4.597618	4.701816
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	1.651574	2.247822	2.294194

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	CO	4.149203	5.829140	5.965492
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	6.301529	8.921832	9.159013
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	0.318881	0.453869	0.466097
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.021595	0.030082	0.031186
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.000257	0.000361	0.000372
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000235	0.000232	0.000220
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	0.040973	0.048444	0.048444
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.003085	0.002957	0.002868
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.003439	0.003013	0.002717
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.005847	0.004531	0.003790
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.000897	0.000872	0.000832
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.000594	0.000509	0.000452
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.010522	0.009348	0.008493
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.003398	0.003456	0.003370
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.010253	0.006939	0.005245
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.003669	0.003563	0.003398
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.000611	0.000590	0.000560
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.006667	0.006134	0.005686
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	0.016709	0.014418	0.012868
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.001784	0.001447	0.001244
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	0.013654	0.012934	0.012174
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.005465	0.005368	0.005147
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	0.044327	0.044881	0.042938
2267003020	Industrial Equipment	Forklifts	LPG	CO	4.246300	3.825947	3.432147
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	0.032805	0.025680	0.021239
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	0.009947	0.008407	0.007275
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.002397	0.002414	0.002303
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	0.020097	0.014343	0.011131
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	0.150725	0.125471	0.109519
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000078	0.000072	0.000070
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000067	0.000049	0.000042
2267006005	Commercial Equipment	Generator Sets	LPG	CO	0.149636	0.179225	0.177567
2267006010	Commercial Equipment	Pumps	LPG	CO	0.035442	0.040069	0.038592
2267006015	Commercial Equipment	Air Compressors	LPG	CO	0.043218	0.046958	0.044304
2267006025	Commercial Equipment	Welders	LPG	CO	0.077990	0.084273	0.079175
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.001011	0.001163	0.001129
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.000675	0.000692	0.000631
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000041	0.000038	0.000034
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.000216	0.000212	0.000203
2268003020	Industrial Equipment	Forklifts	CNG	CO	0.309669	0.272544	0.244291
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.000370	0.000325	0.000290
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.000242	0.000208	0.000184
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.000622	0.000508	0.000435
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.001415	0.000986	0.000764
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000103	0.000054	0.000048
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.007867	0.000879	0.000534

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	CO	0.049688	0.054124	0.053290
2268006010	Commercial Equipment	Pumps	CNG	CO	0.002517	0.002635	0.002547
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.003645	0.003609	0.003392
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	0.218106	0.025398	0.026122
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	0.004580	0.001414	0.000842
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	0.009487	0.008550	0.008303
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	0.034924	0.026212	0.025834
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.000088	0.000093	0.000094
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.001410	0.001393	0.001386
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	0.100492	0.077766	0.076516
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	0.090805	0.070911	0.069490
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.006520	0.004984	0.004783
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.004919	0.003938	0.003797
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	0.012838	0.010186	0.009707
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	0.060330	0.049207	0.047520
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	0.036241	0.031251	0.030321
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	0.278774	0.214622	0.213929
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.004665	0.003710	0.003589
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.001600	0.001555	0.001544
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	0.050894	0.039287	0.038337
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	0.065668	0.047660	0.047571
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	0.284849	0.178169	0.176077
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	0.011919	0.009480	0.009240
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	0.150051	0.125088	0.122654
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	0.385977	0.298978	0.290598
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	0.471475	0.452455	0.447732
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	0.330306	0.252261	0.248062
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	0.412310	0.393651	0.385077
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	0.050047	0.036264	0.034411
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.001179	0.001189	0.001174
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	0.047950	0.037180	0.035824
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	0.011771	0.012236	0.012125
2270003020	Industrial Equipment	Forklifts	Diesel	CO	0.071484	0.075514	0.075998
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	0.021996	0.017894	0.018023
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	0.023857	0.019531	0.019071
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.002186	0.002115	0.002088
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	0.089246	0.081178	0.082429
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	0.030230	0.027945	0.028531
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000017	0.000019	0.000019
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	0.106471	0.098892	0.096777
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	0.023266	0.020797	0.020188
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	0.113492	0.113816	0.113285
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.011971	0.009818	0.009935
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.000380	0.000402	0.000404

Appendix F-2: Chester County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000017	0.000016	0.000016
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.461304	0.364422	0.349806
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.028733	0.027226	0.026919
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000240	0.000235	0.000233
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000055	0.000054	0.000054
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.003236	0.002853	0.002782
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000006	0.000005	0.000005
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.002764	0.003037	0.003076
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.009163	0.007486	0.007233
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.004106	0.003539	0.003456
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	0.130957	0.125822	0.124429
2270006010	Commercial Equipment	Pumps	Diesel	CO	0.030454	0.029733	0.029502
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	0.069474	0.064629	0.064165
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	0.103094	0.099165	0.096610
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.003943	0.003756	0.003710
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.003139	0.002832	0.002809
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.003133	0.002142	0.002107
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.000182	0.000159	0.000158
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.000987	0.000623	0.000580
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	1.158248	1.190795	1.201914
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	0.532286	0.530802	0.517465
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	0.192626	0.204110	0.201813
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	0.278796	0.292029	0.286735
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.002315	0.002696	0.002760
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.000040	0.000036	0.000035
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	0.125211	0.137723	0.139926
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.003384	0.003072	0.003000
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.008651	0.011085	0.011204
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.000040	0.000039	0.000036
Chester County Total Summer Day CO Emissions					**190.893394**	**242.842738**	**246.289004**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.001017	0.001278	0.001411
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.001029	0.001755	0.001959
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.001522	0.000865	0.000847
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.000342	0.000140	0.000130
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.000005	0.000008	0.000009
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.000006	0.000010	0.000010
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000000	0.000000	0.000000
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.000819	0.000334	0.000334
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000001	0.000002	0.000002
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.000005	0.000005	0.000005
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000049	0.000082	0.000089
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000299	0.000555	0.000587
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.000401	0.000761	0.000805
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	0.008534	0.004105	0.004181
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.000983	0.001711	0.001805
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.004075	0.005801	0.005876
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.000585	0.001091	0.001154
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.006488	0.005532	0.005480
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000001	0.000002	0.000003
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.000072	0.000145	0.000149
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.000576	0.000989	0.001016
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000000	0.000000	0.000000
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.000004	0.000006	0.000006
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000002	0.000001	0.000001
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.001196	0.001390	0.001439
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	0.010799	0.012820	0.013089
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	0.012935	0.008851	0.008916
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.001111	0.000935	0.000933
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.000521	0.000289	0.000273
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000003	0.000002	0.000002
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.000618	0.000379	0.000337
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.000892	0.000465	0.000439
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.001299	0.000800	0.000760
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.000540	0.000317	0.000311
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.000025	0.000014	0.000014
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.001571	0.000865	0.000815
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.000494	0.000327	0.000295
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.002672	0.001506	0.001463
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.001009	0.000751	0.000713
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.000259	0.000159	0.000149
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.000175	0.000105	0.000102

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.000446	0.000243	0.000217
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.001103	0.000511	0.000430
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.000838	0.000500	0.000492
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.001176	0.000688	0.000640
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.000165	0.000123	0.000120
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.000385	0.000244	0.000228
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	0.006822	0.003271	0.002939
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	0.028800	0.010597	0.008583
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	0.005128	0.001454	0.001175
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	0.004530	0.001591	0.001406
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.000452	0.000212	0.000190
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.000122	0.000049	0.000045
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	0.002974	0.000546	0.000384
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	0.036234	0.030779	0.028652
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	0.038617	0.025956	0.021382
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.003075	0.002599	0.002416
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.019466	0.015590	0.014164
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.000208	0.000165	0.000150
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.001001	0.000681	0.000625
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.000400	0.000316	0.000286
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	0.066090	0.041628	0.040270
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	0.009452	0.006695	0.006635
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.005357	0.003589	0.003640
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.005652	0.004628	0.004613
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.002214	0.001825	0.001679
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	0.129856	0.090373	0.089327
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	0.074821	0.048824	0.049516
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	0.023911	0.012533	0.011290
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	0.262038	0.153048	0.147714
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.003561	0.003170	0.003054
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.005815	0.005163	0.004975
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000000	0.000000	0.000000
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.000005	0.000003	0.000002
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000000	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000004	0.000003	0.000003
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.000006	0.000005	0.000004
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.000006	0.000005	0.000006
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.000006	0.000004	0.000004
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.000007	0.000005	0.000005
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.000010	0.000004	0.000004
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	0.078114	0.061021	0.060201
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	0.023640	0.015861	0.014994
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	0.016290	0.010174	0.009703

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	0.029414	0.020256	0.020008
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	0.034460	0.024443	0.023241
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.001718	0.001179	0.001189
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.000006	0.000006	0.000006
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000000	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.000243	0.000159	0.000159
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.000386	0.000334	0.000321
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.000293	0.000188	0.000162
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.000493	0.000239	0.000193
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.000077	0.000063	0.000059
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.000050	0.000031	0.000026
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.000895	0.000592	0.000519
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.000295	0.000266	0.000257
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.000853	0.000307	0.000228
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.000315	0.000256	0.000240
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.000052	0.000042	0.000039
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.000569	0.000408	0.000367
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.001416	0.000866	0.000733
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.000150	0.000080	0.000064
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.001170	0.000900	0.000829
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.000471	0.000393	0.000371
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	0.009692	0.008144	0.007659
2267003020	Industrial Equipment	Forklifts	LPG	NOx	0.913520	0.581719	0.495227
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	0.006971	0.003177	0.002585
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.002132	0.001181	0.000972
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.000523	0.000434	0.000406
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	0.004257	0.001422	0.001074
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	0.020351	0.011451	0.009467
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000000	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000000	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	0.040139	0.039674	0.038726
2267006010	Commercial Equipment	Pumps	LPG	NOx	0.009347	0.007976	0.007469
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	0.011269	0.008616	0.007793
2267006025	Commercial Equipment	Welders	LPG	NOx	0.014050	0.011360	0.010335
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.000185	0.000173	0.000165
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.000175	0.000114	0.000098
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.000019	0.000015	0.000015
2268003020	Industrial Equipment	Forklifts	CNG	NOx	0.066511	0.041645	0.035477
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.000079	0.000049	0.000042
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.000052	0.000031	0.000026
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.000188	0.000099	0.000079
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.000300	0.000099	0.000075
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.000010	0.000001	0.000001

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	0.013156	0.012307	0.011966
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.000660	0.000559	0.000530
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.000944	0.000688	0.000622
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	0.034847	0.003486	0.003585
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.001078	0.000153	0.000112
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	0.003987	0.004024	0.003998
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	0.023610	0.019979	0.019231
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.000052	0.000045	0.000044
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.000809	0.000704	0.000682
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	0.058580	0.051145	0.049666
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	0.067823	0.056487	0.054214
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	0.003734	0.003238	0.003129
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.002516	0.002310	0.002262
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	0.007074	0.006413	0.006281
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	0.027251	0.025560	0.025061
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	0.032353	0.030279	0.029623
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	0.234153	0.190645	0.181043
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.001832	0.001739	0.001721
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.001216	0.001165	0.001145
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	0.063767	0.053525	0.051367
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	0.059495	0.047923	0.045573
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	0.220851	0.186122	0.178835
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	0.011196	0.009758	0.009414
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	0.074846	0.068757	0.066808
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	0.286724	0.247285	0.238811
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	0.174198	0.164368	0.161399
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	0.251941	0.211762	0.203255
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	0.111691	0.111561	0.110265
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	0.030409	0.027079	0.026189
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.000359	0.000359	0.000356
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	0.029530	0.025997	0.025244
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	0.010077	0.009892	0.009752
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	0.106347	0.094691	0.090249
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	0.056381	0.048780	0.046832
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	0.064213	0.055377	0.053175
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.002970	0.002757	0.002693
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	0.212284	0.205090	0.200615
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	0.072759	0.059871	0.056467
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.000015	0.000017	0.000017
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	0.092700	0.099202	0.099539
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	0.020458	0.020091	0.019911
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	0.138512	0.151388	0.151281
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	0.013969	0.014110	0.014075
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.000364	0.000403	0.000404

Appendix F-2: Delaware County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000000	0.000000	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.004182	0.003736	0.003638
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.000424	0.000389	0.000380
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000002	0.000002	0.000002
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000000	0.000000	0.000000
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.000030	0.000029	0.000029
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.000030	0.000028	0.000028
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.000087	0.000079	0.000077
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.000055	0.000051	0.000049
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	0.174758	0.182586	0.181981
2270006010	Commercial Equipment	Pumps	Diesel	NOx	0.041604	0.043353	0.043116
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	0.105013	0.104391	0.102218
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	0.050846	0.054300	0.054290
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	0.005838	0.006068	0.006049
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	0.004542	0.004499	0.004420
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.000362	0.000235	0.000214
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.002916	0.002235	0.002106
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	0.000000	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	1.632652	1.661550	1.668734
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.695949	0.807453	0.826022
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	0.011601	0.014036	0.014968
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.003248	0.004558	0.004888
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	0.021903	0.020891	0.021444
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	0.024883	0.027830	0.028031
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.000094	0.000099	0.000100
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	0.460864	0.351455	0.348413
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.001643	0.001607	0.001583
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.000030	0.000019	0.000018
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000004	0.000003	0.000003
Delaware County Total Summer Day NOx Emissions					**7.960115**	**6.996791**	**6.825013**

Appendix F-2: Delaware County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	0.310227	0.416189	0.417391
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	0.309322	0.532747	0.518602
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	0.007303	0.006201	0.006129
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	0.020679	0.010139	0.009073
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.001257	0.000325	0.000325
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.001496	0.000384	0.000386
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.000011	0.000003	0.000003
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	0.055052	0.022203	0.022264
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.000277	0.000077	0.000077
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.001042	0.000203	0.000188
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.000083	0.000016	0.000015
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.014618	0.007267	0.006342
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.080041	0.026768	0.022565
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	0.119829	0.048588	0.043312
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	0.603602	0.259688	0.264511
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.280870	0.118566	0.106502
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.759931	0.219417	0.215760
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	0.189343	0.088327	0.081027
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	0.728510	0.264984	0.251032
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	0.026569	0.029916	0.030472
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	0.003931	0.004426	0.004508
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.000327	0.000084	0.000083
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.000009	0.000003	0.000002
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	0.018277	0.005383	0.005531
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	0.124501	0.038313	0.039163
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.000044	0.000014	0.000015
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.000686	0.000222	0.000228
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.000156	0.000078	0.000080
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	0.012610	0.017430	0.017606
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	0.128008	0.188920	0.191831
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	0.041988	0.038240	0.038518
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	0.008047	0.007693	0.007566
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.001056	0.000790	0.000769
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.000009	0.000007	0.000007
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	0.004140	0.003424	0.002769
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.001709	0.001331	0.001309
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	0.006074	0.004753	0.004240
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.002125	0.001490	0.001433
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.000147	0.000096	0.000089
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	0.004187	0.002818	0.002689
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.002542	0.002195	0.001796
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	0.006088	0.004986	0.004956
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	0.006719	0.005730	0.005352
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.000213	0.000174	0.000164
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.000557	0.000403	0.000382

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.000313	0.000225	0.000201
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.000754	0.000456	0.000380
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.002095	0.001703	0.001699
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.001490	0.001156	0.001104
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.000982	0.000828	0.000791
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.000272	0.000228	0.000214
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	0.007388	0.004446	0.004009
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	0.019691	0.009540	0.007683
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	0.006193	0.002525	0.002165
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	0.021661	0.008123	0.007388
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.000529	0.000312	0.000282
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.000412	0.000228	0.000210
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.002031	0.000437	0.000293
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	0.587585	0.621659	0.601626
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	0.366643	0.320450	0.240797
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.048988	0.052098	0.050182
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.174447	0.178677	0.160347
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.003153	0.003394	0.003202
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.006098	0.005456	0.004390
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	0.006435	0.006918	0.006536
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	0.122769	0.102598	0.099736
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	0.052822	0.059478	0.060583
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	0.008735	0.009835	0.010018
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	0.066877	0.068616	0.069147
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	0.014553	0.012813	0.012985
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	0.025791	0.024193	0.023871
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	0.021817	0.022085	0.020349
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	0.764863	0.757609	0.760577
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	0.195533	0.164607	0.166771
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	0.029409	0.022781	0.021824
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	0.713245	0.647729	0.601613
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.033831	0.033829	0.032614
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.050019	0.049458	0.047410
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000001	0.000001	0.000001
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000004	0.000003	0.000003
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000000	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000003	0.000003	0.000003
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000001	0.000001	0.000001
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.000020	0.000019	0.000018
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.000041	0.000042	0.000041
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000005	0.000004	0.000004
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.000008	0.000007	0.000007
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.000008	0.000004	0.000003
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	0.392766	0.385980	0.372496
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	0.103463	0.084255	0.072178
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	0.041327	0.031904	0.031084

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	0.067116	0.063755	0.064550
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	0.188523	0.179708	0.157080
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	0.006552	0.005652	0.005647
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.000032	0.000031	0.000031
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000000	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.000641	0.000541	0.000541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.000104	0.000092	0.000088
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.000080	0.000053	0.000046
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.000135	0.000068	0.000054
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.000021	0.000017	0.000016
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.000014	0.000009	0.000007
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.000244	0.000166	0.000146
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.000079	0.000073	0.000070
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.000236	0.000088	0.000063
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.000085	0.000071	0.000067
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.000014	0.000012	0.000011
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.000155	0.000114	0.000103
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.000387	0.000245	0.000208
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.000041	0.000023	0.000018
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.000317	0.000250	0.000230
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.000127	0.000108	0.000102
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.002611	0.002245	0.002116
2267003020	Industrial Equipment	Forklifts	LPG	VOC	0.249082	0.164325	0.139889
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.001918	0.000904	0.000723
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.000583	0.000334	0.000274
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.000141	0.000120	0.000112
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.001174	0.000407	0.000297
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.005566	0.003244	0.002674
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000000	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000000	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	0.008151	0.008139	0.007968
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.001922	0.001653	0.001550
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.002337	0.001799	0.001626
2267006025	Commercial Equipment	Welders	LPG	VOC	0.003783	0.003160	0.002881
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.000049	0.000047	0.000045
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.000036	0.000024	0.000020
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000000	0.000000	0.000000
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.001070	0.000694	0.000592
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000001	0.000001	0.000001
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000001	0.000001	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.000003	0.000002	0.000001
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.000005	0.000002	0.000001
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000000	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.000159	0.000150	0.000146
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.000008	0.000007	0.000007
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.000012	0.000009	0.000008
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.000606	0.000035	0.000036
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.000018	0.000002	0.000001
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.001275	0.001125	0.001087
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.002277	0.001673	0.001590
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.000008	0.000007	0.000007
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.000141	0.000112	0.000106
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	0.006454	0.004544	0.004307
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	0.004736	0.003279	0.003139
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.000416	0.000307	0.000288
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.000287	0.000207	0.000196
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.001395	0.000930	0.000847
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	0.003843	0.002674	0.002501
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.003013	0.002588	0.002496
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	0.018687	0.014349	0.013670
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.000310	0.000197	0.000184
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.000145	0.000133	0.000129
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	0.004868	0.003677	0.003505
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	0.004653	0.003591	0.003440
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	0.016105	0.010457	0.009960
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.000992	0.000736	0.000693
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	0.009281	0.006916	0.006461
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	0.023228	0.017933	0.017072
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	0.040098	0.035429	0.034148
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	0.020183	0.014627	0.013929
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	0.038714	0.032659	0.031124
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.002731	0.001859	0.001724
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.000118	0.000107	0.000103
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.002548	0.001940	0.001848
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.002972	0.002755	0.002675
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	0.010489	0.008314	0.007641
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	0.005425	0.003992	0.003787
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	0.005873	0.004605	0.004344
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.000553	0.000503	0.000489
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	0.028769	0.019114	0.017899
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	0.005747	0.004866	0.004617
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000003	0.000003	0.000003
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	0.018271	0.014406	0.013552
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.004046	0.003018	0.002806
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	0.015662	0.014992	0.014659
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.001888	0.001230	0.001181
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.000058	0.000055	0.000054

Appendix F-2: Delaware County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000000	0.000000	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.000519	0.000378	0.000356
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.000038	0.000034	0.000033
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000000	0.000000	0.000000
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000000	0.000000	0.000000
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.000006	0.000004	0.000004
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000003	0.000003	0.000003
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.000012	0.000009	0.000008
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.000007	0.000005	0.000005
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	0.026523	0.023665	0.022916
2270006010	Commercial Equipment	Pumps	Diesel	VOC	0.005832	0.005298	0.005139
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	0.013147	0.010497	0.009895
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	0.020014	0.017539	0.016803
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.000834	0.000768	0.000750
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.000612	0.000465	0.000439
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.000026	0.000018	0.000016
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.000239	0.000146	0.000133
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	0.000000	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.127115	0.131754	0.132632
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.080013	0.096927	0.099745
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	0.616346	0.506257	0.487179
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	0.192748	0.129315	0.119114
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	0.059318	0.061614	0.061669
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.000931	0.001016	0.001017
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.000023	0.000019	0.000019
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	0.019919	0.019656	0.019555
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.000319	0.000290	0.000282
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.000100	0.000080	0.000075
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000001	0.000001	0.000001
Delaware County Total Summer Day VOC Emissions					**9.794333**	**7.761769**	**7.419991**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	0.255183	0.415996	0.429776
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	0.251602	0.579034	0.608735
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	0.162444	0.205726	0.208347
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	0.049298	0.047731	0.046897
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.002376	0.001744	0.001749
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.002852	0.002104	0.002110
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.000021	0.000016	0.000016
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	0.130270	0.121157	0.121489
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.000556	0.000429	0.000431
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.002116	0.001120	0.001035
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.000169	0.000089	0.000082
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	0.025613	0.020812	0.020027
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	0.153837	0.122687	0.119780
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	0.209121	0.170692	0.167327
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	1.416394	1.440604	1.467361
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	0.481967	0.356669	0.345699
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	1.529007	1.266001	1.282211
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	0.300787	0.239738	0.234326
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	1.541927	1.422105	1.431569
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.000629	0.000504	0.000512
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.000018	0.000012	0.000012
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	0.034582	0.029405	0.030214
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	0.243510	0.193712	0.198537
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.000090	0.000083	0.000085
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.001401	0.001283	0.001318
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.000377	0.000428	0.000441
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	0.116249	0.181761	0.184932
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	1.047934	1.875141	1.963756
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	2.166580	2.694574	2.714155
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	0.146478	0.170073	0.170831
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	0.045191	0.053388	0.053175
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.000357	0.000441	0.000444
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	0.083453	0.098762	0.098696
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	0.084697	0.099012	0.098592
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	0.163397	0.196541	0.197183
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	0.074063	0.088948	0.089086
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.003769	0.004477	0.004484
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	0.138509	0.161742	0.161070
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	0.040807	0.046654	0.046378
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	0.342049	0.405226	0.405090
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	0.143067	0.166595	0.167760
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	0.005725	0.005775	0.005553
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	0.020085	0.024085	0.024094

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	0.007474	0.006211	0.005634
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	0.017919	0.012659	0.010758
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	0.107714	0.130273	0.130398
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	0.047652	0.053471	0.052708
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	0.022277	0.025942	0.026093
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	0.006283	0.005867	0.005541
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	0.209666	0.163417	0.150004
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	0.473958	0.262619	0.214970
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	0.203740	0.137020	0.122370
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	0.519767	0.405744	0.373437
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	0.016029	0.012653	0.011609
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	0.016045	0.013459	0.012453
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	0.049219	0.014295	0.010001
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	5.159663	6.546846	6.643584
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	5.601914	7.100074	7.165329
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	0.434616	0.550137	0.558034
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	2.729146	3.484805	3.532860
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.028976	0.036895	0.037379
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.139118	0.182976	0.185478
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	0.055387	0.070490	0.071390
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	5.567917	7.373541	7.466497
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	1.213429	1.623491	1.661950
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	0.720913	0.978180	0.997057
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	0.778522	1.010842	1.033971
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	0.312730	0.399184	0.404940
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	16.133865	21.735546	22.272379
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	9.696375	13.296613	13.555007
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	1.287724	1.559987	1.553479
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	29.992676	38.641975	39.214760
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	0.526634	0.668566	0.681205
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	0.847950	1.076201	1.096476
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.000064	0.000086	0.000087
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.000130	0.000128	0.000121
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000001	0.000001	0.000001
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.000059	0.000063	0.000061
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.000050	0.000065	0.000066
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.000428	0.000525	0.000531
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.001064	0.001311	0.001329
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.000094	0.000099	0.000097
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.000194	0.000227	0.000226
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.000182	0.000130	0.000109
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	10.285558	14.478098	14.937355
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	2.376725	3.286650	3.361138
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	1.180643	1.606877	1.640026

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006025	Commercial Equipment	Welders	4 Stroke	CO	2.966097	4.167016	4.264489
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	4.504707	6.377856	6.547407
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	0.227955	0.324452	0.333194
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.000857	0.001194	0.001238
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.000010	0.000014	0.000015
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	0.040973	0.048444	0.048444
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.001542	0.001478	0.001434
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.001180	0.001034	0.000932
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.002006	0.001555	0.001301
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.000308	0.000299	0.000285
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.000204	0.000175	0.000155
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.003611	0.003207	0.002914
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.001166	0.001186	0.001156
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.003518	0.002381	0.001800
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.001259	0.001223	0.001166
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.000210	0.000202	0.000192
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.002288	0.002105	0.001951
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	0.005733	0.004947	0.004415
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.000612	0.000497	0.000427
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	0.004685	0.004438	0.004177
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.001875	0.001842	0.001766
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	0.038477	0.038958	0.037272
2267003020	Industrial Equipment	Forklifts	LPG	CO	3.685961	3.321077	2.979243
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	0.028476	0.022292	0.018437
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	0.008634	0.007298	0.006315
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.002081	0.002096	0.001999
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	0.017445	0.012450	0.009662
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	0.082454	0.068639	0.059912
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000000	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000000	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	CO	0.106969	0.128121	0.126935
2267006010	Commercial Equipment	Pumps	LPG	CO	0.025336	0.028644	0.027588
2267006015	Commercial Equipment	Air Compressors	LPG	CO	0.030895	0.033568	0.031671
2267006025	Commercial Equipment	Welders	LPG	CO	0.055752	0.060243	0.056599
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.000723	0.000831	0.000807
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.000482	0.000494	0.000451
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.000074	0.000073	0.000070
2268003020	Industrial Equipment	Forklifts	CNG	CO	0.268805	0.236579	0.212054
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.000321	0.000282	0.000252
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.000210	0.000181	0.000160
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.000764	0.000624	0.000535
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.001229	0.000856	0.000663
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000001	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.000043	0.000005	0.000003

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268006005	Commercial Equipment	Generator Sets	CNG	CO	0.035520	0.038691	0.038095
2268006010	Commercial Equipment	Pumps	CNG	CO	0.001799	0.001884	0.001821
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.002605	0.002580	0.002424
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	0.155915	0.018156	0.018673
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	0.004580	0.001414	0.000842
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	0.004743	0.004275	0.004152
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	0.011983	0.008994	0.008865
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.000030	0.000032	0.000032
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.000484	0.000478	0.000476
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	0.034482	0.026684	0.026255
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	0.031158	0.024332	0.023844
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.002237	0.001710	0.001641
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.001688	0.001351	0.001303
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	0.004405	0.003495	0.003331
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	0.020701	0.016885	0.016306
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	0.012435	0.010723	0.010404
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	0.095657	0.073644	0.073406
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.001601	0.001273	0.001232
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.000549	0.000534	0.000530
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	0.017463	0.013481	0.013155
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	0.022533	0.016354	0.016323
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	0.097741	0.061136	0.060418
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	0.004090	0.003253	0.003171
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	0.051487	0.042922	0.042086
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	0.132441	0.102589	0.099714
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	0.161778	0.155252	0.153631
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	0.113339	0.086559	0.085118
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	0.141477	0.135075	0.132133
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	0.017173	0.012443	0.011807
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.000404	0.000408	0.000403
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	0.016453	0.012758	0.012292
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	0.010217	0.010621	0.010525
2270003020	Industrial Equipment	Forklifts	Diesel	CO	0.062051	0.065549	0.065969
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	0.019094	0.015533	0.015645
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	0.020709	0.016954	0.016555
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.001898	0.001836	0.001812
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	0.109772	0.099849	0.101387
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	0.026241	0.024258	0.024766
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000009	0.000010	0.000011
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	0.058245	0.054099	0.052942
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	0.012727	0.011377	0.011044
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	0.062086	0.062263	0.061973
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.006549	0.005371	0.005435
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.000208	0.000220	0.000221

Appendix F-2: Delaware County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000000	0.000000	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.002534	0.002002	0.001922
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.000158	0.000150	0.000148
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000001	0.000001	0.000001
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000000	0.000000	0.000000
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.000018	0.000016	0.000015
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.000015	0.000017	0.000017
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.000050	0.000041	0.000040
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.000023	0.000019	0.000019
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	0.093616	0.089945	0.088950
2270006010	Commercial Equipment	Pumps	Diesel	CO	0.021771	0.021255	0.021090
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	0.049664	0.046201	0.045869
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	0.073698	0.070889	0.069062
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.002819	0.002685	0.002652
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.002244	0.002025	0.002008
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.000124	0.000085	0.000084
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.000987	0.000623	0.000580
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	0.000000	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.219008	0.231097	0.233177
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.081284	0.098644	0.101540
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	0.904886	0.902364	0.879690
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	0.327464	0.346987	0.343083
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	0.473953	0.496450	0.487449
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.003936	0.004584	0.004691
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.000068	0.000061	0.000060
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	0.050754	0.055826	0.056719
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.001357	0.001231	0.001203
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.003468	0.004444	0.004491
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.000016	0.000016	0.000015
Delaware County Total Summer Day CO Emissions					**124.217651**	**158.401129**	**160.670490**

Appendix F-2: Montgomery County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.002713	0.003409	0.003764
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.002743	0.004681	0.005223
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.004059	0.002307	0.002259
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.001035	0.000424	0.000394
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.000015	0.000026	0.000026
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.000018	0.000031	0.000031
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000000	0.000000	0.000000
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.002480	0.001010	0.001013
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000004	0.000006	0.000006
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.000017	0.000016	0.000015
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000001	0.000001	0.000001
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000066	0.000111	0.000120
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000936	0.001737	0.001838
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.000541	0.001028	0.001087
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	0.026719	0.012853	0.013091
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.001327	0.002310	0.002437
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.012758	0.018164	0.018399
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.000789	0.001474	0.001557
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.020314	0.017320	0.017158
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000004	0.000008	0.000008
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000002	0.000003	0.000003
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.000184	0.000368	0.000378
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.001459	0.002504	0.002573
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000001	0.000001	0.000001
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.000009	0.000015	0.000016
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000015	0.000007	0.000007
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.003190	0.003706	0.003837
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	0.028798	0.034185	0.034904
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	0.056050	0.038356	0.038634
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.002962	0.002493	0.002487
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.001576	0.000875	0.000827
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000009	0.000005	0.000005
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.001872	0.001148	0.001021
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.002700	0.001408	0.001328
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.003932	0.002421	0.002301
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.001634	0.000960	0.000943
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.000077	0.000044	0.000043
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.004757	0.002619	0.002467
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.001495	0.000990	0.000894
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.008090	0.004559	0.004431
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.003054	0.002274	0.002159
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.000783	0.000483	0.000450

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2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.000529	0.000318	0.000310
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.001350	0.000735	0.000657
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.003340	0.001548	0.001303
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.002537	0.001513	0.001489
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.003561	0.002083	0.001939
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.000500	0.000374	0.000362
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.001165	0.000738	0.000692
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	0.021324	0.010224	0.009186
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	0.090020	0.033122	0.026828
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	0.016030	0.004545	0.003671
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	0.014158	0.004972	0.004393
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.001414	0.000662	0.000593
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.000168	0.000067	0.000062
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	0.009297	0.001705	0.001200
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	0.048919	0.041554	0.038682
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	0.120908	0.081266	0.066945
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.004151	0.003508	0.003262
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.060946	0.048813	0.044347
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.000281	0.000223	0.000202
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.003135	0.002132	0.001956
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.000539	0.000427	0.000386
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	0.206923	0.130336	0.126084
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	0.012760	0.009038	0.008958
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.016771	0.011236	0.011398
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.017695	0.014491	0.014444
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.006932	0.005713	0.005256
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	0.175315	0.122009	0.120598
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	0.234261	0.152864	0.155032
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	0.074864	0.039240	0.035349
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	0.820425	0.479182	0.462484
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.004807	0.004280	0.004123
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.018206	0.016166	0.015575
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000022	0.000014	0.000014
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.000239	0.000122	0.000106
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000002	0.000001	0.000001
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000170	0.000124	0.000120
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000018	0.000012	0.000012
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.000277	0.000212	0.000205
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.000265	0.000249	0.000254
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.000270	0.000197	0.000190
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.000322	0.000236	0.000228
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.000469	0.000200	0.000160
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	0.197808	0.154523	0.152447

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2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	0.059864	0.040165	0.037971
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	0.041252	0.025765	0.024571
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	0.074485	0.051294	0.050665
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	0.087262	0.061897	0.058852
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.004349	0.002985	0.003012
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.000036	0.000034	0.000034
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000000	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000006	0.000003	0.000002
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.001748	0.001146	0.001146
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.001028	0.000890	0.000856
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.000886	0.000568	0.000492
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.001492	0.000723	0.000585
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.000234	0.000190	0.000178
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.000152	0.000092	0.000078
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.002711	0.001794	0.001571
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.000892	0.000805	0.000777
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.002584	0.000930	0.000691
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.000954	0.000776	0.000726
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.000159	0.000127	0.000119
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.001724	0.001236	0.001112
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.004288	0.002622	0.002220
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.000456	0.000242	0.000195
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.003543	0.002726	0.002511
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.001425	0.001188	0.001122
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	0.030295	0.025456	0.023940
2267003020	Industrial Equipment	Forklifts	LPG	NOx	2.855433	1.818306	1.547955
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	0.021789	0.009931	0.008080
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.006664	0.003691	0.003040
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.001636	0.001356	0.001268
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	0.013306	0.004444	0.003357
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	0.063717	0.035852	0.029641
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000005	0.000004	0.000004
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000004	0.000002	0.000002
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	0.101643	0.100465	0.098066
2267006010	Commercial Equipment	Pumps	LPG	NOx	0.023671	0.020197	0.018914
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	0.028537	0.021818	0.019734
2267006025	Commercial Equipment	Welders	LPG	NOx	0.035579	0.028768	0.026173
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.000468	0.000437	0.000417
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.000443	0.000290	0.000248
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000008	0.000005	0.000004
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.000056	0.000047	0.000044
2268003020	Industrial Equipment	Forklifts	CNG	NOx	0.207898	0.130173	0.110893
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.000248	0.000154	0.000131
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.000162	0.000096	0.000080
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.000260	0.000136	0.000109

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2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.000937	0.000308	0.000233
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000006	0.000003	0.000003
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.000459	0.000049	0.000030
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	0.033315	0.031165	0.030301
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.001671	0.001417	0.001342
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.002390	0.001742	0.001574
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	0.088244	0.008827	0.009078
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.007758	0.001101	0.000805
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	0.010631	0.010730	0.010662
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	0.071480	0.060488	0.058223
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.000157	0.000136	0.000132
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.002451	0.002130	0.002063
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	0.177355	0.154843	0.150365
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	0.205336	0.171018	0.164135
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	0.011304	0.009803	0.009473
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.007617	0.006992	0.006850
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	0.021418	0.019416	0.019015
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	0.082503	0.077385	0.075874
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	0.097950	0.091673	0.089685
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	0.708911	0.577187	0.548117
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.005547	0.005266	0.005210
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.003680	0.003526	0.003467
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	0.193058	0.162049	0.155516
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	0.180125	0.145089	0.137974
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	0.668636	0.563494	0.541433
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	0.033896	0.029543	0.028501
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	0.226599	0.208164	0.202264
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	0.868073	0.748668	0.723011
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	0.527394	0.497634	0.488643
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	0.762764	0.641119	0.615366
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	0.338149	0.337757	0.333833
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	0.092065	0.081982	0.079290
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.001088	0.001087	0.001078
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	0.089402	0.078708	0.076429
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	0.031499	0.030918	0.030482
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	0.332413	0.295981	0.282094
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	0.176233	0.152475	0.146384
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	0.200714	0.173094	0.166210
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.009283	0.008619	0.008418
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	0.293167	0.283233	0.277053
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	0.227427	0.187142	0.176500
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.000047	0.000053	0.000054
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	0.290238	0.310595	0.311649

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2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	0.064051	0.062905	0.062339
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	0.433673	0.473987	0.473651
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	0.043736	0.044178	0.044068
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.001138	0.001261	0.001264
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000004	0.000003	0.000003
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.190634	0.170323	0.165826
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.019328	0.017743	0.017328
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000083	0.000084	0.000083
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000018	0.000017	0.000016
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.001370	0.001342	0.001326
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000002	0.000002	0.000002
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.001353	0.001285	0.001261
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.003982	0.003584	0.003497
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.002498	0.002305	0.002232
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	0.442539	0.462363	0.460832
2270006010	Commercial Equipment	Pumps	Diesel	NOx	0.105354	0.109782	0.109183
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	0.265925	0.264350	0.258847
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	0.128758	0.137503	0.137478
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	0.014783	0.015367	0.015317
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	0.011503	0.011393	0.011192
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.002169	0.001410	0.001284
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.000310	0.000288	0.000281
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.020993	0.016093	0.015160
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	0.031733	0.032622	0.032927
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	0.007506	0.009082	0.009685
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.002102	0.002949	0.003163
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	0.014172	0.013518	0.013875
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	0.016100	0.018008	0.018138
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.000061	0.000064	0.000065
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	1.518313	1.157866	1.147845
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.003242	0.003171	0.003124
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.000059	0.000037	0.000036
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000008	0.000006	0.000006

Appendix F-2: Montgomery County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
Montgomery County Total Summer Day NOx Emissions					**16.506524**	**13.154639**	**12.551379**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	0.827273	1.109836	1.113042
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	0.824859	1.420660	1.382940
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	0.019475	0.016536	0.016343
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	0.062607	0.030696	0.027469
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.003806	0.000982	0.000985
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.004530	0.001164	0.001167
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.000032	0.000010	0.000010
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	0.166672	0.067221	0.067405
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.000839	0.000233	0.000234
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.003256	0.000636	0.000587
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.000258	0.000050	0.000046
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.019735	0.009811	0.008562
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.250603	0.083808	0.070651
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	0.161778	0.065598	0.058474
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	1.889841	0.813066	0.828167
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.379195	0.160073	0.143785
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	2.379295	0.686982	0.675532
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	0.255626	0.119247	0.109392
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	2.280920	0.829649	0.785967
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	0.036754	0.041386	0.042154
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	0.012307	0.013858	0.014115
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.001025	0.000262	0.000261
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.000433	0.000116	0.000112
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	0.046282	0.013631	0.014007
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	0.315273	0.097019	0.099174
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.000111	0.000036	0.000037
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.001736	0.000562	0.000578
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.000936	0.000466	0.000480
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	0.033626	0.046479	0.046949
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	0.341354	0.503788	0.511550
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	0.181950	0.165705	0.166909
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	0.021458	0.020514	0.020177
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.003198	0.002392	0.002329
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.000028	0.000022	0.000022
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	0.012535	0.010366	0.008382
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.005175	0.004030	0.003962
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	0.018389	0.014389	0.012835
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.006432	0.004512	0.004339
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.000444	0.000289	0.000270
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	0.012676	0.008530	0.008141
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.007696	0.006645	0.005439
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	0.018432	0.015097	0.015005
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	0.020341	0.017349	0.016203
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.000646	0.000527	0.000497

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.001687	0.001219	0.001155
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.000948	0.000681	0.000609
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.002282	0.001380	0.001149
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.006343	0.005157	0.005144
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.004510	0.003501	0.003343
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.002974	0.002508	0.002394
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.000823	0.000690	0.000647
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	0.023093	0.013899	0.012530
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	0.061549	0.029819	0.024014
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	0.019358	0.007894	0.006768
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	0.067707	0.025390	0.023092
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.001654	0.000974	0.000880
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.000569	0.000315	0.000290
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.006348	0.001367	0.000915
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	0.793281	0.839284	0.812237
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	1.147936	1.003308	0.753921
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.066138	0.070337	0.067749
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.546183	0.559427	0.502035
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.004257	0.004582	0.004322
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.019091	0.017082	0.013744
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	0.008688	0.009340	0.008823
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	0.384381	0.321228	0.312267
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	0.073073	0.082281	0.083809
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	0.027348	0.030794	0.031366
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	0.090288	0.092636	0.093353
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	0.045565	0.040116	0.040655
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	0.080749	0.075747	0.074738
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	0.068307	0.069148	0.063711
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	1.032619	1.022825	1.026832
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	0.612200	0.515375	0.522150
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	0.092077	0.071327	0.068329
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	2.233126	2.028000	1.883613
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.045674	0.045672	0.044032
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.156605	0.154849	0.148438
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000060	0.000051	0.000052
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000194	0.000134	0.000120
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000001	0.000001	0.000001
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000141	0.000137	0.000133
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000064	0.000053	0.000052
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.000922	0.000870	0.000813
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.001865	0.001907	0.001891
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000207	0.000201	0.000195
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.000344	0.000317	0.000308
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.000352	0.000193	0.000155
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	0.994604	0.977417	0.943273

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	0.262000	0.213358	0.182776
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	0.104653	0.080791	0.078714
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	0.169958	0.161448	0.163461
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	0.477398	0.455074	0.397774
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	0.016591	0.014312	0.014299
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.000193	0.000188	0.000187
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000003	0.000002	0.000002
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000007	0.000004	0.000004
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.004616	0.003894	0.003894
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.000279	0.000244	0.000235
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.000241	0.000159	0.000138
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.000410	0.000205	0.000164
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.000063	0.000053	0.000049
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.000042	0.000026	0.000022
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.000739	0.000503	0.000441
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.000240	0.000220	0.000213
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.000716	0.000265	0.000189
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.000258	0.000215	0.000201
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.000043	0.000035	0.000033
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.000469	0.000345	0.000311
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.001172	0.000742	0.000629
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.000125	0.000069	0.000055
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.000960	0.000756	0.000698
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.000385	0.000328	0.000310
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.008160	0.007017	0.006615
2267003020	Industrial Equipment	Forklifts	LPG	VOC	0.778567	0.513638	0.437257
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.005997	0.002824	0.002260
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.001822	0.001045	0.000856
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.000441	0.000375	0.000352
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.003671	0.001273	0.000927
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.017427	0.010158	0.008373
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000001	0.000001	0.000001
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000001	0.000001	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	0.020640	0.020611	0.020177
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.004868	0.004187	0.003924
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.005918	0.004556	0.004117
2267006025	Commercial Equipment	Welders	LPG	VOC	0.009580	0.008002	0.007296
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.000125	0.000120	0.000114
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.000092	0.000060	0.000051
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000002	0.000001	0.000001
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000001	0.000001	0.000001
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.003345	0.002170	0.001849
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000004	0.000003	0.000002
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000003	0.000002	0.000001
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.000004	0.000002	0.000002

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.000015	0.000005	0.000004
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000008	0.000001	0.000001
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.000403	0.000380	0.000371
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.000020	0.000017	0.000017
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.000029	0.000022	0.000020
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.001534	0.000089	0.000091
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.000130	0.000017	0.000010
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.003399	0.002999	0.002900
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.006893	0.005064	0.004813
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.000026	0.000021	0.000020
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.000428	0.000338	0.000320
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	0.019540	0.013758	0.013040
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	0.014338	0.009928	0.009503
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.001260	0.000929	0.000873
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.000869	0.000626	0.000593
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.004225	0.002814	0.002565
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	0.011635	0.008096	0.007573
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.009123	0.007837	0.007555
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	0.056574	0.043443	0.041386
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.000937	0.000598	0.000557
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.000439	0.000401	0.000391
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	0.014738	0.011131	0.010612
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	0.014086	0.010871	0.010415
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	0.048758	0.031659	0.030156
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.003004	0.002227	0.002098
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	0.028098	0.020937	0.019561
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	0.070323	0.054293	0.051686
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	0.121399	0.107262	0.103385
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	0.061105	0.044285	0.042171
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	0.117208	0.098878	0.094229
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.008267	0.005628	0.005221
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.000356	0.000323	0.000312
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.007714	0.005872	0.005595
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.009288	0.008611	0.008361
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	0.032787	0.025986	0.023884
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	0.016958	0.012479	0.011837
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	0.018357	0.014393	0.013578
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.001728	0.001573	0.001527
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	0.039730	0.026396	0.024719
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	0.017963	0.015211	0.014430
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000010	0.000009	0.000009
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	0.057206	0.045105	0.042429

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.012669	0.009448	0.008786
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	0.049038	0.046938	0.045897
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.005913	0.003851	0.003697
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.000182	0.000172	0.000168
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000001	0.000001	0.000001
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.023675	0.017212	0.016248
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.001724	0.001551	0.001508
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000017	0.000014	0.000013
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000003	0.000002	0.000002
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.000252	0.000194	0.000183
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000155	0.000147	0.000144
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.000528	0.000388	0.000368
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.000325	0.000236	0.000220
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	0.067164	0.059926	0.058031
2270006010	Commercial Equipment	Pumps	Diesel	VOC	0.014769	0.013417	0.013013
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	0.033292	0.026582	0.025057
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	0.050682	0.044413	0.042550
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.002111	0.001945	0.001899
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.001551	0.001178	0.001111
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.000158	0.000106	0.000098
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.000026	0.000022	0.000021
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.001721	0.001052	0.000960
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	0.025045	0.025990	0.028244
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	0.398812	0.327578	0.315233
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	0.124719	0.083674	0.077074
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	0.038382	0.039868	0.039904
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.000602	0.000658	0.000658
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.000015	0.000013	0.000012
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	0.065624	0.064757	0.064423
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.000629	0.000573	0.000556
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.000197	0.000158	0.000148
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000002	0.000002	0.000002

Appendix F-2: Montgomery County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
Montgomery County Total Summer Day VOC Emissions					**22.999148**	**17.455522**	**16.564754**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	0.680489	1.109322	1.146069
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	0.670938	1.544091	1.623293
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	0.433185	0.548602	0.555592
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	0.149252	0.144506	0.141984
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.007194	0.005281	0.005295
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.008634	0.006370	0.006388
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.000063	0.000049	0.000049
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	0.394400	0.366809	0.367814
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.001683	0.001300	0.001303
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.006614	0.003501	0.003235
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.000527	0.000279	0.000258
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	0.034579	0.028098	0.027038
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	0.481655	0.384126	0.375024
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	0.282328	0.230446	0.225904
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	4.434640	4.510441	4.594215
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	0.650689	0.481529	0.466718
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	4.787226	3.963769	4.014523
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	0.406084	0.323663	0.316357
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	4.827676	4.452520	4.482153
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.001969	0.001578	0.001602
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.000800	0.000538	0.000539
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	0.087571	0.074461	0.076510
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	0.616641	0.490536	0.502756
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.000228	0.000210	0.000215
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.003547	0.003248	0.003338
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.002260	0.002568	0.002647
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	0.309997	0.484696	0.493151
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	2.794490	5.000376	5.236682
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	9.388511	11.676488	11.761336
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	0.390608	0.453527	0.455549
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	0.136817	0.161634	0.160990
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.001082	0.001334	0.001343
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	0.252659	0.299008	0.298808
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	0.256425	0.299763	0.298491
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	0.494692	0.595037	0.596982
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	0.224229	0.269294	0.269714
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.011410	0.013554	0.013576
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	0.419342	0.489681	0.487646
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	0.123546	0.141249	0.140411
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	1.035569	1.226843	1.226431
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	0.433142	0.504376	0.507901
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	0.017334	0.017485	0.016813

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	0.060810	0.072919	0.072945
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	0.022627	0.018803	0.017058
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	0.054251	0.038324	0.032571
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	0.326111	0.394407	0.394786
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	0.144269	0.161885	0.159577
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	0.067444	0.078540	0.078999
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	0.019021	0.017763	0.016777
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	0.655364	0.510801	0.468876
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	1.481472	0.820882	0.671943
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	0.636840	0.428288	0.382498
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	1.624659	1.268252	1.167271
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	0.050103	0.039551	0.036286
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	0.022158	0.018587	0.017198
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	0.153845	0.044682	0.031261
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	6.965908	8.838703	8.969307
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	17.539240	22.229885	22.434194
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	0.586763	0.742723	0.753385
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	8.544784	10.910705	11.061162
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.039120	0.049811	0.050464
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.435570	0.572886	0.580720
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	0.074777	0.095167	0.096382
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	17.432797	23.086094	23.377131
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	1.638215	2.191827	2.243750
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	2.257134	3.062619	3.121724
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	2.437503	3.164884	3.237300
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	0.979136	1.249821	1.267841
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	21.781851	29.344513	30.069276
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	30.358739	41.630858	42.439874
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	4.031782	4.884220	4.863845
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	93.905183	120.985595	122.778951
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	0.710993	0.902611	0.919674
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	2.654877	3.369518	3.432996
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.002931	0.003909	0.003969
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.005929	0.005850	0.005528
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000029	0.000030	0.000029
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.002695	0.002860	0.002780
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.002280	0.002970	0.003031
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.019512	0.023938	0.024187
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.048518	0.059787	0.060566
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.004269	0.004531	0.004404
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.008857	0.010345	0.010318
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.008308	0.005935	0.004973
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	26.046154	36.662937	37.825914

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	6.018588	8.322796	8.511420
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	2.989747	4.069099	4.153043
2265006025	Commercial Equipment	Welders	4 Stroke	CO	7.511057	10.552148	10.798978
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	11.407286	16.150666	16.580020
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	0.577252	0.821612	0.843748
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.005144	0.007166	0.007429
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.000061	0.000086	0.000089
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000185	0.000183	0.000174
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	0.295006	0.348799	0.348799
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.004113	0.003942	0.003824
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.003572	0.003130	0.002822
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.006074	0.004707	0.003938
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.000932	0.000906	0.000864
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.000617	0.000528	0.000470
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.010931	0.009711	0.008823
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.003530	0.003591	0.003501
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.010652	0.007208	0.005448
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.003811	0.003702	0.003530
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.000635	0.000612	0.000582
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.006926	0.006372	0.005906
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	0.017358	0.014979	0.013368
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.001853	0.001504	0.001292
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	0.014185	0.013437	0.012647
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.005677	0.005576	0.005347
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	0.120271	0.121774	0.116502
2267003020	Industrial Equipment	Forklifts	LPG	CO	11.521383	10.380848	9.312361
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	0.089010	0.069678	0.057628
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	0.026989	0.022811	0.019738
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.006505	0.006550	0.006249
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	0.054529	0.038917	0.030202
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	0.258159	0.214904	0.187581
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000020	0.000018	0.000017
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000017	0.000012	0.000011
2267006005	Commercial Equipment	Generator Sets	LPG	CO	0.270878	0.324441	0.321438
2267006010	Commercial Equipment	Pumps	LPG	CO	0.064159	0.072534	0.069860
2267006015	Commercial Equipment	Air Compressors	LPG	CO	0.078235	0.085005	0.080202
2267006025	Commercial Equipment	Welders	LPG	CO	0.141181	0.152554	0.143326
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.001830	0.002105	0.002044
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.001221	0.001252	0.001142
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000032	0.000030	0.000027
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.000224	0.000220	0.000211
2268003020	Industrial Equipment	Forklifts	CNG	CO	0.840218	0.739488	0.662828
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.001005	0.000881	0.000788
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.000657	0.000565	0.000500
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.001056	0.000862	0.000738

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.003840	0.002676	0.002074
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000026	0.000014	0.000012
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.001970	0.000220	0.000134
2268006005	Commercial Equipment	Generator Sets	CNG	CO	0.089947	0.097977	0.096467
2268006010	Commercial Equipment	Pumps	CNG	CO	0.004557	0.004770	0.004611
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.006598	0.006534	0.006139
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	0.394825	0.045976	0.047286
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	0.032976	0.010180	0.006064
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	0.012649	0.011399	0.011071
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	0.036280	0.027230	0.026838
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.000091	0.000097	0.000098
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.001465	0.001447	0.001440
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	0.104396	0.080787	0.079489
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	0.094333	0.073666	0.072189
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.006773	0.005178	0.004968
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.005110	0.004091	0.003944
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	0.013337	0.010581	0.010084
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	0.062674	0.051119	0.049366
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	0.037649	0.032466	0.031499
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	0.289605	0.222960	0.222240
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.004847	0.003855	0.003729
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.001663	0.001616	0.001604
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	0.052871	0.040814	0.039827
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	0.068219	0.049511	0.049419
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	0.295915	0.185091	0.182918
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	0.012383	0.009848	0.009599
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	0.155881	0.129948	0.127419
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	0.400972	0.310594	0.301888
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	0.489792	0.470033	0.465126
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	0.343139	0.262061	0.257699
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	0.428328	0.408945	0.400038
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	0.051991	0.037673	0.035748
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.001224	0.001235	0.001219
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	0.049813	0.038624	0.037216
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	0.031937	0.033199	0.032899
2270003020	Industrial Equipment	Forklifts	Diesel	CO	0.193955	0.204889	0.206202
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	0.059682	0.048552	0.048901
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	0.064731	0.052993	0.051746
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.005931	0.005738	0.005665
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	0.151597	0.137893	0.140017
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	0.082023	0.075824	0.077411
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000029	0.000032	0.000033
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	0.182361	0.169380	0.165758

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	0.039849	0.035620	0.034578
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	0.194387	0.194942	0.194032
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.020503	0.016816	0.017017
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.000651	0.000689	0.000692
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000004	0.000004	0.000004
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.115532	0.091268	0.087608
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.007196	0.006819	0.006742
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000060	0.000059	0.000058
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000014	0.000014	0.000014
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.000810	0.000715	0.000697
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000002	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.000692	0.000761	0.000770
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.002295	0.001875	0.001811
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.001028	0.000886	0.000865
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	0.237064	0.227768	0.225247
2270006010	Commercial Equipment	Pumps	Diesel	CO	0.055130	0.053824	0.053405
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	0.125764	0.116995	0.116154
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	0.186625	0.179512	0.174887
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.007138	0.006798	0.006716
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.005682	0.005127	0.005085
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.000746	0.000510	0.000502
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.000144	0.000126	0.000125
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.007106	0.004484	0.004176
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	0.886442	0.919888	0.919773
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	0.585514	0.583883	0.569211
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	0.211888	0.224521	0.221995
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	0.306675	0.321232	0.315408
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.002547	0.002966	0.003036
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.000044	0.000040	0.000039
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	0.167210	0.183918	0.186861
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.002677	0.002430	0.002373
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.006844	0.008769	0.008863
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.000032	0.000031	0.000029

Appendix F-2: Montgomery County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
Montgomery County Total Summer Day CO Emissions					**328.983005**	**417.470318**	**422.904687**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.000678	0.000852	0.000941
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.000686	0.001170	0.001306
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.001015	0.000577	0.000565
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.001088	0.000446	0.000414
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.000016	0.000027	0.000027
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.000019	0.000032	0.000032
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000000	0.000000	0.000000
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.002607	0.001062	0.001064
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000004	0.000006	0.000006
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.000011	0.000011	0.000010
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000001	0.000001	0.000001
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000133	0.000224	0.000242
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000134	0.000248	0.000262
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.001089	0.002068	0.002186
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	0.003812	0.001834	0.001868
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.002669	0.004647	0.004903
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.001820	0.002592	0.002625
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.001588	0.002964	0.003133
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.002898	0.002471	0.002448
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000001	0.000001	0.000001
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000000	0.000000	0.000000
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.000132	0.000265	0.000272
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.001050	0.001803	0.001852
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000000	0.000001	0.000001
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.000006	0.000011	0.000011
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000001	0.000001	0.000001
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.000797	0.000927	0.000959
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	0.007200	0.008546	0.008726
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	0.014013	0.009589	0.009659
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.000740	0.000623	0.000622
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.001656	0.000920	0.000870
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000009	0.000005	0.000005
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.001968	0.001207	0.001073
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.002838	0.001480	0.001396
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.004132	0.002545	0.002419
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.001717	0.001009	0.000991
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.000081	0.000046	0.000045
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.005000	0.002752	0.002593
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.001571	0.001041	0.000940
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.008503	0.004792	0.004657
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.003210	0.002390	0.002269
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.000823	0.000507	0.000473

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.000556	0.000335	0.000326
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.001419	0.000772	0.000691
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.003510	0.001627	0.001369
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.002667	0.001591	0.001565
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.003743	0.002190	0.002038
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.000526	0.000393	0.000381
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.001225	0.000776	0.000727
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	0.014155	0.006787	0.006098
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	0.059758	0.021987	0.017809
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	0.010641	0.003017	0.002437
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	0.009399	0.003300	0.002916
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.000938	0.000439	0.000394
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.000327	0.000131	0.000120
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	0.006172	0.001132	0.000796
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	0.098415	0.083599	0.077820
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	0.017251	0.011595	0.009552
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.008352	0.007058	0.006562
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.008696	0.006965	0.006327
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.000566	0.000449	0.000406
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.000447	0.000304	0.000279
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.001085	0.000859	0.000777
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	0.029524	0.018597	0.017990
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	0.025671	0.018183	0.018021
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.002393	0.001603	0.001626
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.002525	0.002068	0.002061
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.000989	0.000815	0.000750
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	0.352696	0.245457	0.242617
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	0.033425	0.021811	0.022120
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	0.010682	0.005599	0.005044
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	0.117059	0.068370	0.065988
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.009671	0.008610	0.008295
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.002598	0.002307	0.002222
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000000	0.000000	0.000000
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.000004	0.000002	0.000002
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000000	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000003	0.000002	0.000002
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000000	0.000000	0.000000
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.000005	0.000004	0.000004
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.000005	0.000004	0.000005
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.000005	0.000004	0.000003
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.000006	0.000004	0.000004
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.000008	0.000004	0.000003
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	0.142404	0.111243	0.109748

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	0.043097	0.028915	0.027335
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	0.029698	0.018548	0.017689
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	0.053623	0.036927	0.036474
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	0.062821	0.044560	0.042368
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.003131	0.002149	0.002168
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.000003	0.000003	0.000003
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000000	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.000243	0.000159	0.000159
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.000257	0.000223	0.000214
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.000931	0.000597	0.000517
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.001568	0.000760	0.000614
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.000245	0.000200	0.000187
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.000160	0.000097	0.000082
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.002849	0.001885	0.001651
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.000938	0.000846	0.000817
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.002716	0.000978	0.000727
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.001003	0.000815	0.000764
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.000167	0.000134	0.000125
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.001812	0.001299	0.001169
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.004507	0.002755	0.002334
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.000479	0.000254	0.000205
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.003724	0.002865	0.002639
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.001498	0.001249	0.001179
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	0.020110	0.016898	0.015892
2267003020	Industrial Equipment	Forklifts	LPG	NOx	1.895501	1.207033	1.027568
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	0.014464	0.006592	0.005364
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.004424	0.002450	0.002018
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.001086	0.000900	0.000842
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	0.008833	0.002950	0.002228
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	0.009091	0.005115	0.004229
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000000	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000000	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	0.073174	0.072326	0.070599
2267006010	Commercial Equipment	Pumps	LPG	NOx	0.017041	0.014540	0.013616
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	0.020544	0.015707	0.014207
2267006025	Commercial Equipment	Welders	LPG	NOx	0.025613	0.020711	0.018842
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.000337	0.000315	0.000300
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.000319	0.000209	0.000178
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.000059	0.000049	0.000047
2268003020	Industrial Equipment	Forklifts	CNG	NOx	0.138007	0.086412	0.073613
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.000165	0.000102	0.000087
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.000108	0.000064	0.000053
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.000506	0.000265	0.000212

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.000622	0.000204	0.000155
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.000008	0.000001	0.000001
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	0.023984	0.022436	0.021814
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.001203	0.001020	0.000966
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.001720	0.001254	0.001133
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	0.063528	0.006354	0.006535
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.001078	0.000153	0.000112
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	0.002658	0.002682	0.002665
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	0.075130	0.063577	0.061196
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.000165	0.000143	0.000139
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.002576	0.002239	0.002169
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	0.186411	0.162749	0.158043
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	0.215821	0.179750	0.172516
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	0.011881	0.010303	0.009957
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.008005	0.007349	0.007199
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	0.022511	0.020408	0.019986
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	0.086716	0.081336	0.079748
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	0.102951	0.096353	0.094264
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	0.745109	0.606658	0.576105
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.005831	0.005534	0.005476
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.003868	0.003706	0.003644
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	0.202915	0.170323	0.163456
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	0.189322	0.152497	0.145019
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	0.702777	0.592267	0.569079
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	0.035626	0.031051	0.029956
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	0.238169	0.218793	0.212592
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	0.912397	0.786896	0.759928
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	0.554323	0.523043	0.513594
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	0.801711	0.673855	0.646787
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	0.355415	0.355004	0.350879
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	0.096766	0.086168	0.083338
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.001144	0.001143	0.001133
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	0.093967	0.082727	0.080331
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	0.020910	0.020524	0.020235
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	0.220663	0.196479	0.187261
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	0.116988	0.101216	0.097173
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	0.133238	0.114904	0.110334
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.006163	0.005722	0.005588
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	0.570150	0.550830	0.538812
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	0.150971	0.124229	0.117165
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.000007	0.000008	0.000008
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	0.041412	0.044316	0.044467

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	0.009139	0.008975	0.008895
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	0.061877	0.067629	0.067581
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	0.006240	0.006303	0.006288
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.000162	0.000180	0.000180
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000000	0.000000	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.003426	0.003061	0.002980
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.000347	0.000319	0.000311
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000001	0.000002	0.000001
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000000	0.000000	0.000000
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.000025	0.000024	0.000024
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.000024	0.000023	0.000023
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.000072	0.000064	0.000063
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.000045	0.000041	0.000040
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	0.318589	0.332860	0.331758
2270006010	Commercial Equipment	Pumps	Diesel	NOx	0.075845	0.079034	0.078602
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	0.191442	0.190309	0.186347
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	0.092694	0.098990	0.098972
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	0.010643	0.011063	0.011027
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	0.008281	0.008202	0.008057
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.000183	0.000119	0.000108
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.702138	0.745292	0.752485
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.002916	0.002235	0.002106
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	6.472416	8.826027	9.218296
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.088405	0.105604	0.108470
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	2.012544	2.048166	2.057021
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.959662	1.113418	1.139023
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	0.013648	0.016513	0.017609
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.003821	0.005362	0.005751
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	0.025768	0.024577	0.025228
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	0.029274	0.032742	0.032978
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.000110	0.000117	0.000117
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	1.172177	0.893918	0.886181
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NOx	0.247723	0.188898	0.187264
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.002505	0.002450	0.002414
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.000046	0.000028	0.000028
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000006	0.000005	0.000004

Appendix F-2: Philadelphia County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
Philadelphia County Total Summer Day NOx Emissions					**23.019095**	**23.239297**	**23.224272**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	0.206818	0.277459	0.278260
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	0.206215	0.355165	0.345735
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	0.004869	0.004134	0.004086
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	0.065804	0.032263	0.028871
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.004001	0.001033	0.001035
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.004761	0.001224	0.001227
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.000034	0.000010	0.000010
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	0.175182	0.070653	0.070847
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.000882	0.000245	0.000246
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.002161	0.000422	0.000390
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.000171	0.000033	0.000031
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.039703	0.019737	0.017225
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.035756	0.011958	0.010081
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	0.325462	0.131969	0.117637
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	0.269645	0.116009	0.118164
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.762859	0.322032	0.289266
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.339481	0.098020	0.096386
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	0.514266	0.239900	0.220074
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	0.325445	0.118376	0.112143
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	0.080029	0.090113	0.091787
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	0.001756	0.001977	0.002014
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.000146	0.000037	0.000037
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.000008	0.000002	0.000002
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	0.033319	0.009813	0.010084
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	0.226969	0.069845	0.071396
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.000080	0.000026	0.000027
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.001250	0.000405	0.000416
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.000079	0.000039	0.000040
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	0.008407	0.011620	0.011737
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	0.085339	0.125947	0.127887
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	0.045487	0.041426	0.041727
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	0.005364	0.005129	0.005044
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.003361	0.002514	0.002448
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.000030	0.000023	0.000023
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	0.013175	0.010895	0.008810
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.005439	0.004236	0.004164
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	0.019328	0.015123	0.013491
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.006760	0.004742	0.004560
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.000467	0.000304	0.000283
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	0.013323	0.008966	0.008556
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.008089	0.006985	0.005717
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	0.019373	0.015868	0.015771
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	0.021380	0.018235	0.017030
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.000679	0.000554	0.000522

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.001773	0.001281	0.001214
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.000996	0.000716	0.000640
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.002399	0.001450	0.001208
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.006667	0.005420	0.005407
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.004740	0.003680	0.003514
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.003126	0.002636	0.002516
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.000865	0.000725	0.000680
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	0.015329	0.009226	0.008318
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	0.040857	0.019794	0.015941
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	0.012850	0.005240	0.004493
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	0.044946	0.016854	0.015329
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.001098	0.000646	0.000584
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.001106	0.000613	0.000564
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.004214	0.000907	0.000607
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	1.595912	1.688460	1.634049
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	0.163789	0.143153	0.107570
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.133055	0.141502	0.136297
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.077930	0.079820	0.071631
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.008564	0.009217	0.008696
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.002724	0.002437	0.001961
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	0.017478	0.018791	0.017751
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	0.054844	0.045833	0.044555
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	0.159107	0.179157	0.182484
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	0.003902	0.004394	0.004475
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	0.181641	0.186365	0.187806
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	0.006501	0.005724	0.005801
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	0.011521	0.010808	0.010664
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	0.009746	0.009866	0.009090
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	2.077410	2.057706	2.065768
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	0.087350	0.073534	0.074501
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	0.013138	0.010177	0.009749
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	0.318626	0.289358	0.268757
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.091886	0.091882	0.088582
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.022345	0.022094	0.021179
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000001	0.000001	0.000001
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000003	0.000002	0.000002
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000000	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000003	0.000002	0.000002
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000001	0.000001	0.000001
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.000017	0.000016	0.000015
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.000034	0.000034	0.000034
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000004	0.000004	0.000003
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.000006	0.000006	0.000006
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.000006	0.000003	0.000003
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	0.716026	0.703654	0.679073

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	0.188617	0.153599	0.131582
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	0.075341	0.058162	0.056667
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	0.122354	0.116228	0.117678
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	0.343684	0.327613	0.286362
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	0.011944	0.010304	0.010294
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.000016	0.000016	0.000016
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000000	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.000641	0.000541	0.000541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.000070	0.000061	0.000059
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.000254	0.000167	0.000145
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.000430	0.000216	0.000172
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.000066	0.000055	0.000052
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.000044	0.000027	0.000023
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.000777	0.000529	0.000463
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.000252	0.000231	0.000223
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.000753	0.000279	0.000199
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.000271	0.000225	0.000212
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.000045	0.000037	0.000035
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.000492	0.000363	0.000327
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.001232	0.000780	0.000661
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.000131	0.000072	0.000058
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.001009	0.000795	0.000733
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.000405	0.000344	0.000326
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.005417	0.004658	0.004391
2267003020	Industrial Equipment	Forklifts	LPG	VOC	0.516831	0.340964	0.290261
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.003981	0.001875	0.001500
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.001210	0.000694	0.000568
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.000293	0.000249	0.000233
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.002437	0.000845	0.000616
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.002487	0.001449	0.001195
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000000	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000000	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	0.014859	0.014838	0.014526
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.003504	0.003014	0.002825
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.004261	0.003280	0.002964
2267006025	Commercial Equipment	Welders	LPG	VOC	0.006897	0.005760	0.005253
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.000090	0.000086	0.000082
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.000066	0.000043	0.000036
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000001	0.000001	0.000001
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.002221	0.001441	0.001228
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000003	0.000002	0.000001
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000002	0.000001	0.000001
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.000008	0.000004	0.000004

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.000010	0.000003	0.000003
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000000	0.000000	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.000290	0.000274	0.000267
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.000015	0.000013	0.000012
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.000021	0.000016	0.000014
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.001104	0.000064	0.000066
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.000018	0.000002	0.000001
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.000850	0.000750	0.000725
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.007245	0.005323	0.005058
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.000027	0.000022	0.000022
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.000450	0.000356	0.000336
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	0.020538	0.014461	0.013706
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	0.015070	0.010435	0.009988
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.001324	0.000976	0.000918
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.000914	0.000658	0.000623
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.004440	0.002958	0.002696
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	0.012229	0.008509	0.007960
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.009588	0.008237	0.007941
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	0.059463	0.045661	0.043499
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.000985	0.000628	0.000586
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.000461	0.000422	0.000411
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	0.015490	0.011700	0.011153
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	0.014806	0.011427	0.010947
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	0.051248	0.033276	0.031696
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.003158	0.002341	0.002205
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	0.029532	0.022006	0.020560
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	0.073914	0.057065	0.054325
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	0.127598	0.112739	0.108664
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	0.064225	0.046546	0.044324
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	0.123192	0.103927	0.099041
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.008689	0.005915	0.005487
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.000374	0.000339	0.000328
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.008108	0.006172	0.005881
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.006166	0.005716	0.005550
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	0.021765	0.017250	0.015855
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	0.011257	0.008284	0.007858
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	0.012186	0.009555	0.009013
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.001147	0.001044	0.001014
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	0.077267	0.051335	0.048074
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	0.011924	0.010098	0.009579
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000001	0.000001	0.000001
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	0.008162	0.006436	0.006054

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.001808	0.001348	0.001254
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	0.006997	0.006697	0.006549
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.000844	0.000550	0.000527
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.000026	0.000025	0.000024
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000000	0.000000	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.000426	0.000309	0.000292
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.000031	0.000028	0.000027
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000000	0.000000	0.000000
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000000	0.000000	0.000000
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.000005	0.000003	0.000003
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000003	0.000003	0.000003
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.000009	0.000007	0.000007
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.000006	0.000004	0.000004
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	0.048352	0.043141	0.041777
2270006010	Commercial Equipment	Pumps	Diesel	VOC	0.010632	0.009659	0.009368
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	0.023967	0.019137	0.018039
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	0.036486	0.031973	0.030632
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.001520	0.001400	0.001367
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.001116	0.000848	0.000800
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.000013	0.000009	0.000008
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.508940	0.590015	0.603528
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.000239	0.000146	0.000133
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	1.136430	1.633524	1.716373
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.005567	0.007444	0.007756
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.157376	0.163121	0.164206
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.120923	0.146484	0.150742
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	0.725113	0.595597	0.573151
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	0.226762	0.152135	0.140134
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	0.069786	0.072487	0.072552
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.001095	0.001196	0.001196
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.000028	0.000023	0.000022
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	0.050664	0.049995	0.049746
2285002010	Railroad Equipment	Yard Locomotives	Diesel	VOC	0.010706	0.010565	0.010501
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.000486	0.000443	0.000430
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.000152	0.000122	0.000114
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000002	0.000001	0.000001

Appendix F-2: Philadelphia County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
Philadelphia County Total Summer Day VOC Emissions					**15.042851**	**13.299887**	**12.973031**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	0.170122	0.277330	0.286517
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	0.167734	0.386023	0.405823
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	0.108296	0.137150	0.138898
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	0.156873	0.151885	0.149233
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.007562	0.005550	0.005566
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.009075	0.006695	0.006714
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.000066	0.000051	0.000052
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	0.414538	0.385538	0.386595
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.001769	0.001366	0.001370
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.004390	0.002324	0.002147
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.000350	0.000185	0.000171
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	0.069565	0.056527	0.054395
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	0.068723	0.054808	0.053509
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	0.567984	0.463608	0.454470
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	0.632741	0.643556	0.655509
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	1.309048	0.968733	0.938938
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	0.683048	0.565556	0.572798
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	0.816954	0.651140	0.636443
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	0.688820	0.635292	0.639520
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.000281	0.000225	0.000229
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.000014	0.000010	0.000010
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	0.063043	0.053605	0.055081
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	0.443927	0.353143	0.361939
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.000164	0.000151	0.000155
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.002553	0.002338	0.002403
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.000190	0.000216	0.000223
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	0.077499	0.121174	0.123288
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	0.698622	1.250094	1.309170
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	2.347128	2.919122	2.940334
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	0.097652	0.113382	0.113887
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	0.143803	0.169888	0.169210
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.001137	0.001402	0.001412
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	0.265561	0.314276	0.314066
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	0.269518	0.315069	0.313733
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	0.519952	0.625420	0.627465
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	0.235678	0.283045	0.283485
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.011993	0.014246	0.014269
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	0.440754	0.514685	0.512546
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	0.129855	0.148461	0.147581
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	1.088446	1.289487	1.289053
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	0.455258	0.530130	0.533835
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	0.018219	0.018378	0.017672

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	0.063915	0.076642	0.076669
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	0.023782	0.019763	0.017929
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	0.057021	0.040281	0.034234
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	0.342762	0.414545	0.414944
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	0.151635	0.170151	0.167725
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	0.070888	0.082550	0.083032
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	0.019992	0.018670	0.017634
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	0.435045	0.339081	0.311250
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	0.983435	0.544920	0.446051
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	0.422749	0.284308	0.253911
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	1.078486	0.841894	0.774861
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	0.033260	0.026255	0.024087
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	0.043093	0.036148	0.033446
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	0.102126	0.029661	0.020752
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	14.013924	17.781590	18.044335
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	2.502524	3.171792	3.200943
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	1.180442	1.494201	1.515651
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	1.219182	1.556755	1.578222
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.078701	0.100209	0.101524
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.062148	0.081740	0.082858
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	0.150434	0.191455	0.193900
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	2.487336	3.293957	3.335482
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	3.295739	4.409490	4.513947
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	0.322051	0.436979	0.445412
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	0.347786	0.451570	0.461902
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	0.139705	0.178326	0.180897
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	43.820450	59.034918	60.492985
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	4.331628	5.939950	6.055382
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	0.575260	0.696888	0.693980
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	13.398525	17.262397	17.518276
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	1.430367	1.815861	1.850189
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	0.378802	0.480768	0.489825
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.000053	0.000070	0.000071
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.000107	0.000105	0.000099
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000001	0.000001	0.000001
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.000048	0.000051	0.000050
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.000041	0.000053	0.000054
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.000351	0.000430	0.000435
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.000872	0.001075	0.001089
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.000077	0.000081	0.000079
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.000159	0.000186	0.000185
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.000149	0.000107	0.000089
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	18.750919	26.394060	27.231301

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	4.332849	5.991674	6.127467
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	2.152352	2.929390	2.989822
2265006025	Commercial Equipment	Welders	4 Stroke	CO	5.407294	7.596610	7.774306
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	8.212233	11.627046	11.936142
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	0.415570	0.591488	0.607424
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.000433	0.000603	0.000625
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.000005	0.000007	0.000007
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	0.040973	0.048444	0.048444
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.001028	0.000986	0.000956
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.003755	0.003290	0.002966
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.006385	0.004947	0.004139
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.000980	0.000952	0.000908
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.000648	0.000555	0.000494
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.011489	0.010207	0.009274
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.003710	0.003774	0.003680
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.011196	0.007576	0.005727
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.004006	0.003891	0.003710
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.000667	0.000644	0.000612
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.007280	0.006698	0.006208
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	0.018244	0.015743	0.014050
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.001948	0.001580	0.001358
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	0.014909	0.014123	0.013292
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.005967	0.005861	0.005620
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	0.079839	0.080836	0.077337
2267003020	Industrial Equipment	Forklifts	LPG	CO	7.648155	6.891042	6.181756
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	0.059087	0.046254	0.038255
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	0.017916	0.015142	0.013102
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.004318	0.004348	0.004148
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	0.036198	0.025834	0.020049
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	0.036834	0.030663	0.026764
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000000	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000000	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	CO	0.195008	0.233568	0.231407
2267006010	Commercial Equipment	Pumps	LPG	CO	0.046189	0.052218	0.050293
2267006015	Commercial Equipment	Air Compressors	LPG	CO	0.056323	0.061196	0.057738
2267006025	Commercial Equipment	Welders	LPG	CO	0.101638	0.109825	0.103182
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.001318	0.001516	0.001472
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.000879	0.000901	0.000822
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.000235	0.000231	0.000222
2268003020	Industrial Equipment	Forklifts	CNG	CO	0.557756	0.490889	0.440000
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.000667	0.000585	0.000523
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.000436	0.000375	0.000332
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.002053	0.001677	0.001436

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.002549	0.001776	0.001376
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.000035	0.000004	0.000002
2268006005	Commercial Equipment	Generator Sets	CNG	CO	0.064754	0.070535	0.069448
2268006010	Commercial Equipment	Pumps	CNG	CO	0.003280	0.003434	0.003319
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.004750	0.004704	0.004420
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	0.284239	0.033099	0.034042
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	0.004580	0.001414	0.000842
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	0.003162	0.002850	0.002768
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	0.038133	0.028621	0.028208
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.000096	0.000102	0.000103
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.001540	0.001521	0.001513
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	0.109726	0.084912	0.083548
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	0.099150	0.077428	0.075875
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.007119	0.005442	0.005222
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.005371	0.004300	0.004146
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	0.014018	0.011122	0.010599
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	0.065874	0.053729	0.051887
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	0.039571	0.034123	0.033108
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	0.304392	0.234344	0.233588
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.005094	0.004051	0.003919
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.001748	0.001698	0.001686
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	0.055571	0.042898	0.041860
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	0.071702	0.052039	0.051943
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	0.311025	0.194542	0.192258
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	0.013015	0.010351	0.010089
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	0.163840	0.136583	0.133925
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	0.421446	0.326453	0.317303
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	0.514801	0.494034	0.488876
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	0.360660	0.275442	0.270858
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	0.450199	0.429826	0.420464
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	0.054646	0.039597	0.037573
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.001287	0.001298	0.001282
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	0.052356	0.040596	0.039116
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	0.021201	0.022038	0.021839
2270003020	Industrial Equipment	Forklifts	Diesel	CO	0.128752	0.136010	0.136882
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	0.039618	0.032230	0.032462
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	0.042970	0.035178	0.034350
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.003937	0.003809	0.003760
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	0.294825	0.268173	0.272305
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	0.054449	0.050334	0.051387
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000004	0.000005	0.000005
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	0.026020	0.024167	0.023651

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	0.005686	0.005082	0.004934
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	0.027735	0.027815	0.027685
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.002925	0.002399	0.002428
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.000093	0.000098	0.000099
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000000	0.000000	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.002076	0.001640	0.001575
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.000129	0.000123	0.000121
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000001	0.000001	0.000001
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000000	0.000000	0.000000
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.000015	0.000013	0.000013
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.000012	0.000014	0.000014
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.000041	0.000034	0.000033
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.000018	0.000016	0.000016
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	0.170665	0.163973	0.162158
2270006010	Commercial Equipment	Pumps	Diesel	CO	0.039688	0.038749	0.038447
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	0.090539	0.084226	0.083620
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	0.134354	0.129233	0.125903
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.005139	0.004894	0.004835
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.004091	0.003691	0.003661
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.000063	0.000043	0.000042
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	13.406724	15.511107	15.861838
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.000987	0.000623	0.000580
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	11.068534	14.650987	15.248063
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.130758	0.139106	0.140497
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.292527	0.308675	0.311454
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.113195	0.137370	0.141403
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	1.064572	1.061605	1.034929
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	0.385252	0.408219	0.403627
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	0.557592	0.584059	0.573470
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.004630	0.005393	0.005519
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.000079	0.000072	0.000070
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	0.129093	0.141993	0.144264
2285002010	Railroad Equipment	Yard Locomotives	Diesel	CO	0.027279	0.030004	0.030485
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.002069	0.001878	0.001834
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.005288	0.006776	0.006849
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.000025	0.000024	0.000022

Appendix F-2: Philadelphia County Nonroad Source Daily Emissions by SCC

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2008 Emissions	2009 Emissions
Philadelphia County Total Summer Day CO Emissions					**186.817030**	**235.769140**	**239.583769**

2008 and 2009 Emissions Difference by County

Counties	NOx	VOC
Bucks	0.383517	0.646158
Chester	0.350484	0.52354
Delaware	0.194489	0.345373
Montgomery	0.593544	0.892689
Philadelphia	0.435249	0.415047
Total	**1.957283**	**2.822807**