

**Appendix D2: Wayne County Annual Nonroad Emissions by SCC**  
Tons per Year

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.179608	1.295554	2.119414	3.432534
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.513537	1.070402	1.936985	5.374878
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.181605	1.549404	2.941184	4.983109
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.268670	1.560905	1.271890	1.310626
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.015857	0.021861	0.011857	0.011892
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.000232	0.000563	0.000775	0.000795
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.000281	0.000687	0.000928	0.000951
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000002	0.000006	0.000007	0.000007
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.037989	0.049315	0.030508	0.031259
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000063	0.000148	0.000183	0.000187
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.000573	0.000093	0.000078	0.000028
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000046	0.000007	0.000006	0.000002
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.001711	0.001281	0.002433	0.003070
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.011284	0.003130	0.005953	0.007132
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.022317	0.018336	0.035182	0.042066
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	0.514487	0.098980	0.067745	0.078930
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.034248	0.026942	0.049391	0.058973
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.153772	0.042934	0.059596	0.069289
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.020381	0.016610	0.031559	0.037698
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.244843	0.056455	0.055577	0.064236
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.006171	0.004652	0.005120	0.005965
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.013236	0.003590	0.003951	0.004603
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000048	0.000106	0.000026	0.000030
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.001036	0.000638	0.001031	0.001170
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.002011	0.002041	0.003275	0.004061
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.015983	0.015616	0.022295	0.027600
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000006	0.000006	0.000009	0.000011
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.000097	0.000097	0.000135	0.000167
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.029826	0.021814	0.014245	0.018041
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.299524	2.160537	2.747596	3.038913
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	2.704010	20.331852	24.993069	24.123463
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	3.886416	1.729252	1.647480	1.756428
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.278104	1.773994	1.781054	1.711195
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.034239	0.043806	0.031698	0.024100
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000190	0.000246	0.000196	0.000198
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.040671	0.055784	0.039098	0.036363
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.058663	0.073945	0.050868	0.042144
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.085412	0.114318	0.088150	0.083862
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.035496	0.045335	0.036117	0.035682
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.001666	0.002184	0.001636	0.001676
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.103343	0.134451	0.094506	0.069804
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.032472	0.045853	0.034258	0.025494
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.175761	0.220068	0.169728	0.163777
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.066350	0.097935	0.082706	0.072187
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.017013	0.023221	0.017251	0.007138
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.011488	0.014786	0.011865	0.010342
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.029321	0.039483	0.025166	0.006620
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.072550	0.095693	0.049905	0.010675
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.055118	0.068737	0.057031	0.054993
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.077358	0.103769	0.074278	0.039781
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.010867	0.015897	0.013886	0.012425
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.025317	0.034878	0.026495	0.011619
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	1.023256	0.096627	0.060937	0.018350
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	4.319754	0.408691	0.177972	0.013447
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	0.769231	0.069355	0.024354	0.004105
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	0.679414	0.063563	0.029145	0.008426
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.067835	0.006526	0.003934	0.000939
2265003060	Industrial Equipment	AC/Refrigeration	4 Stroke	NOx	0.007628	0.003103	0.001853	0.000656
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	0.446131	0.039382	0.007957	0.001002
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	1.791317	1.102375	0.996776	0.740436
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	2.067022	0.421922	0.275736	0.279594
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.152015	0.093405	0.084055	0.062047
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	1.041927	0.216365	0.182659	0.143929
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.010293	0.006219	0.005205	0.004095
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.053590	0.010094	0.008058	0.008618
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.019753	0.011931	0.009955	0.007812
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	3.537515	0.636622	0.519323	0.432422
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.201206	0.151678	0.166923	0.194483
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	0.431521	0.117051	0.128815	0.150084
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	0.467256	0.260203	0.230821	0.258312
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.286718	0.050056	0.046947	0.054639
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.302517	0.061997	0.059491	0.062556
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.118511	0.024802	0.021647	0.016583
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	6.419681	3.566063	3.107627	3.464653
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	4.004891	0.690618	0.638554	0.743090
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	1.279870	0.231801	0.145600	0.094639
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	14.025857	2.499688	1.904906	2.097512
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.176034	0.108277	0.064669	0.094669
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.311251	0.065477	0.064151	0.056991
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.018505	0.006522	0.006067	0.006869
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.206032	0.078335	0.045613	0.015533
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.001550	0.000626	0.000545	0.000371

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2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.146454	0.059176	0.051534	0.035083
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.015123	0.005981	0.005279	0.005658
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.238257	0.098371	0.087859	0.070899
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.228390	0.098101	0.109173	0.128408
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.231970	0.093730	0.081625	0.055568
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.277308	0.112067	0.098004	0.070304
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.403580	0.151475	0.068610	0.019639
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	3.074011	1.797807	1.679819	1.943481
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	0.930311	0.524695	0.418400	0.422674
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	0.641080	0.357632	0.270747	0.212180
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	1.157525	0.629203	0.558281	0.542603
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	1.356089	0.769985	0.648497	0.759860
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.067592	0.036381	0.033187	0.039772
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.100974	0.083547	0.089498	0.100462
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.001135	0.000870	0.000672	0.000851
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.532614	0.000000	0.000000	0.000000
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.093374	0.569049	0.481964	0.312932
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.018611	0.025434	0.014814	0.004099
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.031354	0.041228	0.017610	0.004799
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.004907	0.006937	0.005371	0.002210
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.003203	0.004346	0.002354	0.000672
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.056967	0.078175	0.047334	0.012733
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.018748	0.026933	0.023418	0.015544
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.054301	0.068632	0.020831	0.007958
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.020056	0.028345	0.021885	0.008780
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.003339	0.004707	0.003571	0.001294
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.036219	0.050264	0.033499	0.008986
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.090118	0.122481	0.066889	0.014772
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.009574	0.012768	0.005876	0.001435
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.074461	0.104356	0.075640	0.030657
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.029941	0.042480	0.033797	0.015618
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	1.406195	0.158056	0.124892	0.060768
2267003020	Industrial Equipment	Forklifts	LPG	NOx	132.540054	14.345318	8.075543	1.883660
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	1.011392	0.104922	0.042153	0.013433
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.309314	0.032818	0.015857	0.004133
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.075950	0.008520	0.006616	0.002477
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	0.617628	0.062470	0.017513	0.007793
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	1.053671	0.193510	0.096012	0.022669
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.004045	0.001593	0.001330	0.000838
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.003405	0.001247	0.000534	0.000108
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	1.527906	0.926326	0.849800	0.613196
2267006010	Commercial Equipment	Pumps	LPG	NOx	0.355817	0.210707	0.163897	0.082078
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	0.428967	0.249988	0.171008	0.052540
2267006025	Commercial Equipment	Welders	LPG	NOx	0.534820	0.315799	0.226800	0.067623
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.007028	0.004239	0.003615	0.001807
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.006661	0.003802	0.002148	0.000762
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000000	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.001181	0.001676	0.001334	0.000621
2268003020	Industrial Equipment	Forklifts	CNG	NOx	9.649958	1.034950	0.578518	0.135110
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.011532	0.001235	0.000682	0.000159
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.007539	0.000803	0.000417	0.000100
2268003060	Industrial Equipment	AC/Refrigeration	CNG	NOx	0.011401	0.005725	0.002566	0.000805
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.043477	0.004364	0.001216	0.000542
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.004894	0.001621	0.000906	0.000254
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.381991	0.089194	0.010033	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	0.500797	0.294148	0.262576	0.186507
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.025111	0.014511	0.011629	0.006277
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.035920	0.020289	0.013642	0.003808
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	1.326492	0.268382	0.078668	0.098307
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	2.286465	0.000000	0.000000	0.000000
2270001060	Recreational Equipment	Specialty Vehicle Carts	Diesel	NOx	0.965567	6.061508	6.003612	4.901470
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	1.502109	2.054779	1.753999	0.803236
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.003301	0.004615	0.003970	0.003395
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.051497	0.071778	0.062161	0.055633
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	3.726985	5.159188	4.529807	2.285746
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	4.315000	5.944925	4.944642	2.165590
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	0.237539	0.329154	0.285379	0.162167
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.160056	0.225488	0.026349	0.140891
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	0.450077	0.630000	0.572846	0.536583
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	1.733742	2.456912	2.285741	1.594345
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	2.058342	2.924670	2.701787	1.900342
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	14.897271	20.117333	16.512252	5.660434
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.116572	0.164879	0.156947	0.114922
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.077334	0.110555	0.104448	0.080333
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	4.056971	5.586035	4.684971	2.171910
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	3.785197	5.076709	4.156508	1.410237
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	14.050921	19.490312	16.310881	8.066584
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	0.712293	0.990978	0.858604	0.479119
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	4.761823	6.740205	6.093285	3.167063
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	18.241942	25.255566	21.780977	11.005031

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2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	11.082816	15.722550	14.720573	9.740301
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	16.028952	21.981003	18.538132	8.143298
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	7.105971	10.276529	10.056842	8.210142
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	1.934681	2.714071	2.388636	1.406054
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.022871	0.033044	0.032474	0.026760
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	1.878730	2.621814	2.302447	1.348038
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	1.462091	0.164773	0.159022	0.133351
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	15.429558	1.718373	1.471661	0.550258
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	8.180177	0.879503	0.763672	0.320495
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	9.316487	1.013568	0.867104	0.430949
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.430907	0.047778	0.043915	0.030989
2270003060	Industrial Equipment	AC/Refrigeration	Diesel	NOx	12.857761	6.857499	6.535522	5.375639
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	10.556412	1.138773	0.920787	0.255664
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.000781	0.000161	0.000175	0.000184
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.157833	0.042860	0.043668	0.033327
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	4.799555	0.972013	1.009474	1.027339
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	1.059192	0.208525	0.201926	0.222226
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	7.171495	1.473659	1.534221	1.202868
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	0.723247	0.142157	0.142741	0.096850
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.018822	0.003866	0.004095	0.003980
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.003667	0.001382	0.001072	0.001094
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	158.690491	62.358604	55.957326	35.566687
2270005020	Agricultural Equipment	Combines	Diesel	NOx	16.089637	6.407541	5.847314	3.978901
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.068966	0.028316	0.028018	0.022974
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.014704	0.005893	0.005490	0.003824
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	1.140283	0.464362	0.447344	0.323735
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.001875	0.000763	0.000727	0.000520
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	1.126588	0.452700	0.425471	0.310964
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	3.314956	1.313560	1.179947	0.770416
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	2.079131	0.833799	0.753276	0.420376
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	6.652293	3.937804	3.993365	3.344189
2270006010	Commercial Equipment	Pumps	Diesel	NOx	1.583686	0.937351	0.946136	0.779407
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	3.997408	2.340637	2.243056	1.425434
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	1.935502	1.151687	1.191323	1.069882
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	0.222224	0.131332	0.132734	0.111933
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	0.172907	0.100801	0.096982	0.066139
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	5.923598	3.957054	2.648794	0.554805
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	6.186767	0.000000	0.000000	0.000000
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx				
2275070000	Aircraft	Auxiliary Power Units	Other	NOx				
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.000000	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	12.546537	12.808645	18.792728	26.780630
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	3.512561	3.927882	6.137482	7.925312
2282010005	Pleasure Craft	Inboard/Stern Drive	4 Stroke	NOx	33.599032	29.962099	34.236470	41.644754
2282020005	Pleasure Craft	Inboard/Stern Drive	Diesel	NOx	36.921810	32.998716	35.195092	37.133995
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.139028	0.120269	0.125262	0.132659
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx				
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx				
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.047824	0.000000	0.000000	0.000000
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.000905	0.000000	0.000000	0.000000
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000118	0.000000	0.000000	0.000000

**Wayne  
County  
Total  
Annual NOx  
Emissions**

**700.821920 410.201159 391.754858 311.673728**

**Appendix D2: Wayne County Annual Nonroad Emissions by SCC**  
Tons per Year

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	75.027611	540.459575	619.282438	502.323676
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	78.452115	163.582946	169.834061	120.485981
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	74.893384	641.628720	769.502654	310.095757
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	1.488653	8.728298	7.442355	7.611158
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	1.325233	1.819751	0.819622	0.813109
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.080246	0.069682	0.028778	0.029487
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.095630	0.080722	0.034262	0.035105
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.000687	0.000538	0.000295	0.000302
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	3.540508	4.177749	2.025508	2.075345
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.017761	0.013599	0.006929	0.007099
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.152393	0.007965	0.003028	0.001073
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.012095	0.000630	0.000238	0.000084
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.667242	0.331891	0.148682	0.123089
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	4.190179	0.676683	0.228049	0.224033
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	8.629857	4.095325	1.486130	1.507653
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	50.465574	8.488578	4.271186	4.976397
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	12.697426	6.094206	2.358262	2.423580
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	39.749594	5.674702	2.173695	2.517779
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	8.330334	4.046368	1.717001	1.802441
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	38.128178	6.034163	2.537298	2.902927
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	5.909563	4.467317	4.917068	5.730008
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	11.232467	3.047708	3.354609	3.909326
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.017138	0.002345	0.000843	0.000983
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.362078	0.106877	0.036946	0.041255
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	0.694835	0.264224	0.115346	0.143071
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	4.765169	1.591441	0.839106	1.012016
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.001690	0.000537	0.000320	0.000397
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.026358	0.008419	0.004966	0.006158
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	2.584292	1.848326	0.987536	1.250679
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	2.778861	19.494698	23.502877	23.952354
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	28.993047	212.638977	263.033680	262.607130
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	13.351286	5.954388	5.674441	6.049693
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	1.644569	9.878077	8.822841	7.210601
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.073064	0.092341	0.068292	0.064292
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.000618	0.000773	0.000609	0.000613
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	0.287030	0.402758	0.246731	0.204277
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.118249	0.146787	0.118540	0.113628
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	0.398317	0.529490	0.354260	0.331458
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.147643	0.195715	0.128769	0.130841
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.010339	0.014241	0.008141	0.008341
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	0.292101	0.388640	0.242444	0.226890
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.170501	0.244027	0.154867	0.119425
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	0.426740	0.528689	0.455939	0.459458
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	0.423978	0.562435	0.441640	0.340769
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.014679	0.019921	0.015172	0.007203
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.038552	0.050653	0.034118	0.033523
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.021886	0.029671	0.018959	0.004220
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.052971	0.070293	0.035932	0.004876
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.143282	0.175886	0.151462	0.152502
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.098899	0.129012	0.096064	0.068834
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.059263	0.078221	0.062237	0.052113
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.018888	0.026306	0.020131	0.008461
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	1.112363	0.105513	0.063107	0.019844
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	3.166688	0.300774	0.129991	0.006989
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	0.980532	0.088927	0.035051	0.008867
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	3.506918	0.341657	0.120576	0.041240
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.079278	0.007389	0.004382	0.001193
2265003060	Industrial Equipment	AC/Refrigeration	4 Stroke	VOC	0.024579	0.010094	0.006052	0.002156
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.326003	0.028862	0.004940	0.000425
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	24.574021	14.032753	13.084902	9.715517
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	21.505888	4.392218	2.509912	2.343551
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	2.051775	1.179256	1.088832	0.770418
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	10.302821	2.000892	1.694448	1.064336
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.128619	0.075605	0.067045	0.050556
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.355284	0.069894	0.045240	0.041798
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	0.259944	0.153928	0.136787	0.104786
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	7.151976	1.244691	1.038827	1.055266
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	2.108881	1.619767	1.782753	2.077377
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	1.691318	0.460220	0.506622	0.590483
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	2.310736	1.317158	1.256558	1.426135
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	0.824717	0.143105	0.131495	0.153036
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	1.309889	0.244619	0.215275	0.219448
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	1.249263	0.238190	0.207893	0.130080
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	27.882541	15.492828	14.140265	15.934393
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	11.180575	1.893636	1.694711	1.971888
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	1.691297	0.299242	0.226057	0.204513
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	41.380010	7.678644	6.245056	6.553396
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	1.559482	0.871857	0.785685	0.603308
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	2.716899	0.520056	0.468610	0.359705
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.054820	0.019147	0.017531	0.019852
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.179457	0.067255	0.041871	0.019514
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.001261	0.000529	0.000468	0.000318

**Appendix D2: Wayne County Annual Nonroad Emissions by SCC**  
Tons per Year

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.129190	0.055012	0.048958	0.033326
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.056246	0.020559	0.016875	0.017666
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.812203	0.323099	0.270313	0.214699
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	1.585613	0.638995	0.611882	0.539747
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.190403	0.079961	0.070813	0.048106
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.308131	0.122855	0.105283	0.083369
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.327692	0.124839	0.054819	0.016957
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	14.063264	7.971390	6.847850	7.601822
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	4.270121	2.516820	1.519868	1.781783
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	1.727137	0.998805	0.676190	0.762554
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	2.684307	1.440773	1.350518	1.555019
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	7.464623	4.355984	3.166567	3.426034
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	0.263793	0.147214	0.117391	0.144659
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.479228	0.347156	0.308573	0.322982
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.008663	0.006875	0.003664	0.004640
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000000	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	1.517186	0.000000	0.000000	0.000000
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.025298	0.154506	0.132428	0.086434
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.005073	0.006987	0.004152	0.000853
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.008607	0.011444	0.004941	0.000770
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.001327	0.001885	0.001488	0.000578
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.000875	0.001198	0.000661	0.000137
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.015525	0.021464	0.013276	0.002673
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.005038	0.007262	0.006405	0.004261
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.015046	0.019298	0.005708	0.001214
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.005426	0.007706	0.006070	0.002302
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.000904	0.001281	0.000992	0.000333
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.009846	0.013752	0.009381	0.001984
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.024630	0.033761	0.018934	0.002539
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.002626	0.003538	0.001663	0.000225
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.020183	0.028442	0.021023	0.007856
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.008087	0.011526	0.009343	0.004182
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.378782	0.042823	0.034508	0.016022
2267003020	Industrial Equipment	Forklifts	LPG	VOC	36.138600	3.947010	2.281133	3.323712
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.278342	0.029234	0.011791	0.002159
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.084576	0.009067	0.004464	0.000669
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.020479	0.002311	0.001834	0.000632
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.170384	0.017487	0.004838	0.001175
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.288190	0.053426	0.027122	0.003733
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.001099	0.000434	0.000367	0.000233
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000936	0.000346	0.000152	0.000017
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	0.310260	0.188479	0.174845	0.126272
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.073170	0.043434	0.034003	0.016019
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.088967	0.051997	0.035676	0.008914
2267006025	Commercial Equipment	Welders	LPG	VOC	0.144013	0.085729	0.063225	0.013892
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.001873	0.001137	0.000991	0.000468
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.001387	0.000794	0.000439	0.000127
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000000	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000019	0.000027	0.000022	0.000010
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.155272	0.016797	0.009647	0.001390
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000186	0.000020	0.000011	0.000002
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000121	0.000013	0.000007	0.000001
2268003060	Industrial Equipment	AC/Refrigeration	CNG	VOC	0.000184	0.000093	0.000043	0.000009
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.000707	0.000072	0.000020	0.000005
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000084	0.000028	0.000016	0.000004
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.006435	0.001527	0.000174	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.006052	0.003561	0.003212	0.002295
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.000306	0.000177	0.000143	0.000075
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.000441	0.000250	0.000169	0.000039
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.023061	0.005120	0.000792	0.000989
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.038220	0.000000	0.000000	0.000000
2270001060	Recreational Equipment	Specialty Vehicle Carts	Diesel	VOC	0.308716	1.858715	1.632859	1.061536
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.144859	0.187012	0.144983	0.083814
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.000537	0.000748	0.000616	0.000474
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.009000	0.012279	0.009642	0.007214
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	0.410628	0.524592	0.392834	0.226150
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	0.301298	0.385402	0.286285	0.218792
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.026473	0.034902	0.026303	0.016162
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.018265	0.023770	0.017865	0.011351
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.088778	0.114786	0.077278	0.052217
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	0.244494	0.315361	0.228150	0.124777
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.191705	0.264473	0.227607	0.155810
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	1.188870	1.531099	1.246759	0.779520
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.019696	0.024692	0.016783	0.009180
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.009219	0.012992	0.011791	0.008690
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	0.309704	0.407936	0.319678	0.207738
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	0.296015	0.381020	0.313756	0.197915
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	1.024618	1.268964	0.908453	0.795567
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.063135	0.082815	0.063206	0.038370
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	0.590450	0.782387	0.589290	0.319442
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	1.477798	1.971417	1.557070	1.019653

**Appendix D2: Wayne County Annual Nonroad Emissions by SCC**  
Tons per Year

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	2.551118	3.561423	3.114523	1.779060
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	1.284087	1.652874	1.270421	0.853044
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	2.463037	3.393387	2.838694	1.643934
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.173731	0.221252	0.157280	0.109477
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.007486	0.010542	0.009409	0.005846
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.162113	0.214380	0.168560	0.108144
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.431141	0.047929	0.043619	0.028988
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	1.521881	0.162731	0.124600	0.066262
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	0.787130	0.078582	0.061753	0.035380
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	0.852057	0.090198	0.070833	0.043245
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.080197	0.008853	0.007967	0.005261
2270003060	Industrial Equipment	AC/Refrigeration	Diesel	VOC	1.742488	0.796537	0.583115	0.313469
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	0.833798	0.089321	0.075281	0.045077
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.001598	0.000031	0.000030	0.000025
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.015155	0.003894	0.003571	0.002711
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	0.945996	0.176062	0.137435	0.093434
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.209504	0.038345	0.028459	0.023622
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	0.810917	0.158935	0.148666	0.111645
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.097776	0.015926	0.011974	0.008110
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.003012	0.000589	0.000544	0.000417
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000658	0.000247	0.000174	0.000150
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	19.707814	7.185190	5.482889	3.227123
2270005020	Agricultural Equipment	Combines	Diesel	VOC	1.435281	0.568598	0.508821	0.362554
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.014529	0.000569	0.000450	0.000281
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.002339	0.000907	0.000759	0.000472
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.209366	0.078955	0.061698	0.036371
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000217	0.000083	0.000069	0.000045
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.129220	0.052058	0.048531	0.035079
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.439331	0.163534	0.124192	0.074536
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	2.70423	0.099541	0.074266	0.040800
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	1.009619	0.569019	0.502873	0.340263
2270006010	Commercial Equipment	Pumps	Diesel	VOC	0.222010	0.125906	0.112768	0.080292
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	0.500447	0.273240	0.217131	0.124422
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	0.761855	0.428253	0.368722	0.204433
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.031736	0.018024	0.016456	0.012315
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.023312	0.012491	0.009626	0.005730
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.430746	0.283310	0.201650	0.096677
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.507180	0.000000	0.000000	0.000000
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC				
2275070000	Aircraft	Auxiliary Power Units	Other	VOC				
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.000000	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	787.909249	622.595528	493.726498	344.805012
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	276.426166	208.705818	138.188655	93.690785
2282010005	Pleasure Craft	Inboard/Stern Drive	4 Stroke	VOC	51.846015	44.556550	43.702944	42.285019
2282020005	Pleasure Craft	Inboard/Stern Drive	Diesel	VOC	1.381329	1.229839	1.276325	1.262267
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.034703	0.027977	0.023293	0.013783
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC				
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC				
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.009277	0.000000	0.000000	0.000000
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.003089	0.000000	0.000000	0.000000
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000032	0.000000	0.000000	0.000000
<b>Wayne County Total Annual VOC Emissions</b>					<b>1884.022305</b>	<b>2645.763554</b>	<b>2665.273793</b>	<b>1834.192893</b>

**Appendix D2: Wayne County Annual Nonroad Emissions by SCC**  
Tons per Year

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	71.040001	511.427950	645.362000	688.421690
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	195.429306	406.802908	431.042661	354.519908
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	70.042908	599.671750	914.091800	1048.453700
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	45.222537	288.059999	312.858874	335.526245
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	3.605088	5.114994	4.277311	4.359004
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.173773	0.201278	0.159521	0.163447
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.208556	0.239673	0.192428	0.197163
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.001525	0.001720	0.001479	0.001515
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	9.526483	12.872882	11.080544	11.353178
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.040656	0.045890	0.039264	0.040230
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.352872	0.027717	0.016875	0.005982
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.028114	0.002208	0.001344	0.000477
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	1.407804	0.733235	0.547924	0.583213
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	9.155121	1.631233	1.214756	1.369623
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	18.363443	9.605416	7.313601	8.286146
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	134.664760	25.750866	23.774313	27.699659
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	26.491472	13.598465	9.457926	10.623763
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	90.993872	15.707143	13.003590	15.139007
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	16.532864	8.612240	6.410894	7.252342
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	91.762726	16.875128	14.518307	16.869941
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	11.683392	8.804440	9.695437	11.298675
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	25.055819	6.797191	7.481665	8.718836
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.037434	0.006397	0.005188	0.006045
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.765362	0.262064	0.181725	0.205039
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	1.513075	0.752101	0.663005	0.822257
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	10.654490	4.875148	4.356659	5.330777
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.003943	0.001891	0.001866	0.002314
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.061285	0.029415	0.028922	0.035862
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	7.092562	5.538869	5.461143	6.916341
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	30.599640	220.565510	264.384220	250.002090
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	275.842930	2069.349100	2807.445800	3281.537100
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	684.359010	356.619050	375.506990	400.339290
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	38.556749	240.054036	244.225012	258.360115
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	3.124736	4.603009	4.617361	4.572737
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.024713	0.036317	0.038525	0.039595
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	5.770440	8.391309	8.570137	8.757544
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	5.856429	8.606305	8.561049	8.571776
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	11.298180	16.496473	17.122078	17.573526
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	5.121117	7.555259	7.735669	7.901195
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.260597	0.382649	0.389378	0.398970
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	9.577276	14.043092	13.986212	13.820879
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	2.821647	4.062045	4.027149	3.995326
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	23.651154	34.832969	35.175314	35.826530
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	9.892439	14.126765	14.567129	15.107023
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	0.395893	0.561687	0.482224	0.308501
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	1.388819	2.050298	2.092129	2.111358
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	0.516773	0.709055	0.489237	0.144610
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	1.239022	1.665862	0.934164	0.186619
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	7.447979	11.030570	11.322872	11.532613
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	3.294931	4.763620	4.576832	4.048544
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	1.540336	2.199010	2.265763	2.354735
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	0.434416	0.604915	0.481181	0.223788
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	33.061003	3.341653	2.328808	0.783522
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	74.735504	7.184034	3.337401	0.230147
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	32.126539	3.204938	1.899788	0.583995
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	81.958835	8.348010	5.797590	2.019009
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	2.527535	0.257740	0.180224	0.056754
2265003060	Industrial Equipment	AC/Refrigeration	4 Stroke	CO	1.056184	0.527469	0.386238	0.138199
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	7.760984	0.705270	0.155268	0.015296
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	268.156237	158.950696	173.046265	197.813175
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	315.221911	64.351864	69.183449	80.209617
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	22.587732	13.373337	14.535184	16.585314
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	153.570140	31.309420	34.110847	39.122040
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	1.505943	0.895309	0.973620	1.115180
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	7.828228	1.625402	1.790847	2.079197
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	2.878560	1.711381	1.859515	2.128131
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	313.308971	65.710944	72.091315	80.804872
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	34.323218	25.880335	28.491085	33.209207
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	73.604500	19.969956	21.984518	25.625170
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	63.063926	37.891454	43.289022	50.834299
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	40.566087	8.524515	9.626893	11.221675
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	43.807745	8.874819	9.983312	11.864351
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	17.597419	3.585129	3.909818	4.478950
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	838.503662	504.232335	580.131396	682.246617
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	545.618928	115.310480	130.877732	152.564004
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	72.460737	14.877483	14.999315	15.994530
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	1687.699995	348.474282	378.630534	439.138068
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	27.370047	16.203907	17.743427	20.801208
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	47.714462	9.670983	10.586806	12.404602
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	2.652028	1.150211	1.275142	1.444055
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	5.364200	2.184504	1.775905	1.312160
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.025797	0.010510	0.009447	0.006661

**Appendix D2: Wayne County Annual Nonroad Emissions by SCC**  
Tons per Year

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	2.438338	0.993417	0.893198	0.630334
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	2.062429	0.869388	0.973754	1.114947
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	17.652354	7.324154	7.770415	8.522618
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	43.894801	18.249554	19.457780	21.837639
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	3.862116	1.573487	1.414748	0.998394
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	8.013007	3.309494	3.314994	3.134453
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	7.516682	2.914386	1.597605	0.638141
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	425.521300	262.621813	312.067377	391.275093
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	98.326891	61.274323	70.220021	85.990407
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	48.844100	30.388357	34.262996	40.945697
2265006025	Commercial Equipment	Welders	4 Stroke	CO	122.709647	77.138452	89.092591	107.693348
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	186.363130	116.157241	136.786719	169.689837
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	9.430686	5.942380	6.961004	8.617348
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	15.265564	12.280524	14.592594	19.027200
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.182024	0.149486	0.174015	0.220407
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	94.490721	0.000000	0.000000	0.000000
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.373572	2.339165	2.153577	1.530686
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.075066	0.110598	0.085017	0.023714
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.127649	0.187008	0.118625	0.026776
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.019585	0.029004	0.026027	0.013190
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.012959	0.019074	0.014149	0.003914
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.229709	0.338656	0.265804	0.074063
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.074183	0.110145	0.105467	0.077201
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.223839	0.326057	0.164136	0.041673
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.080093	0.118608	0.106331	0.053452
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.013341	0.019749	0.017532	0.008202
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.145549	0.214938	0.177933	0.053120
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	0.364768	0.537025	0.402710	0.086061
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.038939	0.057167	0.038925	0.007890
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	0.298082	0.440847	0.380981	0.177564
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.119306	0.176783	0.161094	0.089930
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	5.582588	0.659889	0.607781	0.337566
2267003020	Industrial Equipment	Forklifts	LPG	CO	534.785745	62.824138	48.581752	10.961800
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	4.131569	0.482085	0.300641	0.073925
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	1.252738	0.146690	0.102970	0.023330
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.301936	0.035677	0.032600	0.015700
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	2.531077	0.294215	0.157559	0.040369
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	4.269077	0.857969	0.607601	0.129826
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.016246	0.006557	0.005902	0.004057
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.013879	0.005540	0.003561	0.000594
2267006005	Commercial Equipment	Generator Sets	LPG	CO	4.071856	2.609858	2.785444	2.345868
2267006010	Commercial Equipment	Pumps	LPG	CO	0.964450	0.616015	0.605377	0.361304
2267006015	Commercial Equipment	Air Compressors	LPG	CO	1.176042	0.749408	0.694992	0.274443
2267006025	Commercial Equipment	Welders	LPG	CO	2.122250	1.352777	1.242000	0.399320
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.027512	0.017602	0.017713	0.010725
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.018356	0.011665	0.009900	0.003942
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000000	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.004706	0.006974	0.006355	0.003548
2268003020	Industrial Equipment	Forklifts	CNG	CO	39.000229	4.530734	3.457916	0.757840
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.046641	0.005417	0.004110	0.000886
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.030485	0.003538	0.002606	0.000551
2268003060	Industrial Equipment	AC/Refrigeration	CNG	CO	0.046304	0.025659	0.017413	0.004281
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.178252	0.020512	0.010818	0.002682
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.021395	0.007127	0.004031	0.001138
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	1.640108	0.391303	0.045156	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	CO	1.352091	0.828741	0.835944	0.676896
2268006010	Commercial Equipment	Pumps	CNG	CO	0.068498	0.041873	0.039955	0.025776
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.099177	0.060428	0.053202	0.019261
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	5.935040	3.219819	0.409764	0.512058
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	9.718449	0.000000	0.000000	0.000000
2270001060	Recreational Equipment	Specialty Vehicle Carts	Diesel	CO	1.148820	6.943445	6.234185	4.120937
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	0.762408	0.959618	0.808504	0.350320
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.001922	0.002823	0.002945	0.003323
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.030786	0.044230	0.043375	0.046380
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	2.193803	2.842556	2.394643	1.157891
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	1.982344	2.591422	2.174730	1.013497
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.142327	0.187202	0.149677	0.083135
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.107381	0.143801	0.118824	0.067164
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	0.280269	0.378544	0.303777	0.249707
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	1.317051	1.767832	1.487167	0.789961
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	0.791159	1.086936	0.948928	0.580866
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	6.085843	7.392823	6.695080	2.076692
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.101849	0.135373	0.112336	0.060038
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.034940	0.049780	0.048334	0.039166
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	1.111057	1.463407	1.199797	0.580010
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	1.433572	1.683602	1.488778	0.520944
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	6.218457	7.467496	5.510476	1.164787
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	0.260210	0.343395	0.289170	0.154070
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	3.275725	4.412717	3.838544	2.079578
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	8.426151	11.072856	9.094506	4.267956



**Appendix D2: Wayne County Annual Nonroad Emissions by SCC**  
Tons per Year

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	10.292636	14.606195	14.012113	9.095701
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	7.210833	9.179241	7.763294	3.217464
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	9.001020	12.823515	12.051291	8.234150
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	1.092564	1.404478	1.076912	0.478303
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.025732	0.037347	0.036731	0.026378
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	1.046781	1.385569	1.121144	0.593134
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	1.482416	0.170359	0.171633	0.129831
2270003020	Industrial Equipment	Forklifts	Diesel	CO	9.002780	1.008414	1.075739	0.186543
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	2.770229	0.275658	0.255114	0.109420
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	3.004614	0.317464	0.269954	0.152027
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.275315	0.030756	0.029552	0.020360
2270003060	Industrial Equipment	AC/Refrigeration	Diesel	CO	6.648754	3.321818	3.302919	1.713358
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	3.807245	0.389160	0.403847	0.090286
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000477	0.000098	0.000107	0.000110
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.061565	0.015776	0.014592	0.009296
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	3.015645	0.585818	0.536913	0.434664
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	0.658966	0.126627	0.112003	0.114775
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	3.214511	0.634484	0.628496	0.452881
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.339052	0.059265	0.055121	0.030480
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.010759	0.002165	0.002240	0.001968
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.003588	0.001456	0.001348	0.001153
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	96.172997	35.997048	29.562920	16.115303
2270005020	Agricultural Equipment	Combines	Diesel	CO	5.990228	2.391561	2.274965	1.491781
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.049994	0.020211	0.019679	0.014416
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.011487	0.004640	0.004562	0.003279
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.674629	0.263404	0.235153	0.147290
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.001301	0.000502	0.000429	0.000260
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.576282	0.241690	0.259956	0.208115
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	1.910401	0.729577	0.611278	0.345268
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.855955	0.330889	0.292044	0.170745
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	3.563563	2.041056	1.951894	1.430473
2270006010	Commercial Equipment	Pumps	Diesel	CO	0.828713	0.476575	0.462786	0.354307
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	1.890493	1.063246	1.006537	0.625882
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	2.805369	1.618143	1.515489	0.975244
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.107306	0.061219	0.058199	0.044170
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.085418	0.047522	0.044067	0.028491
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	2.037937	1.258101	1.035368	0.197561
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	2.094118	0.000000	0.000000	0.000000
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO				
2275070000	Aircraft	Auxiliary Power Units	Other	CO				
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.000000	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	1543.346614	1254.282196	1104.504888	957.544540
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	558.512595	459.342034	430.761621	427.570499
2282010005	Pleasure Craft	Inboard/Stern Drive	4 Stroke	CO	764.332466	631.947885	582.679556	494.672619
2282020005	Pleasure Craft	Inboard/Stern Drive	Diesel	CO	5.840082	5.213176	5.890203	7.096999
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.100241	0.082886	0.074927	0.056437
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO				
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO				
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.039494	0.000000	0.000000	0.000000
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.109727	0.000000	0.000000	0.000000
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.000472	0.000000	0.000000	0.000000

**Wayne County Total Annual CO Emissions**

**11582.370086 9626.481973 10900.780690 11611.912217**

**Appendix D2: Wayne County Annual Nonroad Emissions by Category**  
**Tons per Year**

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2004	2009	2018
Recreational	Diesel	VOC	0.308716	1.858715	1.632859	1.061536
Recreational	Gasoline	VOC	276.629526	1602.365677	1867.095347	1240.336348
Recreational	CNG	VOC	0.308716	1.858715	1.632859	1.061536
Recreational	LPG	VOC	0.025298	0.154506	0.132428	0.086434
Construction	Diesel	VOC	13.057113	17.380506	13.997237	8.772344
Construction	Gasoline	VOC	7.850063	9.837805	5.560456	5.281684
Construction	CNG	VOC	0.000019	0.000027	0.000022	0.000010
Construction	LPG	VOC	0.123194	0.169542	0.104037	0.029907
Industrial	Diesel	VOC	6.755873	1.274151	0.967169	0.537682
Industrial	Gasoline	VOC	10.878035	0.891811	0.367365	0.081872
Industrial	CNG	VOC	0.194690	0.016996	0.009728	0.001407
Industrial	LPG	VOC	37.071163	4.047932	2.338568	0.344369
Lawn and Garden	Diesel	VOC	2.082517	0.393782	0.330679	0.239965
Lawn and Garden	Gasoline	VOC	342.253487	96.887846	70.519794	71.488207
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	0.288190	0.053426	0.027122	0.003733
Farm	Diesel	VOC	22.209178	8.154680	6.305949	3.779942
Farm	Gasoline	VOC	4.007093	1.559127	1.275759	1.034810
Farm	CNG	VOC	0.006518	0.001555	0.000190	0.000004
Farm	LPG	VOC	0.002035	0.000780	0.000519	0.000250
Light Commercial	Diesel	VOC	2.548979	1.426932	1.227576	0.767454
Light Commercial	Gasoline	VOC	35.961296	19.295606	14.638123	16.433512
Light Commercial	CNG	VOC	0.029861	0.009108	0.004316	0.003399
Light Commercial	LPG	VOC	0.619670	0.371570	0.309179	0.165692
Logging	Diesel	VOC	0.430746	0.283310	0.201650	0.096677
Logging	Gasoline	VOC	3.072183	2.202356	1.299773	1.578302
Logging	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
Airport Service	Gasoline	VOC	0.000000	0.000000	0.000000	0.000000
Airport Service	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	VOC	0.009277	0.000000	0.000000	0.000000
Railway Maintenance	Gasoline	VOC	0.003089	0.000000	0.000000	0.000000
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000032	0.000000	0.000000	0.000000
Recreational Marine Vessels	Diesel	VOC	1.416032	1.257816	1.299617	1.276050
Recreational Marine Vessels	Gasoline	VOC	1116.181430	875.857896	675.618096	480.780817
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000	0.000000
Aircraft	Other	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
<b>Wayne County VOC Totals</b>			<b>1884.324018</b>	<b>2647.612175</b>	<b>2666.896419</b>	<b>1835.243943</b>

**Appendix D2: Wayne County Annual Nonroad Emissions by Category**  
**Tons per Year**

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2004	2009	2018
Recreational	Diesel	NOx	0.965567	6.061508	6.003612	4.901470
Recreational	Gasoline	NOx	8.311474	31.471899	39.438672	45.731145
Recreational	CNG	NOx	0.965567	6.061508	6.003612	4.901470
Recreational	LPG	NOx	0.093374	0.569049	0.481964	0.312932
Construction	Diesel	NOx	112.992992	156.683092	136.044657	70.678154
Construction	Gasoline	NOx	0.987718	1.302969	0.949097	0.753971
Construction	CNG	NOx	0.001181	0.001676	0.001334	0.000621
Construction	LPG	NOx	0.451799	0.617088	0.372889	0.129558
Industrial	Diesel	NOx	64.420159	11.820268	10.761683	7.097345
Industrial	Gasoline	NOx	7.846481	0.690347	0.306238	0.046956
Industrial	CNG	NOx	12.010373	1.047076	0.583399	0.136716
Industrial	LPG	NOx	135.960532	14.712104	8.282574	1.972262
Lawn and Garden	Diesel	NOx	13.930925	2.843242	2.936301	2.586773
Lawn and Garden	Gasoline	NOx	37.721244	10.599569	9.020029	9.339158
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	1.053671	0.193510	0.096012	0.022669
Farm	Diesel	NOx	182.530297	71.866920	64.645986	41.399490
Farm	Gasoline	NOx	1.768204	0.705022	0.555341	0.409501
Farm	CNG	NOx	0.386885	0.090815	0.010940	0.000254
Farm	LPG	NOx	0.007451	0.002840	0.001864	0.000946
Light Commercial	Diesel	NOx	14.564020	8.599614	8.603596	6.796984
Light Commercial	Gasoline	NOx	7.244705	4.133463	3.634645	3.952408
Light Commercial	CNG	NOx	1.888320	0.597330	0.366514	0.294898
Light Commercial	LPG	NOx	2.861199	1.710861	1.417268	0.818006
Logging	Diesel	NOx	5.923598	3.957054	2.648794	0.554805
Logging	Gasoline	NOx	0.131935	0.106231	0.104415	0.119353
Logging	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
Airport Service	Gasoline	NOx	0.000000	0.000000	0.000000	0.000000
Airport Service	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	NOx	0.047824	0.000000	0.000000	0.000000
Railway Maintenance	Gasoline	NOx	0.000905	0.000000	0.000000	0.000000
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.000118	0.000000	0.000000	0.000000
Recreational Marine Vessels	Diesel	NOx	37.060838	33.118985	35.320354	37.266655
Recreational Marine Vessels	Gasoline	NOx	49.658130	46.698627	59.166681	76.350697
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000	0.000000
Aircraft	Other	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
<b>Wayne County NOx Totals</b>			<b>701.787487</b>	<b>416.262667</b>	<b>397.758470</b>	<b>316.575198</b>

**Appendix D2: Wayne County Annual Nonroad Emissions by Category**  
**Tons per Year**

Equipment Type	Fuel	Pollutant	Tons/Summer Day			
			2002	2004	2009	2018
Recreational	Diesel	CO	1.148820	6.943445	6.234185	4.120937
Recreational	Gasoline	CO	1411.093081	4692.550303	5994.917357	6617.160138
Recreational	CNG	CO	1.148820	6.943445	6.234185	4.120937
Recreational	LPG	CO	0.373572	2.339165	2.153577	1.530686
Construction	Diesel	CO	63.226821	83.462758	72.771075	36.930615
Construction	Gasoline	CO	107.212978	155.195557	153.184947	153.572408
Construction	CNG	CO	0.004706	0.006974	0.006355	0.003548
Construction	LPG	CO	1.823070	2.685660	2.064730	0.736751
Industrial	Diesel	CO	29.085471	5.513629	5.508759	2.401826
Industrial	Gasoline	CO	328.098292	23.599041	14.103537	3.833381
Industrial	CNG	CO	49.020359	4.585861	3.492862	0.766240
Industrial	LPG	CO	548.585652	64.442694	49.783303	11.452689
Lawn and Garden	Diesel	CO	7.300973	1.424233	1.349472	1.044174
Lawn and Garden	Gasoline	CO	5003.537154	1559.549785	1711.268497	1988.087458
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	4.269077	0.857969	0.607601	0.129826
Farm	Diesel	CO	106.246862	39.980978	33.262335	18.497609
Farm	Gasoline	CO	94.247114	38.841169	38.664713	39.844442
Farm	CNG	CO	1.661503	0.398430	0.049187	0.001138
Farm	LPG	CO	0.030125	0.012097	0.009463	0.004650
Light Commercial	Diesel	CO	9.280863	5.307761	5.038971	3.458568
Light Commercial	Gasoline	CO	903.428547	559.181121	654.441160	810.402940
Light Commercial	CNG	CO	7.454805	4.150861	1.338864	1.233991
Light Commercial	LPG	CO	8.380465	5.357324	5.355426	3.395601
Logging	Diesel	CO	2.037937	1.258101	1.035368	0.197561
Logging	Gasoline	CO	22.540149	17.968880	20.227751	26.163948
Logging	CNG	CO	0.000000	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.000000	0.000000	0.000000	0.000000
Airport Service	Gasoline	CO	0.000000	0.000000	0.000000	0.000000
Airport Service	CNG	CO	0.000000	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	CO	0.039494	0.000000	0.000000	0.000000
Railway Maintenance	Gasoline	CO	0.109727	0.000000	0.000000	0.000000
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.000472	0.000000	0.000000	0.000000
Recreational Marine Vessels	Diesel	CO	5.940323	5.296062	5.965130	7.153436
Recreational Marine Vessels	Gasoline	CO	2866.191674	2345.572114	2117.946065	1879.787658
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000	0.000000
Aircraft	Other	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000	0.000000
Railroads	Diesel	CO	0.000000	0.000000	0.000000	0.000000
<b>Wayne County CO Totals</b>			<b>11583.518905</b>	<b>9633.425418</b>	<b>10907.014875</b>	<b>11616.033153</b>

**Appendix D2: Wayne County Daily Nonroad Emissions by Category  
Tons per Day**

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2004	2009	2018
Recreational	Diesel	VOC	0.006586	0.006395	0.005618	0.003652
Recreational	Gasoline	VOC	4.129000	5.134097	6.064591	4.028367
Recreational	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Recreational	LPG	VOC	0.000540	0.000532	0.000456	0.000297
Construction	Diesel	VOC	0.068898	0.063974	0.051521	0.032289
Construction	Gasoline	VOC	0.041862	0.036634	0.021063	0.020080
Construction	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Construction	LPG	VOC	0.000650	0.000624	0.000383	0.000110
Industrial	Diesel	VOC	0.004108	0.003639	0.002772	0.001546
Industrial	Gasoline	VOC	0.003311	0.002778	0.001168	0.000264
Industrial	CNG	VOC	0.000055	0.000053	0.000030	0.000004
Industrial	LPG	VOC	0.013067	0.012695	0.007334	0.001080
Lawn and Garden	Diesel	VOC	0.001948	0.001875	0.001573	0.001141
Lawn and Garden	Gasoline	VOC	0.403549	0.368749	0.271201	0.278132
Lawn and Garden	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Lawn and Garden	LPG	VOC	0.000272	0.000257	0.000130	0.000018
Farm	Diesel	VOC	0.045108	0.040858	0.031595	0.018939
Farm	Gasoline	VOC	0.008295	0.007919	0.006548	0.005379
Farm	CNG	VOC	0.000013	0.000008	0.000001	0.000000
Farm	LPG	VOC	0.000004	0.000004	0.000003	0.000001
Light Commercial	Diesel	VOC	0.004608	0.004475	0.003850	0.002407
Light Commercial	Gasoline	VOC	0.069096	0.064724	0.051694	0.058878
Light Commercial	CNG	VOC	0.000054	0.000029	0.000014	0.000011
Light Commercial	LPG	VOC	0.001120	0.001165	0.000970	0.000520
Logging	Diesel	VOC	0.001021	0.000889	0.000632	0.000303
Logging	Gasoline	VOC	0.007426	0.007063	0.004272	0.005207
Logging	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Logging	LPG	VOC	0.000000	0.000000	0.000000	0.000000
Airport Service	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
Airport Service	Gasoline	VOC	0.000000	0.000000	0.000000	0.000000
Airport Service	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Airport Service	LPG	VOC	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Gasoline	VOC	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	LPG	VOC	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	Diesel	VOC	0.003087	0.003241	0.003349	0.003288
Recreational Marine Vessels	Gasoline	VOC	2.793579	2.613694	2.111465	1.634465
Recreational Marine Vessels	CNG	VOC	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	VOC	0.000000	0.000000	0.000000	0.000000
Aircraft	Other	VOC	0.003257	0.003257	0.003257	0.003257
Marine Vessels	Coal	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	VOC	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Other	VOC	0.000000	0.000000	0.000000	0.000000
Railroads	Diesel	VOC	0.000090	0.000093	0.000088	0.000089
<b>Wayne County VOC Totals</b>			<b>7.610606</b>	<b>8.379722</b>	<b>8.645579</b>	<b>6.099724</b>

**Appendix D2: Wayne County Daily Nonroad Emissions by Category  
Tons per Day**

Tons/Summer Day

Equipment Type	Fuel	Pollutant	2002	2004	2009	2018
Recreational	Diesel	NOx	0.020598	0.020856	0.020657	0.016865
Recreational	Gasoline	NOx	0.077028	0.089324	0.110713	0.120852
Recreational	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Recreational	LPG	NOx	0.001992	0.001958	0.001658	0.001077
Construction	Diesel	NOx	0.596228	0.576721	0.500755	0.260153
Construction	Gasoline	NOx	0.004371	0.004022	0.002925	0.002330
Construction	CNG	NOx	0.000006	0.000006	0.000005	0.000002
Construction	LPG	NOx	0.002384	0.002271	0.001373	0.000477
Industrial	Diesel	NOx	0.034585	0.033998	0.030823	0.019850
Industrial	Gasoline	NOx	0.002145	0.001794	0.000796	0.000122
Industrial	CNG	NOx	0.003440	0.003281	0.001829	0.000428
Industrial	LPG	NOx	0.047924	0.046140	0.025976	0.006185
Lawn and Garden	Diesel	NOx	0.012976	0.013470	0.013913	0.012282
Lawn and Garden	Gasoline	NOx	0.036259	0.034819	0.029138	0.030080
Lawn and Garden	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Lawn and Garden	LPG	NOx	0.000993	0.000931	0.000462	0.000109
Farm	Diesel	NOx	0.370732	0.360081	0.323901	0.207427
Farm	Gasoline	NOx	0.002978	0.002930	0.002308	0.001702
Farm	CNG	NOx	0.000786	0.000455	0.000055	0.000001
Farm	LPG	NOx	0.000015	0.000014	0.000009	0.000005
Light Commercial	Diesel	NOx	0.026331	0.026970	0.026983	0.021317
Light Commercial	Gasoline	NOx	0.010866	0.010758	0.009466	0.010295
Light Commercial	CNG	NOx	0.003414	0.001873	0.001149	0.000925
Light Commercial	LPG	NOx	0.005173	0.005366	0.004445	0.002565
Logging	Diesel	NOx	0.014038	0.012410	0.008307	0.001740
Logging	Gasoline	NOx	0.000271	0.000288	0.000279	0.000320
Logging	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Logging	LPG	NOx	0.000000	0.000000	0.000000	0.000000
Airport Service	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
Airport Service	Gasoline	NOx	0.000000	0.000000	0.000000	0.000000
Airport Service	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Airport Service	LPG	NOx	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Gasoline	NOx	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	LPG	NOx	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	Diesel	NOx	0.080805	0.085340	0.091012	0.096028
Recreational Marine Vessels	Gasoline	NOx	0.095758	0.107143	0.137389	0.178407
Recreational Marine Vessels	CNG	NOx	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	NOx	0.000000	0.000000	0.000000	0.000000
Aircraft	Other	NOx	0.001263	0.001263	0.001263	0.001263
Marine Vessels	Coal	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	NOx	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Other	NOx	0.000000	0.000000	0.000000	0.000000
Railroads	Diesel	NOx	0.002079	0.001881	0.001571	0.001362
<b>Wayne County NOx Totals</b>			<b>1.455438</b>	<b>1.446365</b>	<b>1.349159</b>	<b>0.994170</b>

**Appendix D2: Wayne County Daily Nonroad Emissions by Category  
Tons per Day**

Equipment Type	Fuel	Pollutant	Tons/Summer Day			
			2002	2004	2009	2018
Recreational	Diesel	CO	0.024507	0.023890	0.021450	0.014179
Recreational	Gasoline	CO	12.799084	15.080766	19.571784	22.033863
Recreational	CNG	CO	0.000000	0.000000	0.000000	0.000000
Recreational	LPG	CO	0.007969	0.008048	0.007410	0.005267
Construction	Diesel	CO	0.333628	0.307211	0.267857	0.135935
Construction	Gasoline	CO	0.582384	0.588205	0.580893	0.582323
Construction	CNG	CO	0.000025	0.000026	0.000023	0.000013
Construction	LPG	CO	0.009620	0.009885	0.007600	0.002712
Industrial	Diesel	CO	0.016784	0.015804	0.015797	0.006765
Industrial	Gasoline	CO	0.086308	0.076258	0.045541	0.012363
Industrial	CNG	CO	0.013904	0.014371	0.010947	0.002401
Industrial	LPG	CO	0.193369	0.202105	0.156130	0.035918
Lawn and Garden	Diesel	CO	0.006821	0.006775	0.006421	0.004978
Lawn and Garden	Gasoline	CO	5.945942	6.213469	6.809662	7.903145
Lawn and Garden	CNG	CO	0.000000	0.000000	0.000000	0.000000
Lawn and Garden	LPG	CO	0.004022	0.004127	0.002923	0.000624
Farm	Diesel	CO	0.215795	0.200320	0.166657	0.092680
Farm	Gasoline	CO	0.197822	0.201124	0.200223	0.206330
Farm	CNG	CO	0.003375	0.001996	0.000246	0.000006
Farm	LPG	CO	0.000061	0.000061	0.000047	0.000023
Light Commercial	Diesel	CO	0.016779	0.016646	0.015803	0.010847
Light Commercial	Gasoline	CO	1.687634	1.812209	2.121097	2.626588
Light Commercial	CNG	CO	0.013478	0.013018	0.004199	0.003870
Light Commercial	LPG	CO	0.015151	0.016802	0.016796	0.010649
Logging	Diesel	CO	0.004830	0.003946	0.003247	0.000620
Logging	Gasoline	CO	0.054650	0.057668	0.064999	0.084090
Logging	CNG	CO	0.000000	0.000000	0.000000	0.000000
Logging	LPG	CO	0.000000	0.000000	0.000000	0.000000
Airport Service	Diesel	CO	0.000000	0.000000	0.000000	0.000000
Airport Service	Gasoline	CO	0.000000	0.000000	0.000000	0.000000
Airport Service	CNG	CO	0.000000	0.000000	0.000000	0.000000
Airport Service	LPG	CO	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Diesel	CO	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	Gasoline	CO	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	CNG	CO	0.000000	0.000000	0.000000	0.000000
Railway Maintenance	LPG	CO	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	Diesel	CO	0.012952	0.013647	0.015371	0.018433
Recreational Marine Vessels	Gasoline	CO	6.305447	6.098878	5.508061	4.886739
Recreational Marine Vessels	CNG	CO	0.000000	0.000000	0.000000	0.000000
Recreational Marine Vessels	LPG	CO	0.000000	0.000000	0.000000	0.000000
Aircraft	Other	CO	0.170262	0.170262	0.170262	0.170262
Marine Vessels	Coal	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Diesel	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Residual Oil	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Gasoline	CO	0.000000	0.000000	0.000000	0.000000
Marine Vessels	Other	CO	0.000000	0.000000	0.000000	0.000000
Railroads	Diesel	CO	0.000229	0.000236	0.000256	0.000295
<b>Wayne County CO Totals</b>			<b>28.722830</b>	<b>31.157752</b>	<b>35.791701</b>	<b>38.851915</b>

**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
**Tons per Day**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.003831	0.004458	0.007292	0.011810
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.003874	0.005331	0.010120	0.017145
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.005731	0.005371	0.004376	0.004509
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.000084	0.000080	0.000044	0.000044
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.000001	0.000002	0.000003	0.000003
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.000001	0.000003	0.000003	0.000004
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.000200	0.000182	0.000112	0.000115
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000000	0.000001	0.000001	0.000001
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000003	0.000004	0.000008	0.000010
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.000011	0.000015	0.000029	0.000034
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.000027	0.000038	0.000074	0.000088
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	0.000303	0.000298	0.000204	0.000238
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.000065	0.000090	0.000165	0.000197
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.000145	0.000207	0.000287	0.000333
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.000039	0.000055	0.000105	0.000126
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.000231	0.000272	0.000267	0.000309
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000002	0.000003	0.000005	0.000006
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.000004	0.000006	0.000010	0.000013
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.000029	0.000049	0.000070	0.000087
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.000000	0.000000	0.000000	0.000001
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000071	0.000068	0.000045	0.000057
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.005298	0.006164	0.007839	0.008670
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	0.047830	0.058006	0.071304	0.068823
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	0.005544	0.004934	0.004700	0.005011
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.004919	0.005061	0.005081	0.004882
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.000150	0.000134	0.000097	0.000074
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000001	0.000001	0.000001	0.000001
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.000178	0.000170	0.000119	0.000111
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.000257	0.000226	0.000155	0.000129
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.000374	0.000349	0.000269	0.000256
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.000155	0.000138	0.000110	0.000109
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.000007	0.000007	0.000005	0.000005
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.000452	0.000410	0.000288	0.000213
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.000142	0.000140	0.000105	0.000078
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.000769	0.000672	0.000518	0.000500
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.000290	0.000299	0.000252	0.000220
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.000074	0.000071	0.000053	0.000022
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.000050	0.000045	0.000036	0.000032
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.000128	0.000121	0.000077	0.000020
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.000317	0.000292	0.000152	0.000033
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.000241	0.000210	0.000174	0.000168
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.000338	0.000317	0.000227	0.000121
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.000048	0.000049	0.000042	0.000038
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.000111	0.000106	0.000081	0.000035
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	0.000299	0.000259	0.000158	0.000048
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	0.001263	0.001063	0.000463	0.000035
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	0.000225	0.000180	0.000063	0.000011
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	0.000199	0.000165	0.000076	0.000022
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.000020	0.000017	0.000010	0.000002
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.000009	0.000007	0.000004	0.000001
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	0.000130	0.000102	0.000021	0.000003
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	0.002839	0.003053	0.002761	0.002051
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	0.001615	0.001683	0.001100	0.001115
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.000241	0.000259	0.000233	0.000172
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.000814	0.000863	0.000729	0.000574
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.000016	0.000017	0.000014	0.000011
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.000042	0.000040	0.000032	0.000034
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.000031	0.000033	0.000028	0.000022
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	0.002764	0.002539	0.002071	0.001725
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	0.000740	0.000721	0.000639	0.000715
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.000224	0.000200	0.000187	0.000218
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.000236	0.000247	0.000237	0.000249
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.000093	0.000099	0.000086	0.000066
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	0.010173	0.009877	0.008607	0.009596
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	0.003129	0.002754	0.002547	0.002964
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stamp Grinders	4 Stroke	NOx	0.001000	0.000924	0.000581	0.000377
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	0.010957	0.009970	0.007597	0.008366



**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
**Tons per Day**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.000279	0.000300	0.000294	0.000262
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.000243	0.000261	0.000256	0.000227
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000031	0.000027	0.000025	0.000029
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.000347	0.000325	0.000190	0.000065
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000003	0.000003	0.000002	0.000002
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000247	0.000246	0.000214	0.000146
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000025	0.000025	0.000022	0.000024
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.000401	0.000409	0.000365	0.000295
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.000385	0.000408	0.000454	0.000533
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.000391	0.000389	0.000339	0.000231
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.000467	0.000466	0.000407	0.000292
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.000680	0.000629	0.000285	0.000082
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	0.004608	0.004675	0.004368	0.005054
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	0.001395	0.001364	0.001088	0.001099
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	0.000961	0.000930	0.000704	0.000552
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	0.001735	0.001636	0.001452	0.001411
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	0.002033	0.002002	0.001686	0.001976
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.000101	0.000095	0.000086	0.000103
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.000198	0.000217	0.000233	0.000261
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000002	0.000002	0.000002	0.000002
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.001992	0.001958	0.001658	0.001077
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.000098	0.000094	0.000055	0.000015
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.000165	0.000152	0.000065	0.000018
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.000026	0.000026	0.000020	0.000008
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.000017	0.000016	0.000009	0.000002
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.000301	0.000288	0.000174	0.000047
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.000099	0.000099	0.000086	0.000057
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.000287	0.000253	0.000077	0.000029
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.000106	0.000104	0.000081	0.000032
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.000018	0.000017	0.000013	0.000005
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.000191	0.000185	0.000123	0.000033
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.000476	0.000451	0.000246	0.000054
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.000051	0.000047	0.000022	0.000005
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.000393	0.000384	0.000278	0.000113
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.000158	0.000156	0.000124	0.000057
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	0.000496	0.000496	0.000392	0.000191
2267003020	Industrial Equipment	Forklifts	LPG	NOx	0.046719	0.044990	0.025327	0.005908
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	0.000357	0.000329	0.000132	0.000042
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.000109	0.000103	0.000050	0.000013
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.000027	0.000027	0.000021	0.000008
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	0.000218	0.000196	0.000055	0.000024
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	0.000993	0.000931	0.000462	0.000109
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000008	0.000008	0.000007	0.000004
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000007	0.000006	0.000003	0.000001
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	0.002762	0.002905	0.002665	0.001923
2267006010	Commercial Equipment	Pumps	LPG	NOx	0.000643	0.000661	0.000514	0.000257
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	0.000776	0.000784	0.000536	0.000165
2267006025	Commercial Equipment	Welders	LPG	NOx	0.000967	0.000990	0.000711	0.000212
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.000013	0.000013	0.000011	0.000006
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.000012	0.000012	0.000007	0.000002
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000000	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.000006	0.000006	0.000005	0.000002
2268003020	Industrial Equipment	Forklifts	CNG	NOx	0.003401	0.003246	0.001814	0.000424
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.000004	0.000004	0.000002	0.000000
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.000003	0.000003	0.000001	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.000016	0.000015	0.000007	0.000002
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.000015	0.000014	0.000004	0.000002
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000010	0.000008	0.000005	0.000001
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.000776	0.000447	0.000050	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	0.000905	0.000923	0.000823	0.000585
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.000045	0.000046	0.000036	0.000020
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.000065	0.000064	0.000043	0.000012
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	0.002398	0.000842	0.000247	0.000308
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.000000	0.000000	0.000000	0.000000
2270001060	Recreational Equipment	Specialty Vehicle Carts	Diesel	NOx	0.020598	0.020856	0.020657	0.016865
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	0.007926	0.007563	0.006456	0.002957
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.000017	0.000017	0.000015	0.000012
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.000272	0.000264	0.000229	0.000205
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	0.019666	0.018990	0.016673	0.008413
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	0.022769	0.021882	0.018200	0.007971
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	0.001253	0.001212	0.001050	0.000597
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.000845	0.000830	0.000760	0.000519
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	0.002375	0.002319	0.002109	0.001975
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	0.009148	0.009043	0.008413	0.005868

**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
Tons per Day

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	0.010861	0.010765	0.009945	0.006995
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	0.078608	0.074048	0.060778	0.020835
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.000615	0.000607	0.000578	0.000423
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.000408	0.000407	0.000384	0.000296
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	0.021407	0.020561	0.017244	0.007994
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	0.019973	0.018686	0.015299	0.005191
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	0.074142	0.071740	0.060037	0.029692
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	0.003759	0.003648	0.003160	0.001764
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	0.025127	0.024389	0.022428	0.011657
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	0.096257	0.092961	0.080172	0.040507
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	0.058481	0.057872	0.054184	0.035852
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	0.084580	0.080908	0.068235	0.029974
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	0.037496	0.037826	0.037017	0.030220
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	0.010209	0.009990	0.008792	0.005175
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.000121	0.000122	0.000120	0.000098
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	0.009913	0.009650	0.008475	0.004962
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	0.000515	0.000517	0.000499	0.000418
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	0.005439	0.005389	0.004615	0.001726
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	0.002883	0.002758	0.002395	0.001005
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	0.003284	0.003179	0.002719	0.001352
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.000152	0.000150	0.000138	0.000097
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	0.018590	0.018434	0.017569	0.014451
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	0.003721	0.003571	0.002888	0.000802
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.000001	0.000001	0.000000	0.000000
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	0.004522	0.004675	0.004856	0.004941
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	0.000998	0.001003	0.000971	0.001069
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	0.006757	0.007088	0.007380	0.005786
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	0.000681	0.000684	0.000687	0.000466
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.000018	0.000019	0.000020	0.000019
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000007	0.000007	0.000005	0.000005
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.322312	0.312441	0.280368	0.178203
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.032679	0.032104	0.029297	0.019936
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000140	0.000142	0.000140	0.000115
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000030	0.000030	0.000028	0.000019
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.002316	0.002327	0.002241	0.001622
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000004	0.000004	0.000004	0.000003
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.002288	0.002268	0.002132	0.001558
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.006733	0.006581	0.005912	0.003860
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.004223	0.004178	0.003774	0.002106
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	0.012027	0.012350	0.012524	0.010488
2270006010	Commercial Equipment	Pumps	Diesel	NOx	0.002863	0.002940	0.002967	0.002444
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	0.007227	0.007341	0.007035	0.004470
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	0.003499	0.003612	0.003736	0.003355
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	0.000402	0.000412	0.000416	0.000351
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	0.000313	0.000316	0.000304	0.000207
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.014038	0.012410	0.008307	0.001740
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2275000000	Aircraft	All Aircraft Types and Operations	Other	NOx	0.001263	0.001263	0.001263	0.001263
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.000000	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	0.027356	0.033005	0.048425	0.069008
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.007659	0.010121	0.015815	0.020422
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	0.060743	0.064017	0.073150	0.088978
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	0.080502	0.085030	0.090690	0.095686
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.000303	0.000310	0.000323	0.000342
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	0.002079	0.001881	0.001571	0.001366
2285002010	Railroad Equipment	Yard Locomotive	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.000000	0.000000	0.000000	0.000000
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.000000	0.000000	0.000000	0.000000
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000000	0.000000	0.000000	0.000000
<b>Wayne County Total Summer Day NOx Emissions</b>					<b>1.455438</b>	<b>1.446365</b>	<b>1.349159</b>	<b>0.994174</b>

**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
**Tons per Day**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	1.619934	1.881091	2.156073	1.745526
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.028348	0.030950	0.033921	0.025784
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	1.617866	2.233785	2.684549	1.097819
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	0.038898	0.036799	0.032629	0.033673
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	0.007034	0.006736	0.003055	0.003032
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.000428	0.000260	0.000110	0.000113
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.000509	0.000301	0.000130	0.000133
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.000004	0.000002	0.000001	0.000001
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	0.018717	0.015409	0.007487	0.007672
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.000094	0.000050	0.000026	0.000027
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.000054	0.000025	0.000010	0.000003
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.000004	0.000002	0.000001	0.000000
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.001343	0.001176	0.000571	0.000498
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	0.003951	0.003258	0.001100	0.001081
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	0.010925	0.009184	0.003792	0.003950
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	0.029795	0.025591	0.012897	0.015026
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.025729	0.021823	0.009491	0.009976
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	0.037504	0.027346	0.010511	0.012175
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	0.017615	0.015178	0.007565	0.008152
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	0.035975	0.029071	0.012255	0.014023
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	0.003281	0.003419	0.003763	0.004384
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	0.000165	0.000172	0.000190	0.000221
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.000016	0.000011	0.000004	0.000005
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.000744	0.000543	0.000193	0.000215
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	0.001275	0.000847	0.000383	0.000475
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	0.008678	0.005054	0.002704	0.003264
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.000003	0.000002	0.000001	0.000001
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.000048	0.000027	0.000016	0.000019
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.006130	0.005803	0.003105	0.003932
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	0.067231	0.075804	0.090896	0.088084
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	0.692837	0.815300	1.010292	0.984848
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	0.022696	0.023037	0.019422	0.020706
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	0.041191	0.040060	0.036810	0.031926
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.000385	0.000340	0.000259	0.000240
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.000003	0.000003	0.000002	0.000002
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	0.001499	0.001467	0.000922	0.000774
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.000624	0.000543	0.000442	0.000424
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	0.002193	0.002037	0.001425	0.001349
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.000776	0.000718	0.000484	0.000492
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.000054	0.000051	0.000030	0.000031
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	0.001533	0.001424	0.000910	0.000851
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.000928	0.000922	0.000610	0.000484
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	0.002228	0.001932	0.001675	0.001687
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	0.002450	0.002268	0.001847	0.001501
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.000080	0.000075	0.000058	0.000028
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.000205	0.000188	0.000130	0.000128
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.000117	0.000110	0.000071	0.000016
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.000279	0.000258	0.000133	0.000018
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.000759	0.000654	0.000569	0.000573
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.000546	0.000498	0.000379	0.000276
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.000351	0.000324	0.000268	0.000234
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.000103	0.000100	0.000077	0.000033
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	0.000420	0.000354	0.000215	0.000068
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	0.001094	0.000923	0.000401	0.000022
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	0.000347	0.000281	0.000113	0.000029
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	0.001211	0.001049	0.000380	0.000130
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.000030	0.000025	0.000015	0.000004
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.000038	0.000030	0.000018	0.000006
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.000114	0.000090	0.000016	0.000001
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	0.054450	0.054498	0.052479	0.043580
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	0.019471	0.020292	0.011704	0.010980
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.004513	0.004544	0.004336	0.003470
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	0.009294	0.009215	0.007819	0.004949
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.000286	0.000294	0.000272	0.000230
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.000323	0.000324	0.000212	0.000197
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	0.000606	0.000622	0.000581	0.000504
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	0.006495	0.005780	0.004841	0.004923
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	0.006670	0.006951	0.007650	0.008913
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	0.000371	0.000387	0.000426	0.000496
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	0.006200	0.006181	0.006189	0.007090
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	0.000763	0.000678	0.000627	0.000730
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	0.001283	0.001226	0.001102	0.001140
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	0.001146	0.001116	0.000980	0.000629
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	0.069574	0.068272	0.065886	0.075047
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	0.010263	0.008906	0.008020	0.009333
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	0.001564	0.001413	0.001073	0.000970
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	0.037876	0.035879	0.029353	0.030882

**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
**Tons per Day**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.003421	0.003341	0.003123	0.002648
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	0.002682	0.002603	0.002389	0.001931
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000110	0.000095	0.000087	0.000099
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000356	0.000328	0.000205	0.000096
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000003	0.000003	0.000003	0.000002
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000302	0.000305	0.000273	0.000186
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000114	0.000103	0.000086	0.000091
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.001698	0.001653	0.001405	0.001143
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.003249	0.003225	0.003103	0.002771
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000426	0.000428	0.000382	0.000260
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.000642	0.000626	0.000542	0.000433
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.000651	0.000610	0.000270	0.000082
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	0.028774	0.028435	0.025778	0.029306
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	0.007768	0.007938	0.005020	0.005890
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	0.003104	0.003115	0.002164	0.002434
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	0.004947	0.004639	0.004407	0.005070
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	0.014016	0.014196	0.010834	0.011941
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	0.000485	0.000471	0.000387	0.000477
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.001276	0.001239	0.001156	0.001261
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000020	0.000021	0.000011	0.000014
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000000	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.000000	0.000000	0.000000	0.000000
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.000540	0.000532	0.000456	0.000297
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.000027	0.000026	0.000015	0.000003
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.000045	0.000042	0.000018	0.000003
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.000007	0.000007	0.000005	0.000002
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.000005	0.000004	0.000002	0.000001
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.000082	0.000079	0.000049	0.000010
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.000027	0.000027	0.000024	0.000016
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.000079	0.000071	0.000021	0.000004
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.000029	0.000028	0.000022	0.000008
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.000005	0.000005	0.000004	0.000001
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.000052	0.000051	0.000035	0.000007
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.000130	0.000124	0.000070	0.000009
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.000014	0.000013	0.000006	0.000001
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.000106	0.000105	0.000077	0.000029
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.000043	0.000042	0.000034	0.000015
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.000134	0.000134	0.000108	0.000050
2267003020	Industrial Equipment	Forklifts	LPG	VOC	0.012738	0.012379	0.007154	0.001015
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.000098	0.000092	0.000037	0.000007
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.000030	0.000028	0.000014	0.000002
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.000007	0.000007	0.000006	0.000002
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.000060	0.000055	0.000015	0.000004
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.000272	0.000257	0.000130	0.000018
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000002	0.000002	0.000002	0.000001
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000002	0.000002	0.000001	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	0.000561	0.000591	0.000548	0.000396
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.000132	0.000136	0.000107	0.000050
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.000161	0.000163	0.000112	0.000028
2267006025	Commercial Equipment	Welders	LPG	VOC	0.000260	0.000269	0.000198	0.000044
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.000003	0.000004	0.000003	0.000001
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.000003	0.000002	0.000001	0.000000
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000000	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.000055	0.000053	0.000030	0.000004
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000013	0.000008	0.000001	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.000011	0.000011	0.000010	0.000007
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.000001	0.000001	0.000000	0.000000
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.000001	0.000001	0.000001	0.000000
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.000042	0.000016	0.000002	0.000003
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.000000	0.000000	0.000000	0.000000
2270001060	Recreational Equipment	Specialty Vehicle Carts	Diesel	VOC	0.006586	0.006395	0.005618	0.003652
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.000764	0.000688	0.000534	0.000309
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.000003	0.000003	0.000002	0.000002
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.000047	0.000045	0.000035	0.000027
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	0.002167	0.001931	0.001446	0.000832
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	0.001590	0.001419	0.001054	0.000805
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.000140	0.000128	0.000097	0.000059
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.000096	0.000087	0.000066	0.000042
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.000468	0.000423	0.000284	0.000192
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	0.001290	0.001161	0.000840	0.000459

**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
Tons per Day

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.001012	0.000973	0.000838	0.000574
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	0.006273	0.005636	0.004589	0.002869
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.000104	0.000091	0.000062	0.000034
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.000049	0.000048	0.000043	0.000032
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	0.001634	0.001502	0.001177	0.000765
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	0.001562	0.001402	0.001155	0.000728
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	0.005407	0.004671	0.003344	0.002928
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.000333	0.000305	0.000233	0.000141
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	0.003116	0.002880	0.002169	0.001176
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	0.007798	0.007256	0.005731	0.003753
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	0.013461	0.013109	0.011464	0.006548
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	0.006776	0.006084	0.004676	0.003140
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	0.012997	0.012490	0.010449	0.006051
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.000917	0.000814	0.000579	0.000403
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.000040	0.000039	0.000035	0.000022
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.000855	0.000789	0.000620	0.000398
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.000152	0.000150	0.000137	0.000091
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	0.000536	0.000510	0.000391	0.000208
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	0.000277	0.000246	0.000194	0.000111
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	0.000300	0.000283	0.000222	0.000136
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.000028	0.000028	0.000025	0.000016
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	0.002519	0.002141	0.001568	0.000843
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	0.000294	0.000280	0.000236	0.000141
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	0.000891	0.000847	0.000661	0.000449
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.000197	0.000184	0.000137	0.000114
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	0.000764	0.000764	0.000715	0.000537
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.000092	0.000077	0.000058	0.000039
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.000003	0.000003	0.000003	0.000002
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000001	0.000001	0.000001	0.000001
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.040028	0.036001	0.027471	0.016169
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.002915	0.002849	0.002549	0.001817
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000030	0.000028	0.000023	0.000014
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000005	0.000005	0.000004	0.000002
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.000425	0.000396	0.000309	0.000182
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000262	0.000261	0.000243	0.000176
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.000892	0.000819	0.000622	0.000373
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.000549	0.000499	0.000372	0.000204
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	0.001825	0.001785	0.001577	0.001067
2270006010	Commercial Equipment	Pumps	Diesel	VOC	0.000401	0.000395	0.000354	0.000252
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	0.000905	0.000857	0.000681	0.000390
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	0.001377	0.001343	0.001156	0.000641
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.000057	0.000057	0.000052	0.000039
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.000042	0.000039	0.000030	0.000018
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.001021	0.000889	0.000632	0.000303
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2275000000	Aircraft	All Aircraft Types and Operations	Other	VOC	0.003257	0.003257	0.003257	0.003257
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.000000	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	1.979675	1.863684	1.541377	1.175440
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	0.623318	0.558577	0.377653	0.264418
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	0.190585	0.191433	0.192436	0.194607
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.003012	0.003169	0.003289	0.003253
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.000076	0.000072	0.000060	0.000036
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	0.000090	0.000093	0.000088	0.000089
2285002010	Railroad Equipment	Yard Locomotive	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.000000	0.000000	0.000000	0.000000
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.000000	0.000000	0.000000	0.000000
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000000	0.000000	0.000000	0.000000
<b>Wayne County Total Summer Day VOC Emissions</b>					<b>7.610643</b>	<b>8.379759</b>	<b>8.645617</b>	<b>6.099763</b>

**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
**Tons per Day**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	1.515457	1.759679	2.220508	2.368664
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	1.494186	2.063300	3.145131	3.607432
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	0.964707	0.991133	1.076459	1.154451
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	0.019023	0.018827	0.015744	0.016045
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.000917	0.000741	0.000587	0.000602
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.001100	0.000882	0.000708	0.000726
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.000008	0.000006	0.000005	0.000006
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	0.050268	0.047383	0.062547	0.041789
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.000215	0.000169	0.000145	0.000148
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.000124	0.000087	0.000053	0.000019
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.000010	0.000007	0.000004	0.000001
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	0.002690	0.002449	0.001830	0.001948
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	0.008626	0.007846	0.005843	0.006588
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	0.021966	0.020083	0.015291	0.017325
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	0.079417	0.077529	0.071579	0.083397
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	0.050626	0.045422	0.031592	0.035486
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	0.085731	0.075551	0.062547	0.072818
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	0.031595	0.028767	0.021414	0.024225
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	0.086455	0.081169	0.069833	0.081144
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.000035	0.000031	0.000025	0.000029
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.001555	0.001313	0.000911	0.001027
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	0.002736	0.002359	0.002079	0.002579
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	0.019263	0.015289	0.013663	0.016718
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.000007	0.000006	0.000006	0.000007
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.000111	0.000092	0.000091	0.000112
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.016808	0.017371	0.017127	0.021691
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	0.674764	0.784480	0.940329	0.889176
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	6.082719	7.360003	9.985172	11.671361
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	1.217021	1.268378	1.335556	1.423877
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	0.850230	0.853794	0.868629	0.918903
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	0.017044	0.017514	0.017568	0.017399
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.000135	0.000138	0.000147	0.000151
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	0.031475	0.031928	0.032608	0.033321
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	0.031944	0.032746	0.032574	0.032614
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	0.061626	0.062767	0.065147	0.066865
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	0.027933	0.028747	0.029433	0.030063
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.001421	0.001456	0.001482	0.001518
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	0.052239	0.053432	0.053216	0.052587
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	0.015391	0.015456	0.015323	0.015202
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	0.129006	0.132535	0.133837	0.136315
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	0.053958	0.053742	0.055426	0.057480
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	0.002159	0.002137	0.001835	0.001174
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	0.007575	0.007801	0.007960	0.008033
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	0.002819	0.002698	0.001861	0.000550
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	0.006758	0.006338	0.003554	0.000642
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	0.040625	0.041970	0.043082	0.043880
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	0.017972	0.018125	0.017414	0.015404
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	0.008402	0.008367	0.008621	0.008959
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	0.002370	0.002302	0.001831	0.000851
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	0.012046	0.010833	0.007550	0.002540
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	0.027231	0.023290	0.010820	0.000746
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	0.011706	0.010390	0.006159	0.001893
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	0.029863	0.027063	0.018795	0.006545
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	0.000921	0.000836	0.000584	0.000184
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	0.001579	0.001466	0.001073	0.000384
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	0.002828	0.002286	0.000503	0.000050
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	0.529727	0.548830	0.597500	0.683015
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	0.306998	0.319962	0.343985	0.398808
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	0.044621	0.046176	0.050188	0.057266
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	0.149564	0.155673	0.169602	0.194518
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.002975	0.003091	0.003362	0.003851
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	0.007624	0.008082	0.008904	0.010338
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	0.005686	0.005909	0.006421	0.007348
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	0.305135	0.326720	0.358444	0.401768
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	0.124579	0.130833	0.149470	0.175522
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	0.039508	0.042385	0.047866	0.055795
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	0.042665	0.044126	0.049638	0.058990
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	0.017138	0.017826	0.019440	0.022270
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	1.656416	1.741029	2.003096	2.355682
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	0.531385	0.573333	0.650734	0.758560
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	0.070570	0.073972	0.074578	0.079526
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	1.643671	1.732641	1.882580	2.183428

**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
**Tons per Day**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	0.054068	0.055949	0.061265	0.071823
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	0.046470	0.048085	0.052638	0.061677
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.005568	0.005957	0.006604	0.007479
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.011262	0.011314	0.009198	0.006796
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000054	0.000054	0.000049	0.000034
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.005119	0.005145	0.004626	0.003265
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.004330	0.004503	0.005043	0.005775
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.037062	0.037934	0.040245	0.044141
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.092158	0.094519	0.100777	0.113102
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.008109	0.008149	0.007327	0.005171
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.016823	0.017141	0.017169	0.016234
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.015781	0.015094	0.008274	0.003305
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	0.795239	0.851393	1.011690	1.268473
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	0.183759	0.198645	0.227646	0.278772
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	0.091283	0.098516	0.111077	0.132742
2265006025	Commercial Equipment	Welders	4 Stroke	CO	0.229327	0.250075	0.288829	0.349131
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	0.348286	0.376570	0.443448	0.550117
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	0.017625	0.019265	0.022567	0.027937
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.037396	0.039812	0.047308	0.061684
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.000446	0.000485	0.000564	0.000715
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.007969	0.008048	0.007410	0.005267
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.000396	0.000407	0.000313	0.000087
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.000674	0.000688	0.000437	0.000099
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.000103	0.000107	0.000096	0.000049
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.000068	0.000170	0.000052	0.000014
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.001212	0.001247	0.000978	0.000273
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.000391	0.000405	0.000388	0.000284
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.001181	0.001200	0.000604	0.000153
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.000423	0.000437	0.000391	0.000197
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.000070	0.000073	0.000065	0.000030
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.000768	0.000791	0.000655	0.000196
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	0.001925	0.001977	0.001482	0.000317
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.000205	0.000210	0.000143	0.000029
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	0.001573	0.001623	0.001402	0.000654
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.000630	0.000651	0.000593	0.000331
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	0.001968	0.002070	0.001906	0.001059
2267003020	Industrial Equipment	Forklifts	LPG	CO	0.188505	0.197029	0.152362	0.034378
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	0.001456	0.001512	0.000943	0.000232
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	0.000442	0.000460	0.000323	0.000073
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.000106	0.000112	0.000102	0.000049
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	0.000892	0.000923	0.000494	0.000127
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	0.004022	0.004127	0.002923	0.000624
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000033	0.000033	0.000030	0.000020
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000028	0.000028	0.000018	0.000003
2267006005	Commercial Equipment	Generator Sets	LPG	CO	0.007362	0.008185	0.008736	0.007357
2267006010	Commercial Equipment	Pumps	LPG	CO	0.001744	0.001932	0.001899	0.001133
2267006015	Commercial Equipment	Air Compressors	LPG	CO	0.002126	0.002350	0.002180	0.000861
2267006025	Commercial Equipment	Welders	LPG	CO	0.003837	0.004243	0.003895	0.001252
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.000050	0.000055	0.000056	0.000034
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.000033	0.000037	0.000031	0.000012
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000000	0.000000	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.000025	0.000026	0.000023	0.000013
2268003020	Industrial Equipment	Forklifts	CNG	CO	0.013747	0.014209	0.010845	0.002377
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.000016	0.000017	0.000013	0.000003
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.000011	0.000011	0.000008	0.000002
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.000067	0.000069	0.000047	0.000012
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.000063	0.000064	0.000034	0.000008
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000043	0.000036	0.000020	0.000006
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.003331	0.001961	0.000226	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	CO	0.002444	0.002599	0.002622	0.002123
2268006010	Commercial Equipment	Pumps	CNG	CO	0.000124	0.000131	0.000125	0.000081
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.000179	0.000190	0.000167	0.000060
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	0.010730	0.010098	0.001285	0.001606
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	0.000000	0.000000	0.000000	0.000000
2270001060	Recreational Equipment	Specialty Vehicle Carts	Diesel	CO	0.024507	0.023890	0.021450	0.014179
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	0.004023	0.003532	0.002976	0.001289
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.000010	0.000010	0.000011	0.000012
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.000162	0.000163	0.000160	0.000171
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	0.011576	0.010463	0.008814	0.004262
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	0.010460	0.009539	0.008005	0.003730
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.000751	0.000689	0.000551	0.000306
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.000567	0.000529	0.000437	0.000247
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	0.001479	0.001393	0.001118	0.000919
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	0.006950	0.006507	0.005474	0.002908

**Appendix D2: Wayne County Daily Nonroad Emissions by SCC**  
**Tons per Day**

SCC	Classification	Equipment Type	Engine Type	Pollutant Code	2002 Emissions	2004 Emissions	2009 Emissions	2018 Emissions
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	0.004175	0.004001	0.003493	0.002138
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	0.032113	0.027212	0.024643	0.007644
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.000537	0.000498	0.000413	0.000221
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.000184	0.000183	0.000178	0.000144
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	0.005863	0.005387	0.004416	0.002135
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	0.007565	0.006197	0.005480	0.001917
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	0.032813	0.027486	0.020283	0.004287
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	0.001373	0.001264	0.001064	0.000567
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	0.017285	0.016242	0.014129	0.007655
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	0.044462	0.040757	0.033475	0.015710
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	0.054311	0.053763	0.051576	0.033480
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	0.038049	0.033787	0.028575	0.011843
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	0.047496	0.047201	0.044359	0.030308
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	0.005765	0.005170	0.003964	0.001761
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.000136	0.000137	0.000135	0.000097
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	0.005524	0.005100	0.004127	0.002183
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	0.000523	0.000534	0.000538	0.000407
2270003020	Industrial Equipment	Forklifts	Diesel	CO	0.003173	0.003163	0.003374	0.000585
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	0.000976	0.000865	0.000800	0.000343
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	0.001059	0.000996	0.000847	0.000477
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.000097	0.000096	0.000093	0.000064
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	0.009613	0.008930	0.008879	0.004606
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	0.001342	0.001220	0.001267	0.000283
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000000	0.000000	0.000001	0.000001
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	0.002841	0.002818	0.002583	0.002091
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	0.000621	0.000609	0.000539	0.000552
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	0.003029	0.003052	0.003023	0.002178
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.000319	0.000285	0.000265	0.000147
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.000010	0.000010	0.000011	0.000009
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000007	0.000007	0.000007	0.000006
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.195334	0.180359	0.148122	0.080744
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.012167	0.011983	0.011398	0.007474
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000102	0.000101	0.000099	0.000072
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000023	0.000023	0.000023	0.000016
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.001370	0.001320	0.001178	0.000738
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000003	0.000003	0.000002	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.001170	0.001211	0.001302	0.001043
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.003880	0.003655	0.003063	0.001730
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.001739	0.001658	0.001463	0.000855
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	0.006443	0.006401	0.006122	0.004486
2270006010	Commercial Equipment	Pumps	Diesel	CO	0.001498	0.001495	0.001451	0.001111
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	0.003418	0.003335	0.003157	0.001963
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	0.005072	0.005075	0.004753	0.003059
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.000194	0.000192	0.000183	0.000139
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.000154	0.000149	0.000138	0.000089
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.004830	0.003946	0.003247	0.000620
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2275000000	Aircraft	All Aircraft Types and Operations	Other	CO	0.170262	0.170262	0.170262	0.170262
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.000000	0.000000	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	3.365026	3.231996	2.846055	2.467372
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	1.217749	1.183619	1.109974	1.101751
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	1.722672	1.683264	1.552032	1.317616
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.012733	0.013433	0.015178	0.018287
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.000219	0.000214	0.000193	0.000145
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	0.000229	0.000236	0.000256	0.000295
2285002010	Railroad Equipment	Yard Locomotive	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.000000	0.000000	0.000000	0.000000
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.000000	0.000000	0.000000	0.000000
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.000000	0.000000	0.000000	0.000000
<b>Wayne County Total Summer Day CO Emissions</b>					<b>28.722830</b>	<b>31.157752</b>	<b>35.791701</b>	<b>38.851915</b>