APPENDIX F

Nonroad Sources

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APPENDIX F-1

Nonroad Sources Emissions Estimation Methodology

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METHODOLOGY FOR ESTIMATING NONROAD EMISSIONS

I. INTRODUCTION

This following methodology provides a description of the procedures used to generate 2002 and 2009 county-level pollutant emission estimates for nonroad mobile engines included in the United States Environmental Protection Agency's (EPA's) NONROAD2005 Model, as well as locomotive engines and aircraft operations. For the NONROAD2005 Model engines, emission estimates were calculated for volatile organic compounds (VOCs), oxides of nitrogen (NO_x), and carbon monoxide (CO), particulate matter (PM_{10}), fine particulate matter ($PM_{2.5}$), and sulfur dioxide (SO_2). Revised geographic allocation files for NONROAD2005 Model option files and revised housing unit data used for the model runs are also included. The National Mobile Inventory Model (NMIM) was used to develop emissions of ammonia (NH_3) for 2002 and 2009 since the NONROAD2005 Model does not have that capability.

II. 2002 NONROAD MODEL SOURCE CATEGORY EMISSIONS

The Department used EPA's Final NONROAD2005 Model to generate 2002 and 2009 annual emissions for the Philadelphia area, which includes Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties in Pennsylvania. The Department prepared NONROAD2005 model option files that account for temperatures and gasoline Reid vapor pressure (RVP) values representative of the Philadelphia 5-county area for summer weekdays. The Philadelphia 5-county area was treated as its own climactic zone. The average RVP value used for the 5-county area was 6.7. Minimum, maximum, and average temperatures for July for each region were obtained from the Pennsylvania State Climatologist website, Pennsylvania State Climatologist, Penn State University, *2002 Temperature Data by Weather Station* which is available at http://pasc.met.psu.edu/PA_Climatologist/cityform.html. The RVP and temperature inputs were applied to all equipment categories to obtain both summer day and annual emissions.

Table 1 lists the counties included in the Philadelphia area and the weather station where the temperature data were obtained for each of the regions. Table 2a and 2b presents the RVP and temperature data used in the model runs for each region of Pennsylvania. The Department used EPA's Final NONROAD2005 Model and NMIM to generate 2002 and 2009 annual emissions for the 5-county Philadelphia area. The Department prepared NONROAD2005 Model option files that account for average temperatures and gasoline Reid vapor pressure (RVP) values representative of the entire year.

Table 1. Regions of Pennsylvania and Associated Maintenance Areas

Region	Weather Station	Counties in Region	FIPSST	FIPSCNTY
Southeast	Philadelphia	Bucks County	42	017
		Chester County	42	029
		Delaware County	42	045
		Montgomery County	42	091
		Philadelphia County	42	101

Table 2a. Summer Day NONROAD Model Temperature and RVP Inputs

		Temperature*			
Region	**Season**	**Maximum**	**Minimum**	**Average**	**RVP****
Southeast	Summer	87	69	78	6.7

* Temperature in degrees Fahrenheit
** RVP in pounds per square inch (psi)

Table 2b. Annual Average Day NONROAD Model Temperature and RVP Inputs

	Temperature*			
Region	**Maximum**	**Minimum**	**Average**	**RVP****
Southeast	66	49	57	6.7

* Temperature in degrees Fahrenheit

EPA-recommended diesel fuel sulfur levels for marine and land equipment for all years were used as inputs to the model, as outlined in *Diesel Fuel Sulfur Inputs for the Draft NONROAD2004 Model used in the 2004 Nonroad Diesel Engine Fuel Rule,* April 27, 2004.

In past versions of the NONROAD Model, state recreational marine vessels populations were underestimated when compared to boat registrations tracked by the Pennsylvania Fish and Boat Commission (PFBC). EPA's population of recreational marine vessels in the model now seem more representative of the number of boat registrations that the Pennsylvania Fish and Boat Commission tracks. We used EPA's default values in the model runs. We also examined geographic allocation factors for residential lawn and garden equipment. These improvements are discussed further in the next section. All other categories rely on default data included in the model for population and activity estimates.

Residential Lawn and Garden Equipment

The EPA's NONROAD2005 model uses 2003 U.S. Census data of all housing units in Pennsylvania to allocate residential lawn and garden equipment, even though EPA guidance states that emissions should be based only on the number of single detached, single attached, and double housing units. EPA's method in the NONROAD2005 Model alters the allocation of lawn and garden emissions in some Pennsylvania counties significantly. The Department will use data

obtained by E.H. Pechan from the 2000 Census, updated to 2002, and used in the state's 2002 inventory on the number of single detached, single attached, and double housing units for both the state and all counties in the state. Table 3 presents the Census data (Bureau of the Census, 2003), which can be found in *2000 County and State Housing Units by Unit Type, Census 2000,* http://factfinder.census.gov/servlet/. The total number of housing units was incorporated into the NONROAD2005 Model geographic allocation factor file, PA HOUSE.ALO, for use in allocating state-level lawn and garden equipment populations to all Pennsylvania counties for 2002.

Table 3. Number of Single and Double-Family Housing Units from 2002 Census

County	# 1-Unit Detached Housing Units	# 1-Unit Attached Housing Units	# 2-Unit Housing Units	Total # of Housing Units
Adams	24,549	2,206	1,490	28,245
Allegheny	345,479	46,899	29,002	421,380
Armstrong	22,268	824	1,014	24,106
Beaver	54,418	2,312	2,863	59,593
Bedford	14,684	248	501	15,433
Berks	78,946	32,377	5,803	117,126
Blair	36,919	1,844	2,668	41,431
Bradford	16,861	232	1,224	18,317
Bucks	**141,951**	**30,506**	**5,425**	**177,882**
Butler	46,271	2,523	2,215	51,009
Cambria	44,453	3,795	2,882	51,130
Cameron	1,749	35	176	1,960
Carbon	14,431	5,104	990	20,525
Centre	27,786	2,691	1,749	32,226
Chester	**99,549**	**25,911**	**3,155**	**128,615**
Clarion	11,635	118	471	12,224
Clearfield	24,829	412	1,064	26,305
Clinton	10,141	662	711	11,514
Columbia	16,856	1,328	1,388	19,572
Crawford	24,430	397	1,933	26,760
Cumberland	51,934	10,450	2,792	65,176
Dauphin	52,961	20,195	3,848	77,004
Delaware	**93,642**	**64,529**	**9,361**	**167,532**
Elk	11,355	79	807	12,241
Erie	70,504	2,955	9,504	82,963
Fayette	41,679	3,094	2,473	47,246
Forest	1,660	8	18	1,686
Franklin	34,720	4,292	2,073	41,085
Fulton	4,084	56	133	4,273
Greene	10,387	481	416	11,284
Huntingdon	12,463	331	686	13,480
Indiana	23,215	825	1,232	25,272
Jefferson	14,276	237	729	15,242
Juniata	6,455	355	166	6,976
Lackawanna	53,357	3,328	12,626	69,311
Lancaster	98,364	32,122	7,370	137,856
Lawrence	28,316	799	1,489	30,604
Lebanon	27,272	8,647	2,225	38,144
Lehigh	59,753	29,474	5,118	94,345

Table 3. Number of Single and Double-Family Housing Units from 2002 Census

County	# 1-Unit Detached Housing Units	# 1-Unit Attached Housing Units	# 2-Unit Housing Units	Total # of Housing Units
Luzerne	82,363	15,404	9,435	107,202
Lycoming	31,568	2,812	2,998	37,378
McKean	13,794	158	972	14,924
Mercer	34,859	735	1,817	37,411
Mifflin	12,327	1,788	966	15,081
Monroe	40,696	1,726	1,457	43,879
Montgomery	**163,211**	**53,370**	**9,599**	**226,180**
Montour	4,769	645	346	5,760
Northampton	60,344	19,729	4,755	84,828
Northumberland	21,955	9,280	1,657	32,892
Perry	12,209	733	398	13,340
Philadelphia	**48,724**	**359,877**	**46,425**	**455,026**
Pike	15,501	395	299	16,195
Potter	5,263	62	281	5,606
Schuylkill	32,695	17,989	2,092	52,776
Snyder	10,263	644	526	11,433
Somerset	22,159	1,236	1,312	24,707
Sullivan	2,165	18	84	2,267
Susquehanna	12,139	180	711	13,030
Tioga	11,076	150	753	11,979
Union	9,341	652	527	10,520
Venango	17,197	227	1,080	18,504
Warren	13,031	239	930	14,200
Washington	60,711	3,891	3,187	67,789
Wayne	14,311	249	750	15,310
Westmoreland	113,694	4,839	5,997	124,530
Wyoming	7,858	159	412	8,429
York	95,921	20,218	6,102	122,241
Total	**2,724,746**	**860,086**	**235,658**	**3,820,490**

After the model runs, model outputs were processed to develop annual emissions inventories for VOC, NOx, CO, PM_{10}, $PM_{2.5}$, SO_2, and NH_3. Nonroad equipment refueling, either by portable container or at the gasoline pump, is being accounted for under Pennsylvania's area source inventory. As such, spillage and vapor displacement VOC emission estimates were subtracted from the total VOC emission estimates for all NONROAD2005 Model emissions. Therefore, only exhaust, crankcase, and evaporative diurnal components are included in these VOC estimates. Emissions from nonroad equipment were tabulated in both source classification code format.

III. 2002 LOCOMOTIVE EMISSIONS

Much of the locomotive emissions were captured from a 1999 survey conducted by the Department included hydrocarbon (HC) and NO_x for the following locomotive source categories:

2285002006 : Railroad Equipment, Diesel, Line Haul Locomotives: Class I Operations
2285002007: Railroad Equipment, Diesel, Line Haul Locomotives: Class II/III Operations
2285002008: Railroad Equipment, Diesel, Line Haul Locomotives: Passenger Trains (Amtrak)

2285002010: Railroad Equipment, Diesel, Yard Locomotives

All line haul locomotive emissions were grouped into one SCC category in the appendix, 2285002005.

Norfolk Southern and CSX Corporations purchased Conrail. The takeover of Conrail's assets occurred in June 1999. For that reason, it was a very bad time to develop a representative emission inventory for these railroads. Both Conrail and Norfolk Southern suffered major gridlock in Pennsylvania and beyond during 1999. Consequently, fuel consumption and air emissions for these two railroads were greatly reduced in 1999. The Department requested and received 2002 fuel usage from these railroad companies and developed a 2002 emissions inventory for them. Fuel consumption increased 60 percent from 1999 to 2002. Clearly, this was not due to normal economic growth. All other emissions from railroad companies operating in Pennsylvania in 1999 were grown with a growth factor to obtain 2002 emissions.

To estimate 2009 locomotive emissions, the Department projected the 2002 inventory to 2009 using national fuel consumption information supplied to the Department by the Association of American Railroads in combination with emissions factors developed by EPA and presented on the EPA website in the *Emissions Factors for Locomotives*, EPA420-F-97-051, December 1997, Table 9, Fleet Average Emission Factors For All Locomotives. According to the Association of American Railroads, national railroad annual fuel consumption has grown consistently at about 1.6 percent over the last 15 years. We used the following normalized emission growth factors for locomotive emissions. These numbers compare well with the EPA Economic Growth Analysis System (EGAS) 5.0 in the near-term i.e. 2009. EGAS 5.0 may be downloaded from http://www.epa.gov/ttn/ecas/egas5.htm.

In the Regulatory Support Document for locomotive emission standards, national emissions account for future, phased-in controls that will reduce NO_x, PM, and HC emissions as well (EPA, 1997). Relevant emission factors SOx and NH_3 for locomotives do not exist. Emissions of SOx and NH_3 by locomotives were not included in the inventory. Emission reductions, which include rule effectiveness and rule penetration, are estimated based on the percent change in emissions from the base year to a given projection year. Normalized fuel use and emission factors for locomotives are given in Table 4. The Department changed the 2002 locomotive emissions for NO_x, PM, SOx and VOC by the normalized percentages shown in Table 5 which account for changes in emissions.

Table 4. Normalized Growth for Fuel Use and Emission Factors for Locomotives

Year	Normalized Fuel Use Growth	Normalized NOx Emission Factor	Normalized VOC Emission Factor	Normalized CO Emission Factor	Normalized PM Emission Factor
2002	1.0000	1.0000	1.0000	1.0000	1.0000
2009	1.1175	0.6765	0.8785	1.0000	0.8676

Table 5. Normalized Emissions Growth Factors for Locomotive				
Year	NOx Emission Growth (Fuel use growth * emission factor)	HC/VOC Emission Growth (Fuel use growth * emission factor)	CO Emission Growth (Fuel use growth * emission factor)	PM Emission Growth (Fuel use growth * emission factor)
2002	1.0000	1.0000	1.0000	1.0000
2009	0.7560	0.9817	1.1175	0.9696

To estimate VOC emissions from HC, the Department applied a VOC/HC conversion factor of 1.005 to the HC emissions. This conversion factor was obtained from EPA's *Documentation for Aircraft, Commercial Marine Vessel, Locomotive, and Other Nonroad Components of the National Emission Inventory, Volume I: Methodology* (EPA, 2002).

Estimated annual emissions were divided by 365 to obtain a daily emission estimate which was assumed to be a good estimate for emissions during an average summer day.

IV. AIRCRAFT EMISSIONS

Aircraft emissions at Philadelphia International Airport (PHL), the largest airport in the state, were estimated using the most up-to-date information available, which was supplied by the City of Philadelphia. Aircraft related emissions were also estimated for Northeast Philadelphia Airport (PNE) using up-to-date information. The methodology for estimating emissions at PHL and PNE is explained in greater detail in Appendix F2.

Small airport emission estimation methodology. Small aircraft emissions occurring at airports in Bucks, Chester, and Montgomery Counties were calculated by using small airport operation statistics, which can be found at www.airnav.com and the Federal Aviation Administration's (FAA) APO Terminal Area Forecast Detailed Report. Emission factors for a typical general aviation single engine, multi-engine, and jet engine aircraft were derived by averaging the emissions factors from a basket of emission factors for common aircraft of each of the three types of aircraft. Emission factors and operational characteristics contained in EDMS were used for this calculation. The proportion of operations between the three groups of aircraft was determined by examining the number of each aircraft type based at each airport. For military operations at small airports, the type of aircraft and its emission factors are sometimes identifiable. If not, emission factors calculated to represent an "average" military aircraft are used.

Growth at small airports was estimated using estimates of future operations contained in the FAA APO Terminal Area Forecast Detailed Report. The normalized growth in operations was applied directly to 2002 emissions to obtain growth in emissions. Changes in technology, such as a new engine design, which may result in more or less emissions was not taken into account.

Fleet mix may be slightly different in the future and this may also change emissions. This unpredictable effect was not taken into account.

Table 5. Normalized Growth in Aircraft Operations

County (Airport)	2002	2009
Bucks County (Doylestown)	1.0000	1.0377
Chester County (Chester County)	1.0000	1.0377
Montgomery County (Perkiomen)	1.0000	1.0377

Military aircraft. Willow Grove Naval Air Station (NAS) is located in Bucks County. Willow Grove is the source of significant air traffic and air emissions. It was estimated that NOx emissions were emitted at a rate of over one ton per day in 1990. Since the terrorist event at the World Trade Center in 2001, it has become difficult to obtain operations data from the military. The Navy refused to give the Department any operations data that would allow us to determine emissions produced from operations at Willow Grove. Therefore, emissions from Willow Grove are not included in our inventory.

V. COMMERCIAL MARINE VESSELS

Emissions from ship traffic in the Port of Philadelphia were estimated by using primarily the methodology outlined in the *Commercial Marine Activity for Deep Sea Ports in the United States, Final Report*[1]. A section in the report details the characteristics of ports on the Delaware River. Maritime Exchange for the Delaware River and Bay supplied ship arrival information. Ship arrivals for each pier, terminal, and facility were tabulated for the year in the report titled *Ship Arrivals for the Delaware River Ports 2003*[2], which included arrivals for years 1995-2003. Arrivals for 2002 were used for the 2002 inventory.

By mutual agreement between Pennsylvania and New Jersey, downbound traffic north of the Pennsylvania-Delaware border is included in the Pennsylvania emissions inventory while New Jersey captures all the upbound traffic north of the border. Most commercial marine vessel (CMV) emissions in the port are produced by hotelling emissions and tugboat trips. Ship shifts and large vessel movements do not contribute significantly to emissions. The pollutants that are produced in the largest quantity by ships are NOx.

Large Vessel Emissions

Large oceangoing vessels use Category 3 marine engines and use primarily bunker fuel.

The distance from the Delaware border for each shipping terminal was estimated using information on the U.S. Army Corps of Engineers website, at www.wrsc.usace.army.mil[3]. EPA guidance was followed for estimating the time required for a ship to travel the Delaware River from its berth to the Delaware border. All commercial ship traffic must slow to approximately 60-70 percent power around the time that they enter into Pennsylvania. This translates into 8

knots for tankers and 14 knots for container ships. An average speed of 11 knots was used for all ships. Once the vessel is within 3 to 4 miles of its intended berth or anchorage, it will continue at slow or dead-slow speed that ranges from 2 to 6 knots. We applied this methodology in reverse for a ship traveling out of its berth. An average speed of 4 knots was used for all vessels that are within 4 miles of their intended berth to calculate time for maneuvering. EPA guidance suggests that ships traveling with the current would travel three miles per hour faster than an upbound ship. Along the Delaware River near Philadelphia, speed limits are established in many areas that ships cannot exceed without causing damaging wakes. We assume river currents effect to be zero, because pilots will travel at 11 knots regardless since the speed limit is about 11 knots in many places

Equation for estimating time-in-mode:

$$\mathbf{T_{RSZ+MAN} = (D_{DB} - 4) / (S_{60\text{-}70\%} + S_{RC}) + 4/4}$$ [4]

Where:

$T_{RSZ+MAN}$ = Time-in-mode for reduced speed zone and for maneuvering.

$D_{DB} - 4$ = Distance to the Delaware border minus four miles needed for maneuvering speed (in nautical miles).

$(S_{60\text{-}70\%} + S_{RC})$ = Reduced speed plus the speed of the river current.

4/4 = Four miles for maneuvering divided by four knots

The length of time that each ship spent maneuvering in each county was calculated by finding the length of the river that runs by each county. Total maneuvering emissions were then apportioned to each county in the Philadelphia port. Emission factors used for maneuvering large ships for NOx, hydrocarbons, carbon monoxide, sulfur compounds, and particulate matter were 550 lb, 24lb, 60lb, 27 lb, and 33 lb, respectively, per 1000 gallons of fuel. Emission factors for class I CMV ships was obtained from *Procedures For Emission Inventory Preparation Volume IV: Mobile Sources*[4].

Hotelling Emissions

Hotelling emissions from large CMV were calculated by determining the number and types of vessels that visited Pennsylvania ports. The average number of hours that each type of ship spends hotelling during a typical port visit was obtained from *Commercial Marine Activity for Deep Sea Ports in the United States, Final Report*[5]. Tugboats do not contribute to hotelling emissions. Fuel usage for hotelling was obtained from *Procedures for Emission Inventory Preparation Volume IV: Mobile Sources*[4]. Emission factors were the same factors used for locomotives and class II CMV engines as stated below. Emissions were distributed to the county level on the basis of the percentage of commercial vessel visits to each of the three Pennsylvania counties.

Tugboat Emissions

Tugboats use Category 2 marine engines and use primarily distillate fuel. Emissions from tugboat operations in the Port of Philadelphia were derived by using the total number of tugboat

trips supplied by *the Waterborne Commerce of the United States*[6] report for calendar year 2002, found on the U.S. Army Corps of Engineers website. Average trip distances were estimated from this report. The report gives the approximate origin of the tugs. Many tugs are involved in lightering operations that are south of the Pennsylvania/Delaware border. Average trip times were estimated by using information obtained in telephone calls to tugboat operators in Port of Philadelphia and the equations provided in *Commercial Marine Activity for Deep Sea Ports in the United States, Final Report.*[7]

Tugboats were separated into six horsepower bins. Fuel usage was estimated by using information found in *Shipboard Marine Engines Emission Testing for the United States Coast Guard.* [8]

Table 6. Tugboat Fuel Use Characterization

Horsepower Bin	Number of Tugs in the Port	Fuel Usage (gal/hr)
0-750	7	25
750-1500	7	44
1500-3000	19	105
3000-5000	13	200
5000-8000	3	250
Total Tugs	49	

Emission factors from tugboats and pushboats are nearly nonexistent. Tugboat engines also known as type II marine engines are engineered and perform similarly to locomotive engines. Since some locomotive engines are the same size and operate under similar load and activities as tugboat engines, emission factors of locomotive engines were used at the suggestion of Greg Janssen of EPA[9]. Emission factors of locomotives from the U.S. EPA website, www.epa.gov [12] show NOx, hydrocarbon, carbon monoxide, sulfur, and particulate matter emissions at 609 lb, 50.6, 80.3, 20.3, and 20.6 lb, respectively, per 1000 gallons of fuel. Since these tugs are under load like locomotives, the emission factors of locomotives seem more appropriate than other emission factors available.

Distributing Tugboat Emissions to the County Level

The method outlined in allocating to the county level in *Commercial Marine Activity for Deep Sea Ports in the United States* [11] was not followed due to the geographic shape of the port. Delaware and Philadelphia counties get most of the emissions from commercial vessels since that is where most of the trips are recorded. The approximate number of tug trips to each county was estimated from trip statistics in *Waterborne Commerce of the United States* report[12]. Emissions were allocated to the county level as described by the equation below. Delaware and Philadelphia County had roughly the same amount of traffic while Bucks County had significantly less tug traffic.

Equation for Allocating Tugboat Emissions to the County Level

$\mathbf{T_{DC} = (TT_{PH} + TT_{CH} + TT_{SR}) / 2 + TT_{TH} / 3}$

Giving the example

T_{DC} = Hours tugboats spend traveling in Delaware County

TT_{PH} = Hours spent traveling from Philly Harbor to border

TT_{CH} = Hours spent traveling from Camden Harbor to border

TT_{SR} = Hours spent traveling from Schuylkill River to border

2 = Number of counties ships pass

TT_{TH} = Hours spent traveling from Trenton Harbor to border

3 = Number of counties ships pass

$\mathbf{T_{DC}}$ = (6584 + 19737 + 4794)/2 + 1820/3 = 16,164 hours

It was estimated that tugboats spend about 45% of their time in Philadelphia and Delaware Counties and 10% of their time in Bucks County. This estimate seems reasonable.

Ferry Emissions

Two ferries travel between Philadelphia and Camden seven times per day for eight months of the year. The vessels are idling and not emitting too much in the way of NOx for a large portion of their duty-cycle. Emissions standards for boats operating at low load and of comparable size were obtained from the *Shipboard Marine Engines Emission Testing for the United States Coast Guard-Final* Report[13].

Other Emissions

There is good reason to believe that significant emissions occur as a result of lightering emissions in the port. However, according to the Army Corps of Engineers and their consultant on the Delaware River Main Channel Deepening Project, Moffatt and Nichols, lightering operations occur south of the Pennsylvania border in Delaware.

The Coast Guard operates at least four vessels in the port, but it was impossible to obtain information on their operations.

The U.S. Army Corps of Engineers operates a dredging vessel in the Port of Philadelphia. The vessel, named Dredge McFarland, produced 197 tons of NOx and 60 tons of CO in 2002 according to the *Delaware River Main Channel Deepening Project: General Conformity and Mitigation* Analysis[14]. No other pollutants were given. It was impossible to ascertain exactly what percentage of time this ship exactly spent in Pennsylvania. It was roughly estimated from the conformity analysis that about 20 percent of the operations that occurred in the Philadelphia-Camden-Wilmington air basin occurred north of the Pennsylvania/Delaware border. Therefore, it is assumed that 10 percent of all dredging emissions occurred in Pennsylvania and 10 percent in New Jersey.

Emissions Growth

Emissions growth is based on two factors: future fuel consumption and future emissions standards. Emissions standards or programs that take place in the future will greatly lower emissions produced by CMV engines. Fuel use growth and future emission reductions used to calculate total future emissions were based upon information contained in the *Final Regulatory Impact Analysis: Control of Emissions from Marine Diesel Engines*.[15]

Fuel use growth for CMV was obtained from Table 5.8 for Category 2 engines, "Baseline Emissions from Category 2 CI Marine Engines Operated in U.S. Waters,"[16] and from Table 5-11 for Category 3 engines in the regulatory impact analysis. An average annual fuel use growth of 0.9 percent was estimated in the table for Category 2 engines. Fuel use for Category 3 engines is growing about 1.0% per year. The methodology does not rely on fuel use to estimate growth for Category 3 marine engines. It uses total emissions from Category 3 engines in port settings. These emission estimates can be found in the *Final Regulatory Support Document: Control of Emissions from New Marine Compression Ignition Engines at or Above 30 Liters per Cylinde*r. Corresponding baseline emission increases (absent controls) in carbon monoxide NOx, HC, CO, SOx, and PM are given.

Category 2 Marine Engine Emissions

Emission reductions for NOx for Category 2 engines were obtained from Table 5-9, "Projected NOx Emission Reductions from Category 2 CI Marine Engines Operated in U.S. Waters." [17] Table 5-9 was used for NOx because it shows emission reductions of Category 2 CI marine engines exclusively. Table 5-15, Emission Reductions from Engines Subject to Tier 2 Standards[18], was used to estimate emission reductions of PM and hydrocarbons for Category 2 vessels. The tables gave reductions for 2010. The reduction estimates were interpolated linearly between 2000 and 2010 to obtain reductions and emissions for the year 2009.

Table 7 shows the growth rates in emissions used to estimate emissions in the inventory.

Table 7. Normalized Growth in Emissions produced by Category 2 CMV in the U.S. (distillate fuel)

		Normalized Future Emission Factors				Normalized Growth in Emissions (CMV Growth * Normalized Future Emission Factors)			
Year	**CMV Fuel Use Growth**	**CO & SOx**	**NOx**	**VOC**	**PM**	**CO & SOx**	**NOx**	**VOC**	**PM**
2002	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009	1.065	1.000	0.960	0.980	0.924	1.065	1.022	1.043	0.985

Category 3 Marine Engine Emissions

The best estimates for emissions growth for Category 3 marine diesel engines were found in the United States Environmental Protection Agency document *Final Regulatory Support Document: Control of Emissions from New Marine Compression Ignition Engines at or Above 30 Liters per Cylinder*, Table 7.2-1, Projected Emission Inventories from Category 3 Marine Diesel Engines in Port Areas.[19] The growth in emissions from 2002 to 2009 was estimated by interpolating between the years given in Table 7.2-1 for the years 1996 and 2010. Emissions growth in Category 3 marine engines is much higher than Category 2 marine engines.

Table 8 shows the emissions increases of Category 3 CMV in port areas.

Growth in Emissions from Category 3 Marine Diesel Engines in Port Areas in the U.S.					
Year	**CO**	**SOx**	**NOx**	**VOC**	**PM**
2002	1.000	1.000	1.000	1.000	1.000
2009	1.249	1.046	1.187	1.247	1.215

[1] United States Environmental Protection Agency, Office of Mobile Sources, Assessment and Modeling Division, *Commercial Marine Activity for Deep Sea Ports in the United States, Final Report*, Ann Arbor, Michigan, June 30, 1999.

[2] *Ship Arrivals for the Delaware River Ports 2002*, Maritime Exchange for the Delaware River and Bay, 240-242 Cherry Street, Philadelphia PA 19106-1906

[3] U.S, Army Corps of Engineers, *Navigation Data* website, http://www.iwr.usace.army.mil/ndc/index.htm, July 19, 2001.

[4] U.S. Environmental Protection Agency, Office of Mobile Sources, *Procedures for Emission Inventory Preparation, Volume IV: Mobile Sources*, EPA-450/4-81-026d (Revised), Ann Arbor Michigan, 1992, Chapter 7.

[5] United States Environmental Protection Agency, Office of Mobile Sources, Assessment and Modeling Division *Commercial Marine Activity for Deep Sea Ports in the United States, Final Report*, Table 8-5.

[6] Website of the Waterborne Commerce Statistics Center of the United States, United States Army Corps of Engineers, July 19, 2001.

[7] United States Environmental Protection Agency, Office of Mobile Sources, Assessment and Modeling Division, *Commercial Marine Activity for Deep Sea Ports in the United States, Final Report*, p. 8-5.

[8] Volpe National Transportation Systems Center and United States Coast Guard Headquarters Naval Engineering Division, prepared by Environmental Transportation Consultants, *Shipboard Marine Engines Emission Testing for the United States Coast Guard Final Report*, 1995.

[9] Email exchange with Greg Janssen of U.S. EPA, Office of Transportation and Air Quality, Assessment and Standards Division, Ann Arbor Michigan, January 24, 2001.

[11] United States Environmental Protection Agency, Office of Mobile Sources, Assessment and Modeling Division, *Commercial Marine Activity for Deep Sea Ports in the United States, Final Report*, p. 4-13.

[12] Website of the Waterborne Commerce Statistics Center of the United States, United States Army Corps of Engineers, July 19, 2001.

[13] Volpe National Transportation Systems Center and United States Coast Guard Headquarters Naval Engineering Division, prepared by Environmental Transportation Consultants, *Shipboard Marine Engines Emission Testing for the United states Coast Guard Final Report*, 1995

[14] Moffatt & Nichol, Walnut Creek, CA, *General Conformity Analysis and Mitigation Report, Final Draft*, February 2004.

[15] United States Environmental Protection Agency, Office of Mobile Sources, Engines and Compliance Division, *Final Regulatory Analysis: Control of Emissions from Marine Diesel Engines*, November 1999.

[16] Ibid., p. 109

[17] Ibid., p. 110

[18] Ibid., p. 115

[19] United States Environmental Protection Agency, Office of Transportation and Air Quality, *Final Regulatory Support Document: Control of Emissions from New Marine Compression Ignition Engines at or Above 30 Liters per Cylinder*, p. 7-6, EPA420-R-09-004, January 2003.

APPENDIX F-2

Nonroad Source Emissions
(provided in electronic form only)

Bureau of Air Quality
Department of Environmental Protection

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Nonroad Emissions Inventory Summary												
Philadelphia Area	**NOX**		**VOC**		**PM2.5**		**SO2**		**NH3**		**PM10**	
	2002	**2009**	**2002**	**2009**	**2002**	**2009**	**2002**	**2009**	**2002**	**2009**	**2002**	**2009**
Bucks	3517.6	2843.3	4695.1	3361.5	292.0	254.6	254.1	75.2	2.8	3.1	307.1	268.7
Chester	3375.8	2727.4	3746.5	2712.8	303.5	258.8	283.5	79.6	2.7	3.1	317.8	272.1
Delaware	2559.6	2266.9	2689.7	1946.6	176.5	160.0	162.3	73.2	1.5	1.7	186.7	169.9
Montgomery	4926.0	3832.5	6116.8	4299.5	402.3	354.6	355.8	103.4	4.0	4.4	422.6	374.0
Philadelphia	7240.0	7204.1	4341.0	3903.7	360.8	328.1	584.9	468.5	3.0	3.4	377.2	343.4
Total Philadelphia Area	**21619.1**	**18874.2**	**21589.1**	**16224.1**	**1535.0**	**1355.9**	**1640.5**	**800.0**	**14.0**	**15.7**	**1611.4**	**1428.2**
Notes:	NH3 from NMIM											
	All other pollutants are from NONROAD model spreadsheets for individual counties											

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.591413	1.125614
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.597989	1.562054
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.884676	0.675497
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.187871	0.097995
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.002751	0.006409
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.003330	0.007673
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000028	0.000057
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.450097	0.252140
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000742	0.001509
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.003326	0.004052
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000265	0.000323
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.015605	0.036097
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.120745	0.325210
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.203538	0.521932
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	5.505104	3.700728
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.312343	0.732717
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	1.645392	3.255572
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.185881	0.468175
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	2.619867	3.036004
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.045495	0.052179
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.188184	0.215833
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000510	0.001404
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000669	0.001643
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.046352	0.130957
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.368409	0.891436
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000146	0.000347
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.002238	0.005378
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.002654	0.001678
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.835877	1.236722
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	7.546040	11.249640
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	4.519067	3.831331
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.776101	0.801671
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.343801	0.222023
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.001910	0.001374

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.408386	0.273861
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.589053	0.356298
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.857647	0.617440
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.356428	0.252979
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.016729	0.011459
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	1.037696	0.661961
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.326061	0.239958
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	1.764866	1.188846
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.666236	0.579308
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.170831	0.120832
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.115356	0.083108
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.294421	0.176277
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.728499	0.349554
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.553454	0.399471
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.776770	0.520276
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.109116	0.097265
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.254218	0.185582
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	5.032111	2.666318
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	21.243439	7.787161
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	3.782878	1.065607
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	3.341182	1.275251
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.333596	0.172146
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.059960	0.027079
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	2.193958	0.348175
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	13.845797	12.532386
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	18.744844	12.765794
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	1.174984	1.056811
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	9.448738	8.456595
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.079562	0.065441
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.485986	0.373044
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.152677	0.125165
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	32.080054	24.043212
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	1.257084	1.441780
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	5.199816	5.963794
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	3.611605	2.902099

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	2.600109	2.173529
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	2.743383	2.754289
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	1.074722	1.002192
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	49.620247	39.071962
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	36.318467	29.563283
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	11.606533	6.740858
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	127.193863	88.191824
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	1.360637	1.335846
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	2.822587	2.970012
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.010125	0.008189
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.112731	0.061567
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000848	0.000736
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.080133	0.069558
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.008275	0.007125
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.130363	0.118589
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.124965	0.147357
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.126924	0.110174
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.151731	0.132282
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.220821	0.092608
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	60.050167	56.923841
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	18.173431	14.178263
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	12.523357	9.174781
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	22.612011	18.918418
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	26.490923	21.975555
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	1.320402	1.124596
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.007615	0.008932
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000086	0.000067
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000788	0.000391
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.218069	0.175800
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.224098	0.186567
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.160720	0.089238
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.270755	0.106082
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.042378	0.032354
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.027661	0.014180
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.491942	0.285129

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.161899	0.141065
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.468920	0.125485
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.173195	0.131835
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.028831	0.021509
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.312773	0.201793
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.778219	0.402930
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.082678	0.035393
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.643014	0.455641
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.258555	0.203587
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	5.947187	4.699624
2267003020	Industrial Equipment	Forklifts	LPG	NOx	560.548767	303.878405
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	4.277458	1.586176
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	1.308174	0.596686
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.321214	0.248972
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	2.612121	0.659020
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	8.217545	3.822798
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.001904	0.001544
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.001602	0.000620
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	25.668828	24.765612
2267006010	Commercial Equipment	Pumps	LPG	NOx	5.977731	4.776428
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	7.206644	4.983655
2267006025	Commercial Equipment	Welders	LPG	NOx	8.984978	6.609595
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.118062	0.105351
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.111905	0.062598
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000856	0.000453
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.010199	0.008039
2268003020	Industrial Equipment	Forklifts	CNG	NOx	40.812355	21.769325
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.048773	0.025676
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.031886	0.015689
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.077073	0.032252
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.183877	0.045748
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.002303	0.001052
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.179748	0.011647
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	8.413396	7.652207
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.421871	0.338902

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.603455	0.397561
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	22.285059	2.292600
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.805093	0.083530
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	2.317360	2.323979
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	12.971546	10.565792
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.028508	0.023915
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.444702	0.374449
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	32.184589	27.286792
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	37.262431	29.785688
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	2.051279	1.719073
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	1.382177	1.243011
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	3.886665	3.450727
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	14.971826	13.768916
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	17.774927	16.275109
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	128.646239	99.467015
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	1.006664	0.945424
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.667823	0.629179
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	35.034209	28.221473
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	32.687281	25.038102
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	121.337534	98.253991
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	6.151051	5.172088
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	41.120997	36.704917
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	157.529343	131.204920
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	95.706284	88.674242
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	138.418930	111.670574
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	61.364019	60.580715
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	16.707049	14.388739
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.197506	0.195615
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	16.223878	13.869552
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	6.183590	5.983924
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	65.255894	55.377845
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	34.596245	28.736565
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	39.402016	32.628653
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	1.822425	1.652509

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	86.921279	82.143646
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	44.646004	34.648717
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.006094	0.006973
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	1.635628	1.738661
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	37.431583	40.193020
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	8.260605	8.039843
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	55.930267	61.086227
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	5.640579	5.683358
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.146793	0.163044
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.001726	0.001245
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	74.672697	64.955176
2270005020	Agricultural Equipment	Combines	Diesel	NOx	7.571068	6.787552
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.032452	0.032524
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.006919	0.006373
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.536566	0.519277
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000882	0.000843
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.530122	0.493887
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	1.559871	1.369680
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.978347	0.874401
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	111.758517	116.378074
2270006010	Commercial Equipment	Pumps	Diesel	NOx	26.605926	27.573100
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	67.156450	65.369073
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	32.516430	34.718546
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	3.733371	3.868245
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	2.904843	2.826338
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.384191	0.227353
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.033099	0.030018
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	2.178439	1.573196
2275000000	Aicraft	All Aircraft Types and Operations	Other	NOx	7.814581	8.109191
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2280002000	Marine Vessels	Commercial	Diesel	NOx	160.154698	163.694116
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	31.368421	37.231179
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	10.063481	17.814141
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	2.817398	5.817887
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	22.840025	27.504859
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	21.585058	24.316606
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.081278	0.086545
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	315.346700	238.402100
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NOx	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.248080	0.239067
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.005458	0.004045
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.000613	0.000439
Bucks County Total Annual NOx Emissions					**3517.553996**	**2843.314940**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	178.316630	237.181050
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	177.918699	294.549406
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	3.614440	2.879480
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	11.313353	4.878946
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.685522	0.171617
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.816741	0.204179
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.005863	0.001759
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	30.210625	12.052521
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.151663	0.041314
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.637161	0.112738
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.050558	0.008851
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	4.424020	1.622603
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	32.299748	8.982456
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	57.065310	16.257598
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	388.938294	168.099454

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	84.357062	26.016506
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	306.501323	85.705122
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	55.347571	18.653920
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	293.898554	99.865030
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	32.245838	36.992609
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	115.252249	132.223180
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.132070	0.033158
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.168595	0.042273
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	11.548603	3.328584
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	79.147621	24.186381
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.028055	0.009229
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.437679	0.143170
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.165630	0.083776
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	6.464429	8.649036
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	67.255365	96.878509
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	12.291990	10.490420
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	3.903809	3.400621
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.577742	0.383859
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.004977	0.003466
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	2.268573	1.375777
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.935100	0.654830
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	3.187625	1.995942
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	1.164970	0.714500
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.081523	0.045340
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	2.301149	1.340412
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	1.354090	0.863357
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	3.361001	2.507274
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	3.419813	2.470478
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.116261	0.083019
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.303700	0.188311
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.173170	0.103340
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.419739	0.195974
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	1.135629	0.841140
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.789598	0.534422
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.486304	0.355796

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.149004	0.109239
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	4.331482	2.171380
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	12.333511	4.480254
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	3.791439	1.201814
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	13.454160	4.151979
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.308816	0.151168
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.154600	0.071474
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	1.267317	0.166837
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	157.850420	137.974564
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	152.325842	91.778108
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	13.175206	11.494294
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	72.713570	61.214490
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.832329	0.716853
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	2.521662	1.656885
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	1.670579	1.437730
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	50.841589	37.894574
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	12.576684	14.426641
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	16.722107	19.187843
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	15.496941	13.723247
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	5.931380	4.869036
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	9.932980	8.502623
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	8.936438	7.634958
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	185.330509	155.299139
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	80.067255	62.566932
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	12.076502	8.225016
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	294.133031	227.305562
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	9.609203	7.807887
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	19.704399	17.220165
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.023858	0.018986
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.077583	0.044442
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000531	0.000468
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.053838	0.047771
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.024931	0.018637
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.357050	0.291463
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.719179	0.685735

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.080177	0.070734
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.134319	0.111981
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.141420	0.057674
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	222.351867	188.648768
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	65.402855	40.814330
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	26.464606	18.111238
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	41.598006	36.556278
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	115.200989	85.542769
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	4.076236	3.181940
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.029722	0.025561
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000508	0.000287
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000777	0.000391
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.483992	0.372541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.060715	0.051263
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.043810	0.025011
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.074325	0.029763
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.011460	0.008964
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.007557	0.003984
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.134069	0.079970
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.043502	0.038586
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.129935	0.034385
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.046859	0.036564
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.007804	0.005973
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.085022	0.056510
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.212695	0.114058
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.022678	0.010018
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.174290	0.126638
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.069840	0.056278
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	1.601975	1.298517
2267003020	Industrial Equipment	Forklifts	LPG	VOC	152.840194	85.837822
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	1.177186	0.443697
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.357696	0.167986
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.086613	0.069021
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.720601	0.182052
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	2.247587	1.079891

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000517	0.000426
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000440	0.000177
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	5.212363	5.095476
2267006010	Commercial Equipment	Pumps	LPG	VOC	1.229260	0.990939
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	1.494644	1.039687
2267006025	Commercial Equipment	Welders	LPG	VOC	2.419414	1.842562
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.031471	0.028886
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.023298	0.012795
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000233	0.000128
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000162	0.000131
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.656688	0.363018
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000785	0.000429
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000513	0.000262
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.001245	0.000534
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.002991	0.000747
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000039	0.000018
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.003028	0.000202
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.101681	0.093610
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.005138	0.004172
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.007416	0.004932
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.387433	0.023070
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.013458	0.001041
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.740917	0.632075
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	1.250942	0.873351
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.004635	0.003712
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.077717	0.058084
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	3.545999	2.366365
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	2.601873	1.724534
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.228612	0.158447
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.157725	0.107616
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.766646	0.465507
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	2.111342	1.374335
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	1.655476	1.371067
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	10.266559	7.510264

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.170089	0.101100
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.079612	0.071029
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	2.674465	1.925688
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	2.556250	1.890010
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	8.848149	5.472366
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.545210	0.380745
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	5.098862	3.549784
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	12.761613	9.379528
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	22.030323	18.761357
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	11.088806	7.652804
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	21.269698	17.099810
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	1.500262	0.947429
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.064644	0.056677
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	1.399937	1.015377
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	1.823416	1.641353
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	6.436457	4.688643
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	3.328993	2.323743
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	3.603586	2.665404
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.339177	0.299800
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	11.779599	7.329060
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	3.526364	2.832797
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.001229	0.001208
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.157056	0.142186
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	7.377795	5.472072
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	1.633913	1.133137
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	6.324314	5.919240
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.762551	0.476749
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.023491	0.021651
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000310	0.000202
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	9.273622	6.364530
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.675380	0.590639
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.006836	0.005282
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.001101	0.000881
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.098519	0.071618
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000102	0.000080

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.060805	0.056334
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.206730	0.144161
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.127249	0.086208
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	16.961599	14.655148
2270006010	Commercial Equipment	Pumps	Diesel	VOC	3.729766	3.286394
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	8.407512	6.327823
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	12.799170	10.745621
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.533159	0.479563
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.391646	0.280532
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.027937	0.017308
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.002791	0.002222
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.178585	0.099629
2275000000	Aicraft	All Aircraft Types and Operations	Other	VOC	10.245183	10.631426
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	12.469300	13.010468
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	4.044602	5.042001
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	463.430563	344.037442
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	160.670857	95.351316
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	30.720095	30.248959
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.807546	0.881824
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.020288	0.016093
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	13.629700	13.380300
2285002010	Railroad Equipment	Yard Locomotives	Diesel	VOC	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.048123	0.042574
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.014620	0.009939
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000166	0.000122

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
Bucks County Total Annual VOC Emissions					**4695.084231**	**3361.468360**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	SO2	0.114479	0.042810
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	SO2	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	SO2	0.071003	0.041530
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	SO2	0.047158	0.011275
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	SO2	0.012175	0.002456
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	SO2	0.000658	0.000160
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	SO2	0.000785	0.000191
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	SO2	0.000006	0.000001
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	SO2	0.030335	0.006330
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	SO2	0.000152	0.000037
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	SO2	0.000657	0.000100
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	SO2	0.000052	0.000008
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.003909	0.000972
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.030935	0.008356
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	SO2	0.053675	0.013423
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	SO2	0.390239	0.092757
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.072926	0.018625
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.305495	0.081362
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	SO2	0.047674	0.011996
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	SO2	0.300007	0.075940
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	SO2	0.011438	0.002940
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	SO2	0.047317	0.012161
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	SO2	0.000129	0.000035
2260005035	Agricultural Equipment	Sprayers	2 Stroke	SO2	0.000149	0.000041
2260006005	Commercial Equipment	Generator Sets	2 Stroke	SO2	0.011145	0.003262
2260006010	Commercial Equipment	Pumps	2 Stroke	SO2	0.072021	0.021824
2260006015	Commercial Equipment	Air Compressors	2 Stroke	SO2	0.000029	0.000009
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	SO2	0.000450	0.000132
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	SO2	0.000167	0.000042

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	SO2	0.064185	0.022539
2265001030	Recreational Equipment	ATVs	4 Stroke	SO2	0.613779	0.235042
2265001050	Recreational Equipment	Golf Carts	4 Stroke	SO2	0.207205	0.046186
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	SO2	0.038401	0.008459
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	SO2	0.010572	0.002210
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	SO2	0.000080	0.000016
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	SO2	0.018250	0.003844
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	SO2	0.018587	0.003897
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	SO2	0.036626	0.007572
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	SO2	0.015021	0.003180
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	SO2	0.000750	0.000159
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	SO2	0.032084	0.006741
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	SO2	0.010306	0.002206
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	SO2	0.066764	0.014214
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	SO2	0.032844	0.006799
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	SO2	0.002687	0.000570
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	SO2	0.004284	0.000906
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	SO2	0.004251	0.000880
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	SO2	0.010402	0.002093
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	SO2	0.022119	0.004671
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	SO2	0.015919	0.003305
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	SO2	0.005212	0.001075
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	SO2	0.003651	0.000780
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	SO2	0.089979	0.012078
2265003020	Industrial Equipment	Forklifts	4 Stroke	SO2	0.302814	0.038890
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	SO2	0.073430	0.009278
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	SO2	0.121368	0.016057
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	SO2	0.006345	0.000846
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	SO2	0.002528	0.000327
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	SO2	0.031250	0.003699
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	SO2	0.717697	0.158444
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	SO2	0.879289	0.211872
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.061131	0.013346
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.460628	0.112191
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.003882	0.000870

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.021831	0.005182
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	SO2	0.007448	0.001662
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	SO2	0.980653	0.229598
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	SO2	0.074103	0.019054
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	SO2	0.306520	0.078813
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	SO2	0.157551	0.034064
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	SO2	0.110876	0.026263
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	SO2	0.133653	0.030805
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	SO2	0.053463	0.012981
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	SO2	2.145953	0.457402
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	SO2	1.530837	0.357047
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	SO2	0.264113	0.061137
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	SO2	4.690511	1.130635
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.071768	0.015816
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.147176	0.034856
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	SO2	0.000433	0.000099
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	SO2	0.001840	0.000408
2265005020	Agricultural Equipment	Combines	4 Stroke	SO2	0.000012	0.000003
2265005025	Agricultural Equipment	Balers	4 Stroke	SO2	0.001148	0.000273
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	SO2	0.000372	0.000083
2265005035	Agricultural Equipment	Sprayers	4 Stroke	SO2	0.003883	0.000899
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	SO2	0.008428	0.001988
2265005045	Agricultural Equipment	Swathers	4 Stroke	SO2	0.001818	0.000432
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	SO2	0.002660	0.000623
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	SO2	0.003227	0.000695
2265006005	Commercial Equipment	Generator Sets	4 Stroke	SO2	2.724096	0.676392
2265006010	Commercial Equipment	Pumps	4 Stroke	SO2	0.638555	0.161831
2265006015	Commercial Equipment	Air Compressors	4 Stroke	SO2	0.348618	0.088470
2265006025	Commercial Equipment	Welders	4 Stroke	SO2	0.759737	0.193293
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	SO2	1.154379	0.290248
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	SO2	0.054941	0.013964
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	SO2	0.000391	0.000099
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	SO2	0.000004	0.000001
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	SO2	0.000014	0.000003
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	SO2	0.010043	0.002119

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	SO2	0.000243	0.000244
2267002003	Construction and Mining Equipment	Pavers	LPG	SO2	0.000174	0.000176
2267002015	Construction and Mining Equipment	Rollers	LPG	SO2	0.000293	0.000285
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	SO2	0.000046	0.000049
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	SO2	0.000030	0.000030
2267002030	Construction and Mining Equipment	Trenchers	LPG	SO2	0.000534	0.000541
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	SO2	0.000176	0.000190
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	SO2	0.000507	0.000481
2267002045	Construction and Mining Equipment	Cranes	LPG	SO2	0.000188	0.000199
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	SO2	0.000031	0.000033
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	SO2	0.000339	0.000349
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	SO2	0.000844	0.000843
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	SO2	0.000090	0.000088
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	SO2	0.000698	0.000728
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	SO2	0.000281	0.000298
2267003010	Industrial Equipment	Aerial Lifts	LPG	SO2	0.006465	0.007181
2267003020	Industrial Equipment	Forklifts	LPG	SO2	0.608143	0.640423
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	SO2	0.004634	0.004710
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	SO2	0.001419	0.001468
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	SO2	0.000349	0.000387
2267003070	Industrial Equipment	Terminal Tractors	LPG	SO2	0.002828	0.002800
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	SO2	0.008911	0.008818
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	SO2	0.000002	0.000002
2267005060	Agricultural Equipment	Irrigation Sets	LPG	SO2	0.000002	0.000001
2267006005	Commercial Equipment	Generator Sets	LPG	SO2	0.028064	0.036934
2267006010	Commercial Equipment	Pumps	LPG	SO2	0.006523	0.008345
2267006015	Commercial Equipment	Air Compressors	LPG	SO2	0.007853	0.009860
2267006025	Commercial Equipment	Welders	LPG	SO2	0.009768	0.012289
2267006030	Commercial Equipment	Pressure Washers	LPG	SO2	0.000129	0.000166
2267006035	Commercial Equipment	Hydro Power Units	LPG	SO2	0.000122	0.000150
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	SO2	0.000001	0.000001
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	SO2	0.000009	0.000010
2268003020	Industrial Equipment	Forklifts	CNG	SO2	0.037367	0.041085
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	SO2	0.000045	0.000049
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	SO2	0.000029	0.000032

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003060	Industrial Equipment	AC\Refrigeration	CNG	SO2	0.000070	0.000077
2268003070	Industrial Equipment	Terminal Tractors	CNG	SO2	0.000168	0.000181
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	SO2	0.000002	0.000001
2268005060	Agricultural Equipment	Irrigation Sets	CNG	SO2	0.000162	0.000011
2268006005	Commercial Equipment	Generator Sets	CNG	SO2	0.008116	0.009723
2268006010	Commercial Equipment	Pumps	CNG	SO2	0.000406	0.000481
2268006015	Commercial Equipment	Air Compressors	CNG	SO2	0.000579	0.000677
2268006020	Commercial Equipment	Gas Compressors	CNG	SO2	0.019783	0.023662
2268006035	Commercial Equipment	Hydro Power Units	CNG	SO2	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	SO2	0.000726	0.000685
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	SO2	0.258262	0.047356
2270002003	Construction and Mining Equipment	Pavers	Diesel	SO2	1.581633	0.287014
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	SO2	0.006333	0.001149
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	SO2	0.042398	0.007705
2270002015	Construction and Mining Equipment	Rollers	Diesel	SO2	3.957609	0.718376
2270002018	Construction and Mining Equipment	Scrapers	Diesel	SO2	4.307352	0.781445
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	SO2	0.237677	0.043144
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	SO2	0.146727	0.026641
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	SO2	0.436153	0.079326
2270002030	Construction and Mining Equipment	Trenchers	Diesel	SO2	1.875643	0.340630
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	SO2	1.615584	0.293155
2270002036	Construction and Mining Equipment	Excavators	Diesel	SO2	16.054802	2.912416
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	SO2	0.132634	0.024101
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	SO2	0.063008	0.011433
2270002045	Construction and Mining Equipment	Cranes	Diesel	SO2	3.663233	0.664646
2270002048	Construction and Mining Equipment	Graders	Diesel	SO2	3.995652	0.724818
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	SO2	13.721100	2.489743
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	SO2	0.646846	0.117392
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	SO2	5.133022	0.931809
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	SO2	17.470884	3.169744
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	SO2	10.565486	1.919441
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	SO2	15.985900	2.900473
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	SO2	7.227462	1.315029
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	SO2	1.720446	0.312313
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	SO2	0.022309	0.004056

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	SO2	1.647515	0.298975
2270003010	Industrial Equipment	Aerial Lifts	Diesel	SO2	0.646751	0.120533
2270003020	Industrial Equipment	Forklifts	Diesel	SO2	9.419865	1.752109
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	SO2	4.111401	0.764958
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	SO2	4.172258	0.776260
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	SO2	0.160253	0.029846
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	SO2	11.643059	2.167641
2270003070	Industrial Equipment	Terminal Tractors	Diesel	SO2	5.937017	1.103956
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	SO2	0.000642	0.000133
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	SO2	0.167670	0.034558
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	SO2	4.436579	0.916109
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	SO2	0.915284	0.189091
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	SO2	6.052046	1.247423
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	SO2	0.713760	0.147274
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	SO2	0.016882	0.003481
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	SO2	0.000175	0.000031
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	SO2	7.748766	1.384974
2270005020	Agricultural Equipment	Combines	Diesel	SO2	0.696295	0.124320
2270005025	Agricultural Equipment	Balers	Diesel	SO2	0.003887	0.000695
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	SO2	0.000767	0.000137
2270005035	Agricultural Equipment	Sprayers	Diesel	SO2	0.058953	0.010543
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	SO2	0.000094	0.000017
2270005045	Agricultural Equipment	Swathers	Diesel	SO2	0.054639	0.009755
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	SO2	0.151305	0.027050
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	SO2	0.111220	0.019878
2270006005	Commercial Equipment	Generator Sets	Diesel	SO2	12.399263	2.369556
2270006010	Commercial Equipment	Pumps	Diesel	SO2	2.926011	0.559064
2270006015	Commercial Equipment	Air Compressors	Diesel	SO2	8.117863	1.551291
2270006020	Commercial Equipment	Gas Compressors	Diesel	SO2	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	SO2	4.102632	0.786039
2270006030	Commercial Equipment	Pressure Washers	Diesel	SO2	0.396666	0.075790
2270006035	Commercial Equipment	Hydro Power Units	Diesel	SO2	0.352050	0.067293
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	SO2	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	SO2	0.049328	0.007072
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	SO2	0.003681	0.000754

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	SO2	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	SO2	0.222372	0.033807
2275000000	Aicraft	All Aircraft Types and Operations	Other	SO2	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	SO2	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	SO2	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	SO2	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	SO2	5.267636	5.608452
2280003000	Marine Vessels	Commercial	Residual Fuel	SO2	2.151965	2.250094
2280004000	Marine Vessels	Commercial	Gasoline	SO2	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	SO2	0.833576	0.194697
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	SO2	0.336642	0.075532
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	SO2	0.507836	0.115794
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	SO2	2.747148	0.509187
2282020010	Pleasure Craft	Outboards	Diesel	SO2	0.011811	0.002195
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	SO2	21.116100	23.597200
2285002010	Railroad Equipment	Yard Locomotives	Diesel	SO2	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	SO2	0.024869	0.004706
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	SO2	0.000215	0.000047
2285006015	Railroad Equipment	Railway Maintenance	LPG	SO2	0.000001	0.000001
Bucks County Total Annual SO2 Emissions					**254.080589**	**75.207677**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM2.5	6.094085	8.074638
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM2.5	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM2.5	6.007147	9.847848
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM2.5	0.024849	0.021374
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM2.5	0.642626	0.655190
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM2.5	0.027660	0.023147
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM2.5	0.033278	0.027897
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM2.5	0.000250	0.000214
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM2.5	1.695975	1.708049
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM2.5	0.006653	0.005689

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM2.5	0.028487	0.015273
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM2.5	0.002270	0.001217
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	0.154308	0.139981
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	1.243182	1.184894
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM2.5	2.150299	1.884553
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM2.5	21.517818	24.149292
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	2.943749	2.713317
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	12.914466	12.606794
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM2.5	1.920761	1.701428
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM2.5	13.834944	14.334358
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM2.5	0.916465	1.051418
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM2.5	3.790686	4.348884
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM2.5	0.005333	0.004988
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM2.5	0.006273	0.006048
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM2.5	0.466027	0.471589
2260006010	Commercial Equipment	Pumps	2 Stroke	PM2.5	3.259564	3.488158
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM2.5	0.001262	0.001308
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM2.5	0.019586	0.020273
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM2.5	0.009548	0.012050
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM2.5	0.085790	0.134632
2265001030	Recreational Equipment	ATVs	4 Stroke	PM2.5	0.773483	1.318937
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM2.5	0.121621	0.110890
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM2.5	0.019331	0.018610
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM2.5	0.005766	0.004819
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM2.5	0.000044	0.000035
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM2.5	0.016253	0.011098
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM2.5	0.009939	0.008755
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM2.5	0.024497	0.017956
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM2.5	0.010273	0.007577
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM2.5	0.000622	0.000406
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM2.5	0.020460	0.015437
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM2.5	0.008988	0.006335
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM2.5	0.037634	0.033384
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM2.5	0.022628	0.018131
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM2.5	0.001041	0.001019

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM2.5	0.002774	0.002098
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM2.5	0.001545	0.001567
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM2.5	0.003767	0.003841
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM2.5	0.012207	0.010459
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM2.5	0.007151	0.006384
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM2.5	0.003016	0.002530
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM2.5	0.001315	0.001336
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM2.5	0.038377	0.022439
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM2.5	0.110921	0.070906
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM2.5	0.035472	0.019661
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM2.5	0.105393	0.041869
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM2.5	0.002805	0.001601
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM2.5	0.001425	0.000722
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM2.5	0.011503	0.007331
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM2.5	0.779022	0.659985
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM2.5	1.027631	0.695517
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.058201	0.057473
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.563452	0.446679
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.004071	0.003563
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.019537	0.014911
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.008003	0.006923
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.531006	0.497394
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM2.5	0.027941	0.032067
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM2.5	0.115562	0.132625
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.080452	0.072596
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.060805	0.057182
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM2.5	0.069441	0.067155
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM2.5	0.071169	0.052476
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM2.5	1.114955	0.977722
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM2.5	0.852874	0.777108
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM2.5	0.125633	0.128517
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM2.5	2.772905	2.685494
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.071204	0.050095
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.145613	0.110169
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM2.5	0.000244	0.000220

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM2.5	0.000733	0.000777
2265005020	Agricultural Equipment	Combines	4 Stroke	PM2.5	0.000004	0.000005
2265005025	Agricultural Equipment	Balers	4 Stroke	PM2.5	0.000407	0.000454
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM2.5	0.000200	0.000179
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM2.5	0.002378	0.002185
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM2.5	0.003193	0.003646
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM2.5	0.000644	0.000719
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM2.5	0.001077	0.001124
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM2.5	0.001242	0.001331
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM2.5	1.530901	1.534428
2265006010	Commercial Equipment	Pumps	4 Stroke	PM2.5	0.509221	0.392343
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM2.5	0.227560	0.203033
2265006025	Commercial Equipment	Welders	4 Stroke	PM2.5	0.412347	0.426139
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM2.5	0.876971	0.747392
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM2.5	0.035688	0.032520
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM2.5	0.000199	0.000217
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM2.5	0.000004	0.000003
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM2.5	0.000007	0.000006
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM2.5	0.005880	0.005088
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM2.5	0.001050	0.001107
2267002003	Construction and Mining Equipment	Pavers	LPG	PM2.5	0.000758	0.000868
2267002015	Construction and Mining Equipment	Rollers	LPG	PM2.5	0.001285	0.001473
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM2.5	0.000198	0.000227
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM2.5	0.000131	0.000150
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM2.5	0.002319	0.002658
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM2.5	0.000752	0.000863
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM2.5	0.002247	0.002575
2267002045	Construction and Mining Equipment	Cranes	LPG	PM2.5	0.000810	0.000929
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM2.5	0.000135	0.000155
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM2.5	0.001470	0.001685
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM2.5	0.003678	0.004216
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM2.5	0.000392	0.000450
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM2.5	0.003014	0.003455
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM2.5	0.001208	0.001385
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM2.5	0.027706	0.033595

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267003020	Industrial Equipment	Forklifts	LPG	PM2.5	2.643317	3.198449
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM2.5	0.020359	0.024626
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM2.5	0.006186	0.007485
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM2.5	0.001498	0.001816
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM2.5	0.012463	0.015072
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM2.5	0.038871	0.044676
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM2.5	0.000009	0.000009
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM2.5	0.000008	0.000008
2267006005	Commercial Equipment	Generator Sets	LPG	PM2.5	0.117190	0.167099
2267006010	Commercial Equipment	Pumps	LPG	PM2.5	0.027638	0.039374
2267006015	Commercial Equipment	Air Compressors	LPG	PM2.5	0.033604	0.047847
2267006025	Commercial Equipment	Welders	LPG	PM2.5	0.041843	0.059577
2267006030	Commercial Equipment	Pressure Washers	LPG	PM2.5	0.000544	0.000776
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM2.5	0.000524	0.000745
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM2.5	0.000004	0.000005
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM2.5	0.000048	0.000055
2268003020	Industrial Equipment	Forklifts	CNG	PM2.5	0.192691	0.225583
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM2.5	0.000230	0.000270
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM2.5	0.000151	0.000176
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM2.5	0.000365	0.000428
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM2.5	0.000878	0.001027
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM2.5	0.000012	0.000005
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM2.5	0.000888	0.000060
2268006005	Commercial Equipment	Generator Sets	CNG	PM2.5	0.038785	0.048297
2268006010	Commercial Equipment	Pumps	CNG	PM2.5	0.001960	0.002438
2268006015	Commercial Equipment	Air Compressors	CNG	PM2.5	0.002829	0.003518
2268006020	Commercial Equipment	Gas Compressors	CNG	PM2.5	0.113684	0.141118
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM2.5	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM2.5	0.003949	0.003932
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM2.5	0.400575	0.337414
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM2.5	1.169222	0.819118
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM2.5	0.003212	0.002295
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM2.5	0.052593	0.039000
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM2.5	3.276220	2.307462
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM2.5	2.624460	1.691833

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM2.5	0.206722	0.146549
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM2.5	0.146116	0.099651
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM2.5	0.462721	0.299926
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM2.5	1.921526	1.365083
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM2.5	1.353145	1.001335
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM2.5	9.780658	6.949396
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM2.5	0.146894	0.103513
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM2.5	0.059359	0.049519
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM2.5	2.135501	1.337996
2270002048	Construction and Mining Equipment	Graders	Diesel	PM2.5	2.333983	1.658813
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM2.5	7.715951	4.615227
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM2.5	0.446863	0.287147
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM2.5	4.910898	3.568684
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM2.5	12.295413	8.419624
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM2.5	14.583374	12.913035
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM2.5	10.122453	6.960896
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM2.5	12.542411	10.941703
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM2.5	1.327642	0.812101
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM2.5	0.038834	0.034289
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM2.5	1.392211	0.923865
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM2.5	1.066072	0.957057
2270003020	Industrial Equipment	Forklifts	Diesel	PM2.5	7.199060	5.169417
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM2.5	2.617141	1.823474
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM2.5	2.831452	1.979604
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM2.5	0.225041	0.185307
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM2.5	9.716388	6.321711
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM2.5	3.520752	2.595571
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM2.5	0.000655	0.000663
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM2.5	0.120540	0.095280
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM2.5	4.503625	3.672335
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM2.5	0.973336	0.685858
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM2.5	5.066694	4.378721
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM2.5	0.542914	0.403802
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM2.5	0.017243	0.015709
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM2.5	0.000266	0.000168

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM2.5	8.825819	5.865057
2270005020	Agricultural Equipment	Combines	Diesel	PM2.5	0.931820	0.641561
2270005025	Agricultural Equipment	Balers	Diesel	PM2.5	0.005364	0.004055
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM2.5	0.001134	0.000889
2270005035	Agricultural Equipment	Sprayers	Diesel	PM2.5	0.074341	0.051281
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM2.5	0.000089	0.000064
2270005045	Agricultural Equipment	Swathers	Diesel	PM2.5	0.077389	0.059769
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM2.5	0.209564	0.132554
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM2.5	0.098918	0.066388
2270006005	Commercial Equipment	Generator Sets	Diesel	PM2.5	11.836383	10.056757
2270006010	Commercial Equipment	Pumps	Diesel	PM2.5	2.870843	2.445107
2270006015	Commercial Equipment	Air Compressors	Diesel	PM2.5	6.815176	5.147216
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM2.5	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM2.5	7.092772	6.373250
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM2.5	0.331635	0.276010
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM2.5	0.303005	0.227118
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM2.5	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM2.5	0.027645	0.015622
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM2.5	0.002621	0.002051
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM2.5	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM2.5	0.137180	0.068460
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM2.5	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	PM2.5	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM2.5	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM2.5	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM2.5	4.917844	4.832766
2280003000	Marine Vessels	Commercial	Residual Fuel	PM2.5	1.309720	1.591179
2280004000	Marine Vessels	Commercial	Gasoline	PM2.5	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM2.5	7.453842	5.144211
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM2.5	2.971641	1.659569
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM2.5	0.170626	0.179448
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM2.5	0.578547	0.442201
2282020010	Pleasure Craft	Outboards	Diesel	PM2.5	0.010473	0.009252
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM2.5	8.351600	7.904800
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM2.5	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM2.5	0.035199	0.029089
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM2.5	0.000130	0.000105
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM2.5	0.000003	0.000003
Bucks County Total Annual PM2.5 Emissions					**291.961110**	**254.564343**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM10	6.624006	8.776780
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM10	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM10	6.529508	10.704183
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM10	0.027009	0.023232
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM10	0.698507	0.712163
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM10	0.030065	0.025159
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM10	0.036172	0.030323
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM10	0.000272	0.000233
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM10	1.843451	1.856574
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM10	0.007232	0.006184
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM10	0.030964	0.016601
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM10	0.002467	0.001323
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM10	0.167726	0.152153
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM10	1.351284	1.287929
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM10	2.337281	2.048428
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM10	23.388933	26.249230
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	3.199727	2.949257
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	14.037463	13.703037
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM10	2.087784	1.849379
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM10	15.037982	15.580824
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM10	0.996157	1.142846
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM10	4.120311	4.727048
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM10	0.005797	0.005422
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM10	0.006818	0.006574
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM10	0.506551	0.512597
2260006010	Commercial Equipment	Pumps	2 Stroke	PM10	3.543004	3.791476

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM10	0.001372	0.001422
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM10	0.021289	0.022036
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM10	0.010378	0.013098
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM10	0.093250	0.146339
2265001030	Recreational Equipment	ATVs	4 Stroke	PM10	0.840742	1.433628
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM10	0.132197	0.120533
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM10	0.021012	0.020229
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM10	0.006267	0.005238
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM10	0.000048	0.000038
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM10	0.017667	0.012063
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM10	0.010803	0.009516
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM10	0.026628	0.019518
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM10	0.011167	0.008236
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM10	0.000676	0.000442
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM10	0.022240	0.016779
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM10	0.009769	0.006886
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM10	0.040907	0.036287
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM10	0.024596	0.019708
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM10	0.001132	0.001108
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM10	0.003015	0.002281
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM10	0.001679	0.001703
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM10	0.004094	0.004175
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM10	0.013268	0.011368
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM10	0.007773	0.006939
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM10	0.003278	0.002750
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM10	0.001429	0.001452
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM10	0.041714	0.024390
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM10	0.120566	0.077071
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM10	0.038556	0.021371
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM10	0.114557	0.045510
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM10	0.003049	0.001741
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM10	0.001549	0.000785
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM10	0.012503	0.007969
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM10	0.846763	0.717375
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM10	1.116990	0.755996

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.063262	0.062471
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.612448	0.485521
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.004425	0.003872
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.021235	0.016207
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM10	0.008698	0.007525
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM10	0.577180	0.540646
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM10	0.030371	0.034855
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM10	0.125611	0.144158
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM10	0.087448	0.078909
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM10	0.066092	0.062155
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM10	0.075480	0.072995
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM10	0.077357	0.057040
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM10	1.211908	1.062741
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM10	0.927037	0.844683
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM10	0.136557	0.139692
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM10	3.014027	2.919015
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.077396	0.054451
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.158275	0.119749
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM10	0.000266	0.000239
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM10	0.000797	0.000845
2265005020	Agricultural Equipment	Combines	4 Stroke	PM10	0.000005	0.000005
2265005025	Agricultural Equipment	Balers	4 Stroke	PM10	0.000442	0.000494
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM10	0.000217	0.000195
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM10	0.002585	0.002375
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM10	0.003470	0.003963
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM10	0.000700	0.000782
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM10	0.001170	0.001222
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM10	0.001350	0.001447
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM10	1.664023	1.667857
2265006010	Commercial Equipment	Pumps	4 Stroke	PM10	0.553501	0.426460
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM10	0.247348	0.220688
2265006025	Commercial Equipment	Welders	4 Stroke	PM10	0.448203	0.463195
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM10	0.953229	0.812383
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM10	0.038791	0.035348
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM10	0.000216	0.000236

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM10	0.000004	0.000003
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM10	0.000007	0.000007
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM10	0.006391	0.005531
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM10	0.001050	0.001107
2267002003	Construction and Mining Equipment	Pavers	LPG	PM10	0.000758	0.000868
2267002015	Construction and Mining Equipment	Rollers	LPG	PM10	0.001285	0.001473
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM10	0.000198	0.000227
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM10	0.000131	0.000150
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM10	0.002319	0.002658
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM10	0.000752	0.000863
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM10	0.002247	0.002575
2267002045	Construction and Mining Equipment	Cranes	LPG	PM10	0.000810	0.000929
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM10	0.000135	0.000155
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM10	0.001470	0.001685
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM10	0.003678	0.004216
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM10	0.000392	0.000450
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM10	0.003014	0.003455
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM10	0.001208	0.001385
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM10	0.027706	0.033595
2267003020	Industrial Equipment	Forklifts	LPG	PM10	2.643317	3.198449
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM10	0.020359	0.024626
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM10	0.006186	0.007485
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM10	0.001498	0.001816
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM10	0.012463	0.015072
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM10	0.038871	0.044676
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM10	0.000009	0.000009
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM10	0.000008	0.000008
2267006005	Commercial Equipment	Generator Sets	LPG	PM10	0.117190	0.167099
2267006010	Commercial Equipment	Pumps	LPG	PM10	0.027638	0.039374
2267006015	Commercial Equipment	Air Compressors	LPG	PM10	0.033604	0.047847
2267006025	Commercial Equipment	Welders	LPG	PM10	0.041843	0.059577
2267006030	Commercial Equipment	Pressure Washers	LPG	PM10	0.000544	0.000776
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM10	0.000524	0.000745
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM10	0.000004	0.000005
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM10	0.000048	0.000055

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003020	Industrial Equipment	Forklifts	CNG	PM10	0.192691	0.225583
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM10	0.000230	0.000270
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM10	0.000151	0.000176
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM10	0.000365	0.000428
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM10	0.000878	0.001027
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM10	0.000012	0.000005
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM10	0.000888	0.000060
2268006005	Commercial Equipment	Generator Sets	CNG	PM10	0.038785	0.048297
2268006010	Commercial Equipment	Pumps	CNG	PM10	0.001960	0.002438
2268006015	Commercial Equipment	Air Compressors	CNG	PM10	0.002829	0.003518
2268006020	Commercial Equipment	Gas Compressors	CNG	PM10	0.113684	0.141118
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM10	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM10	0.003949	0.003932
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM10	0.412964	0.347849
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM10	1.205384	0.844452
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM10	0.003311	0.002366
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM10	0.054220	0.040206
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM10	3.377547	2.378827
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM10	2.705628	1.744158
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM10	0.213115	0.151081
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM10	0.150635	0.102732
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM10	0.477032	0.309202
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM10	1.980955	1.407302
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM10	1.394995	1.032304
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM10	10.083153	7.164326
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM10	0.151437	0.106715
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM10	0.061195	0.051050
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM10	2.201547	1.379377
2270002048	Construction and Mining Equipment	Graders	Diesel	PM10	2.406169	1.710116
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM10	7.954589	4.757966
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM10	0.460683	0.296028
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM10	5.062781	3.679056
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM10	12.675684	8.680024
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM10	15.034406	13.312407
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM10	10.435519	7.176181

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM10	12.930321	11.280106
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM10	1.368704	0.837218
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM10	0.040035	0.035350
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM10	1.435269	0.952438
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM10	1.099044	0.986656
2270003020	Industrial Equipment	Forklifts	Diesel	PM10	7.421712	5.329296
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM10	2.698084	1.879870
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM10	2.919022	2.040829
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM10	0.232001	0.191038
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM10	10.016895	6.517228
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM10	3.629641	2.675847
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM10	0.000676	0.000683
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM10	0.124268	0.098227
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM10	4.642912	3.785912
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM10	1.003439	0.707071
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM10	5.223396	4.514146
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM10	0.559705	0.416291
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM10	0.017777	0.016194
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM10	0.000275	0.000174
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM10	9.098783	6.046451
2270005020	Agricultural Equipment	Combines	Diesel	PM10	0.960639	0.661403
2270005025	Agricultural Equipment	Balers	Diesel	PM10	0.005530	0.004180
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM10	0.001169	0.000916
2270005035	Agricultural Equipment	Sprayers	Diesel	PM10	0.076641	0.052867
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM10	0.000092	0.000066
2270005045	Agricultural Equipment	Swathers	Diesel	PM10	0.079783	0.061617
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM10	0.216045	0.136654
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM10	0.101977	0.068441
2270006005	Commercial Equipment	Generator Sets	Diesel	PM10	12.202457	10.367790
2270006010	Commercial Equipment	Pumps	Diesel	PM10	2.959632	2.520729
2270006015	Commercial Equipment	Air Compressors	Diesel	PM10	7.025955	5.306408
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM10	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM10	7.312136	6.570361
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM10	0.341892	0.284547
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM10	0.312376	0.234142

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM10	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM10	0.028500	0.016106
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM10	0.002702	0.002114
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM10	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM10	0.141422	0.070577
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM10	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	PM10	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM10	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM10	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM10	5.345483	5.253006
2280003000	Marine Vessels	Commercial	Residual Fuel	PM10	1.423609	1.729542
2280004000	Marine Vessels	Commercial	Gasoline	PM10	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM10	8.102002	5.591534
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM10	3.230044	1.803879
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM10	0.185463	0.195053
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM10	0.596440	0.455877
2282020010	Pleasure Craft	Outboards	Diesel	PM10	0.010797	0.009538
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM10	8.618800	8.157700
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM10	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM10	0.036288	0.029989
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM10	0.000141	0.000114
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM10	0.000003	0.000003
Bucks County Total Annual PM10 Emissions					**307.067524**	**268.745055**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NH3	0.014479	0.021680
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NH3	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NH3	0.011636	0.023419
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NH3	0.003069	0.003233
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NH3	0.001233	0.000886
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NH3	0.000069	0.000051
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NH3	0.000083	0.000061

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NH3	0.000001	0.000000
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NH3	0.003165	0.002273
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NH3	0.000016	0.000012
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NH3	0.000067	0.000032
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NH3	0.000005	0.000003
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.000419	0.000352
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.003292	0.002715
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NH3	0.005677	0.004679
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NH3	0.040815	0.033052
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.007859	0.006490
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.031986	0.026357
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NH3	0.005073	0.004180
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NH3	0.031136	0.025452
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NH3	0.001870	0.002145
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NH3	0.007736	0.008873
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NH3	0.000014	0.000011
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NH3	0.000016	0.000013
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NH3	0.001177	0.001045
2260006010	Commercial Equipment	Pumps	2 Stroke	NH3	0.007810	0.007099
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NH3	0.000003	0.000003
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NH3	0.000046	0.000043
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NH3	0.000017	0.000015
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NH3	0.004205	0.006577
2265001030	Recreational Equipment	ATVs	4 Stroke	NH3	0.040119	0.068257
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NH3	0.013510	0.013341
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NH3	0.002521	0.002462
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NH3	0.000690	0.000636
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NH3	0.000005	0.000005
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NH3	0.001246	0.001133
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NH3	0.001209	0.001121
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NH3	0.002432	0.002198
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NH3	0.000995	0.000921
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NH3	0.000051	0.000046
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NH3	0.002119	0.001947
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NH3	0.000704	0.000652

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NH3	0.004348	0.004098
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NH3	0.002189	0.001993
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NH3	0.000173	0.000163
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NH3	0.000283	0.000262
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NH3	0.000274	0.000251
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NH3	0.000670	0.000595
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NH3	0.001441	0.001346
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NH3	0.001032	0.000948
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NH3	0.000344	0.000312
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NH3	0.000235	0.000223
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NH3	0.005824	0.003470
2265003020	Industrial Equipment	Forklifts	4 Stroke	NH3	0.019514	0.011093
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NH3	0.004776	0.002655
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NH3	0.008236	0.004677
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NH3	0.000411	0.000243
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NH3	0.000165	0.000094
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NH3	0.002014	0.001047
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NH3	0.050357	0.052232
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NH3	0.062097	0.063223
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.004295	0.004413
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.032298	0.034231
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.000272	0.000286
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.001488	0.001526
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NH3	0.000524	0.000547
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NH3	0.063986	0.066117
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NH3	0.004802	0.005507
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NH3	0.019863	0.022781
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NH3	0.010280	0.010551
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NH3	0.007230	0.007567
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NH3	0.008750	0.008905
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NH3	0.003756	0.003969
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NH3	0.140171	0.141676
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NH3	0.099893	0.102877
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NH3	0.017129	0.017520
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NH3	0.308285	0.327350

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.004880	0.005067
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.010005	0.010390
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NH3	0.000028	0.000029
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NH3	0.000119	0.000116
2265005020	Agricultural Equipment	Combines	4 Stroke	NH3	0.000001	0.000001
2265005025	Agricultural Equipment	Balers	4 Stroke	NH3	0.000074	0.000078
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NH3	0.000024	0.000024
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NH3	0.000257	0.000262
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NH3	0.000552	0.000579
2265005045	Agricultural Equipment	Swathers	4 Stroke	NH3	0.000117	0.000124
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NH3	0.000172	0.000179
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NH3	0.000208	0.000198
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NH3	0.179240	0.195887
2265006010	Commercial Equipment	Pumps	4 Stroke	NH3	0.043002	0.046996
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NH3	0.023058	0.025538
2265006025	Commercial Equipment	Welders	4 Stroke	NH3	0.049504	0.055668
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NH3	0.077487	0.084751
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NH3	0.003625	0.004038
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NH3	0.000026	0.000029
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NH3	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NH3	0.000001	0.000001
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NH3	0.000655	0.000612
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NH3	0.000000	0.000000
2267002003	Construction and Mining Equipment	Pavers	LPG	NH3	0.000000	0.000000
2267002015	Construction and Mining Equipment	Rollers	LPG	NH3	0.000000	0.000000
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NH3	0.000000	0.000000
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NH3	0.000000	0.000000
2267002030	Construction and Mining Equipment	Trenchers	LPG	NH3	0.000000	0.000000
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NH3	0.000000	0.000000
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NH3	0.000000	0.000000
2267002045	Construction and Mining Equipment	Cranes	LPG	NH3	0.000000	0.000000
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NH3	0.000000	0.000000
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NH3	0.000000	0.000000
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NH3	0.000000	0.000000
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NH3	0.000000	0.000000
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NH3	0.000000	0.000000
2267003010	Industrial Equipment	Aerial Lifts	LPG	NH3	0.000000	0.000000
2267003020	Industrial Equipment	Forklifts	LPG	NH3	0.000000	0.000000
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NH3	0.000000	0.000000
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NH3	0.000000	0.000000
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NH3	0.000000	0.000000
2267003070	Industrial Equipment	Terminal Tractors	LPG	NH3	0.000000	0.000000
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NH3	0.000000	0.000000
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NH3	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NH3	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	NH3	0.000000	0.000000
2267006010	Commercial Equipment	Pumps	LPG	NH3	0.000000	0.000000
2267006015	Commercial Equipment	Air Compressors	LPG	NH3	0.000000	0.000000
2267006025	Commercial Equipment	Welders	LPG	NH3	0.000000	0.000000
2267006030	Commercial Equipment	Pressure Washers	LPG	NH3	0.000000	0.000000
2267006035	Commercial Equipment	Hydro Power Units	LPG	NH3	0.000000	0.000000
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NH3	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NH3	0.000000	0.000000
2268003020	Industrial Equipment	Forklifts	CNG	NH3	0.000000	0.000000
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NH3	0.000000	0.000000
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NH3	0.000000	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NH3	0.000000	0.000000
2268003070	Industrial Equipment	Terminal Tractors	CNG	NH3	0.000000	0.000000
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NH3	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NH3	0.000000	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	NH3	0.000000	0.000000
2268006010	Commercial Equipment	Pumps	CNG	NH3	0.000000	0.000000
2268006015	Commercial Equipment	Air Compressors	CNG	NH3	0.000000	0.000000
2268006020	Commercial Equipment	Gas Compressors	CNG	NH3	0.000000	0.000000
2268006035	Commercial Equipment	Hydro Power Units	CNG	NH3	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NH3	0.000000	0.000000
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NH3	0.001515	0.001816
2270002003	Construction and Mining Equipment	Pavers	Diesel	NH3	0.009196	0.010933
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NH3	0.000037	0.000044

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NH3	0.000248	0.000294
2270002015	Construction and Mining Equipment	Rollers	Diesel	NH3	0.023021	0.027369
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NH3	0.025025	0.029750
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NH3	0.001383	0.001644
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NH3	0.000854	0.001015
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NH3	0.002546	0.003027
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NH3	0.010921	0.012984
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NH3	0.009403	0.011179
2270002036	Construction and Mining Equipment	Excavators	Diesel	NH3	0.093289	0.110905
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NH3	0.000773	0.000919
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NH3	0.000367	0.000436
2270002045	Construction and Mining Equipment	Cranes	Diesel	NH3	0.021294	0.025315
2270002048	Construction and Mining Equipment	Graders	Diesel	NH3	0.023217	0.027602
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NH3	0.079731	0.094787
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NH3	0.003762	0.004472
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NH3	0.029871	0.035512
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NH3	0.101557	0.120734
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NH3	0.061769	0.073433
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NH3	0.092910	0.110455
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NH3	0.042407	0.050414
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NH3	0.010007	0.011896
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NH3	0.000131	0.000156
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NH3	0.009582	0.011391
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NH3	0.003793	0.004623
2270003020	Industrial Equipment	Forklifts	Diesel	NH3	0.054746	0.066725
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NH3	0.023907	0.029139
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NH3	0.024267	0.029577
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NH3	0.000937	0.001142
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NH3	0.067761	0.082588
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NH3	0.034491	0.042039
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NH3	0.000004	0.000005
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NH3	0.000976	0.001317
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NH3	0.025891	0.034962
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NH3	0.005344	0.007217
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NH3	0.035227	0.047569

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NH3	0.004155	0.005611
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NH3	0.000098	0.000133
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NH3	0.000001	0.000001
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NH3	0.045132	0.052809
2270005020	Agricultural Equipment	Combines	Diesel	NH3	0.004052	0.004741
2270005025	Agricultural Equipment	Balers	Diesel	NH3	0.000023	0.000027
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NH3	0.000004	0.000005
2270005035	Agricultural Equipment	Sprayers	Diesel	NH3	0.000344	0.000403
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NH3	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	NH3	0.000318	0.000372
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NH3	0.000882	0.001032
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NH3	0.000648	0.000758
2270006005	Commercial Equipment	Generator Sets	Diesel	NH3	0.072271	0.090444
2270006010	Commercial Equipment	Pumps	Diesel	NH3	0.017048	0.021335
2270006015	Commercial Equipment	Air Compressors	Diesel	NH3	0.047250	0.059131
2270006020	Commercial Equipment	Gas Compressors	Diesel	NH3	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NH3	0.024090	0.030147
2270006030	Commercial Equipment	Pressure Washers	Diesel	NH3	0.002312	0.002893
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NH3	0.002050	0.002565
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NH3	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NH3	0.000287	0.000269
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NH3	0.000021	0.000029
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NH3	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NH3	0.001293	0.001288
2275000000	Aicraft	All Aircraft Types and Operations	Other	NH3	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	NH3	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NH3	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NH3	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NH3	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NH3	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NH3	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NH3	0.069735	0.066822
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NH3	0.027720	0.024993
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NH3	0.032735	0.033218
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NH3	0.013792	0.016533

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2282020010	Pleasure Craft	Outboards	Diesel	NH3	0.000060	0.000072
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NH3	0.000000	0.000000
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NH3	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NH3	0.000145	0.000180
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NH3	0.000014	0.000014
2285006015	Railroad Equipment	Railway Maintenance	LPG	NH3	0.000000	0.000000
Bucks County Total Annual NH3 Emissions					**2.827657**	**3.149995**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	148.331510	217.341320
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	146.249570	307.842560
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	94.424667	105.362782
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	27.084795	22.416241
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	1.305546	0.836009
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	1.566865	1.008465
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.011459	0.007750
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	71.571861	58.070160
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.305443	0.205774
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	1.298383	0.552448
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.103445	0.044015
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	8.141555	5.154375
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	62.118440	42.078802
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	106.198740	68.799835
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	913.714210	823.536000
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	153.204424	88.971712
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	617.402711	450.440899
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	95.612171	60.307952
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	622.619600	502.910310
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	54.614980	62.657116
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	225.898829	259.162877
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.253994	0.179700

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.313326	0.183523
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	22.115107	16.810013
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	155.726030	110.459965
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.057632	0.047317
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.895747	0.733301
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.400206	0.407807
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	64.975601	90.547768
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	585.727780	961.509700
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	605.489620	664.462890
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	81.871805	83.643524
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	23.874067	24.608736
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.188813	0.205324
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	44.088167	45.675490
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	44.745152	45.627055
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	86.322007	91.254010
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	39.127113	41.228100
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	1.991053	2.075232
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	73.173705	74.541055
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	21.558361	21.463133
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	180.702985	187.470720
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	75.581673	77.637132
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	3.024758	2.570064
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	10.611060	11.150233
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	3.948328	2.607442
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	9.466554	4.978731
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	56.905146	60.346497
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	25.174416	24.392733
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	11.768701	12.075633
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	3.319085	2.564507
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	123.710056	77.532621
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	279.650739	111.111568
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	120.213405	63.249333
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	306.679502	193.018223
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	9.457714	6.000174
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	6.317176	4.295083

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	29.040612	5.169314
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	1577.090049	1655.471520
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	2175.085703	2437.138500
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	132.843810	139.052890
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	1059.660500	1201.629400
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	8.856805	9.314270
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	54.016118	63.086496
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	16.929493	17.789310
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	2161.885752	2539.574353
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	163.167764	187.247269
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	674.859264	774.452796
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	370.893826	414.130516
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	279.913004	339.128445
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	302.280983	351.684088
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	121.425207	137.731896
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	4931.438615	5549.908651
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	3764.864559	4610.455062
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	499.991575	528.383748
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	11645.420071	13338.091269
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	160.969720	169.744993
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	329.238006	372.943517
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	1.104109	1.309599
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	2.233256	1.823893
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.010740	0.009703
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	1.015144	0.917333
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.858643	1.000066
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	7.349136	7.980383
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	18.274553	19.983558
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	1.607900	1.452977
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	3.336024	3.404569
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	3.129391	1.640774
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	6324.894430	8046.428830
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	1461.518304	1810.571783
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	726.012498	883.446324
2265006025	Commercial Equipment	Welders	4 Stroke	CO	1823.940707	2297.187453

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	2770.077716	3526.945569
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	140.176510	179.484403
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.875986	1.108171
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.010445	0.013215
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.019008	0.015628
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	29.436999	30.488853
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.896572	0.833643
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.648240	0.512126
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	1.102320	0.714576
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.169131	0.156784
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.111912	0.085230
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	1.983669	1.601158
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.640608	0.635318
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	1.932978	0.988726
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.691649	0.640518
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.115210	0.105608
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	1.256898	1.071836
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	3.149975	2.425855
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.336259	0.234477
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	2.574105	2.294968
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	1.030273	0.970403
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	23.610318	22.870471
2267003020	Industrial Equipment	Forklifts	LPG	CO	2261.757734	1828.105623
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	17.473553	11.312955
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	5.298179	3.874725
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	1.276970	1.226715
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	10.704629	5.928879
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	33.294401	24.192122
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.007645	0.006851
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.006531	0.004134
2267006005	Commercial Equipment	Generator Sets	LPG	CO	68.407173	81.175787
2267006010	Commercial Equipment	Pumps	LPG	CO	16.202752	17.642406
2267006015	Commercial Equipment	Air Compressors	LPG	CO	19.757512	20.254046
2267006025	Commercial Equipment	Welders	LPG	CO	35.653792	36.195438
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.462194	0.516204

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.308373	0.288522
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.003446	0.002878
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.040642	0.038280
2268003020	Industrial Equipment	Forklifts	CNG	CO	164.942830	130.119550
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.197257	0.154644
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.128929	0.098069
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.313025	0.218858
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.753876	0.407061
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.010067	0.004679
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.771762	0.052417
2268006005	Commercial Equipment	Generator Sets	CNG	CO	22.715124	24.361782
2268006010	Commercial Equipment	Pumps	CNG	CO	1.150760	1.164400
2268006015	Commercial Equipment	Air Compressors	CNG	CO	1.666167	1.550462
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	99.708669	11.941682
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	3.421989	0.629236
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	2.757168	2.413233
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	6.583822	4.870294
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.016600	0.017742
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.265857	0.261282
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	18.944716	14.424923
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	17.118642	13.100206
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	1.229070	0.901628
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.927295	0.715778
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	2.420279	1.829900
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	11.373467	8.958442
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	6.832098	5.716184
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	52.554650	40.330031
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.879520	0.676690
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.301725	0.291157
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	9.594594	7.227372
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	12.379690	8.968145
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	53.699845	33.194177
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	2.247056	1.741909
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	28.287714	23.122742

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	72.764518	54.783768
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	88.882651	84.406601
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	62.269561	46.764772
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	77.728817	72.594936
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	9.434902	6.487137
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.222209	0.221260
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	9.039535	6.753582
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	6.269551	6.458466
2270003020	Industrial Equipment	Forklifts	Diesel	CO	38.075262	40.479501
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	11.716069	9.599815
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	12.707349	10.158225
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	1.164382	1.112009
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	44.947033	41.513720
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	16.101900	15.196558
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.003721	0.004245
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.637995	0.581003
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	23.518920	21.377601
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	5.139254	4.459495
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	25.069869	25.024072
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	2.644254	2.194672
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.083908	0.089203
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.001688	0.001564
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	45.254741	34.316591
2270005020	Agricultural Equipment	Combines	Diesel	CO	2.818735	2.640776
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.023525	0.022843
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.005405	0.005296
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.317451	0.272965
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000612	0.000498
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.271173	0.301757
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.898950	0.709571
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.402774	0.339004
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	59.867858	56.883760
2270006010	Commercial Equipment	Pumps	Diesel	CO	13.922377	13.486891
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	31.760289	29.333374
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270006025	Commercial Equipment	Welders	Diesel	CO	47.130206	44.165676
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	1.802736	1.696075
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	1.435027	1.284238
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.132176	0.088868
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.015341	0.013309
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.737366	0.433324
2275000000	Aicraft	All Aircraft Types and Operations	Other	CO	485.035289	503.321119
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	21.483505	22.873488
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	3.709636	4.634078
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	784.969807	663.907920
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	284.068054	258.926901
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	395.344104	356.183195
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	3.414202	4.069595
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.058602	0.051768
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	34.728700	38.810100
2285002010	Railroad Equipment	Yard Locomotives	Diesel	CO	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.204870	0.181607
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.503602	0.571323
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.002451	0.002209
Bucks County Total Annual CO Emissions					**55970.801539**	**62747.875379**

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.591413	1.125614
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.597989	1.562054
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.884676	0.675497
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.270743	0.141221
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.003965	0.009236
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.004798	0.011057
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000041	0.000082
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.648641	0.363363
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.001069	0.002175
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.001991	0.002425
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000159	0.000193
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.011283	0.026602
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.113642	0.306080
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.147165	0.384651
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	5.181275	3.483038
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.225835	0.539995
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	1.548604	3.064068
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.134399	0.345034
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	2.465757	2.857416
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.033528	0.038455
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.177115	0.203137
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000480	0.001322
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.001360	0.003342
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.032330	0.091340
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.256958	0.621758
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000102	0.000242
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.001561	0.003751
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.020061	0.012680
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.835877	1.236722
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	7.546040	11.249640
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	10.167901	8.620495
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.776101	0.801671
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.495456	0.319960
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.002753	0.001980

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.588530	0.394665
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.848892	0.513465
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	1.235965	0.889801
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.513653	0.364572
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.024109	0.016513
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	1.495437	0.953960
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.469890	0.345807
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	2.543371	1.713262
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.960120	0.834849
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.246187	0.174132
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.166241	0.119768
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.424294	0.254035
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	1.049850	0.503747
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.797590	0.575683
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	1.119413	0.749776
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.157248	0.140170
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.366357	0.267445
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	3.012389	1.596146
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	12.717028	4.661653
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	2.264557	0.637908
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	2.000143	0.763408
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.199702	0.103052
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.044288	0.020002
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	1.313376	0.208429
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	10.011003	9.236064
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	17.642206	12.014864
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	0.849555	0.778844
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	8.892930	7.959148
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.057526	0.048228
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.457399	0.351100
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.110391	0.092244
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	30.192992	22.628904
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	0.926440	1.062557
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	4.893944	5.612983
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	2.611318	2.138776

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	2.447162	2.045674
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	2.582007	2.592272
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	1.011503	0.943240
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	35.877195	28.795085
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	34.182085	27.824265
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	10.923795	6.344337
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	119.711866	83.004070
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.983789	0.984486
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	2.656552	2.795305
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.020599	0.016660
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.229349	0.125257
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.001725	0.001497
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.163028	0.141514
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.016834	0.014495
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.265221	0.241266
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.254237	0.299794
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.258223	0.224146
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.308691	0.269123
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.449254	0.188407
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	41.883731	39.703185
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	12.675586	9.889041
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	8.734779	6.399218
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	15.771404	13.195200
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	18.476863	15.327488
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.920952	0.784382
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.057558	0.067515
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000647	0.000507
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.003480	0.001727
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.087228	0.070320
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.224098	0.186567
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.231616	0.128602
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.390189	0.152877
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.061072	0.046626
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.039863	0.020434
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.708944	0.410904

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.233315	0.203291
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.675766	0.180838
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.249593	0.189988
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.041548	0.030997
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.450741	0.290807
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	1.121501	0.580668
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.119148	0.051006
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.926655	0.656630
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.372607	0.293392
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	3.560184	2.813351
2267003020	Industrial Equipment	Forklifts	LPG	NOx	335.563133	181.911715
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	2.560628	0.949538
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.783117	0.357196
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.192289	0.149043
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	1.563702	0.394512
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	7.734160	3.597928
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.003873	0.003141
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.003260	0.001262
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	17.903469	17.273496
2267006010	Commercial Equipment	Pumps	LPG	NOx	4.169343	3.331458
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	5.026483	3.475995
2267006025	Commercial Equipment	Welders	LPG	NOx	6.266834	4.610054
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.082346	0.073480
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.078051	0.043661
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.003781	0.002002
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.014698	0.011585
2268003020	Industrial Equipment	Forklifts	CNG	NOx	24.431633	13.031842
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.029197	0.015371
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.019088	0.009392
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.056929	0.023822
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.110075	0.027386
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.004685	0.002140
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.365692	0.023695
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	5.868168	5.337254
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.294246	0.236377

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.420898	0.277291
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	15.543360	1.599041
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.322037	0.033412
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	2.317360	2.323979
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	18.693458	15.226496
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.041083	0.034464
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.640866	0.539623
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	46.381618	39.323341
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	53.699360	42.924532
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	2.956124	2.477378
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	1.991873	1.791318
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	5.601122	4.972887
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	21.576087	19.842558
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	25.615671	23.454264
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	185.393710	143.343172
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	1.450717	1.362462
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.962408	0.906717
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	50.488242	40.670320
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	47.106055	36.082724
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	174.861049	141.595069
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	8.864357	7.453561
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	59.259987	52.895921
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	227.017524	189.081065
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	137.923533	127.789570
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	199.477274	160.929873
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	88.432462	87.303635
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	24.076740	20.735794
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.284628	0.281903
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	23.380436	19.987586
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	3.701702	3.582176
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	39.064348	33.151019
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	20.710463	17.202664
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	23.587357	19.532595
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	1.090964	0.989247

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	64.202919	60.674002
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	26.726581	20.741874
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.005735	0.006563
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	1.539415	1.636386
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	35.229724	37.828723
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	7.774687	7.566911
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	52.640249	57.492918
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	5.308780	5.349043
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.138158	0.153453
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.003511	0.002533
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	151.919447	132.149429
2270005020	Agricultural Equipment	Combines	Diesel	NOx	15.403120	13.809079
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.066023	0.066169
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.014077	0.012965
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	1.091629	1.056453
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.001795	0.001716
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	1.078518	1.004798
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	3.173512	2.786575
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	1.990418	1.778944
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	77.949223	81.171270
2270006010	Commercial Equipment	Pumps	Diesel	NOx	18.557075	19.231659
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	46.840214	45.593558
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	22.679527	24.215458
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	2.603948	2.698020
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	2.026067	1.971312
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	2.903920	1.718452
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.146153	0.132549
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.871376	0.629278
2275000000	Aicraft	All Aircraft Types and Operations	Other	NOx	10.773394	11.179551
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	2.648284	4.687932
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.741420	1.531023
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	6.010533	7.238121
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	5.680279	6.399107
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.021389	0.022775
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	414.988100	313.731000
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NOx	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	1.209876	1.165919
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.026620	0.019727
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.002989	0.002142
Chester County Total Annual NOx Emissions					**3375.800026**	**2727.407091**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	178.316630	237.181050
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	177.918699	294.549406
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	3.614440	2.879480
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	16.303816	7.031111
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.987914	0.247319
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	1.177016	0.294246
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.008449	0.002534
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	43.536911	17.369040
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.218563	0.059539
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.381426	0.067489
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.030266	0.005299
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	3.198724	1.195819
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	30.399761	8.454076
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	41.260241	11.981452
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	366.059548	158.211235
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	60.993148	19.173532
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	288.471813	80.663644
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	40.018257	13.747484
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	276.610391	93.990610
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	23.764396	27.262651

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	108.472700	124.445349
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.124301	0.031207
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.343001	0.086004
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	8.054908	2.321617
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	55.203807	16.869494
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.019568	0.006437
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.305272	0.099858
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	1.251919	0.633227
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	6.464429	8.649036
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	67.255365	96.878509
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	27.656976	23.603445
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	3.903809	3.400621
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.832591	0.553185
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.007172	0.004995
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	3.269269	1.982650
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	1.347585	0.943684
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	4.593726	2.876377
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	1.678852	1.029675
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.117484	0.065340
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	3.316215	1.931685
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	1.951396	1.244194
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	4.843582	3.613264
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	4.928335	3.560237
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.167545	0.119640
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.437665	0.271377
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.249557	0.148925
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.604891	0.282421
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	1.636569	1.212178
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	1.137899	0.770163
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.700818	0.512742
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.214732	0.157426
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	2.592969	1.299860
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	7.383250	2.682029
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	2.269681	0.719446
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	8.054107	2.485512

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.184867	0.090494
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.114193	0.052793
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.758658	0.099874
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	114.131445	101.683894
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	143.365496	86.379395
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	9.526141	8.471015
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	68.436294	57.613635
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.601804	0.528304
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	2.373329	1.559421
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	1.207888	1.059572
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	47.850905	35.665481
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	9.268710	10.632083
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	15.738454	18.059146
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	11.204838	10.113699
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	5.582475	4.582622
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	9.348686	8.002468
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	8.410765	7.185842
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	134.000522	114.451683
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	75.357414	58.886524
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	11.366119	7.741192
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	276.831087	213.934654
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	6.947794	5.754223
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	18.545317	16.207214
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.048539	0.038626
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.157840	0.090415
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.001081	0.000953
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.109532	0.097188
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.050721	0.037917
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.726408	0.592973
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	1.463148	1.395109
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.163118	0.143906
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.273267	0.227822
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.287715	0.117336
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	155.085758	131.578555
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	45.617119	28.467141

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	18.458508	12.632208
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	29.013739	25.497237
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	80.350272	59.664287
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	2.843089	2.219336
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.224653	0.193207
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.003838	0.002169
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.003430	0.001725
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.193597	0.149016
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.060715	0.051263
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.063135	0.036043
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.107110	0.042891
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.016516	0.012918
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.010891	0.005741
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.193209	0.115246
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.062691	0.055606
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.187250	0.049552
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.067530	0.052692
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.011247	0.008608
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.122526	0.081438
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.306518	0.164370
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.032682	0.014437
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.251172	0.182500
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.100647	0.081103
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.958995	0.777336
2267003020	Industrial Equipment	Forklifts	LPG	VOC	91.495220	51.385373
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.704703	0.265612
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.214128	0.100562
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.051850	0.041318
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.431376	0.108982
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	2.115376	1.016368
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.001052	0.000866
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000896	0.000359
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	3.635514	3.553988
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.857383	0.691159
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	1.042483	0.725160

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267006025	Commercial Equipment	Welders	LPG	VOC	1.687491	1.285149
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.021951	0.020148
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.016250	0.008924
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.001029	0.000564
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000234	0.000189
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.393115	0.217315
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000470	0.000257
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000307	0.000157
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.000919	0.000395
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.001790	0.000447
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000080	0.000037
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.006160	0.000412
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.070921	0.065291
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.003584	0.002910
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.005173	0.003440
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.270226	0.016091
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.005383	0.000416
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.740917	0.632075
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	1.802748	1.258596
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.006680	0.005350
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.111999	0.083705
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	5.110183	3.410199
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	3.749591	2.485248
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.329456	0.228339
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.227299	0.155087
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	1.104823	0.670849
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	3.042681	1.980571
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	2.385728	1.975862
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	14.795267	10.823136
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.245117	0.145697
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.114730	0.102360
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	3.854205	2.775133
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	3.683845	2.723718
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	12.751179	7.886296

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.785709	0.548696
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	7.348035	5.115639
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	18.390920	13.516956
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	31.748175	27.037230
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	15.980219	11.028553
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	30.652032	24.642753
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	2.162046	1.365352
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.093159	0.081677
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	2.017467	1.463273
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	1.091557	0.982568
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	3.853077	2.806778
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	1.992846	1.391070
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	2.157227	1.595599
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.203043	0.179470
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	8.700800	5.413485
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	2.110999	1.695806
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.001156	0.001137
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.147818	0.133822
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	6.943806	5.150185
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	1.537801	1.066482
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	5.952296	5.571049
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.717695	0.448705
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.022109	0.020378
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000630	0.000411
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	18.866916	12.948452
2270005020	Agricultural Equipment	Combines	Diesel	VOC	1.374040	1.201637
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.013909	0.010746
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.002239	0.001793
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.200433	0.145706
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000207	0.000162
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.123707	0.114611
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.420586	0.293292
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.258884	0.175388
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	11.830360	10.221658
2270006010	Commercial Equipment	Pumps	Diesel	VOC	2.601434	2.292191

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	5.864064	4.413524
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	8.927153	7.494845
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.371867	0.334485
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.273165	0.195665
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.211164	0.130824
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.012324	0.009814
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.071434	0.039852
2275000000	Aicraft	All Aircraft Types and Operations	Other	VOC	9.148550	9.493450
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	121.955410	90.536166
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	42.281802	25.092450
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	8.084236	7.960253
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.212512	0.232059
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.005339	0.004235
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	17.936400	17.608200
2285002010	Railroad Equipment	Yard Locomotives	Diesel	VOC	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.234694	0.207633
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.071301	0.048473
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000808	0.000597
Chester County Total Annual VOC Emissions					**3746.500838**	**2712.812268**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	SO2	0.114479	0.042810
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	SO2	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	SO2	0.071003	0.041530
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	SO2	0.047158	0.011275
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	SO2	0.017545	0.003539
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	SO2	0.000948	0.000230
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	SO2	0.001131	0.000275

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	SO2	0.000008	0.000002
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	SO2	0.043716	0.009122
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	SO2	0.000219	0.000054
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	SO2	0.000393	0.000060
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	SO2	0.000031	0.000005
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.002826	0.000717
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.029115	0.007864
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	SO2	0.038809	0.009892
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	SO2	0.367284	0.087301
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.052728	0.013726
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.287525	0.076576
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	SO2	0.034470	0.008841
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	SO2	0.282360	0.071473
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	SO2	0.008430	0.002167
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	SO2	0.044534	0.011446
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	SO2	0.000122	0.000033
2260005035	Agricultural Equipment	Sprayers	2 Stroke	SO2	0.000304	0.000083
2260006005	Commercial Equipment	Generator Sets	2 Stroke	SO2	0.007773	0.002276
2260006010	Commercial Equipment	Pumps	2 Stroke	SO2	0.050233	0.015222
2260006015	Commercial Equipment	Air Compressors	2 Stroke	SO2	0.000020	0.000006
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	SO2	0.000314	0.000092
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	SO2	0.001259	0.000319
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	SO2	0.064185	0.022539
2265001030	Recreational Equipment	ATVs	4 Stroke	SO2	0.613779	0.235042
2265001050	Recreational Equipment	Golf Carts	4 Stroke	SO2	0.466210	0.103918
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	SO2	0.038401	0.008459
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	SO2	0.015235	0.003185
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	SO2	0.000116	0.000024
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	SO2	0.026301	0.005540
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	SO2	0.026785	0.005616
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	SO2	0.052782	0.010912
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	SO2	0.021647	0.004582
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	SO2	0.001080	0.000230
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	SO2	0.046237	0.009714
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	SO2	0.014853	0.003180

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	SO2	0.096215	0.020484
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	SO2	0.047332	0.009798
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	SO2	0.003872	0.000821
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	SO2	0.006173	0.001306
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	SO2	0.006126	0.001269
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	SO2	0.014991	0.003016
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	SO2	0.031875	0.006731
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	SO2	0.022941	0.004764
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	SO2	0.007512	0.001549
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	SO2	0.005261	0.001125
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	SO2	0.053865	0.007230
2265003020	Industrial Equipment	Forklifts	4 Stroke	SO2	0.181274	0.023281
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	SO2	0.043957	0.005554
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	SO2	0.072655	0.009612
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	SO2	0.003798	0.000507
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	SO2	0.001868	0.000241
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	SO2	0.018708	0.002214
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	SO2	0.518920	0.116769
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	SO2	0.827566	0.199409
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.044200	0.009836
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.433532	0.105591
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.002807	0.000641
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.020547	0.004877
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	SO2	0.005385	0.001225
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	SO2	0.922968	0.216092
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	SO2	0.054612	0.014042
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	SO2	0.288490	0.074177
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	SO2	0.113915	0.025104
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	SO2	0.104354	0.024718
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	SO2	0.125791	0.028993
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	SO2	0.050318	0.012217
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	SO2	1.551600	0.337094
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	SO2	1.440788	0.336044
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	SO2	0.248577	0.057541
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	SO2	4.414598	1.064127

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.051891	0.011656
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.138519	0.032806
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	SO2	0.000880	0.000201
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	SO2	0.003743	0.000831
2265005020	Agricultural Equipment	Combines	4 Stroke	SO2	0.000025	0.000006
2265005025	Agricultural Equipment	Balers	4 Stroke	SO2	0.002336	0.000555
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	SO2	0.000756	0.000169
2265005035	Agricultural Equipment	Sprayers	4 Stroke	SO2	0.007899	0.001828
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	SO2	0.017147	0.004044
2265005045	Agricultural Equipment	Swathers	4 Stroke	SO2	0.003700	0.000879
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	SO2	0.005411	0.001266
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	SO2	0.006565	0.001415
2265006005	Commercial Equipment	Generator Sets	4 Stroke	SO2	1.900000	0.471769
2265006010	Commercial Equipment	Pumps	4 Stroke	SO2	0.445379	0.112874
2265006015	Commercial Equipment	Air Compressors	4 Stroke	SO2	0.243154	0.061706
2265006025	Commercial Equipment	Welders	4 Stroke	SO2	0.529901	0.134818
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	SO2	0.805155	0.202442
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	SO2	0.038320	0.009739
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	SO2	0.002959	0.000752
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	SO2	0.000029	0.000008
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	SO2	0.000060	0.000013
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	SO2	0.004017	0.000848
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	SO2	0.000243	0.000244
2267002003	Construction and Mining Equipment	Pavers	LPG	SO2	0.000251	0.000253
2267002015	Construction and Mining Equipment	Rollers	LPG	SO2	0.000423	0.000411
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	SO2	0.000066	0.000070
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	SO2	0.000043	0.000043
2267002030	Construction and Mining Equipment	Trenchers	LPG	SO2	0.000769	0.000779
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	SO2	0.000254	0.000274
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	SO2	0.000731	0.000693
2267002045	Construction and Mining Equipment	Cranes	LPG	SO2	0.000271	0.000286
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	SO2	0.000045	0.000047
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	SO2	0.000489	0.000503
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	SO2	0.001216	0.001215
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	SO2	0.000129	0.000126

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	SO2	0.001006	0.001050
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	SO2	0.000405	0.000430
2267003010	Industrial Equipment	Aerial Lifts	LPG	SO2	0.003870	0.004299
2267003020	Industrial Equipment	Forklifts	LPG	SO2	0.364055	0.383379
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	SO2	0.002774	0.002820
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	SO2	0.000849	0.000879
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	SO2	0.000209	0.000231
2267003070	Industrial Equipment	Terminal Tractors	LPG	SO2	0.001693	0.001676
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	SO2	0.008387	0.008300
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	SO2	0.000004	0.000004
2267005060	Agricultural Equipment	Irrigation Sets	LPG	SO2	0.000004	0.000003
2267006005	Commercial Equipment	Generator Sets	LPG	SO2	0.019574	0.025761
2267006010	Commercial Equipment	Pumps	LPG	SO2	0.004549	0.005820
2267006015	Commercial Equipment	Air Compressors	LPG	SO2	0.005477	0.006877
2267006025	Commercial Equipment	Welders	LPG	SO2	0.006813	0.008571
2267006030	Commercial Equipment	Pressure Washers	LPG	SO2	0.000090	0.000116
2267006035	Commercial Equipment	Hydro Power Units	LPG	SO2	0.000085	0.000104
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	SO2	0.000004	0.000005
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	SO2	0.000014	0.000015
2268003020	Industrial Equipment	Forklifts	CNG	SO2	0.022369	0.024595
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	SO2	0.000027	0.000029
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	SO2	0.000017	0.000019
2268003060	Industrial Equipment	AC\Refrigeration	CNG	SO2	0.000052	0.000057
2268003070	Industrial Equipment	Terminal Tractors	CNG	SO2	0.000100	0.000108
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	SO2	0.000004	0.000002
2268005060	Agricultural Equipment	Irrigation Sets	CNG	SO2	0.000329	0.000021
2268006005	Commercial Equipment	Generator Sets	CNG	SO2	0.005661	0.006782
2268006010	Commercial Equipment	Pumps	CNG	SO2	0.000283	0.000336
2268006015	Commercial Equipment	Air Compressors	CNG	SO2	0.000404	0.000472
2268006020	Commercial Equipment	Gas Compressors	CNG	SO2	0.013798	0.016504
2268006035	Commercial Equipment	Hydro Power Units	CNG	SO2	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	SO2	0.000291	0.000274
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	SO2	0.258262	0.047356
2270002003	Construction and Mining Equipment	Pavers	Diesel	SO2	2.279312	0.413619
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	SO2	0.009127	0.001656

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	SO2	0.061100	0.011104
2270002015	Construction and Mining Equipment	Rollers	Diesel	SO2	5.703360	1.035261
2270002018	Construction and Mining Equipment	Scrapers	Diesel	SO2	6.207380	1.126150
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	SO2	0.342519	0.062175
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	SO2	0.211451	0.038393
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	SO2	0.628545	0.114318
2270002030	Construction and Mining Equipment	Trenchers	Diesel	SO2	2.703012	0.490886
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	SO2	2.328239	0.422470
2270002036	Construction and Mining Equipment	Excavators	Diesel	SO2	23.136778	4.197120
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	SO2	0.191140	0.034732
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	SO2	0.090802	0.016477
2270002045	Construction and Mining Equipment	Cranes	Diesel	SO2	5.279131	0.957830
2270002048	Construction and Mining Equipment	Graders	Diesel	SO2	5.758185	1.044544
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	SO2	19.773649	3.588000
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	SO2	0.932178	0.169175
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	SO2	7.397263	1.342842
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	SO2	25.177511	4.567958
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	SO2	15.226055	2.766131
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	SO2	23.037483	4.179908
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	SO2	10.415587	1.895105
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	SO2	2.479357	0.450078
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	SO2	0.032149	0.005845
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	SO2	2.374254	0.430857
2270003010	Industrial Equipment	Aerial Lifts	Diesel	SO2	0.387166	0.072155
2270003020	Industrial Equipment	Forklifts	Diesel	SO2	5.639044	1.048870
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	SO2	2.461222	0.457929
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	SO2	2.497652	0.464695
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	SO2	0.095933	0.017867
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	SO2	8.599947	1.601091
2270003070	Industrial Equipment	Terminal Tractors	Diesel	SO2	3.554096	0.660865
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	SO2	0.000605	0.000125
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	SO2	0.157807	0.032525
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	SO2	4.175604	0.862220
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	SO2	0.861443	0.177968
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	SO2	5.696043	1.174045

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	SO2	0.671774	0.138611
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	SO2	0.015889	0.003277
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	SO2	0.000356	0.000064
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	SO2	15.764640	2.817690
2270005020	Agricultural Equipment	Combines	Diesel	SO2	1.416591	0.252926
2270005025	Agricultural Equipment	Balers	Diesel	SO2	0.007907	0.001414
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	SO2	0.001561	0.000279
2270005035	Agricultural Equipment	Sprayers	Diesel	SO2	0.119939	0.021450
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	SO2	0.000192	0.000034
2270005045	Agricultural Equipment	Swathers	Diesel	SO2	0.111162	0.019846
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	SO2	0.307825	0.055032
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	SO2	0.226275	0.040441
2270006005	Commercial Equipment	Generator Sets	Diesel	SO2	8.648226	1.652716
2270006010	Commercial Equipment	Pumps	Diesel	SO2	2.040831	0.389936
2270006015	Commercial Equipment	Air Compressors	Diesel	SO2	5.662039	1.081993
2270006020	Commercial Equipment	Gas Compressors	Diesel	SO2	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	SO2	2.861499	0.548245
2270006030	Commercial Equipment	Pressure Washers	Diesel	SO2	0.276666	0.052862
2270006035	Commercial Equipment	Hydro Power Units	Diesel	SO2	0.245548	0.046936
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	SO2	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	SO2	0.372847	0.053456
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	SO2	0.016254	0.003328
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	SO2	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	SO2	0.088949	0.013523
2275000000	Aicraft	All Aircraft Types and Operations	Other	SO2	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	SO2	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	SO2	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	SO2	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	SO2	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	SO2	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	SO2	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	SO2	0.219362	0.051236
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	SO2	0.088590	0.019877
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	SO2	0.133641	0.030472
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	SO2	0.722934	0.133997

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2282020010	Pleasure Craft	Outboards	Diesel	SO2	0.003108	0.000578
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	SO2	27.788200	31.053300
2285002010	Railroad Equipment	Yard Locomotives	Diesel	SO2	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	SO2	0.121283	0.022952
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	SO2	0.001048	0.000229
2285006015	Railroad Equipment	Railway Maintenance	LPG	SO2	0.000003	0.000003
Chester County Total Annual SO2 Emissions					**283.451245**	**79.600032**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM2.5	6.094085	8.074638
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM2.5	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM2.5	6.007147	9.847848
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM2.5	0.024849	0.021374
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM2.5	0.926097	0.944203
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM2.5	0.039861	0.033357
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM2.5	0.047957	0.040203
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM2.5	0.000360	0.000309
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM2.5	2.444091	2.461490
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM2.5	0.009588	0.008198
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM2.5	0.017053	0.009143
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM2.5	0.001359	0.000728
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	0.111570	0.103163
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	1.170053	1.115195
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM2.5	1.554742	1.388870
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM2.5	20.252064	22.728743
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	2.128435	1.999648
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	12.154790	11.865217
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM2.5	1.388778	1.253911
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM2.5	13.021123	13.491159
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM2.5	0.675412	0.774870
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM2.5	3.567705	4.093067
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM2.5	0.005020	0.004695
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM2.5	0.012762	0.012305
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM2.5	0.325044	0.328924
2260006010	Commercial Equipment	Pumps	2 Stroke	PM2.5	2.273477	2.432917
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM2.5	0.000880	0.000912
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM2.5	0.013661	0.014140

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM2.5	0.072169	0.091081
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM2.5	0.085790	0.134632
2265001030	Recreational Equipment	ATVs	4 Stroke	PM2.5	0.773483	1.318937
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM2.5	0.273647	0.249503
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM2.5	0.019331	0.018610
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM2.5	0.008309	0.006945
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM2.5	0.000064	0.000051
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM2.5	0.023423	0.015993
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM2.5	0.014323	0.012617
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM2.5	0.035303	0.025877
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM2.5	0.014805	0.010920
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM2.5	0.000897	0.000586
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM2.5	0.029486	0.022246
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM2.5	0.012953	0.009129
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM2.5	0.054235	0.048110
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM2.5	0.032609	0.026129
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM2.5	0.001500	0.001469
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM2.5	0.003998	0.003024
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM2.5	0.002227	0.002258
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM2.5	0.005428	0.005535
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM2.5	0.017591	0.015073
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM2.5	0.010306	0.009199
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM2.5	0.004346	0.003646
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM2.5	0.001895	0.001925
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM2.5	0.022974	0.013433
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM2.5	0.066401	0.042447
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM2.5	0.021235	0.011770
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM2.5	0.063092	0.025064
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM2.5	0.001679	0.000959
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM2.5	0.001053	0.000534
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM2.5	0.006886	0.004389
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM2.5	0.563260	0.486393
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM2.5	0.967182	0.654604
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.042081	0.042356
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.530308	0.420404

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.002944	0.002626
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.018387	0.014034
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.005786	0.005102
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.499770	0.468135
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM2.5	0.020592	0.023632
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM2.5	0.108764	0.124824
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.058170	0.053502
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.057228	0.053819
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM2.5	0.065356	0.063205
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM2.5	0.066982	0.049390
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM2.5	0.806152	0.720557
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM2.5	0.802705	0.731396
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM2.5	0.118243	0.120957
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM2.5	2.609792	2.527524
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.051483	0.036919
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.137047	0.103689
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM2.5	0.000497	0.000448
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM2.5	0.001492	0.001581
2265005020	Agricultural Equipment	Combines	4 Stroke	PM2.5	0.000009	0.000010
2265005025	Agricultural Equipment	Balers	4 Stroke	PM2.5	0.000827	0.000924
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM2.5	0.000407	0.000365
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM2.5	0.004838	0.004445
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM2.5	0.006496	0.007418
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM2.5	0.001310	0.001464
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM2.5	0.002191	0.002287
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM2.5	0.002526	0.002708
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM2.5	1.067771	1.070231
2265006010	Commercial Equipment	Pumps	4 Stroke	PM2.5	0.355171	0.273651
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM2.5	0.158718	0.141611
2265006025	Commercial Equipment	Welders	4 Stroke	PM2.5	0.287603	0.297223
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM2.5	0.611669	0.521291
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM2.5	0.024891	0.022682
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM2.5	0.001502	0.001643
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM2.5	0.000030	0.000021
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM2.5	0.000030	0.000027

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM2.5	0.002352	0.002035
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM2.5	0.001050	0.001107
2267002003	Construction and Mining Equipment	Pavers	LPG	PM2.5	0.001092	0.001251
2267002015	Construction and Mining Equipment	Rollers	LPG	PM2.5	0.001852	0.002123
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM2.5	0.000286	0.000327
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM2.5	0.000188	0.000216
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM2.5	0.003341	0.003830
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM2.5	0.001084	0.001243
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM2.5	0.003238	0.003711
2267002045	Construction and Mining Equipment	Cranes	LPG	PM2.5	0.001168	0.001339
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM2.5	0.000195	0.000223
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM2.5	0.002119	0.002429
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM2.5	0.005301	0.006076
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM2.5	0.000565	0.000648
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM2.5	0.004344	0.004979
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM2.5	0.001741	0.001995
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM2.5	0.016585	0.020111
2267003020	Industrial Equipment	Forklifts	LPG	PM2.5	1.582378	1.914698
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM2.5	0.012188	0.014742
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM2.5	0.003703	0.004480
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM2.5	0.000897	0.001087
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM2.5	0.007460	0.009023
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM2.5	0.036585	0.042048
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM2.5	0.000018	0.000018
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM2.5	0.000015	0.000015
2267006005	Commercial Equipment	Generator Sets	LPG	PM2.5	0.081737	0.116548
2267006010	Commercial Equipment	Pumps	LPG	PM2.5	0.019277	0.027463
2267006015	Commercial Equipment	Air Compressors	LPG	PM2.5	0.023438	0.033373
2267006025	Commercial Equipment	Welders	LPG	PM2.5	0.029185	0.041554
2267006030	Commercial Equipment	Pressure Washers	LPG	PM2.5	0.000380	0.000541
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM2.5	0.000365	0.000520
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM2.5	0.000018	0.000024
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM2.5	0.000069	0.000079
2268003020	Industrial Equipment	Forklifts	CNG	PM2.5	0.115351	0.135042
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM2.5	0.000138	0.000161

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM2.5	0.000090	0.000106
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM2.5	0.000270	0.000316
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM2.5	0.000525	0.000615
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM2.5	0.000023	0.000011
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM2.5	0.001808	0.000123
2268006005	Commercial Equipment	Generator Sets	CNG	PM2.5	0.027051	0.033686
2268006010	Commercial Equipment	Pumps	CNG	PM2.5	0.001367	0.001700
2268006015	Commercial Equipment	Air Compressors	CNG	PM2.5	0.001973	0.002454
2268006020	Commercial Equipment	Gas Compressors	CNG	PM2.5	0.079292	0.098427
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM2.5	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM2.5	0.001580	0.001573
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM2.5	0.400575	0.337414
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM2.5	1.684981	1.180442
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM2.5	0.004628	0.003308
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM2.5	0.075793	0.056204
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM2.5	4.721402	3.325313
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM2.5	3.782142	2.438122
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM2.5	0.297910	0.211193
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM2.5	0.210569	0.143608
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM2.5	0.666833	0.432227
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM2.5	2.769135	1.967239
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM2.5	1.950034	1.443036
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM2.5	14.095030	10.014862
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM2.5	0.211691	0.149174
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM2.5	0.085543	0.071362
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM2.5	3.077498	1.928202
2270002048	Construction and Mining Equipment	Graders	Diesel	PM2.5	3.363533	2.390536
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM2.5	11.119554	6.651062
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM2.5	0.643980	0.413811
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM2.5	7.077157	5.142876
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM2.5	17.719076	12.133626
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM2.5	21.016284	18.609137
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM2.5	14.587596	10.031435
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM2.5	18.075028	15.768227
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM2.5	1.913282	1.170330

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM2.5	0.055964	0.049415
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM2.5	2.006333	1.331393
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM2.5	0.638186	0.572926
2270003020	Industrial Equipment	Forklifts	Diesel	PM2.5	4.309597	3.094585
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM2.5	1.566708	1.091592
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM2.5	1.695001	1.185057
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM2.5	0.134717	0.110931
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM2.5	7.176844	4.669424
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM2.5	2.107639	1.553795
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM2.5	0.000617	0.000624
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM2.5	0.113449	0.089675
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM2.5	4.238706	3.456315
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM2.5	0.916081	0.645514
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM2.5	4.768653	4.121149
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM2.5	0.510978	0.380049
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM2.5	0.016229	0.014785
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM2.5	0.000542	0.000343
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM2.5	17.955875	11.932290
2270005020	Agricultural Equipment	Combines	Diesel	PM2.5	1.895760	1.305237
2270005025	Agricultural Equipment	Balers	Diesel	PM2.5	0.010913	0.008249
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM2.5	0.002307	0.001808
2270005035	Agricultural Equipment	Sprayers	Diesel	PM2.5	0.151246	0.104330
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM2.5	0.000182	0.000130
2270005045	Agricultural Equipment	Swathers	Diesel	PM2.5	0.157446	0.121598
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM2.5	0.426351	0.269678
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM2.5	0.201246	0.135065
2270006005	Commercial Equipment	Generator Sets	Diesel	PM2.5	8.255629	7.014377
2270006010	Commercial Equipment	Pumps	Diesel	PM2.5	2.002353	1.705411
2270006015	Commercial Equipment	Air Compressors	Diesel	PM2.5	4.753442	3.590075
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM2.5	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM2.5	4.947060	4.445209
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM2.5	0.231308	0.192511
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM2.5	0.211339	0.158410
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM2.5	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM2.5	0.208954	0.118082

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM2.5	0.011572	0.009054
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM2.5	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM2.5	0.054872	0.027384
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM2.5	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	PM2.5	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM2.5	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM2.5	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM2.5	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	PM2.5	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	PM2.5	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM2.5	1.961537	1.353740
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM2.5	0.782011	0.436729
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM2.5	0.044902	0.047223
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM2.5	0.152249	0.116369
2282020010	Pleasure Craft	Outboards	Diesel	PM2.5	0.002756	0.002435
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM2.5	10.990500	10.402500
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM2.5	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM2.5	0.171665	0.141868
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM2.5	0.000634	0.000512
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM2.5	0.000014	0.000016
Chester County Total Annual PM2.5 Emissions					**303.472920**	**258.789086**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM10	6.624006	8.776780
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM10	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM10	6.529508	10.704183
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM10	0.027009	0.023232
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM10	1.006627	1.026308
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM10	0.043327	0.036258
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM10	0.052127	0.043699
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM10	0.000392	0.000336
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM10	2.656620	2.675533
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM10	0.010422	0.008911
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM10	0.018536	0.009938
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM10	0.001477	0.000792
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM10	0.121272	0.112133
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM10	1.271797	1.212168

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM10	1.689937	1.509641
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM10	22.013113	24.705156
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	2.313516	2.173531
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	13.211728	12.896975
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM10	1.509542	1.362947
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM10	14.153395	14.664304
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM10	0.734144	0.842250
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM10	3.877940	4.448986
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM10	0.005456	0.005103
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM10	0.013872	0.013375
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM10	0.353309	0.357526
2260006010	Commercial Equipment	Pumps	2 Stroke	PM10	2.471171	2.644475
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM10	0.000957	0.000992
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM10	0.014849	0.015369
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM10	0.078444	0.099001
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM10	0.093250	0.146339
2265001030	Recreational Equipment	ATVs	4 Stroke	PM10	0.840742	1.433628
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM10	0.297442	0.271199
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM10	0.021012	0.020229
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM10	0.009031	0.007549
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM10	0.000069	0.000055
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM10	0.025460	0.017384
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM10	0.015569	0.013714
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM10	0.038373	0.028127
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM10	0.016092	0.011869
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM10	0.000975	0.000636
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM10	0.032050	0.024181
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM10	0.014079	0.009923
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM10	0.058951	0.052293
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM10	0.035445	0.028401
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM10	0.001631	0.001596
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM10	0.004346	0.003287
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM10	0.002420	0.002454
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM10	0.005900	0.006016
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM10	0.019121	0.016383

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM10	0.011202	0.009999
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM10	0.004724	0.003963
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM10	0.002059	0.002092
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM10	0.024972	0.014601
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM10	0.072175	0.046138
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM10	0.023081	0.012793
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM10	0.068578	0.027244
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM10	0.001825	0.001042
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM10	0.001144	0.000580
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM10	0.007485	0.004770
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM10	0.612239	0.528688
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM10	1.051285	0.711526
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.045740	0.046039
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.576422	0.456961
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.003199	0.002854
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.019986	0.015254
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM10	0.006289	0.005545
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM10	0.543228	0.508843
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM10	0.022382	0.025687
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM10	0.118222	0.135678
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM10	0.063228	0.058154
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM10	0.062204	0.058498
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM10	0.071040	0.068701
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM10	0.072807	0.053684
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM10	0.876252	0.783214
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM10	0.872506	0.794996
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM10	0.128525	0.131475
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM10	2.836731	2.747308
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.055960	0.040129
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.148965	0.112705
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM10	0.000540	0.000486
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM10	0.001622	0.001718
2265005020	Agricultural Equipment	Combines	4 Stroke	PM10	0.000010	0.000011
2265005025	Agricultural Equipment	Balers	4 Stroke	PM10	0.000899	0.001004
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM10	0.000442	0.000397

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM10	0.005259	0.004832
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM10	0.007061	0.008063
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM10	0.001424	0.001591
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM10	0.002381	0.002486
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM10	0.002746	0.002944
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM10	1.160621	1.163295
2265006010	Commercial Equipment	Pumps	4 Stroke	PM10	0.386055	0.297447
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM10	0.172520	0.153925
2265006025	Commercial Equipment	Welders	4 Stroke	PM10	0.312612	0.323069
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM10	0.664857	0.566620
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM10	0.027056	0.024654
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM10	0.001633	0.001786
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM10	0.000032	0.000023
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM10	0.000032	0.000029
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM10	0.002557	0.002212
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM10	0.001050	0.001107
2267002003	Construction and Mining Equipment	Pavers	LPG	PM10	0.001092	0.001251
2267002015	Construction and Mining Equipment	Rollers	LPG	PM10	0.001852	0.002123
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM10	0.000286	0.000327
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM10	0.000188	0.000216
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM10	0.003341	0.003830
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM10	0.001084	0.001243
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM10	0.003238	0.003711
2267002045	Construction and Mining Equipment	Cranes	LPG	PM10	0.001168	0.001339
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM10	0.000195	0.000223
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM10	0.002119	0.002429
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM10	0.005301	0.006076
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM10	0.000565	0.000648
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM10	0.004344	0.004979
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM10	0.001741	0.001995
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM10	0.016585	0.020111
2267003020	Industrial Equipment	Forklifts	LPG	PM10	1.582378	1.914698
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM10	0.012188	0.014742
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM10	0.003703	0.004480
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM10	0.000897	0.001087

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM10	0.007460	0.009023
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM10	0.036585	0.042048
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM10	0.000018	0.000018
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM10	0.000015	0.000015
2267006005	Commercial Equipment	Generator Sets	LPG	PM10	0.081737	0.116548
2267006010	Commercial Equipment	Pumps	LPG	PM10	0.019277	0.027463
2267006015	Commercial Equipment	Air Compressors	LPG	PM10	0.023438	0.033373
2267006025	Commercial Equipment	Welders	LPG	PM10	0.029185	0.041554
2267006030	Commercial Equipment	Pressure Washers	LPG	PM10	0.000380	0.000541
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM10	0.000365	0.000520
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM10	0.000018	0.000024
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM10	0.000069	0.000079
2268003020	Industrial Equipment	Forklifts	CNG	PM10	0.115351	0.135042
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM10	0.000138	0.000161
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM10	0.000090	0.000106
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM10	0.000270	0.000316
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM10	0.000525	0.000615
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM10	0.000023	0.000011
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM10	0.001808	0.000123
2268006005	Commercial Equipment	Generator Sets	CNG	PM10	0.027051	0.033686
2268006010	Commercial Equipment	Pumps	CNG	PM10	0.001367	0.001700
2268006015	Commercial Equipment	Air Compressors	CNG	PM10	0.001973	0.002454
2268006020	Commercial Equipment	Gas Compressors	CNG	PM10	0.079292	0.098427
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM10	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM10	0.001580	0.001573
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM10	0.412964	0.347849
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM10	1.737094	1.216951
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM10	0.004772	0.003410
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM10	0.078137	0.057942
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM10	4.867425	3.428157
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM10	3.899115	2.513528
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM10	0.307123	0.217725
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM10	0.217082	0.148049
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM10	0.687457	0.445595
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM10	2.854779	2.028081

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM10	2.010345	1.487666
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM10	14.530959	10.324600
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM10	0.218238	0.153788
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM10	0.088189	0.073569
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM10	3.172678	1.987837
2270002048	Construction and Mining Equipment	Graders	Diesel	PM10	3.467560	2.464470
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM10	11.463458	6.856765
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM10	0.663897	0.426609
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM10	7.296038	5.301934
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM10	18.267088	12.508893
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM10	21.666272	19.184678
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM10	15.038759	10.341686
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM10	18.634049	16.255905
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM10	1.972456	1.206525
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM10	0.057695	0.050943
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM10	2.068385	1.372570
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM10	0.657924	0.590645
2270003020	Industrial Equipment	Forklifts	Diesel	PM10	4.442883	3.190294
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM10	1.615163	1.125353
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM10	1.747424	1.221708
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM10	0.138884	0.114362
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM10	7.398809	4.813839
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM10	2.172824	1.601851
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM10	0.000636	0.000643
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM10	0.116958	0.092449
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM10	4.369800	3.563211
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM10	0.944413	0.665478
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM10	4.916137	4.248608
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM10	0.526781	0.391803
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM10	0.016731	0.015242
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM10	0.000559	0.000353
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM10	18.511211	12.301330
2270005020	Agricultural Equipment	Combines	Diesel	PM10	1.954392	1.345605
2270005025	Agricultural Equipment	Balers	Diesel	PM10	0.011251	0.008504
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM10	0.002379	0.001864

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005035	Agricultural Equipment	Sprayers	Diesel	PM10	0.155923	0.107557
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM10	0.000188	0.000134
2270005045	Agricultural Equipment	Swathers	Diesel	PM10	0.162316	0.125359
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM10	0.439537	0.278018
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM10	0.207470	0.139242
2270006005	Commercial Equipment	Generator Sets	Diesel	PM10	8.510958	7.231317
2270006010	Commercial Equipment	Pumps	Diesel	PM10	2.064281	1.758156
2270006015	Commercial Equipment	Air Compressors	Diesel	PM10	4.900456	3.701108
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM10	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM10	5.100062	4.582689
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM10	0.238462	0.198465
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM10	0.217876	0.163309
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM10	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM10	0.215417	0.121734
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM10	0.011930	0.009334
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM10	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM10	0.056569	0.028231
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM10	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	PM10	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM10	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM10	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM10	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	PM10	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	PM10	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM10	2.132106	1.471456
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM10	0.850012	0.474705
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM10	0.048806	0.051330
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM10	0.156958	0.119968
2282020010	Pleasure Craft	Outboards	Diesel	PM10	0.002841	0.002510
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM10	11.342100	10.735300
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM10	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM10	0.176974	0.146255
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM10	0.000689	0.000556
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM10	0.000014	0.000016
Chester County Total Annual PM10 Emissions					**317.781711**	**272.108571**

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NH3	0.014479	0.021680
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NH3	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NH3	0.011636	0.023419
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NH3	0.003069	0.003233
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NH3	0.001776	0.001277
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NH3	0.000100	0.000074
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NH3	0.000119	0.000088
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NH3	0.000001	0.000001
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NH3	0.004562	0.003276
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NH3	0.000023	0.000017
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NH3	0.000040	0.000019
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NH3	0.000003	0.000002
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.000303	0.000255
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.003098	0.002555
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NH3	0.004105	0.003383
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NH3	0.038414	0.031108
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.005682	0.004693
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.030104	0.024807
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NH3	0.003668	0.003022
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NH3	0.029305	0.023955
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NH3	0.001378	0.001581
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NH3	0.007281	0.008351
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NH3	0.000013	0.000011
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NH3	0.000033	0.000026
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NH3	0.000821	0.000729
2260006010	Commercial Equipment	Pumps	2 Stroke	NH3	0.005448	0.004951
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NH3	0.000002	0.000002
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NH3	0.000032	0.000030
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NH3	0.000132	0.000116
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NH3	0.004205	0.006577
2265001030	Recreational Equipment	ATVs	4 Stroke	NH3	0.040119	0.068257
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NH3	0.030398	0.030016
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NH3	0.002521	0.002462
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NH3	0.000994	0.000917
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NH3	0.000008	0.000007

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NH3	0.001795	0.001633
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NH3	0.001743	0.001616
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NH3	0.003505	0.003167
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NH3	0.001434	0.001327
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NH3	0.000073	0.000067
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NH3	0.003053	0.002806
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NH3	0.001015	0.000939
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NH3	0.006266	0.005905
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NH3	0.003155	0.002873
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NH3	0.000250	0.000235
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NH3	0.000408	0.000378
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NH3	0.000395	0.000362
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NH3	0.000966	0.000858
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NH3	0.002076	0.001940
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NH3	0.001487	0.001366
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NH3	0.000495	0.000450
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NH3	0.000339	0.000322
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NH3	0.003487	0.002077
2265003020	Industrial Equipment	Forklifts	4 Stroke	NH3	0.011682	0.006641
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NH3	0.002859	0.001589
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NH3	0.004930	0.002800
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NH3	0.000246	0.000146
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NH3	0.000122	0.000070
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NH3	0.001206	0.000627
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NH3	0.036410	0.037766
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NH3	0.058444	0.059504
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.003106	0.003191
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.030398	0.032218
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.000197	0.000207
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.001401	0.001437
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NH3	0.000379	0.000396
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NH3	0.060222	0.062228
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NH3	0.003539	0.004059
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NH3	0.018694	0.021441
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NH3	0.007433	0.007628

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NH3	0.006805	0.007122
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NH3	0.008235	0.008381
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NH3	0.003535	0.003735
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NH3	0.101349	0.102437
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NH3	0.094017	0.096826
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NH3	0.016121	0.016489
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NH3	0.290150	0.308095
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.003528	0.003663
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.009417	0.009778
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NH3	0.000057	0.000058
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NH3	0.000242	0.000237
2265005020	Agricultural Equipment	Combines	4 Stroke	NH3	0.000002	0.000002
2265005025	Agricultural Equipment	Balers	4 Stroke	NH3	0.000150	0.000159
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NH3	0.000049	0.000049
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NH3	0.000523	0.000534
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NH3	0.001123	0.001177
2265005045	Agricultural Equipment	Swathers	4 Stroke	NH3	0.000238	0.000252
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NH3	0.000350	0.000363
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NH3	0.000424	0.000402
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NH3	0.125017	0.136627
2265006010	Commercial Equipment	Pumps	4 Stroke	NH3	0.029993	0.032779
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NH3	0.016083	0.017812
2265006025	Commercial Equipment	Welders	4 Stroke	NH3	0.034528	0.038828
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NH3	0.054046	0.059112
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NH3	0.002528	0.002816
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NH3	0.000194	0.000217
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NH3	0.000002	0.000002
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NH3	0.000004	0.000004
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NH3	0.000262	0.000245
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NH3	0.000000	0.000000
2267002003	Construction and Mining Equipment	Pavers	LPG	NH3	0.000000	0.000000
2267002015	Construction and Mining Equipment	Rollers	LPG	NH3	0.000000	0.000000
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NH3	0.000000	0.000000
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NH3	0.000000	0.000000
2267002030	Construction and Mining Equipment	Trenchers	LPG	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NH3	0.000000	0.000000
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NH3	0.000000	0.000000
2267002045	Construction and Mining Equipment	Cranes	LPG	NH3	0.000000	0.000000
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NH3	0.000000	0.000000
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NH3	0.000000	0.000000
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NH3	0.000000	0.000000
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NH3	0.000000	0.000000
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NH3	0.000000	0.000000
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NH3	0.000000	0.000000
2267003010	Industrial Equipment	Aerial Lifts	LPG	NH3	0.000000	0.000000
2267003020	Industrial Equipment	Forklifts	LPG	NH3	0.000000	0.000000
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NH3	0.000000	0.000000
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NH3	0.000000	0.000000
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NH3	0.000000	0.000000
2267003070	Industrial Equipment	Terminal Tractors	LPG	NH3	0.000000	0.000000
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NH3	0.000000	0.000000
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NH3	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NH3	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	NH3	0.000000	0.000000
2267006010	Commercial Equipment	Pumps	LPG	NH3	0.000000	0.000000
2267006015	Commercial Equipment	Air Compressors	LPG	NH3	0.000000	0.000000
2267006025	Commercial Equipment	Welders	LPG	NH3	0.000000	0.000000
2267006030	Commercial Equipment	Pressure Washers	LPG	NH3	0.000000	0.000000
2267006035	Commercial Equipment	Hydro Power Units	LPG	NH3	0.000000	0.000000
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NH3	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NH3	0.000000	0.000000
2268003020	Industrial Equipment	Forklifts	CNG	NH3	0.000000	0.000000
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NH3	0.000000	0.000000
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NH3	0.000000	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NH3	0.000000	0.000000
2268003070	Industrial Equipment	Terminal Tractors	CNG	NH3	0.000000	0.000000
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NH3	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NH3	0.000000	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	NH3	0.000000	0.000000
2268006010	Commercial Equipment	Pumps	CNG	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268006015	Commercial Equipment	Air Compressors	CNG	NH3	0.000000	0.000000
2268006020	Commercial Equipment	Gas Compressors	CNG	NH3	0.000000	0.000000
2268006035	Commercial Equipment	Hydro Power Units	CNG	NH3	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NH3	0.000000	0.000000
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NH3	0.001515	0.001816
2270002003	Construction and Mining Equipment	Pavers	Diesel	NH3	0.013253	0.015755
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NH3	0.000053	0.000063
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NH3	0.000357	0.000424
2270002015	Construction and Mining Equipment	Rollers	Diesel	NH3	0.033176	0.039441
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NH3	0.036064	0.042874
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NH3	0.001993	0.002369
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NH3	0.001231	0.001463
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NH3	0.003670	0.004363
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NH3	0.015739	0.018711
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NH3	0.013551	0.016110
2270002036	Construction and Mining Equipment	Excavators	Diesel	NH3	0.134440	0.159827
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NH3	0.001114	0.001324
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NH3	0.000529	0.000629
2270002045	Construction and Mining Equipment	Cranes	Diesel	NH3	0.030687	0.036482
2270002048	Construction and Mining Equipment	Graders	Diesel	NH3	0.033459	0.039777
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NH3	0.114901	0.136598
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NH3	0.005421	0.006445
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NH3	0.043048	0.051176
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NH3	0.146355	0.173992
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NH3	0.089016	0.105825
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NH3	0.133894	0.159178
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NH3	0.061113	0.072653
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NH3	0.014421	0.017144
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NH3	0.000189	0.000224
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NH3	0.013808	0.016416
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NH3	0.002270	0.002767
2270003020	Industrial Equipment	Forklifts	Diesel	NH3	0.032773	0.039944
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NH3	0.014312	0.017443
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NH3	0.014527	0.017706
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NH3	0.000561	0.000684

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NH3	0.050050	0.061002
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NH3	0.020648	0.025166
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NH3	0.000004	0.000005
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NH3	0.000918	0.001240
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NH3	0.024368	0.032906
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NH3	0.005030	0.006792
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NH3	0.033155	0.044771
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NH3	0.003911	0.005281
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NH3	0.000093	0.000125
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NH3	0.000002	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NH3	0.091820	0.107438
2270005020	Agricultural Equipment	Combines	Diesel	NH3	0.008243	0.009645
2270005025	Agricultural Equipment	Balers	Diesel	NH3	0.000046	0.000054
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NH3	0.000009	0.000011
2270005035	Agricultural Equipment	Sprayers	Diesel	NH3	0.000700	0.000819
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NH3	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	NH3	0.000647	0.000757
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NH3	0.001794	0.002099
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NH3	0.001318	0.001542
2270006005	Commercial Equipment	Generator Sets	Diesel	NH3	0.050407	0.063083
2270006010	Commercial Equipment	Pumps	Diesel	NH3	0.011891	0.014881
2270006015	Commercial Equipment	Air Compressors	Diesel	NH3	0.032956	0.041243
2270006020	Commercial Equipment	Gas Compressors	Diesel	NH3	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NH3	0.016802	0.021027
2270006030	Commercial Equipment	Pressure Washers	Diesel	NH3	0.001612	0.002018
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NH3	0.001430	0.001789
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NH3	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NH3	0.002166	0.002035
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NH3	0.000094	0.000127
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NH3	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NH3	0.000517	0.000515
2275000000	Aicraft	All Aircraft Types and Operations	Other	NH3	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	NH3	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NH3	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2280002000	Marine Vessels	Commercial	Diesel	NH3	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NH3	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NH3	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NH3	0.018351	0.017585
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NH3	0.007295	0.006577
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NH3	0.008614	0.008742
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NH3	0.003629	0.004351
2282020010	Pleasure Craft	Outboards	Diesel	NH3	0.000016	0.000019
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NH3	0.000000	0.000000
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NH3	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NH3	0.000709	0.000878
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NH3	0.000069	0.000066
2285006015	Railroad Equipment	Railway Maintenance	LPG	NH3	0.000000	0.000000
Chester County Total Annual NH3 Emissions					**2.722807**	**3.073578**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	148.331510	217.341320
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	146.249570	307.842560
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	94.424667	105.362782
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	39.032238	32.304329
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	1.881439	1.204784
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	2.258028	1.453312
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.016513	0.011168
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	103.143108	83.685641
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.440178	0.296544
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.777255	0.330713
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.061926	0.026349
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	5.886633	3.798649
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	58.464413	39.603577
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	76.785454	50.703796
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	859.966310	775.092693
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	110.772225	65.569982
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	581.084898	423.944374
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	69.130987	44.445492
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	585.994870	473.327330
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	40.249910	46.176768

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	212.610645	243.917997
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.239053	0.169129
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.637453	0.373372
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	15.424824	11.724631
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	108.615636	77.043508
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.040197	0.033002
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.624765	0.511462
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	3.024972	3.082422
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	64.975601	90.547768
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	585.727780	961.509700
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	1362.351700	1495.041500
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	81.871805	83.643524
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	34.405219	35.463960
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.272101	0.295894
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	63.536013	65.823527
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	64.482804	65.753725
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	124.399737	131.507308
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	56.386576	59.414336
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	2.869331	2.990643
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	105.451551	107.422054
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	31.068026	30.930792
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	260.413363	270.166446
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	108.921701	111.883854
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	4.359016	3.703752
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	15.291732	16.068741
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	5.689986	3.757617
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	13.642371	7.174913
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	82.006728	86.966099
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	36.279167	35.152676
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	16.960022	17.402347
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	4.783176	3.695744
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	74.056948	46.413603
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	167.408236	66.515074
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	71.963741	37.863154
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	183.588544	115.547125

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	5.661702	3.591904
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	4.666075	3.172490
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	17.384676	3.094523
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	1140.292023	1220.042203
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	2047.139377	2293.777424
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	96.050781	102.478590
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	997.327510	1130.945300
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	6.403784	6.864390
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	50.838701	59.375525
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	12.240624	13.110290
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	2034.715886	2390.187661
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	120.250663	137.996676
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	635.161637	728.896672
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	268.169386	305.204106
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	263.447514	319.179718
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	284.499739	330.996734
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	114.282542	129.630005
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	3565.604929	4090.147404
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	3543.401705	4339.251669
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	470.580274	497.302323
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	10960.395295	12553.497576
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	116.386814	125.097926
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	309.871062	351.005625
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	2.246277	2.664340
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	4.543495	3.710657
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.021850	0.019740
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	2.065280	1.866288
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	1.746884	2.034605
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	14.951604	16.235858
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	37.179048	40.655970
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	3.271226	2.956039
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	6.787044	6.926498
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	6.366655	3.338108
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	4411.481220	5612.215360
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	1019.378379	1262.835881

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	506.378496	616.185276
2265006025	Commercial Equipment	Welders	4 Stroke	CO	1272.160392	1602.240138
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	1932.071134	2459.970594
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	97.770173	125.186610
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	6.621166	8.376150
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.078950	0.099884
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.083934	0.069008
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	11.774799	12.195541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.896572	0.833643
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.934187	0.738032
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	1.588568	1.029784
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.243737	0.225943
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.161277	0.122825
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	2.858690	2.307449
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.923189	0.915565
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	2.785640	1.424866
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.996745	0.923058
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.166031	0.152193
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	1.811331	1.544636
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	4.539468	3.495930
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.484587	0.337908
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	3.709576	3.307307
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	1.484740	1.398460
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	14.133920	13.691023
2267003020	Industrial Equipment	Forklifts	LPG	CO	1353.963368	1094.364805
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	10.460250	6.772311
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	3.171666	2.319539
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.764436	0.734353
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	6.408147	3.549224
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	31.335904	22.769055
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.015553	0.013938
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.013286	0.008410
2267006005	Commercial Equipment	Generator Sets	LPG	CO	47.712569	56.618412
2267006010	Commercial Equipment	Pumps	LPG	CO	11.301080	12.305208
2267006015	Commercial Equipment	Air Compressors	LPG	CO	13.780451	14.126772

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267006025	Commercial Equipment	Welders	LPG	CO	24.867772	25.245558
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.322370	0.360041
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.215083	0.201238
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.015215	0.012707
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.058570	0.055166
2268003020	Industrial Equipment	Forklifts	CNG	CO	98.740257	77.893890
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.118085	0.092575
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.077181	0.058707
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.231211	0.161656
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.451295	0.243680
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.020482	0.009519
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	1.570127	0.106641
2268006005	Commercial Equipment	Generator Sets	CNG	CO	15.843322	16.991832
2268006010	Commercial Equipment	Pumps	CNG	CO	0.802631	0.812145
2268006015	Commercial Equipment	Air Compressors	CNG	CO	1.162117	1.081415
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	69.544704	8.329073
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	1.368795	0.251694
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	2.757168	2.413233
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	9.488029	7.018642
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.023923	0.025568
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.383130	0.376536
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	27.301470	20.787939
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	24.669891	18.878872
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	1.771228	1.299348
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	1.336337	1.031516
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	3.487895	2.637091
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	16.390446	12.910124
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	9.845823	8.237664
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	75.737171	58.120118
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	1.267488	0.975187
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.434820	0.419590
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	13.826891	10.415457
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	17.840528	12.924106
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	77.387525	47.836547

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	3.238260	2.510286
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	40.765782	33.322475
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	104.861865	78.949577
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	128.089907	121.639418
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	89.737451	67.393307
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	112.015985	104.617483
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	13.596757	9.348695
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.320228	0.318860
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	13.026987	9.732672
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	3.753162	3.866253
2270003020	Industrial Equipment	Forklifts	Diesel	CO	22.793117	24.232375
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	7.013628	5.746769
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	7.607042	6.081051
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.697038	0.665685
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	33.199357	30.663401
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	9.639132	9.097165
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.003502	0.003995
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.600466	0.546826
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	22.135454	20.120095
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	4.836945	4.197172
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	23.595169	23.552067
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	2.488709	2.065573
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.078973	0.083955
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.003435	0.003183
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	92.069462	69.816112
2270005020	Agricultural Equipment	Combines	Diesel	CO	5.734635	5.372582
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.047861	0.046473
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.010997	0.010774
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.645844	0.555340
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.001246	0.001014
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.551693	0.613916
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	1.828887	1.443602
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.819432	0.689695
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	41.756576	39.675231
2270006010	Commercial Equipment	Pumps	Diesel	CO	9.710566	9.406824

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	22.152135	20.459413
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	32.872329	30.804633
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	1.257371	1.182977
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	1.000901	0.895729
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.999056	0.671714
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.067740	0.058769
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.294946	0.173329
2275000000	Aicraft	All Aircraft Types and Operations	Other	CO	422.760479	438.698549
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	206.571001	174.712604
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	74.754747	68.138653
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	104.037921	93.732417
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.898474	1.070946
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.015422	0.013623
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	45.702100	51.073100
2285002010	Railroad Equipment	Yard Locomotives	Diesel	CO	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.999140	0.885688
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	2.456041	2.786315
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.011953	0.010774
Chester County Total Annual CO Emissions					**47021.214608**	**53032.667698**

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.295707	0.562807
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.298995	0.781027
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.442338	0.337748
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.092901	0.048458
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.001360	0.003169
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.001646	0.003794
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000014	0.000028
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.222570	0.124682
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.000367	0.000746
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.001728	0.002105
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000138	0.000168
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.014697	0.034281
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.062168	0.167441
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.191695	0.495677
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	2.834419	1.905398
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.294169	0.695859
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.847165	1.676200
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.175066	0.444624
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	1.348894	1.563151
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.043206	0.049554
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.096891	0.111126
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000263	0.000723
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000007	0.000018
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.023111	0.065295
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.183689	0.444470
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000073	0.000173
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.001116	0.002681
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000796	0.000503
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.417939	0.618361
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	3.773020	5.624820
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	4.519067	3.831331
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.388050	0.400836
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.170007	0.109789
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.000945	0.000680

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.201944	0.135422
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.291283	0.176187
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	0.424100	0.305320
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.176251	0.125096
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.008272	0.005666
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	0.513133	0.327335
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.161235	0.118658
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	0.872714	0.587876
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.329449	0.286464
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.084475	0.059751
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.057043	0.041096
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.145589	0.087168
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	0.360238	0.172852
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.273679	0.197536
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	0.384107	0.257273
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.053957	0.048097
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.125709	0.091769
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	2.614875	1.385520
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	11.038894	4.046504
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	1.965727	0.553730
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	1.736205	0.662669
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.173349	0.089453
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.054475	0.024602
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	1.140063	0.180925
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	13.040185	11.901956
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	9.651179	6.572738
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	1.106618	1.003649
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	4.864883	4.354056
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.074932	0.062149
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.250220	0.192070
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.143793	0.118869
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	16.517094	12.379156
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	1.193847	1.369252
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	2.677235	3.070586
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	3.401465	2.756111

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	1.338721	1.119087
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	1.412488	1.418104
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.553343	0.516000
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	46.733109	37.106482
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	18.699331	15.221280
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	5.975869	3.470673
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	65.488445	45.407424
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	1.281469	1.268648
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	1.453269	1.529173
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000113	0.000092
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.001260	0.000688
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000009	0.000008
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000896	0.000777
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000092	0.000080
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.001457	0.001325
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.001397	0.001647
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.001419	0.001231
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.001696	0.001479
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.002468	0.001035
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	29.940980	28.382197
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	9.061263	7.069274
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	6.244139	4.574541
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	11.274337	9.432713
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	13.208360	10.957000
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	0.658352	0.560723
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.002285	0.002680
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000026	0.000020
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.087228	0.070320
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.112049	0.093283
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.079475	0.044128
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.133887	0.052457
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.020956	0.015999
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.013678	0.007012
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.243262	0.140994

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.080058	0.069756
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.231877	0.062051
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.085643	0.065191
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.014257	0.010636
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.154664	0.099785
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	0.384824	0.199246
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.040884	0.017502
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.317966	0.225311
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.127854	0.100672
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	3.090384	2.442102
2267003020	Industrial Equipment	Forklifts	LPG	NOx	291.282366	157.906724
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	2.222729	0.824237
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	0.679777	0.310061
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.166915	0.129375
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	1.357357	0.342452
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	4.230976	1.968249
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000021	0.000017
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000018	0.000007
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	12.798464	12.348121
2267006010	Commercial Equipment	Pumps	LPG	NOx	2.980494	2.381524
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	3.593229	2.484848
2267006025	Commercial Equipment	Welders	LPG	NOx	4.479905	3.295541
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.058866	0.052528
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.055796	0.031211
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.005044	0.003975
2268003020	Industrial Equipment	Forklifts	CNG	NOx	21.207645	11.312165
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.025344	0.013342
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.016569	0.008152
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.070022	0.029301
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.095550	0.023772
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000026	0.000012
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.002009	0.000130
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	4.194915	3.815386
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.210345	0.168977

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.300883	0.198224
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	11.111318	1.143089
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.322037	0.033412
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	1.158680	1.161989
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	6.414335	5.224708
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.014097	0.011826
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.219902	0.185162
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	15.915046	13.493121
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	18.426003	14.728807
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	1.014343	0.850069
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	0.683477	0.614660
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	1.921928	1.706360
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	7.403460	6.808629
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	8.789573	8.047924
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	63.614634	49.185719
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	0.497788	0.467505
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.330234	0.311124
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	17.324163	13.955314
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	16.163624	12.381160
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	60.000531	48.585886
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	3.041650	2.557560
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	20.334035	18.150315
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	77.897119	64.879883
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	47.326063	43.848771
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	68.447158	55.220289
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	30.344064	29.956726
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	8.261515	7.115128
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.097665	0.096730
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	8.022590	6.858393
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	3.213227	3.109474
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	33.909433	28.776424
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	17.977518	14.932607
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	20.474780	16.955083
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	0.947001	0.858706

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	78.969492	74.628928
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	23.199753	18.004786
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.003137	0.003590
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.842138	0.895186
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	19.272441	20.694225
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	4.253147	4.139483
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	28.796880	31.451534
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	2.904171	2.926197
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.075579	0.083947
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000019	0.000014
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.834624	0.726010
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.084623	0.075865
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000363	0.000364
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000077	0.000071
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.005997	0.005804
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000010	0.000009
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.005925	0.005520
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.017435	0.015309
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.010935	0.009773
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	55.722737	58.026045
2270006010	Commercial Equipment	Pumps	Diesel	NOx	13.265700	13.747933
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	33.484169	32.592985
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	16.212674	17.310649
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	1.861457	1.928705
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	1.448353	1.409211
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.115287	0.068223
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.871376	0.629278
2275000000	Aicraft	All Aircraft Types and Operations	Other	NOx	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2280002000	Marine Vessels	Commercial	Diesel	NOx	595.918100	609.087890
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	254.021356	301.497948
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	4.502083	7.969484
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	1.260415	2.602739
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	10.217906	12.304805
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	9.656473	10.878482
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.036361	0.038717
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	168.215300	127.170800
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NOx	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.484982	0.467362
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.010671	0.007908
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.001198	0.000859
Delaware County Total Annual NOx Emissions					**2559.645567**	**2266.883633**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	89.158314	118.590525
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	88.959349	147.274698
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	1.807220	1.439740
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	5.594371	2.412604
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	0.338986	0.084863
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	0.403873	0.100965
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.002899	0.000870
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	14.938934	5.959884
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.074996	0.020430
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.331093	0.058583
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.026272	0.004600
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	4.166611	1.540980
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	16.630207	4.624807
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	53.744986	15.439772
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	200.253081	86.549553

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	79.448778	24.707769
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	157.808668	44.127092
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	52.127192	17.715551
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	151.319885	51.417619
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	30.623739	35.131729
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	59.340055	68.077898
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.067999	0.017072
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.001884	0.000472
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	5.758127	1.659630
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	39.462961	12.059316
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.013988	0.004602
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.218227	0.071385
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.049702	0.025139
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	3.232215	4.324518
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	33.627683	48.439254
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	12.291990	10.490420
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	1.951905	1.700310
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.285689	0.189816
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.002461	0.001714
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	1.121793	0.680312
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	0.462400	0.323809
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	1.576257	0.986979
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	0.576069	0.353315
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.040313	0.022420
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	1.137901	0.662824
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	0.669588	0.426924
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	1.661991	1.239829
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	1.691073	1.221634
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.057490	0.041052
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.150177	0.093118
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.085631	0.051101
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.207558	0.096908
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	0.561560	0.415938
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	0.390450	0.264268
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.240474	0.175939

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.073682	0.054018
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	2.250802	1.128331
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	6.408959	2.328109
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	1.970175	0.624508
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	6.991290	2.157525
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.160472	0.078553
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.140457	0.064936
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	0.658546	0.086695
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	148.665948	131.033879
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	78.428181	47.253899
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	12.408612	10.916085
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	37.438115	31.517573
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.783901	0.680793
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	1.298331	0.853082
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	1.573377	1.365407
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	26.176864	19.510822
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	11.944025	13.700922
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	8.609730	9.879266
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	14.595257	13.032912
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	3.053896	2.506926
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	5.114204	4.377755
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	4.601114	3.931019
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	174.547127	147.486959
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	41.224316	32.213908
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	6.217842	4.234823
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	151.440603	117.033072
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	9.050095	7.415119
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	10.145226	8.866166
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000267	0.000212
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000867	0.000497
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000006	0.000005
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000602	0.000534
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000279	0.000208
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.003991	0.003258
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.008038	0.007665

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000896	0.000791
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.001501	0.001252
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.001581	0.000645
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	110.864523	94.060173
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	32.609829	20.350004
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	13.195239	9.030254
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	20.740744	18.226940
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	57.439149	42.651581
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	2.032409	1.586513
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.008919	0.007670
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000152	0.000086
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.193597	0.149016
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.030358	0.025631
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.021664	0.012368
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.036753	0.014717
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.005667	0.004433
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.003737	0.001970
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.066296	0.039545
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.021511	0.019080
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.064252	0.017003
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.023172	0.018080
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.003859	0.002954
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.042043	0.027944
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.105176	0.056401
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.011214	0.004954
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.086185	0.062622
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.034535	0.027829
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	0.832447	0.674759
2267003020	Industrial Equipment	Forklifts	LPG	VOC	79.421552	44.604581
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	0.611710	0.230562
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.185872	0.087292
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.045008	0.035866
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.374452	0.094601
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	1.157218	0.556005

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000006	0.000005
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000005	0.000002
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	2.598882	2.540602
2267006010	Commercial Equipment	Pumps	LPG	VOC	0.612908	0.494081
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	0.745229	0.518388
2267006025	Commercial Equipment	Welders	LPG	VOC	1.206319	0.918701
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.015692	0.014403
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.011616	0.006380
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000080	0.000065
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.341240	0.188638
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000408	0.000223
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000267	0.000136
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.001131	0.000485
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.001554	0.000388
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000034	0.000002
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.050698	0.046674
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.002562	0.002080
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.003698	0.002459
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.193174	0.011503
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.005383	0.000416
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.370459	0.316037
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	0.618582	0.431865
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.002292	0.001836
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.038431	0.028722
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	1.753471	1.170150
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	1.286607	0.852770
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.113047	0.078351
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.077994	0.053215
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	0.379101	0.230190
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	1.044043	0.679598
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	0.818621	0.677983
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	5.076739	3.713771

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.084108	0.049993
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.039368	0.035123
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	1.322503	0.952239
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	1.264047	0.934597
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	4.375346	2.706045
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.269602	0.188276
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	2.521351	1.755343
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	6.310525	4.638109
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	10.893835	9.277355
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	5.483334	3.784256
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	10.517712	8.455733
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	0.741869	0.468497
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.031966	0.028026
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	0.692259	0.502097
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	0.947516	0.852909
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	3.344626	2.436396
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	1.729871	1.207505
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	1.872560	1.385045
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.176249	0.155788
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	10.701970	6.658578
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	1.832432	1.472028
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000633	0.000622
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.080864	0.073207
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	3.798613	2.817412
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.841255	0.583420
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	3.256207	3.047645
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.392615	0.245465
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.012095	0.011148
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000003	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.103652	0.071137
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.007549	0.006602
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000076	0.000059
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000012	0.000010
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.001101	0.000800
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000001	0.000001

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000680	0.000630
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.002311	0.001611
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.001422	0.000964
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	8.457044	7.307049
2270006010	Commercial Equipment	Pumps	Diesel	VOC	1.859660	1.638595
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	4.191981	3.155049
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	6.381660	5.357761
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.265833	0.239110
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.195275	0.139873
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.008383	0.005194
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.071434	0.039852
2275000000	Aicraft	All Aircraft Types and Operations	Other	VOC	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	46.396900	48.410525
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	29.204831	36.406743
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	207.324194	153.911480
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	71.879068	42.657168
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	13.743200	13.532429
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.361271	0.394500
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.009076	0.007200
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	7.270500	7.137500
2285002010	Railroad Equipment	Yard Locomotives	Diesel	VOC	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.094078	0.083230
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.028581	0.019431
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000324	0.000239

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
Delaware County Total Annual VOC Emissions					**2689.719182**	**1946.577828**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	SO2	0.057239	0.021405
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	SO2	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	SO2	0.035502	0.020765
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	SO2	0.023579	0.005638
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	SO2	0.006020	0.001214
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	SO2	0.000325	0.000079
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	SO2	0.000388	0.000094
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	SO2	0.000003	0.000001
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	SO2	0.015001	0.003130
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	SO2	0.000075	0.000018
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	SO2	0.000341	0.000052
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	SO2	0.000027	0.000004
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.003681	0.000923
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.015928	0.004302
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	SO2	0.050552	0.012748
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	SO2	0.200923	0.047758
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.068683	0.017688
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.157290	0.041891
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	SO2	0.044900	0.011392
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	SO2	0.154465	0.039099
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	SO2	0.010863	0.002792
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	SO2	0.024362	0.006261
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	SO2	0.000067	0.000018
2260005035	Agricultural Equipment	Sprayers	2 Stroke	SO2	0.000002	0.000000
2260006005	Commercial Equipment	Generator Sets	2 Stroke	SO2	0.005557	0.001627
2260006010	Commercial Equipment	Pumps	2 Stroke	SO2	0.035910	0.010882
2260006015	Commercial Equipment	Air Compressors	2 Stroke	SO2	0.000014	0.000004
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	SO2	0.000224	0.000066
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	SO2	0.000050	0.000013

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	SO2	0.032093	0.011270
2265001030	Recreational Equipment	ATVs	4 Stroke	SO2	0.306889	0.117521
2265001050	Recreational Equipment	Golf Carts	4 Stroke	SO2	0.207205	0.046186
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	SO2	0.019201	0.004230
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	SO2	0.005228	0.001093
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	SO2	0.000040	0.000008
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	SO2	0.009025	0.001901
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	SO2	0.009191	0.001927
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	SO2	0.018111	0.003744
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	SO2	0.007428	0.001572
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	SO2	0.000371	0.000079
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	SO2	0.015865	0.003333
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	SO2	0.005096	0.001091
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	SO2	0.033014	0.007029
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	SO2	0.016241	0.003362
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	SO2	0.001329	0.000282
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	SO2	0.002118	0.000448
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	SO2	0.002102	0.000435
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	SO2	0.005144	0.001035
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	SO2	0.010937	0.002310
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	SO2	0.007872	0.001635
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	SO2	0.002577	0.000532
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	SO2	0.001805	0.000386
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	SO2	0.046757	0.006276
2265003020	Industrial Equipment	Forklifts	4 Stroke	SO2	0.157354	0.020209
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	SO2	0.038157	0.004821
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	SO2	0.063068	0.008344
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	SO2	0.003297	0.000440
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	SO2	0.002297	0.000297
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	SO2	0.016239	0.001922
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	SO2	0.675938	0.150473
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	SO2	0.452720	0.109087
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.057574	0.012675
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.237164	0.057764
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.003656	0.000826

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.011240	0.002668
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	SO2	0.007014	0.001579
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	SO2	0.504910	0.118213
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	SO2	0.070375	0.018095
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	SO2	0.157819	0.040579
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	SO2	0.148384	0.032350
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	SO2	0.057087	0.013522
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	SO2	0.068814	0.015861
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	SO2	0.027527	0.006683
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	SO2	2.021092	0.434393
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	SO2	0.788184	0.183833
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	SO2	0.135984	0.031478
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	SO2	2.415008	0.582131
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.067592	0.015020
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.075777	0.017946
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	SO2	0.000005	0.000001
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	SO2	0.000021	0.000005
2265005020	Agricultural Equipment	Combines	4 Stroke	SO2	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	SO2	0.000013	0.000003
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	SO2	0.000004	0.000001
2265005035	Agricultural Equipment	Sprayers	4 Stroke	SO2	0.000043	0.000010
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	SO2	0.000094	0.000022
2265005045	Agricultural Equipment	Swathers	4 Stroke	SO2	0.000020	0.000005
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	SO2	0.000030	0.000007
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	SO2	0.000036	0.000008
2265006005	Commercial Equipment	Generator Sets	4 Stroke	SO2	1.358233	0.337248
2265006010	Commercial Equipment	Pumps	4 Stroke	SO2	0.318383	0.080689
2265006015	Commercial Equipment	Air Compressors	4 Stroke	SO2	0.173821	0.044111
2265006025	Commercial Equipment	Welders	4 Stroke	SO2	0.378805	0.096376
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	SO2	0.575573	0.144718
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	SO2	0.027393	0.006962
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	SO2	0.000117	0.000030
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	SO2	0.000001	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	SO2	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	SO2	0.004017	0.000848

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	SO2	0.000122	0.000122
2267002003	Construction and Mining Equipment	Pavers	LPG	SO2	0.000086	0.000087
2267002015	Construction and Mining Equipment	Rollers	LPG	SO2	0.000145	0.000141
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	SO2	0.000023	0.000024
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	SO2	0.000015	0.000015
2267002030	Construction and Mining Equipment	Trenchers	LPG	SO2	0.000264	0.000267
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	SO2	0.000087	0.000094
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	SO2	0.000251	0.000238
2267002045	Construction and Mining Equipment	Cranes	LPG	SO2	0.000093	0.000098
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	SO2	0.000015	0.000016
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	SO2	0.000168	0.000173
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	SO2	0.000417	0.000417
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	SO2	0.000044	0.000043
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	SO2	0.000345	0.000360
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	SO2	0.000139	0.000147
2267003010	Industrial Equipment	Aerial Lifts	LPG	SO2	0.003359	0.003731
2267003020	Industrial Equipment	Forklifts	LPG	SO2	0.316014	0.332788
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	SO2	0.002408	0.002448
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	SO2	0.000737	0.000763
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	SO2	0.000181	0.000201
2267003070	Industrial Equipment	Terminal Tractors	LPG	SO2	0.001470	0.001455
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	SO2	0.004588	0.004540
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	SO2	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	SO2	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	SO2	0.013993	0.018415
2267006010	Commercial Equipment	Pumps	LPG	SO2	0.003252	0.004161
2267006015	Commercial Equipment	Air Compressors	LPG	SO2	0.003916	0.004916
2267006025	Commercial Equipment	Welders	LPG	SO2	0.004870	0.006127
2267006030	Commercial Equipment	Pressure Washers	LPG	SO2	0.000064	0.000083
2267006035	Commercial Equipment	Hydro Power Units	LPG	SO2	0.000061	0.000075
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	SO2	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	SO2	0.000005	0.000005
2268003020	Industrial Equipment	Forklifts	CNG	SO2	0.019418	0.021349
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	SO2	0.000023	0.000025
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	SO2	0.000015	0.000017

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003060	Industrial Equipment	AC\Refrigeration	CNG	SO2	0.000064	0.000070
2268003070	Industrial Equipment	Terminal Tractors	CNG	SO2	0.000087	0.000094
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	SO2	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	SO2	0.000002	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	SO2	0.004047	0.004848
2268006010	Commercial Equipment	Pumps	CNG	SO2	0.000202	0.000240
2268006015	Commercial Equipment	Air Compressors	CNG	SO2	0.000289	0.000337
2268006020	Commercial Equipment	Gas Compressors	CNG	SO2	0.009864	0.011798
2268006035	Commercial Equipment	Hydro Power Units	CNG	SO2	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	SO2	0.000291	0.000274
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	SO2	0.129131	0.023678
2270002003	Construction and Mining Equipment	Pavers	Diesel	SO2	0.782106	0.141926
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	SO2	0.003132	0.000568
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	SO2	0.020966	0.003810
2270002015	Construction and Mining Equipment	Rollers	Diesel	SO2	1.957009	0.355232
2270002018	Construction and Mining Equipment	Scrapers	Diesel	SO2	2.129955	0.386419
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	SO2	0.117529	0.021334
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	SO2	0.072556	0.013174
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	SO2	0.215674	0.039226
2270002030	Construction and Mining Equipment	Trenchers	Diesel	SO2	0.927492	0.168439
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	SO2	0.798895	0.144963
2270002036	Construction and Mining Equipment	Excavators	Diesel	SO2	7.938983	1.440169
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	SO2	0.065586	0.011918
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	SO2	0.031157	0.005654
2270002045	Construction and Mining Equipment	Cranes	Diesel	SO2	1.811442	0.328663
2270002048	Construction and Mining Equipment	Graders	Diesel	SO2	1.975821	0.358417
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	SO2	6.784984	1.231160
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	SO2	0.319861	0.058049
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	SO2	2.538242	0.460773
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	SO2	8.639225	1.567415
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	SO2	5.224556	0.949150
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	SO2	7.904912	1.434263
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	SO2	3.573927	0.650272
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	SO2	0.850748	0.154436
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	SO2	0.011032	0.002006

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	SO2	0.814684	0.147841
2270003010	Industrial Equipment	Aerial Lifts	Diesel	SO2	0.336076	0.062633
2270003020	Industrial Equipment	Forklifts	Diesel	SO2	4.894919	0.910462
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	SO2	2.136440	0.397501
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	SO2	2.168063	0.403374
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	SO2	0.083274	0.015509
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	SO2	10.577921	1.969340
2270003070	Industrial Equipment	Terminal Tractors	Diesel	SO2	3.085099	0.573657
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	SO2	0.000331	0.000068
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	SO2	0.086328	0.017793
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	SO2	2.284267	0.471678
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	SO2	0.471253	0.097358
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	SO2	3.116024	0.642262
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	SO2	0.367494	0.075827
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	SO2	0.008692	0.001792
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	SO2	0.000002	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	SO2	0.086609	0.015480
2270005020	Agricultural Equipment	Combines	Diesel	SO2	0.007783	0.001390
2270005025	Agricultural Equipment	Balers	Diesel	SO2	0.000043	0.000008
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	SO2	0.000009	0.000002
2270005035	Agricultural Equipment	Sprayers	Diesel	SO2	0.000659	0.000118
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	SO2	0.000001	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	SO2	0.000611	0.000109
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	SO2	0.001691	0.000302
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	SO2	0.001243	0.000222
2270006005	Commercial Equipment	Generator Sets	Diesel	SO2	6.182266	1.181459
2270006010	Commercial Equipment	Pumps	Diesel	SO2	1.458907	0.278749
2270006015	Commercial Equipment	Air Compressors	Diesel	SO2	4.047562	0.773473
2270006020	Commercial Equipment	Gas Compressors	Diesel	SO2	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	SO2	2.045570	0.391918
2270006030	Commercial Equipment	Pressure Washers	Diesel	SO2	0.197777	0.037789
2270006035	Commercial Equipment	Hydro Power Units	Diesel	SO2	0.175532	0.033552
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	SO2	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	SO2	0.014802	0.002122
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	SO2	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	SO2	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	SO2	0.088949	0.013523
2275000000	Aicraft	All Aircraft Types and Operations	Other	SO2	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	SO2	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	SO2	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	SO2	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	SO2	19.600295	20.868434
2280003000	Marine Vessels	Commercial	Residual Fuel	SO2	16.635328	17.393899
2280004000	Marine Vessels	Commercial	Gasoline	SO2	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	SO2	0.372915	0.087101
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	SO2	0.150603	0.033791
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	SO2	0.227190	0.051803
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	SO2	1.228987	0.227794
2282020010	Pleasure Craft	Outboards	Diesel	SO2	0.005284	0.000982
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	SO2	11.263900	12.587400
2285002010	Railroad Equipment	Yard Locomotives	Diesel	SO2	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	SO2	0.048616	0.009200
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	SO2	0.000420	0.000092
2285006015	Railroad Equipment	Railway Maintenance	LPG	SO2	0.000001	0.000001
Delaware County Total Annual SO2 Emissions					**162.269265**	**73.209733**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM2.5	3.047043	4.037319
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM2.5	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM2.5	3.003574	4.923924
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM2.5	0.012424	0.010687
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM2.5	0.317774	0.323987
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM2.5	0.013678	0.011446
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM2.5	0.016456	0.013795
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM2.5	0.000124	0.000106
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM2.5	0.838647	0.844618
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM2.5	0.003290	0.002813

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM2.5	0.014803	0.007936
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM2.5	0.001179	0.000632
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	0.145329	0.132939
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	0.640078	0.610068
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM2.5	2.025185	1.789752
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM2.5	11.078903	12.433773
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	2.772468	2.576826
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	6.649285	6.490874
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM2.5	1.809002	1.615840
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM2.5	7.123213	7.380347
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM2.5	0.870363	0.998528
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM2.5	1.951715	2.239115
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM2.5	0.002746	0.002568
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM2.5	0.000070	0.000068
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM2.5	0.232361	0.235134
2260006010	Commercial Equipment	Pumps	2 Stroke	PM2.5	1.625217	1.739194
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM2.5	0.000629	0.000652
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM2.5	0.009766	0.010108
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM2.5	0.002865	0.003616
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM2.5	0.042895	0.067316
2265001030	Recreational Equipment	ATVs	4 Stroke	PM2.5	0.386742	0.659469
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM2.5	0.121621	0.110890
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM2.5	0.009665	0.009305
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM2.5	0.002851	0.002383
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM2.5	0.000022	0.000017
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM2.5	0.008037	0.005488
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM2.5	0.004915	0.004329
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM2.5	0.012114	0.008879
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM2.5	0.005080	0.003747
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM2.5	0.000308	0.000201
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM2.5	0.010118	0.007633
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM2.5	0.004444	0.003132
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM2.5	0.018610	0.016508
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM2.5	0.011189	0.008966
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM2.5	0.000515	0.000504

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM2.5	0.001372	0.001038
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM2.5	0.000764	0.000775
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM2.5	0.001863	0.001899
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM2.5	0.006036	0.005172
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM2.5	0.003536	0.003157
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM2.5	0.001491	0.001251
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM2.5	0.000650	0.000661
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM2.5	0.019942	0.011660
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM2.5	0.057639	0.036845
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM2.5	0.018433	0.010217
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM2.5	0.054766	0.021757
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM2.5	0.001458	0.000832
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM2.5	0.001295	0.000656
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM2.5	0.005978	0.003810
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM2.5	0.733695	0.626785
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM2.5	0.529097	0.358101
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.054814	0.054582
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.290105	0.229982
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.003834	0.003383
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.010059	0.007677
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.007537	0.006574
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.273400	0.256094
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM2.5	0.026535	0.030453
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM2.5	0.059500	0.068285
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.075771	0.068944
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.031307	0.029441
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM2.5	0.035753	0.034576
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM2.5	0.036643	0.027019
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM2.5	1.050082	0.928538
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM2.5	0.439120	0.400111
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM2.5	0.064685	0.066170
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM2.5	1.427689	1.382683
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.067061	0.047575
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.074972	0.056723
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM2.5	0.000003	0.000002

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM2.5	0.000008	0.000009
2265005020	Agricultural Equipment	Combines	4 Stroke	PM2.5	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	PM2.5	0.000005	0.000005
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM2.5	0.000002	0.000002
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM2.5	0.000027	0.000024
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM2.5	0.000036	0.000041
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM2.5	0.000007	0.000008
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM2.5	0.000012	0.000013
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM2.5	0.000014	0.000015
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM2.5	0.763306	0.765065
2265006010	Commercial Equipment	Pumps	4 Stroke	PM2.5	0.253897	0.195622
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM2.5	0.113461	0.101232
2265006025	Commercial Equipment	Welders	4 Stroke	PM2.5	0.205596	0.212473
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM2.5	0.437257	0.372649
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM2.5	0.017794	0.016214
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM2.5	0.000060	0.000065
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM2.5	0.000001	0.000001
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM2.5	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM2.5	0.002352	0.002035
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM2.5	0.000525	0.000554
2267002003	Construction and Mining Equipment	Pavers	LPG	PM2.5	0.000375	0.000429
2267002015	Construction and Mining Equipment	Rollers	LPG	PM2.5	0.000636	0.000728
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM2.5	0.000098	0.000112
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM2.5	0.000065	0.000074
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM2.5	0.001147	0.001314
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM2.5	0.000372	0.000427
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM2.5	0.001111	0.001273
2267002045	Construction and Mining Equipment	Cranes	LPG	PM2.5	0.000401	0.000459
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM2.5	0.000067	0.000077
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM2.5	0.000727	0.000833
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM2.5	0.001819	0.002085
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM2.5	0.000194	0.000222
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM2.5	0.001491	0.001709
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM2.5	0.000597	0.000685
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM2.5	0.014397	0.017457

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267003020	Industrial Equipment	Forklifts	LPG	PM2.5	1.373568	1.662035
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM2.5	0.010579	0.012797
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM2.5	0.003215	0.003889
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM2.5	0.000778	0.000944
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM2.5	0.006476	0.007832
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM2.5	0.020014	0.023002
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM2.5	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM2.5	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	PM2.5	0.058431	0.083316
2267006010	Commercial Equipment	Pumps	LPG	PM2.5	0.013780	0.019632
2267006015	Commercial Equipment	Air Compressors	LPG	PM2.5	0.016755	0.023857
2267006025	Commercial Equipment	Welders	LPG	PM2.5	0.020863	0.029705
2267006030	Commercial Equipment	Pressure Washers	LPG	PM2.5	0.000271	0.000387
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM2.5	0.000261	0.000372
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM2.5	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM2.5	0.000024	0.000027
2268003020	Industrial Equipment	Forklifts	CNG	PM2.5	0.100129	0.117222
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM2.5	0.000120	0.000140
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM2.5	0.000078	0.000092
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM2.5	0.000332	0.000388
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM2.5	0.000456	0.000534
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM2.5	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM2.5	0.000010	0.000001
2268006005	Commercial Equipment	Generator Sets	CNG	PM2.5	0.019338	0.024081
2268006010	Commercial Equipment	Pumps	CNG	PM2.5	0.000977	0.001216
2268006015	Commercial Equipment	Air Compressors	CNG	PM2.5	0.001410	0.001754
2268006020	Commercial Equipment	Gas Compressors	CNG	PM2.5	0.056683	0.070361
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM2.5	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM2.5	0.001580	0.001573
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM2.5	0.200288	0.168707
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM2.5	0.578172	0.405048
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM2.5	0.001588	0.001135
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM2.5	0.026007	0.019285
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM2.5	1.620067	1.141023
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM2.5	1.297776	0.836599

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM2.5	0.102223	0.072467
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM2.5	0.072253	0.049276
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM2.5	0.228812	0.148311
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM2.5	0.950181	0.675024
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM2.5	0.669120	0.495153
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM2.5	4.836465	3.436426
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM2.5	0.072638	0.051187
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM2.5	0.029353	0.024487
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM2.5	1.055990	0.661629
2270002048	Construction and Mining Equipment	Graders	Diesel	PM2.5	1.154138	0.820271
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM2.5	3.815482	2.282196
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM2.5	0.220970	0.141992
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM2.5	2.428403	1.764688
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM2.5	6.079993	4.163443
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM2.5	7.211373	6.385402
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM2.5	5.005480	3.442113
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM2.5	6.202132	5.410593
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM2.5	0.656510	0.401578
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM2.5	0.019203	0.016956
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM2.5	0.688438	0.456844
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM2.5	0.553972	0.497323
2270003020	Industrial Equipment	Forklifts	Diesel	PM2.5	3.740904	2.686225
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM2.5	1.359966	0.947546
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM2.5	1.471329	1.028677
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM2.5	0.116940	0.096293
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM2.5	8.827508	5.743384
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM2.5	1.829516	1.348757
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM2.5	0.000337	0.000341
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM2.5	0.062062	0.049057
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM2.5	2.318786	1.890779
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM2.5	0.501143	0.353129
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM2.5	2.608694	2.254477
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM2.5	0.279531	0.207906
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM2.5	0.008878	0.008088
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM2.5	0.000003	0.000002

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM2.5	0.098647	0.065554
2270005020	Agricultural Equipment	Combines	Diesel	PM2.5	0.010415	0.007171
2270005025	Agricultural Equipment	Balers	Diesel	PM2.5	0.000060	0.000045
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM2.5	0.000013	0.000010
2270005035	Agricultural Equipment	Sprayers	Diesel	PM2.5	0.000831	0.000573
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM2.5	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	PM2.5	0.000865	0.000668
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM2.5	0.002342	0.001482
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM2.5	0.001106	0.000742
2270006005	Commercial Equipment	Generator Sets	Diesel	PM2.5	5.901614	5.014294
2270006010	Commercial Equipment	Pumps	Diesel	PM2.5	1.431401	1.219129
2270006015	Commercial Equipment	Air Compressors	Diesel	PM2.5	3.398043	2.566399
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM2.5	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM2.5	3.536453	3.177699
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM2.5	0.165353	0.137619
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM2.5	0.151078	0.113241
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM2.5	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM2.5	0.008296	0.004688
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM2.5	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM2.5	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM2.5	0.054872	0.027384
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM2.5	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	PM2.5	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM2.5	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM2.5	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM2.5	18.298758	17.982190
2280003000	Marine Vessels	Commercial	Residual Fuel	PM2.5	11.151432	13.547875
2280004000	Marine Vessels	Commercial	Gasoline	PM2.5	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM2.5	3.334613	2.301357
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM2.5	1.329418	0.742439
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM2.5	0.076333	0.080280
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM2.5	0.258824	0.197827
2282020010	Pleasure Craft	Outboards	Diesel	PM2.5	0.004685	0.004139
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM2.5	4.455000	4.216700
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM2.5	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM2.5	0.068812	0.056868
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM2.5	0.000254	0.000205
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM2.5	0.000006	0.000006
Delaware County Total Annual PM2.5 Emissions					**176.480324**	**159.958331**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM10	3.312003	4.388390
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM10	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM10	3.264754	5.352091
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM10	0.013505	0.011616
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM10	0.345407	0.352160
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM10	0.014867	0.012441
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM10	0.017887	0.014995
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM10	0.000134	0.000115
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM10	0.911573	0.918063
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM10	0.003576	0.003058
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM10	0.016090	0.008627
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM10	0.001282	0.000687
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM10	0.157967	0.144499
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM10	0.695737	0.663117
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM10	2.201288	1.945383
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM10	12.042286	13.514970
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	3.013552	2.800898
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	7.227484	7.055298
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM10	1.966307	1.756347
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM10	7.742623	8.022116
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM10	0.946047	1.085356
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM10	2.121429	2.433820
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM10	0.002985	0.002792
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM10	0.000076	0.000073
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM10	0.252566	0.255581
2260006010	Commercial Equipment	Pumps	2 Stroke	PM10	1.766540	1.890428

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM10	0.000684	0.000709
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM10	0.010615	0.010987
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM10	0.003114	0.003930
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM10	0.046625	0.073170
2265001030	Recreational Equipment	ATVs	4 Stroke	PM10	0.420371	0.716814
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM10	0.132197	0.120533
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM10	0.010506	0.010114
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM10	0.003099	0.002590
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM10	0.000024	0.000019
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM10	0.008736	0.005965
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM10	0.005342	0.004706
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM10	0.013167	0.009651
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM10	0.005522	0.004073
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM10	0.000334	0.000218
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM10	0.010997	0.008297
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM10	0.004831	0.003405
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM10	0.020228	0.017944
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM10	0.012162	0.009745
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM10	0.000560	0.000548
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM10	0.001491	0.001128
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM10	0.000830	0.000842
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM10	0.002025	0.002064
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM10	0.006561	0.005622
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM10	0.003844	0.003431
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM10	0.001621	0.001360
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM10	0.000707	0.000718
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM10	0.021676	0.012674
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM10	0.062651	0.040049
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM10	0.020035	0.011105
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM10	0.059528	0.023649
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM10	0.001584	0.000905
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM10	0.001408	0.000713
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM10	0.006497	0.004141
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM10	0.797494	0.681288
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM10	0.575106	0.389241

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.059581	0.059328
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.315332	0.249981
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.004168	0.003678
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.010934	0.008345
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM10	0.008192	0.007146
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM10	0.297173	0.278363
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM10	0.028843	0.033102
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM10	0.064673	0.074223
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM10	0.082360	0.074939
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM10	0.034029	0.032002
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM10	0.038862	0.037583
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM10	0.039829	0.029368
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM10	1.141394	1.009281
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM10	0.477305	0.434903
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM10	0.070309	0.071924
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM10	1.551835	1.502917
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.072892	0.051712
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.081491	0.061655
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM10	0.000003	0.000003
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM10	0.000009	0.000009
2265005020	Agricultural Equipment	Combines	4 Stroke	PM10	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	PM10	0.000005	0.000006
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM10	0.000002	0.000002
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM10	0.000029	0.000027
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM10	0.000039	0.000044
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM10	0.000008	0.000009
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM10	0.000013	0.000014
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM10	0.000015	0.000016
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM10	0.829681	0.831592
2265006010	Commercial Equipment	Pumps	4 Stroke	PM10	0.275975	0.212633
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM10	0.123328	0.110035
2265006025	Commercial Equipment	Welders	4 Stroke	PM10	0.223474	0.230949
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM10	0.475279	0.405054
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM10	0.019341	0.017624
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM10	0.000065	0.000071

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM10	0.000001	0.000001
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM10	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM10	0.002557	0.002212
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM10	0.000525	0.000554
2267002003	Construction and Mining Equipment	Pavers	LPG	PM10	0.000375	0.000429
2267002015	Construction and Mining Equipment	Rollers	LPG	PM10	0.000636	0.000728
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM10	0.000098	0.000112
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM10	0.000065	0.000074
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM10	0.001147	0.001314
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM10	0.000372	0.000427
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM10	0.001111	0.001273
2267002045	Construction and Mining Equipment	Cranes	LPG	PM10	0.000401	0.000459
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM10	0.000067	0.000077
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM10	0.000727	0.000833
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM10	0.001819	0.002085
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM10	0.000194	0.000222
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM10	0.001491	0.001709
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM10	0.000597	0.000685
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM10	0.014397	0.017457
2267003020	Industrial Equipment	Forklifts	LPG	PM10	1.373568	1.662035
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM10	0.010579	0.012797
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM10	0.003215	0.003889
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM10	0.000778	0.000944
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM10	0.006476	0.007832
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM10	0.020014	0.023002
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM10	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM10	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	PM10	0.058431	0.083316
2267006010	Commercial Equipment	Pumps	LPG	PM10	0.013780	0.019632
2267006015	Commercial Equipment	Air Compressors	LPG	PM10	0.016755	0.023857
2267006025	Commercial Equipment	Welders	LPG	PM10	0.020863	0.029705
2267006030	Commercial Equipment	Pressure Washers	LPG	PM10	0.000271	0.000387
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM10	0.000261	0.000372
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM10	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM10	0.000024	0.000027

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003020	Industrial Equipment	Forklifts	CNG	PM10	0.100129	0.117222
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM10	0.000120	0.000140
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM10	0.000078	0.000092
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM10	0.000332	0.000388
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM10	0.000456	0.000534
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM10	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM10	0.000010	0.000001
2268006005	Commercial Equipment	Generator Sets	CNG	PM10	0.019338	0.024081
2268006010	Commercial Equipment	Pumps	CNG	PM10	0.000977	0.001216
2268006015	Commercial Equipment	Air Compressors	CNG	PM10	0.001410	0.001754
2268006020	Commercial Equipment	Gas Compressors	CNG	PM10	0.056683	0.070361
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM10	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM10	0.001580	0.001573
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM10	0.206482	0.173925
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM10	0.596054	0.417575
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM10	0.001637	0.001170
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM10	0.026811	0.019882
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM10	1.670172	1.176313
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM10	1.337914	0.862474
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM10	0.105384	0.074708
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM10	0.074488	0.050800
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM10	0.235889	0.152898
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM10	0.979568	0.695901
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM10	0.689815	0.510467
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM10	4.986046	3.542707
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM10	0.074884	0.052770
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM10	0.030260	0.025244
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM10	1.088649	0.682092
2270002048	Construction and Mining Equipment	Graders	Diesel	PM10	1.189833	0.845640
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM10	3.933487	2.352780
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM10	0.227805	0.146384
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM10	2.503508	1.819266
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM10	6.268034	4.292209
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM10	7.434405	6.582889
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM10	5.160289	3.548570

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM10	6.393950	5.577931
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM10	0.676814	0.413998
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM10	0.019797	0.017480
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM10	0.709730	0.470974
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM10	0.571105	0.512704
2270003020	Industrial Equipment	Forklifts	Diesel	PM10	3.856602	2.769304
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM10	1.402026	0.976851
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM10	1.516834	1.060492
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM10	0.120557	0.099271
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM10	9.100523	5.921015
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM10	1.886099	1.390471
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM10	0.000348	0.000352
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM10	0.063982	0.050574
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM10	2.390501	1.949257
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM10	0.516642	0.364050
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM10	2.689376	2.324203
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM10	0.288176	0.214336
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM10	0.009153	0.008338
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM10	0.000003	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM10	0.101698	0.067582
2270005020	Agricultural Equipment	Combines	Diesel	PM10	0.010737	0.007393
2270005025	Agricultural Equipment	Balers	Diesel	PM10	0.000062	0.000047
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM10	0.000013	0.000010
2270005035	Agricultural Equipment	Sprayers	Diesel	PM10	0.000857	0.000591
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM10	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	PM10	0.000892	0.000689
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM10	0.002415	0.001527
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM10	0.001140	0.000765
2270006005	Commercial Equipment	Generator Sets	Diesel	PM10	6.084138	5.169375
2270006010	Commercial Equipment	Pumps	Diesel	PM10	1.475671	1.256834
2270006015	Commercial Equipment	Air Compressors	Diesel	PM10	3.503137	2.645772
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM10	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM10	3.645827	3.275979
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM10	0.170467	0.141875
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM10	0.155750	0.116743

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM10	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM10	0.008552	0.004833
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM10	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM10	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM10	0.056569	0.028231
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM10	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	PM10	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM10	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM10	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM10	19.889955	19.545858
2280003000	Marine Vessels	Commercial	Residual Fuel	PM10	12.121122	14.725951
2280004000	Marine Vessels	Commercial	Gasoline	PM10	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM10	3.624579	2.501475
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM10	1.445020	0.806998
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM10	0.082970	0.087260
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM10	0.266829	0.203945
2282020010	Pleasure Craft	Outboards	Diesel	PM10	0.004830	0.004267
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM10	4.597500	4.351600
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM10	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM10	0.070941	0.058627
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM10	0.000276	0.000223
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM10	0.000006	0.000006
Delaware County Total Annual PM10 Emissions					**186.724897**	**169.912333**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NH3	0.007240	0.010840
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NH3	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NH3	0.005818	0.011710
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NH3	0.001535	0.001617
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NH3	0.000610	0.000438
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NH3	0.000034	0.000025
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NH3	0.000041	0.000030

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NH3	0.000000	0.000000
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NH3	0.001565	0.001124
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NH3	0.000008	0.000006
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NH3	0.000035	0.000017
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NH3	0.000003	0.000001
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.000394	0.000332
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.001695	0.001398
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NH3	0.005347	0.004407
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NH3	0.021014	0.017018
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.007401	0.006113
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.016469	0.013570
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NH3	0.004778	0.003936
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NH3	0.016031	0.013104
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NH3	0.001776	0.002037
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NH3	0.003983	0.004568
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NH3	0.000007	0.000006
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NH3	0.000000	0.000000
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NH3	0.000587	0.000521
2260006010	Commercial Equipment	Pumps	2 Stroke	NH3	0.003894	0.003539
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NH3	0.000001	0.000001
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NH3	0.000023	0.000021
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NH3	0.000005	0.000005
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NH3	0.002102	0.003288
2265001030	Recreational Equipment	ATVs	4 Stroke	NH3	0.020060	0.034129
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NH3	0.013510	0.013341
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NH3	0.001260	0.001231
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NH3	0.000341	0.000315
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NH3	0.000003	0.000002
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NH3	0.000616	0.000560
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NH3	0.000598	0.000554
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NH3	0.001203	0.001087
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NH3	0.000492	0.000455
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NH3	0.000025	0.000023
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NH3	0.001048	0.000963
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NH3	0.000348	0.000322

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NH3	0.002150	0.002026
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NH3	0.001083	0.000986
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NH3	0.000086	0.000081
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NH3	0.000140	0.000130
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NH3	0.000135	0.000124
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NH3	0.000331	0.000294
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NH3	0.000713	0.000666
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NH3	0.000510	0.000469
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NH3	0.000170	0.000154
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NH3	0.000116	0.000110
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NH3	0.003027	0.001803
2265003020	Industrial Equipment	Forklifts	4 Stroke	NH3	0.010140	0.005764
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NH3	0.002482	0.001380
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NH3	0.004280	0.002431
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NH3	0.000214	0.000126
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NH3	0.000150	0.000086
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NH3	0.001047	0.000544
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NH3	0.047427	0.049193
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NH3	0.031972	0.032552
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.004045	0.004156
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.016629	0.017625
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.000257	0.000269
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.000766	0.000786
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NH3	0.000493	0.000515
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NH3	0.032945	0.034042
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NH3	0.004560	0.005230
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NH3	0.010227	0.011729
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NH3	0.009682	0.009937
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NH3	0.003722	0.003896
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NH3	0.004505	0.004585
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NH3	0.001934	0.002043
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NH3	0.132015	0.133433
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NH3	0.051432	0.052969
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NH3	0.008819	0.009020
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NH3	0.158727	0.168543

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.004596	0.004772
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.005151	0.005349
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NH3	0.000000	0.000000
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NH3	0.000001	0.000001
2265005020	Agricultural Equipment	Combines	4 Stroke	NH3	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	NH3	0.000001	0.000001
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NH3	0.000000	0.000000
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NH3	0.000003	0.000003
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NH3	0.000006	0.000006
2265005045	Agricultural Equipment	Swathers	4 Stroke	NH3	0.000001	0.000001
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NH3	0.000002	0.000002
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NH3	0.000002	0.000002
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NH3	0.089369	0.097669
2265006010	Commercial Equipment	Pumps	4 Stroke	NH3	0.021441	0.023432
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NH3	0.011497	0.012733
2265006025	Commercial Equipment	Welders	4 Stroke	NH3	0.024683	0.027756
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NH3	0.038635	0.042257
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NH3	0.001807	0.002013
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NH3	0.000008	0.000009
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NH3	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NH3	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NH3	0.000262	0.000245
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NH3	0.000000	0.000000
2267002003	Construction and Mining Equipment	Pavers	LPG	NH3	0.000000	0.000000
2267002015	Construction and Mining Equipment	Rollers	LPG	NH3	0.000000	0.000000
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NH3	0.000000	0.000000
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NH3	0.000000	0.000000
2267002030	Construction and Mining Equipment	Trenchers	LPG	NH3	0.000000	0.000000
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NH3	0.000000	0.000000
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NH3	0.000000	0.000000
2267002045	Construction and Mining Equipment	Cranes	LPG	NH3	0.000000	0.000000
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NH3	0.000000	0.000000
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NH3	0.000000	0.000000
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NH3	0.000000	0.000000
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NH3	0.000000	0.000000
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NH3	0.000000	0.000000
2267003010	Industrial Equipment	Aerial Lifts	LPG	NH3	0.000000	0.000000
2267003020	Industrial Equipment	Forklifts	LPG	NH3	0.000000	0.000000
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NH3	0.000000	0.000000
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NH3	0.000000	0.000000
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NH3	0.000000	0.000000
2267003070	Industrial Equipment	Terminal Tractors	LPG	NH3	0.000000	0.000000
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NH3	0.000000	0.000000
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NH3	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NH3	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	NH3	0.000000	0.000000
2267006010	Commercial Equipment	Pumps	LPG	NH3	0.000000	0.000000
2267006015	Commercial Equipment	Air Compressors	LPG	NH3	0.000000	0.000000
2267006025	Commercial Equipment	Welders	LPG	NH3	0.000000	0.000000
2267006030	Commercial Equipment	Pressure Washers	LPG	NH3	0.000000	0.000000
2267006035	Commercial Equipment	Hydro Power Units	LPG	NH3	0.000000	0.000000
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NH3	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NH3	0.000000	0.000000
2268003020	Industrial Equipment	Forklifts	CNG	NH3	0.000000	0.000000
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NH3	0.000000	0.000000
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NH3	0.000000	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NH3	0.000000	0.000000
2268003070	Industrial Equipment	Terminal Tractors	CNG	NH3	0.000000	0.000000
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NH3	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NH3	0.000000	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	NH3	0.000000	0.000000
2268006010	Commercial Equipment	Pumps	CNG	NH3	0.000000	0.000000
2268006015	Commercial Equipment	Air Compressors	CNG	NH3	0.000000	0.000000
2268006020	Commercial Equipment	Gas Compressors	CNG	NH3	0.000000	0.000000
2268006035	Commercial Equipment	Hydro Power Units	CNG	NH3	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NH3	0.000000	0.000000
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NH3	0.000757	0.000908
2270002003	Construction and Mining Equipment	Pavers	Diesel	NH3	0.004547	0.005406
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NH3	0.000018	0.000022

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NH3	0.000122	0.000146
2270002015	Construction and Mining Equipment	Rollers	Diesel	NH3	0.011384	0.013534
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NH3	0.012375	0.014711
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NH3	0.000684	0.000813
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NH3	0.000422	0.000502
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NH3	0.001259	0.001497
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NH3	0.005400	0.006420
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NH3	0.004650	0.005528
2270002036	Construction and Mining Equipment	Excavators	Diesel	NH3	0.046131	0.054842
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NH3	0.000382	0.000454
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NH3	0.000182	0.000216
2270002045	Construction and Mining Equipment	Cranes	Diesel	NH3	0.010530	0.012518
2270002048	Construction and Mining Equipment	Graders	Diesel	NH3	0.011481	0.013649
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NH3	0.039426	0.046871
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NH3	0.001860	0.002211
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NH3	0.014771	0.017560
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NH3	0.050219	0.059702
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NH3	0.030544	0.036312
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NH3	0.045943	0.054619
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NH3	0.020970	0.024930
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NH3	0.004948	0.005883
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NH3	0.000065	0.000077
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NH3	0.004738	0.005633
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NH3	0.001971	0.002402
2270003020	Industrial Equipment	Forklifts	Diesel	NH3	0.028448	0.034673
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NH3	0.012423	0.015141
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NH3	0.012610	0.015369
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NH3	0.000487	0.000593
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NH3	0.061562	0.075032
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NH3	0.017923	0.021845
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NH3	0.000002	0.000003
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NH3	0.000502	0.000678
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NH3	0.013331	0.018001
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NH3	0.002752	0.003716
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NH3	0.018137	0.024492

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NH3	0.002139	0.002889
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NH3	0.000051	0.000068
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NH3	0.000000	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NH3	0.000504	0.000590
2270005020	Agricultural Equipment	Combines	Diesel	NH3	0.000045	0.000053
2270005025	Agricultural Equipment	Balers	Diesel	NH3	0.000000	0.000000
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NH3	0.000000	0.000000
2270005035	Agricultural Equipment	Sprayers	Diesel	NH3	0.000004	0.000004
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NH3	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	NH3	0.000004	0.000004
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NH3	0.000010	0.000012
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NH3	0.000007	0.000008
2270006005	Commercial Equipment	Generator Sets	Diesel	NH3	0.036034	0.045095
2270006010	Commercial Equipment	Pumps	Diesel	NH3	0.008500	0.010638
2270006015	Commercial Equipment	Air Compressors	Diesel	NH3	0.023559	0.029483
2270006020	Commercial Equipment	Gas Compressors	Diesel	NH3	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NH3	0.012011	0.015031
2270006030	Commercial Equipment	Pressure Washers	Diesel	NH3	0.001153	0.001443
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NH3	0.001022	0.001279
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NH3	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NH3	0.000086	0.000081
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NH3	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NH3	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NH3	0.000517	0.000515
2275000000	Aicraft	All Aircraft Types and Operations	Other	NH3	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	NH3	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NH3	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NH3	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NH3	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NH3	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NH3	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NH3	0.031197	0.029894
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NH3	0.012401	0.011181
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NH3	0.014644	0.014861
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NH3	0.006170	0.007396

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2282020010	Pleasure Craft	Outboards	Diesel	NH3	0.000027	0.000032
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NH3	0.000000	0.000000
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NH3	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NH3	0.000284	0.000352
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NH3	0.000028	0.000027
2285006015	Railroad Equipment	Railway Maintenance	LPG	NH3	0.000000	0.000000
Delaware County Total Annual PM10 Emissions					**1.530654**	**1.694453**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	74.165756	108.670660
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	73.124786	153.921280
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	47.212333	52.681391
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	13.393235	11.084669
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	0.645583	0.413401
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	0.774803	0.498679
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.005666	0.003832
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	35.391764	28.715273
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.151039	0.101754
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	0.674689	0.287073
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.053754	0.022872
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	7.667842	4.895089
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	31.982991	21.665160
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	100.019610	65.338913
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	470.445085	424.014912
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	144.290274	84.496066
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	317.882827	231.919009
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	90.049015	57.274214
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	320.568850	258.934000
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	51.867623	59.505209
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	116.308777	133.435486
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.130774	0.092522

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.003502	0.002051
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	11.026581	8.381463
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	77.644912	55.075278
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.028735	0.023592
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.446619	0.365623
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.120092	0.122373
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	32.487801	45.273884
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	292.863890	480.754850
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	605.489620	664.462890
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	40.935903	41.821762
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	11.805554	12.168842
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.093367	0.101531
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	21.801279	22.586199
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	22.126154	22.562248
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	42.685607	45.124447
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	19.348074	20.386996
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	0.984561	1.026187
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	36.183868	36.860012
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	10.660454	10.613364
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	89.356322	92.702920
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	37.374591	38.391000
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	1.495721	1.270878
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	5.247092	5.513709
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	1.952420	1.289361
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	4.681143	2.461946
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	28.139183	29.840905
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	12.448566	12.062030
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	5.819537	5.971313
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	1.641264	1.268130
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	64.284427	40.288884
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	145.317104	57.737774
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	62.467436	32.866748
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	159.362274	100.299572
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	4.914586	3.117918
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	5.739265	3.902158

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2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	15.090601	2.686171
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	1485.327711	1572.194488
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	1119.888823	1254.812259
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	125.114340	132.057970
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	545.588620	618.684270
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	8.341475	8.845724
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	27.811341	32.481416
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	15.944457	16.894438
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	1113.092549	1307.553515
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	154.959756	177.827964
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	347.465530	398.743375
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	349.313510	393.298066
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	144.119119	174.607442
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	155.635742	181.071965
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	62.518331	70.914173
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	4644.504901	5270.725749
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	1938.420045	2373.790109
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	257.431227	272.049520
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	5995.890599	6867.397978
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	151.603761	161.206127
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	169.515140	192.017848
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.012341	0.014638
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.024961	0.020386
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000120	0.000108
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.011346	0.010253
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.009597	0.011178
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.082142	0.089197
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.204256	0.223358
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.017972	0.016240
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.037287	0.038053
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.034977	0.018339
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	3153.588930	4011.945180
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	728.712264	902.750149
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	361.989458	440.485879
2265006025	Commercial Equipment	Welders	4 Stroke	CO	909.415838	1145.376428

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	1381.159329	1758.533171
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	69.891933	89.490830
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.262863	0.332536
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.003134	0.003965
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	11.774799	12.195541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.448286	0.416821
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.320550	0.253243
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	0.545089	0.353352
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.083634	0.077528
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.055339	0.042145
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	0.980910	0.791761
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.316776	0.314160
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	0.955844	0.488918
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	0.342016	0.316731
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.056971	0.052222
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	0.621527	0.530015
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	1.557640	1.199568
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.166278	0.115947
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	1.272876	1.134845
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	0.509463	0.479857
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	12.268815	11.884362
2267003020	Industrial Equipment	Forklifts	LPG	CO	1175.294915	949.952904
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	9.079920	5.878639
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	2.753134	2.013454
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	0.663562	0.637448
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	5.562531	3.080870
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	17.142325	12.455826
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000085	0.000077
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000073	0.000046
2267006005	Commercial Equipment	Generator Sets	LPG	CO	34.107781	40.474205
2267006010	Commercial Equipment	Pumps	LPG	CO	8.078684	8.796494
2267006015	Commercial Equipment	Air Compressors	LPG	CO	9.851085	10.098656
2267006025	Commercial Equipment	Welders	LPG	CO	17.776962	18.047025
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.230450	0.257379

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.153754	0.143857
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.020097	0.018929
2268003020	Industrial Equipment	Forklifts	CNG	CO	85.710533	67.615044
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.102502	0.080359
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.066997	0.050960
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.284389	0.198836
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.391742	0.211524
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000113	0.000052
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.008626	0.000586
2268006005	Commercial Equipment	Generator Sets	CNG	CO	11.325749	12.146772
2268006010	Commercial Equipment	Pumps	CNG	CO	0.573768	0.580569
2268006015	Commercial Equipment	Air Compressors	CNG	CO	0.830750	0.773060
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	49.714689	5.954116
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	1.368795	0.251694
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	1.378584	1.206616
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	3.255652	2.408325
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.008209	0.008773
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.131464	0.129202
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	9.368025	7.133020
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	8.465044	6.477957
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	0.607766	0.445849
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	0.458541	0.353947
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	1.196810	0.904872
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	5.624097	4.429885
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	3.378423	2.826612
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	25.987894	19.942908
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	0.434916	0.334618
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.149201	0.143975
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	4.744457	3.573883
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	6.121667	4.434682
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	26.554184	16.414280
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	1.111153	0.861361
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	13.988069	11.434028

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	35.981526	27.090176
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	43.951827	41.738453
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	30.791847	23.124841
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	38.436339	35.897672
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	4.665491	3.207842
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.109881	0.109411
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	4.469984	3.339597
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	3.257896	3.356063
2270003020	Industrial Equipment	Forklifts	Diesel	CO	19.785347	21.034681
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	6.088113	4.988427
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	6.603220	5.278598
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	0.605057	0.577842
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	40.835157	37.715935
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	8.367156	7.896707
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.001916	0.002186
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.328485	0.299141
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	12.109213	11.006709
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	2.646054	2.296065
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	12.907752	12.884172
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	1.361450	1.129973
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.043202	0.045928
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000019	0.000017
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.505816	0.383560
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.031505	0.029516
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000263	0.000255
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000060	0.000059
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.003548	0.003051
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000007	0.000006
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.003031	0.003373
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.010048	0.007931
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.004502	0.003789
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	29.850082	28.362212
2270006010	Commercial Equipment	Pumps	Diesel	CO	6.941690	6.724557
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	15.835663	14.625604
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270006025	Commercial Equipment	Welders	Diesel	CO	23.499095	22.020982
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	0.898843	0.845662
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	0.715504	0.640321
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.039663	0.026667
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.000000	0.000000
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.294946	0.173329
2275000000	Aicraft	All Aircraft Types and Operations	Other	CO	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	79.937800	85.109776
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	29.668778	37.062237
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	351.170697	297.011417
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	127.083077	115.835713
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	176.864459	159.345105
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	1.527406	1.820608
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.026217	0.023159
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	18.525300	20.702400
2285002010	Railroad Equipment	Yard Locomotives	Diesel	CO	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.400508	0.355030
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	0.984511	1.116902
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.004792	0.004319
Delaware County Total Annual CO Emissions					**31901.330626**	**35712.979936**

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.788551	1.500819
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.797319	2.082738
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	1.179568	0.900663
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.281262	0.146708
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.004119	0.009595
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.004985	0.011487
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000042	0.000085
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.673841	0.377480
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.001111	0.002259
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.005402	0.006581
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000430	0.000524
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.019842	0.047424
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.194644	0.524248
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.258802	0.685708
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	8.874388	5.965681
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.397149	0.962635
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	2.652420	5.248077
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.236351	0.615083
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	4.223302	4.894127
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.059770	0.068552
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.303358	0.347929
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000823	0.002263
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000341	0.000837
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.058525	0.165347
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.465155	1.125532
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000184	0.000438
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.002826	0.006790
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.004779	0.003020
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	1.114503	1.648962
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	10.061386	14.999520
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	19.582624	16.602434
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	1.034801	1.068895
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.514705	0.332391
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.002860	0.002057

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2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.611395	0.409998
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.881873	0.533414
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	1.283984	0.924371
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.533608	0.378736
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.025045	0.017155
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	1.553536	0.991022
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.488146	0.359242
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	2.642184	1.779824
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	0.997422	0.867283
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.255752	0.180898
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.172699	0.124421
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.440778	0.263904
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	1.090637	0.523318
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.828577	0.598049
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	1.162903	0.778906
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.163357	0.145616
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.380591	0.277835
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	8.173440	4.330785
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	34.504798	12.648349
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	6.144366	1.730819
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	5.426938	2.071336
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.541846	0.279609
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.075230	0.033976
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	3.563551	0.565526
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	17.605168	16.464894
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	30.217233	20.578831
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	1.494012	1.388425
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	15.231641	13.632277
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.101164	0.085975
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.783424	0.601358
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.194131	0.164440
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	51.713980	38.758357
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	1.651541	1.894192
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	8.382254	9.613810
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	4.592217	3.812741

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	4.191452	3.503792
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	4.422412	4.439993
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	1.732483	1.615563
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	63.092985	51.332252
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	58.546427	47.656869
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	18.710069	10.866459
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	205.040200	142.167786
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	1.730073	1.755018
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	4.550093	4.787745
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.005159	0.004172
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.057440	0.031370
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000432	0.000375
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.040830	0.035442
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.004216	0.003630
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.066424	0.060424
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.063673	0.075083
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.064671	0.056137
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.077311	0.067401
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.112514	0.047186
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	75.819647	71.872332
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	22.945865	17.901546
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	15.812055	11.584126
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	28.550041	23.886491
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	33.447574	27.746447
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	1.667146	1.419921
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.013711	0.016082
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000154	0.000121
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.002748	0.001364
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.628038	0.506305
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.298798	0.248756
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.240614	0.133599
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.405348	0.158816
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.063444	0.048438
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.041411	0.021228
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.736488	0.426868

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.242380	0.211189
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.702020	0.187864
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.259290	0.197370
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.043163	0.032201
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.468253	0.302105
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	1.165072	0.603227
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.123777	0.052988
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	0.962657	0.682141
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.387083	0.304790
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	9.659760	7.633396
2267003020	Industrial Equipment	Forklifts	LPG	NOx	910.475184	493.576566
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	6.947690	2.576358
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	2.124811	0.969171
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.521734	0.404395
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	4.242755	1.070418
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	13.246921	6.162463
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000970	0.000787
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000816	0.000316
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	32.409592	31.269189
2267006010	Commercial Equipment	Pumps	LPG	NOx	7.547514	6.030742
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	9.099146	6.292389
2267006025	Commercial Equipment	Welders	LPG	NOx	11.344479	8.345309
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.149066	0.133017
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.141292	0.079036
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.002986	0.001580
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.015270	0.012035
2268003020	Industrial Equipment	Forklifts	CNG	NOx	66.289749	35.358974
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.079219	0.041705
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.051791	0.025482
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.096702	0.040466
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.298664	0.074306
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.001173	0.000536
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.091587	0.005934
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	10.622797	9.661716
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.532657	0.427900

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.761926	0.501963
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	28.137228	2.894649
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	2.318669	0.240566
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	3.089814	3.098639
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	19.419717	15.818061
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.042679	0.035802
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.665765	0.560588
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	48.183589	40.851091
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	55.785634	44.592192
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	3.070973	2.573627
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	2.069259	1.860913
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	5.818731	5.166089
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	22.414340	20.613461
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	26.610865	24.365486
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	192.596449	148.912193
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	1.507078	1.415395
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	0.999799	0.941944
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	52.449760	42.250403
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	48.936172	37.484574
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	181.654577	147.096178
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	9.208746	7.743140
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	61.562299	54.950980
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	235.837378	196.427057
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	143.282002	132.754322
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	207.227161	167.182160
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	91.868157	90.695468
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	25.012144	21.541401
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.295686	0.292856
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	24.288790	20.764124
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	10.043738	9.719430
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	105.992334	89.947841
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	56.193185	46.675561
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	63.998994	52.997309
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	2.960086	2.684099

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	109.058141	103.063756
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	72.516578	56.278415
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.009823	0.011241
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	2.636680	2.802771
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	60.340800	64.792316
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	13.316335	12.960460
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	90.161218	98.472772
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	9.092777	9.161738
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.236634	0.262831
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000879	0.000634
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	38.047794	33.096449
2270005020	Agricultural Equipment	Combines	Diesel	NOx	3.857668	3.458445
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.016535	0.016572
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.003526	0.003247
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.273395	0.264586
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000450	0.000430
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.270112	0.251649
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.794797	0.697890
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.498494	0.445532
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	141.106870	146.939545
2270006010	Commercial Equipment	Pumps	Diesel	NOx	33.592777	34.813936
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	84.792074	82.535325
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	41.055409	43.835813
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	4.713773	4.884066
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	3.667670	3.568549
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.691722	0.409340
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	0.115390	0.104650
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	6.273904	4.530804
2275000000	Aicraft	All Aircraft Types and Operations	Other	NOx	11.582698	12.018208
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2280002000	Marine Vessels	Commercial	Diesel	NOx	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	2.913113	5.156725
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	0.815562	1.684125
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	6.611586	7.961933
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	6.248307	7.039018
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.023528	0.025052
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	554.184400	418.963400
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NOx	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.957099	0.922326
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.021058	0.015605
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.002364	0.001694
Montgomery County Total Annual NOx Emissions					**4926.045221**	**3832.515184**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	237.755507	316.241407
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	237.224935	392.732548
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	4.819254	3.839307
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	16.937235	7.304277
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	1.026296	0.256928
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	1.222745	0.305677
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.008777	0.002633
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	45.228363	18.043844
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.227054	0.061852
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	1.034913	0.183116
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.082120	0.014377
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	5.625218	2.131756
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	52.068131	14.479981
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	72.559517	21.359025
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	626.979813	270.981198
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	107.261438	34.180160

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	494.089047	138.159149
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	70.375379	24.507286
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	473.773022	160.985325
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	42.364177	48.600426
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	185.789972	213.147616
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.212900	0.053452
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.085904	0.021539
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	14.581325	4.202687
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	99.932186	30.537848
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.035422	0.011653
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.552616	0.180767
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.298211	0.150836
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	8.619239	11.532048
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	89.673824	129.171343
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	53.265286	45.458487
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	5.205079	4.534161
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.864938	0.574676
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.007450	0.005189
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	3.396284	2.059678
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	1.399939	0.980347
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	4.772197	2.988127
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	1.744078	1.069679
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.122048	0.067878
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	3.445053	2.006733
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	2.027210	1.292533
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	5.031760	3.753643
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	5.119806	3.698556
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.174054	0.124288
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.454669	0.281921
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.259253	0.154710
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.628391	0.293393
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	1.700151	1.259272
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	1.182108	0.800085
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.728046	0.532662
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.223075	0.163543

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	7.035440	3.526878
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	20.032789	7.277083
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	6.158270	1.952055
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	21.853011	6.743880
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.501596	0.245535
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.193974	0.089677
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	2.058449	0.270985
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	200.709497	181.269265
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	245.553701	147.948988
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	16.752499	15.101060
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	117.216379	98.679535
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	1.058321	0.941793
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	4.064993	2.670946
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	2.124169	1.888872
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	81.958118	61.087158
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	16.523089	18.953539
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	26.956523	30.931362
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	19.704625	18.029430
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	9.561557	7.849027
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	16.012252	13.706475
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	14.405797	12.307773
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	235.650887	204.030061
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	129.070738	100.859714
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	19.467672	13.258966
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	474.150998	366.423181
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	12.218265	10.257904
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	31.764065	27.759406
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.012157	0.009674
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.039531	0.022644
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000271	0.000239
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.027432	0.024340
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.012703	0.009496
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.181927	0.148508
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.366441	0.349401
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.040852	0.036041

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.068439	0.057057
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.072057	0.029386
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	280.742599	238.188893
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	82.577981	51.532384
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	33.414347	22.867342
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	52.521856	46.156143
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	145.453349	108.006735
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	5.146677	4.017533
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.053513	0.046023
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000914	0.000517
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.002708	0.001362
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	1.393896	1.072918
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.080953	0.068350
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.065587	0.037444
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.111272	0.044558
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.017157	0.013420
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.011314	0.005964
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.200716	0.119723
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.065127	0.057766
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.194525	0.051477
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.070153	0.054739
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.011684	0.008943
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.127286	0.084602
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.318426	0.170756
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.033952	0.014998
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.260930	0.189590
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.104557	0.084254
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	2.602018	2.109126
2267003020	Industrial Equipment	Forklifts	LPG	VOC	248.251729	139.422669
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	1.912052	0.720678
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.580990	0.272853
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.140682	0.112108
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	1.170442	0.295699
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	3.623176	1.740816
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000264	0.000217

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000224	0.000090
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	6.581156	6.433574
2267006010	Commercial Equipment	Pumps	LPG	VOC	1.552070	1.251164
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	1.887145	1.312715
2267006025	Commercial Equipment	Welders	LPG	VOC	3.054765	2.326428
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.039736	0.036472
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.029416	0.016155
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000812	0.000445
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000243	0.000196
2268003020	Industrial Equipment	Forklifts	CNG	VOC	1.066630	0.589635
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.001275	0.000696
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000834	0.000425
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.001562	0.000670
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.004858	0.001214
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000020	0.000009
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.001543	0.000103
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.128383	0.118192
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.006487	0.005268
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.009364	0.006227
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.489175	0.029128
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.038758	0.002999
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.987890	0.842766
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	1.872787	1.307494
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.006939	0.005557
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.116350	0.086957
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	5.308719	3.542688
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	3.895267	2.581803
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.342255	0.237211
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.236130	0.161112
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	1.147747	0.696912
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	3.160893	2.057518
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	2.478415	2.052627
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	15.370078	11.243626
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.254640	0.151357

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.119188	0.106337
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	4.003945	2.882950
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	3.826966	2.829537
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	13.246576	8.192687
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.816235	0.570014
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	7.633514	5.314386
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	19.105426	14.042103
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	32.981623	28.087651
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	16.601066	11.457023
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	31.842893	25.600149
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	2.246044	1.418397
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.096778	0.084851
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	2.095847	1.520123
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	2.961696	2.665978
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	10.454459	7.615560
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	5.407140	3.774355
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	5.853150	4.329300
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.550911	0.486953
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	14.779593	9.195604
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	5.727722	4.601189
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.001981	0.001947
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.253179	0.229208
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	11.893219	8.821139
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	2.633915	1.826650
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	10.194978	9.541986
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	1.229254	0.768534
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.037868	0.034903
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000158	0.000103
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	4.725165	3.242903
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.344125	0.300947
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.003483	0.002691
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000561	0.000449
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.050198	0.036492
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000052	0.000041
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.030982	0.028704

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.105334	0.073454
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.064837	0.043925
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	21.415801	18.503663
2270006010	Commercial Equipment	Pumps	Diesel	VOC	4.709222	4.149418
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	10.615368	7.989542
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	16.160298	13.567475
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.673169	0.605499
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.494495	0.354201
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.050300	0.031163
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	0.009730	0.007748
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.514324	0.286933
2275000000	Aicraft	All Aircraft Types and Operations	Other	VOC	9.141467	9.485186
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	134.150947	99.589780
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	46.509984	27.601696
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	8.892659	8.756278
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.233763	0.255265
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.005873	0.004659
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	23.952700	23.514300
2285002010	Railroad Equipment	Yard Locomotives	Diesel	VOC	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.185660	0.164253
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.056404	0.038346
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000640	0.000472

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
Montgomery County Total Annual VOC Emissions					**6116.803162**	**4299.532091**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	SO2	0.152638	0.057080
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	SO2	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	SO2	0.094671	0.055374
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	SO2	0.062877	0.015034
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	SO2	0.018227	0.003676
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	SO2	0.000985	0.000239
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	SO2	0.001175	0.000285
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	SO2	0.000009	0.000002
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	SO2	0.045415	0.009477
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	SO2	0.000228	0.000056
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	SO2	0.001067	0.000162
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	SO2	0.000085	0.000013
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.004970	0.001278
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.049868	0.013470
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	SO2	0.068248	0.017635
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	SO2	0.629077	0.149527
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.092726	0.024469
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.492467	0.131158
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	SO2	0.060619	0.015760
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	SO2	0.483620	0.122418
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	SO2	0.015027	0.003862
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	SO2	0.076277	0.019604
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	SO2	0.000208	0.000057
2260005035	Agricultural Equipment	Sprayers	2 Stroke	SO2	0.000076	0.000021
2260006005	Commercial Equipment	Generator Sets	2 Stroke	SO2	0.014071	0.004119
2260006010	Commercial Equipment	Pumps	2 Stroke	SO2	0.090934	0.027555
2260006015	Commercial Equipment	Air Compressors	2 Stroke	SO2	0.000037	0.000011
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	SO2	0.000568	0.000167
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	SO2	0.000300	0.000076
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	SO2	0.085580	0.030052

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265001030	Recreational Equipment	ATVs	4 Stroke	SO2	0.818372	0.313390
2265001050	Recreational Equipment	Golf Carts	4 Stroke	SO2	0.897887	0.200138
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	SO2	0.051202	0.011279
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	SO2	0.015827	0.003309
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	SO2	0.000120	0.000025
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	SO2	0.027322	0.005755
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	SO2	0.027826	0.005834
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	SO2	0.054833	0.011336
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	SO2	0.022488	0.004760
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	SO2	0.001122	0.000239
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	SO2	0.048034	0.010092
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	SO2	0.015430	0.003303
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	SO2	0.099953	0.021280
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	SO2	0.049171	0.010179
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	SO2	0.004023	0.000853
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	SO2	0.006413	0.001357
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	SO2	0.006364	0.001318
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	SO2	0.015573	0.003133
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	SO2	0.033114	0.006993
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	SO2	0.023832	0.004949
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	SO2	0.007803	0.001609
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	SO2	0.005466	0.001168
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	SO2	0.146149	0.019618
2265003020	Industrial Equipment	Forklifts	4 Stroke	SO2	0.491848	0.063167
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	SO2	0.119269	0.015069
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	SO2	0.197133	0.026081
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	SO2	0.010306	0.001375
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	SO2	0.003172	0.000410
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	SO2	0.050759	0.006008
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	SO2	0.912564	0.208162
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	SO2	1.417439	0.341543
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.077729	0.017534
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.742546	0.180855
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.004936	0.001142
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.035192	0.008354

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	SO2	0.009470	0.002184
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	SO2	1.580842	0.370119
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	SO2	0.097355	0.025032
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	SO2	0.494120	0.127050
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	SO2	0.200328	0.044753
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	SO2	0.178735	0.042337
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	SO2	0.215453	0.049659
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	SO2	0.086184	0.020925
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	SO2	2.728616	0.600930
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	SO2	2.467754	0.575570
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	SO2	0.425758	0.098555
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	SO2	7.561239	1.822616
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.091254	0.020779
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.237252	0.056189
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	SO2	0.000220	0.000050
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	SO2	0.000938	0.000208
2265005020	Agricultural Equipment	Combines	4 Stroke	SO2	0.000006	0.000001
2265005025	Agricultural Equipment	Balers	4 Stroke	SO2	0.000585	0.000139
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	SO2	0.000189	0.000042
2265005035	Agricultural Equipment	Sprayers	4 Stroke	SO2	0.001978	0.000458
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	SO2	0.004294	0.001013
2265005045	Agricultural Equipment	Swathers	4 Stroke	SO2	0.000927	0.000220
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	SO2	0.001355	0.000317
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	SO2	0.001644	0.000354
2265006005	Commercial Equipment	Generator Sets	4 Stroke	SO2	3.439458	0.854015
2265006010	Commercial Equipment	Pumps	4 Stroke	SO2	0.806243	0.204329
2265006015	Commercial Equipment	Air Compressors	4 Stroke	SO2	0.440167	0.111702
2265006025	Commercial Equipment	Welders	4 Stroke	SO2	0.959248	0.244052
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	SO2	1.457524	0.366469
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	SO2	0.069368	0.017630
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	SO2	0.000705	0.000179
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	SO2	0.000007	0.000002
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	SO2	0.000048	0.000010
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	SO2	0.028923	0.006103
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	SO2	0.000325	0.000326

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002003	Construction and Mining Equipment	Pavers	LPG	SO2	0.000261	0.000263
2267002015	Construction and Mining Equipment	Rollers	LPG	SO2	0.000439	0.000427
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	SO2	0.000069	0.000073
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	SO2	0.000045	0.000045
2267002030	Construction and Mining Equipment	Trenchers	LPG	SO2	0.000799	0.000810
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	SO2	0.000264	0.000285
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	SO2	0.000760	0.000719
2267002045	Construction and Mining Equipment	Cranes	LPG	SO2	0.000282	0.000297
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	SO2	0.000047	0.000049
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	SO2	0.000508	0.000523
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	SO2	0.001264	0.001262
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	SO2	0.000134	0.000131
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	SO2	0.001045	0.001091
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	SO2	0.000421	0.000446
2267003010	Industrial Equipment	Aerial Lifts	LPG	SO2	0.010501	0.011664
2267003020	Industrial Equipment	Forklifts	LPG	SO2	0.987780	1.040212
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	SO2	0.007526	0.007651
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	SO2	0.002304	0.002384
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	SO2	0.000567	0.000628
2267003070	Industrial Equipment	Terminal Tractors	LPG	SO2	0.004594	0.004549
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	SO2	0.014364	0.014215
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	SO2	0.000001	0.000001
2267005060	Agricultural Equipment	Irrigation Sets	LPG	SO2	0.000001	0.000001
2267006005	Commercial Equipment	Generator Sets	LPG	SO2	0.035434	0.046633
2267006010	Commercial Equipment	Pumps	LPG	SO2	0.008236	0.010536
2267006015	Commercial Equipment	Air Compressors	LPG	SO2	0.009915	0.012450
2267006025	Commercial Equipment	Welders	LPG	SO2	0.012333	0.015516
2267006030	Commercial Equipment	Pressure Washers	LPG	SO2	0.000162	0.000210
2267006035	Commercial Equipment	Hydro Power Units	LPG	SO2	0.000154	0.000189
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	SO2	0.000003	0.000004
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	SO2	0.000014	0.000015
2268003020	Industrial Equipment	Forklifts	CNG	SO2	0.060694	0.066733
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	SO2	0.000073	0.000080
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	SO2	0.000047	0.000052
2268003060	Industrial Equipment	AC\Refrigeration	CNG	SO2	0.000088	0.000096

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003070	Industrial Equipment	Terminal Tractors	CNG	SO2	0.000272	0.000294
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	SO2	0.000001	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	SO2	0.000082	0.000005
2268006005	Commercial Equipment	Generator Sets	CNG	SO2	0.010247	0.012277
2268006010	Commercial Equipment	Pumps	CNG	SO2	0.000513	0.000608
2268006015	Commercial Equipment	Air Compressors	CNG	SO2	0.000731	0.000854
2268006020	Commercial Equipment	Gas Compressors	CNG	SO2	0.024978	0.029876
2268006035	Commercial Equipment	Hydro Power Units	CNG	SO2	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	SO2	0.002092	0.001972
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	SO2	0.344350	0.063142
2270002003	Construction and Mining Equipment	Pavers	Diesel	SO2	2.367865	0.429688
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	SO2	0.009481	0.001720
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	SO2	0.063474	0.011536
2270002015	Construction and Mining Equipment	Rollers	Diesel	SO2	5.924941	1.075482
2270002018	Construction and Mining Equipment	Scrapers	Diesel	SO2	6.448543	1.169902
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	SO2	0.355826	0.064591
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	SO2	0.219666	0.039884
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	SO2	0.652965	0.118759
2270002030	Construction and Mining Equipment	Trenchers	Diesel	SO2	2.808027	0.509958
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	SO2	2.418693	0.438883
2270002036	Construction and Mining Equipment	Excavators	Diesel	SO2	24.035665	4.360182
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	SO2	0.198566	0.036081
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	SO2	0.094329	0.017117
2270002045	Construction and Mining Equipment	Cranes	Diesel	SO2	5.484230	0.995043
2270002048	Construction and Mining Equipment	Graders	Diesel	SO2	5.981896	1.085126
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	SO2	20.541876	3.727397
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	SO2	0.968394	0.175747
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	SO2	7.684654	1.395013
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	SO2	26.155682	4.745428
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	SO2	15.817603	2.873598
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	SO2	23.932513	4.342302
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	SO2	10.820242	1.968732
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	SO2	2.575682	0.467564
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	SO2	0.033398	0.006072
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	SO2	2.466496	0.447596

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270003010	Industrial Equipment	Aerial Lifts	Diesel	SO2	1.050489	0.195776
2270003020	Industrial Equipment	Forklifts	Diesel	SO2	15.300280	2.845874
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	SO2	6.677972	1.242488
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	SO2	6.776818	1.260846
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	SO2	0.260292	0.048478
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	SO2	14.608280	2.719690
2270003070	Industrial Equipment	Terminal Tractors	Diesel	SO2	9.643240	1.793108
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	SO2	0.001035	0.000214
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	SO2	0.270288	0.055708
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	SO2	7.151895	1.476795
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	SO2	1.475464	0.304821
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	SO2	9.756074	2.010882
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	SO2	1.150601	0.237411
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	SO2	0.027214	0.005612
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	SO2	0.000089	0.000016
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	SO2	3.948209	0.705682
2270005020	Agricultural Equipment	Combines	Diesel	SO2	0.354781	0.063345
2270005025	Agricultural Equipment	Balers	Diesel	SO2	0.001980	0.000354
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	SO2	0.000391	0.000070
2270005035	Agricultural Equipment	Sprayers	Diesel	SO2	0.030038	0.005372
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	SO2	0.000048	0.000009
2270005045	Agricultural Equipment	Swathers	Diesel	SO2	0.027840	0.004970
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	SO2	0.077094	0.013783
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	SO2	0.056670	0.010128
2270006005	Commercial Equipment	Generator Sets	Diesel	SO2	15.655373	2.991814
2270006010	Commercial Equipment	Pumps	Diesel	SO2	3.694396	0.705878
2270006015	Commercial Equipment	Air Compressors	Diesel	SO2	10.249654	1.958669
2270006020	Commercial Equipment	Gas Compressors	Diesel	SO2	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	SO2	5.180004	0.992456
2270006030	Commercial Equipment	Pressure Washers	Diesel	SO2	0.500833	0.095693
2270006035	Commercial Equipment	Hydro Power Units	Diesel	SO2	0.444500	0.084965
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	SO2	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	SO2	0.088813	0.012733
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	SO2	0.012833	0.002627
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	SO2	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	SO2	0.640430	0.097365
2275000000	Aicraft	All Aircraft Types and Operations	Other	SO2	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	SO2	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	SO2	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	SO2	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	SO2	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	SO2	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	SO2	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	SO2	0.241298	0.056360
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	SO2	0.097449	0.021865
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	SO2	0.147005	0.033519
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	SO2	0.795227	0.147396
2282020010	Pleasure Craft	Outboards	Diesel	SO2	0.003419	0.000635
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	SO2	37.109000	41.469300
2285002010	Railroad Equipment	Yard Locomotives	Diesel	SO2	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	SO2	0.095943	0.018156
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	SO2	0.000829	0.000181
2285006015	Railroad Equipment	Railway Maintenance	LPG	SO2	0.000003	0.000003
Montgomery County Total Annual SO2 Emissions					**355.780979**	**103.422287**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM2.5	8.125448	10.766184
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM2.5	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM2.5	8.009530	13.130464
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM2.5	0.033132	0.028498
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM2.5	0.962077	0.980886
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM2.5	0.041410	0.034653
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM2.5	0.049820	0.041765
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM2.5	0.000374	0.000321
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM2.5	2.539046	2.557122
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM2.5	0.009960	0.008517
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM2.5	0.046270	0.024807
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM2.5	0.003686	0.001976

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	0.196205	0.183905
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	2.004045	1.910084
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM2.5	2.734142	2.475902
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM2.5	34.687350	38.929361
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	3.743027	3.564721
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	20.818492	20.322518
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM2.5	2.442280	2.235315
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM2.5	22.302331	23.107401
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM2.5	1.204040	1.381340
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM2.5	6.110696	7.010527
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM2.5	0.008598	0.008041
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM2.5	0.003196	0.003082
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM2.5	0.588408	0.595431
2260006010	Commercial Equipment	Pumps	2 Stroke	PM2.5	4.115542	4.404166
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM2.5	0.001593	0.001652
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM2.5	0.024729	0.025597
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM2.5	0.017191	0.021696
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM2.5	0.114387	0.179509
2265001030	Recreational Equipment	ATVs	4 Stroke	PM2.5	1.031311	1.758583
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM2.5	0.527024	0.480524
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM2.5	0.025775	0.024814
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM2.5	0.008632	0.007215
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM2.5	0.000066	0.000053
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM2.5	0.024333	0.016615
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM2.5	0.014880	0.013107
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM2.5	0.036675	0.026882
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM2.5	0.015380	0.011344
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM2.5	0.000932	0.000608
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM2.5	0.030631	0.023111
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM2.5	0.013456	0.009484
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM2.5	0.056342	0.049979
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM2.5	0.033876	0.027144
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM2.5	0.001559	0.001526
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM2.5	0.004153	0.003141
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM2.5	0.002313	0.002346

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM2.5	0.005639	0.005750
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM2.5	0.018275	0.015658
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM2.5	0.010706	0.009557
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM2.5	0.004515	0.003788
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM2.5	0.001968	0.002000
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM2.5	0.062334	0.036447
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM2.5	0.180164	0.115169
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM2.5	0.057616	0.031935
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM2.5	0.171185	0.068006
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM2.5	0.004556	0.002601
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM2.5	0.001788	0.000907
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM2.5	0.018684	0.011908
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM2.5	0.990539	0.867080
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM2.5	1.656571	1.121193
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.074003	0.075507
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.908301	0.720060
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.005176	0.004680
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.031494	0.024037
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.010175	0.009095
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.855997	0.801814
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM2.5	0.036709	0.042129
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM2.5	0.186289	0.213796
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.102296	0.095376
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.098019	0.092179
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM2.5	0.111941	0.108256
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM2.5	0.114726	0.084594
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM2.5	1.417685	1.284519
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM2.5	1.374858	1.252721
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM2.5	0.202524	0.207173
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM2.5	4.470003	4.329094
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.090537	0.065814
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.234732	0.177596
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM2.5	0.000124	0.000112
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM2.5	0.000374	0.000396
2265005020	Agricultural Equipment	Combines	4 Stroke	PM2.5	0.000002	0.000002

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005025	Agricultural Equipment	Balers	4 Stroke	PM2.5	0.000207	0.000231
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM2.5	0.000102	0.000091
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM2.5	0.001212	0.001113
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM2.5	0.001627	0.001858
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM2.5	0.000328	0.000367
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM2.5	0.000549	0.000573
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM2.5	0.000633	0.000678
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM2.5	1.932924	1.937377
2265006010	Commercial Equipment	Pumps	4 Stroke	PM2.5	0.642945	0.495374
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM2.5	0.287319	0.256351
2265006025	Commercial Equipment	Welders	4 Stroke	PM2.5	0.520631	0.538046
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM2.5	1.107268	0.943661
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM2.5	0.045059	0.041060
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM2.5	0.000358	0.000391
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM2.5	0.000007	0.000005
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM2.5	0.000023	0.000021
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM2.5	0.016935	0.014654
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM2.5	0.001400	0.001477
2267002003	Construction and Mining Equipment	Pavers	LPG	PM2.5	0.001134	0.001300
2267002015	Construction and Mining Equipment	Rollers	LPG	PM2.5	0.001924	0.002206
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM2.5	0.000297	0.000340
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM2.5	0.000196	0.000224
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM2.5	0.003471	0.003979
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM2.5	0.001126	0.001292
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM2.5	0.003364	0.003855
2267002045	Construction and Mining Equipment	Cranes	LPG	PM2.5	0.001213	0.001391
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM2.5	0.000202	0.000232
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM2.5	0.002201	0.002523
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM2.5	0.005507	0.006312
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM2.5	0.000587	0.000673
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM2.5	0.004513	0.005173
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM2.5	0.001808	0.002073
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM2.5	0.045001	0.054566
2267003020	Industrial Equipment	Forklifts	LPG	PM2.5	4.293426	5.195103
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM2.5	0.033068	0.039999

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM2.5	0.010048	0.012157
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM2.5	0.002433	0.002949
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM2.5	0.020242	0.024481
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM2.5	0.062662	0.072019
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM2.5	0.000005	0.000005
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM2.5	0.000004	0.000004
2267006005	Commercial Equipment	Generator Sets	LPG	PM2.5	0.147964	0.210980
2267006010	Commercial Equipment	Pumps	LPG	PM2.5	0.034895	0.049714
2267006015	Commercial Equipment	Air Compressors	LPG	PM2.5	0.042429	0.060412
2267006025	Commercial Equipment	Welders	LPG	PM2.5	0.052831	0.075222
2267006030	Commercial Equipment	Pressure Washers	LPG	PM2.5	0.000687	0.000979
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM2.5	0.000661	0.000941
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM2.5	0.000014	0.000019
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM2.5	0.000071	0.000082
2268003020	Industrial Equipment	Forklifts	CNG	PM2.5	0.312979	0.366405
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM2.5	0.000374	0.000438
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM2.5	0.000245	0.000286
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM2.5	0.000458	0.000536
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM2.5	0.001425	0.001668
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM2.5	0.000006	0.000003
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM2.5	0.000453	0.000031
2268006005	Commercial Equipment	Generator Sets	CNG	PM2.5	0.048970	0.060980
2268006010	Commercial Equipment	Pumps	CNG	PM2.5	0.002474	0.003078
2268006015	Commercial Equipment	Air Compressors	CNG	PM2.5	0.003572	0.004441
2268006020	Commercial Equipment	Gas Compressors	CNG	PM2.5	0.143538	0.178176
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM2.5	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM2.5	0.011373	0.011325
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM2.5	0.534100	0.449885
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM2.5	1.750444	1.226303
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM2.5	0.004808	0.003436
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM2.5	0.078738	0.058387
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM2.5	4.904834	3.454504
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM2.5	3.929082	2.532846
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM2.5	0.309484	0.219398
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM2.5	0.218750	0.149187

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM2.5	0.692740	0.449019
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM2.5	2.876719	2.043668
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM2.5	2.025795	1.499100
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM2.5	14.642636	10.403949
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM2.5	0.219915	0.154970
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM2.5	0.088866	0.074135
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM2.5	3.197061	2.003115
2270002048	Construction and Mining Equipment	Graders	Diesel	PM2.5	3.494210	2.483410
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM2.5	11.551560	6.909462
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM2.5	0.668999	0.429888
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM2.5	7.352111	5.342681
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM2.5	18.407479	12.605029
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM2.5	21.832787	19.332121
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM2.5	15.154338	10.421166
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM2.5	18.777261	16.380839
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM2.5	1.987615	1.215798
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM2.5	0.058139	0.051334
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM2.5	2.084281	1.383119
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM2.5	1.731575	1.554506
2270003020	Industrial Equipment	Forklifts	Diesel	PM2.5	11.693123	8.396460
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM2.5	4.250910	2.961789
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM2.5	4.599005	3.215386
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM2.5	0.365525	0.300986
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM2.5	12.190930	7.931707
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM2.5	5.718605	4.215874
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM2.5	0.001057	0.001068
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM2.5	0.194314	0.153594
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM2.5	7.259974	5.919910
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM2.5	1.569046	1.105624
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM2.5	8.167658	7.058626
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM2.5	0.875193	0.650940
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM2.5	0.027797	0.025323
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM2.5	0.000136	0.000086
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM2.5	4.496998	2.988408
2270005020	Agricultural Equipment	Combines	Diesel	PM2.5	0.474788	0.326893

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005025	Agricultural Equipment	Balers	Diesel	PM2.5	0.002733	0.002066
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM2.5	0.000578	0.000453
2270005035	Agricultural Equipment	Sprayers	Diesel	PM2.5	0.037879	0.026129
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM2.5	0.000046	0.000033
2270005045	Agricultural Equipment	Swathers	Diesel	PM2.5	0.039432	0.030454
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM2.5	0.106778	0.067540
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM2.5	0.050401	0.033827
2270006005	Commercial Equipment	Generator Sets	Diesel	PM2.5	14.944677	12.697712
2270006010	Commercial Equipment	Pumps	Diesel	PM2.5	3.624741	3.087205
2270006015	Commercial Equipment	Air Compressors	Diesel	PM2.5	8.604876	6.498900
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM2.5	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM2.5	8.955371	8.046898
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM2.5	0.418724	0.348492
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM2.5	0.382575	0.286760
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM2.5	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM2.5	0.049774	0.028127
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM2.5	0.009137	0.007149
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM2.5	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM2.5	0.395078	0.197164
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM2.5	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	PM2.5	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM2.5	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM2.5	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM2.5	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	PM2.5	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	PM2.5	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM2.5	2.157691	1.489114
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM2.5	0.860212	0.480401
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM2.5	0.049392	0.051946
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM2.5	0.167474	0.128006
2282020010	Pleasure Craft	Outboards	Diesel	PM2.5	0.003032	0.002678
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM2.5	14.677000	13.891800
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM2.5	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM2.5	0.135799	0.112228
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM2.5	0.000502	0.000405

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM2.5	0.000011	0.000013
Montgomery County Total Annual PM2.5 Emissions					**402.267524**	**354.564197**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM10	8.832008	11.702374
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM10	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM10	8.706011	14.272243
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM10	0.036013	0.030976
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM10	1.045736	1.066181
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM10	0.045010	0.037666
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM10	0.054153	0.045397
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM10	0.000407	0.000349
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM10	2.759833	2.779480
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM10	0.010826	0.009257
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM10	0.050294	0.026964
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM10	0.004007	0.002148
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM10	0.213266	0.199897
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM10	2.178310	2.076178
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM10	2.971893	2.691198
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM10	37.703641	42.314523
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	4.068507	3.874697
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	22.628796	22.089694
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM10	2.654652	2.429690
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM10	24.241664	25.116740
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM10	1.308739	1.501457
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM10	6.642061	7.620138
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM10	0.009345	0.008740
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM10	0.003474	0.003350
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM10	0.639574	0.647208
2260006010	Commercial Equipment	Pumps	2 Stroke	PM10	4.473415	4.787137
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM10	0.001732	0.001795
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM10	0.026880	0.027822

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM10	0.018686	0.023582
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM10	0.124334	0.195119
2265001030	Recreational Equipment	ATVs	4 Stroke	PM10	1.120990	1.911503
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM10	0.572852	0.522309
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM10	0.028016	0.026972
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM10	0.009382	0.007842
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM10	0.000072	0.000057
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM10	0.026449	0.018060
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM10	0.016174	0.014247
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM10	0.039864	0.029220
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM10	0.016718	0.012331
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM10	0.001013	0.000661
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM10	0.033295	0.025120
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM10	0.014626	0.010308
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM10	0.061242	0.054325
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM10	0.036822	0.029504
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM10	0.001694	0.001658
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM10	0.004514	0.003414
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM10	0.002514	0.002550
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM10	0.006130	0.006250
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM10	0.019864	0.017020
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM10	0.011637	0.010388
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM10	0.004908	0.004117
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM10	0.002139	0.002174
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM10	0.067755	0.039616
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM10	0.195830	0.125184
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM10	0.062626	0.034712
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM10	0.186071	0.073920
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM10	0.004952	0.002827
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM10	0.001944	0.000985
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM10	0.020309	0.012943
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM10	1.076673	0.942478
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM10	1.800620	1.218688
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.080438	0.082073
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.987284	0.782673

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.005627	0.005087
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.034232	0.026127
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM10	0.011060	0.009886
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM10	0.930431	0.871536
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM10	0.039901	0.045792
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM10	0.202488	0.232387
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM10	0.111191	0.103670
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM10	0.106542	0.100195
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM10	0.121675	0.117670
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM10	0.124702	0.091950
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM10	1.540962	1.396216
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM10	1.494411	1.361653
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM10	0.220135	0.225188
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM10	4.858699	4.705537
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.098410	0.071537
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.255144	0.193039
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM10	0.000135	0.000122
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM10	0.000406	0.000430
2265005020	Agricultural Equipment	Combines	4 Stroke	PM10	0.000002	0.000003
2265005025	Agricultural Equipment	Balers	4 Stroke	PM10	0.000225	0.000252
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM10	0.000111	0.000099
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM10	0.001317	0.001210
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM10	0.001768	0.002019
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM10	0.000357	0.000398
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM10	0.000596	0.000623
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM10	0.000688	0.000737
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM10	2.101004	2.105844
2265006010	Commercial Equipment	Pumps	4 Stroke	PM10	0.698853	0.538450
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM10	0.312303	0.278642
2265006025	Commercial Equipment	Welders	4 Stroke	PM10	0.565903	0.584832
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM10	1.203552	1.025719
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM10	0.048978	0.044630
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM10	0.000389	0.000425
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM10	0.000008	0.000006
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM10	0.000025	0.000023

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM10	0.018407	0.015928
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM10	0.001400	0.001477
2267002003	Construction and Mining Equipment	Pavers	LPG	PM10	0.001134	0.001300
2267002015	Construction and Mining Equipment	Rollers	LPG	PM10	0.001924	0.002206
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM10	0.000297	0.000340
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM10	0.000196	0.000224
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM10	0.003471	0.003979
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM10	0.001126	0.001292
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM10	0.003364	0.003855
2267002045	Construction and Mining Equipment	Cranes	LPG	PM10	0.001213	0.001391
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM10	0.000202	0.000232
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM10	0.002201	0.002523
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM10	0.005507	0.006312
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM10	0.000587	0.000673
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM10	0.004513	0.005173
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM10	0.001808	0.002073
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM10	0.045001	0.054566
2267003020	Industrial Equipment	Forklifts	LPG	PM10	4.293426	5.195103
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM10	0.033068	0.039999
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM10	0.010048	0.012157
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM10	0.002433	0.002949
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM10	0.020242	0.024481
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM10	0.062662	0.072019
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM10	0.000005	0.000005
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM10	0.000004	0.000004
2267006005	Commercial Equipment	Generator Sets	LPG	PM10	0.147964	0.210980
2267006010	Commercial Equipment	Pumps	LPG	PM10	0.034895	0.049714
2267006015	Commercial Equipment	Air Compressors	LPG	PM10	0.042429	0.060412
2267006025	Commercial Equipment	Welders	LPG	PM10	0.052831	0.075222
2267006030	Commercial Equipment	Pressure Washers	LPG	PM10	0.000687	0.000979
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM10	0.000661	0.000941
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM10	0.000014	0.000019
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM10	0.000071	0.000082
2268003020	Industrial Equipment	Forklifts	CNG	PM10	0.312979	0.366405
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM10	0.000374	0.000438

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM10	0.000245	0.000286
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM10	0.000458	0.000536
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM10	0.001425	0.001668
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM10	0.000006	0.000003
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM10	0.000453	0.000031
2268006005	Commercial Equipment	Generator Sets	CNG	PM10	0.048970	0.060980
2268006010	Commercial Equipment	Pumps	CNG	PM10	0.002474	0.003078
2268006015	Commercial Equipment	Air Compressors	CNG	PM10	0.003572	0.004441
2268006020	Commercial Equipment	Gas Compressors	CNG	PM10	0.143538	0.178176
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM10	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM10	0.011373	0.011325
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM10	0.550619	0.463799
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM10	1.804582	1.264230
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM10	0.004957	0.003542
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM10	0.081173	0.060193
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM10	5.056529	3.561345
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM10	4.050600	2.611181
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM10	0.319055	0.226184
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM10	0.225516	0.153801
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM10	0.714165	0.462907
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM10	2.965690	2.106874
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM10	2.088449	1.545464
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM10	15.095501	10.725721
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM10	0.226717	0.159763
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM10	0.091615	0.076428
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM10	3.295939	2.065067
2270002048	Construction and Mining Equipment	Graders	Diesel	PM10	3.602278	2.560217
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM10	11.908825	7.123157
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM10	0.689690	0.443184
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM10	7.579496	5.507919
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM10	18.976782	12.994876
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM10	22.508028	19.930021
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM10	15.623029	10.743470
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM10	19.358001	16.887463
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM10	2.049088	1.253400

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM10	0.059937	0.052922
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM10	2.148743	1.425896
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM10	1.785129	1.602583
2270003020	Industrial Equipment	Forklifts	Diesel	PM10	12.054766	8.656145
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM10	4.382381	3.053391
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM10	4.741242	3.314831
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM10	0.376830	0.310295
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM10	12.567969	8.177017
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM10	5.895469	4.346262
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM10	0.001089	0.001101
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM10	0.200323	0.158344
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM10	7.484509	6.103001
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM10	1.617573	1.139818
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM10	8.420266	7.276934
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM10	0.902261	0.671072
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM10	0.028656	0.026106
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM10	0.000140	0.000088
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM10	4.636080	3.080833
2270005020	Agricultural Equipment	Combines	Diesel	PM10	0.489472	0.337003
2270005025	Agricultural Equipment	Balers	Diesel	PM10	0.002818	0.002130
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM10	0.000596	0.000467
2270005035	Agricultural Equipment	Sprayers	Diesel	PM10	0.039051	0.026937
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM10	0.000047	0.000034
2270005045	Agricultural Equipment	Swathers	Diesel	PM10	0.040652	0.031396
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM10	0.110081	0.069629
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM10	0.051960	0.034873
2270006005	Commercial Equipment	Generator Sets	Diesel	PM10	15.406884	13.090425
2270006010	Commercial Equipment	Pumps	Diesel	PM10	3.736846	3.182685
2270006015	Commercial Equipment	Air Compressors	Diesel	PM10	8.871007	6.699897
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM10	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM10	9.232341	8.295772
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM10	0.431674	0.359270
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM10	0.394407	0.295629
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM10	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM10	0.051313	0.028997

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM10	0.009419	0.007370
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM10	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM10	0.407297	0.203262
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM10	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	PM10	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM10	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM10	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM10	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	PM10	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	PM10	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM10	2.345316	1.618602
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM10	0.935013	0.522175
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM10	0.053687	0.056463
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM10	0.172654	0.131964
2282020010	Pleasure Craft	Outboards	Diesel	PM10	0.003125	0.002761
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM10	15.146500	14.336200
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM10	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM10	0.139999	0.115699
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM10	0.000545	0.000440
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM10	0.000011	0.000013
Montgomery County Total Annual PM10 Emissions					**422.622974**	**374.002982**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NH3	0.019306	0.028907
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NH3	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NH3	0.015515	0.031226
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NH3	0.004092	0.004311
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NH3	0.001845	0.001327
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NH3	0.000104	0.000077
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NH3	0.000124	0.000092
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NH3	0.000001	0.000001
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NH3	0.004739	0.003403

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NH3	0.000024	0.000018
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NH3	0.000110	0.000053
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NH3	0.000009	0.000004
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.000533	0.000448
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.005306	0.004376
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NH3	0.007218	0.005950
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NH3	0.065794	0.053281
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.009992	0.008253
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.051562	0.042488
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NH3	0.006451	0.005314
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NH3	0.050193	0.041029
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NH3	0.002457	0.002818
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NH3	0.012471	0.014303
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NH3	0.000022	0.000018
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NH3	0.000008	0.000007
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NH3	0.001486	0.001320
2260006010	Commercial Equipment	Pumps	2 Stroke	NH3	0.009861	0.008963
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NH3	0.000004	0.000004
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NH3	0.000059	0.000054
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NH3	0.000031	0.000028
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NH3	0.005606	0.008769
2265001030	Recreational Equipment	ATVs	4 Stroke	NH3	0.053492	0.091010
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NH3	0.058544	0.057809
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NH3	0.003361	0.003283
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NH3	0.001033	0.000952
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NH3	0.000008	0.000007
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NH3	0.001865	0.001697
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NH3	0.001810	0.001679
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NH3	0.003641	0.003290
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NH3	0.001490	0.001378
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NH3	0.000076	0.000069
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NH3	0.003172	0.002915
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NH3	0.001054	0.000976
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NH3	0.006510	0.006135
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NH3	0.003278	0.002984

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NH3	0.000260	0.000244
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NH3	0.000423	0.000392
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NH3	0.000410	0.000376
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NH3	0.001003	0.000891
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NH3	0.002157	0.002015
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NH3	0.001545	0.001419
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NH3	0.000514	0.000468
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NH3	0.000352	0.000334
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NH3	0.009460	0.005635
2265003020	Industrial Equipment	Forklifts	4 Stroke	NH3	0.031696	0.018018
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NH3	0.007757	0.004313
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NH3	0.013377	0.007597
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NH3	0.000668	0.000395
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NH3	0.000207	0.000118
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NH3	0.003271	0.001700
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NH3	0.064029	0.066414
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NH3	0.100102	0.101918
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.005462	0.005611
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.052065	0.055182
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.000346	0.000363
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.002399	0.002461
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NH3	0.000666	0.000696
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NH3	0.103148	0.106583
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NH3	0.006309	0.007236
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NH3	0.032019	0.036724
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NH3	0.013072	0.013415
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NH3	0.011655	0.012199
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NH3	0.014105	0.014355
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NH3	0.006054	0.006398
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NH3	0.178230	0.180144
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NH3	0.161031	0.165842
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NH3	0.027612	0.028242
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NH3	0.496964	0.527698
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.006205	0.006442
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.016129	0.016748

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NH3	0.000014	0.000015
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NH3	0.000061	0.000059
2265005020	Agricultural Equipment	Combines	4 Stroke	NH3	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	NH3	0.000038	0.000040
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NH3	0.000012	0.000012
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NH3	0.000131	0.000134
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NH3	0.000281	0.000295
2265005045	Agricultural Equipment	Swathers	4 Stroke	NH3	0.000060	0.000063
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NH3	0.000088	0.000091
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NH3	0.000106	0.000101
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NH3	0.226310	0.247327
2265006010	Commercial Equipment	Pumps	4 Stroke	NH3	0.054295	0.059338
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NH3	0.029114	0.032245
2265006025	Commercial Equipment	Welders	4 Stroke	NH3	0.062504	0.070287
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NH3	0.097836	0.107008
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NH3	0.004577	0.005098
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NH3	0.000046	0.000052
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NH3	0.000000	0.000001
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NH3	0.000003	0.000003
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NH3	0.001885	0.001763
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NH3	0.000000	0.000000
2267002003	Construction and Mining Equipment	Pavers	LPG	NH3	0.000000	0.000000
2267002015	Construction and Mining Equipment	Rollers	LPG	NH3	0.000000	0.000000
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NH3	0.000000	0.000000
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NH3	0.000000	0.000000
2267002030	Construction and Mining Equipment	Trenchers	LPG	NH3	0.000000	0.000000
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NH3	0.000000	0.000000
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NH3	0.000000	0.000000
2267002045	Construction and Mining Equipment	Cranes	LPG	NH3	0.000000	0.000000
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NH3	0.000000	0.000000
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NH3	0.000000	0.000000
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NH3	0.000000	0.000000
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NH3	0.000000	0.000000
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NH3	0.000000	0.000000
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267003010	Industrial Equipment	Aerial Lifts	LPG	NH3	0.000000	0.000000
2267003020	Industrial Equipment	Forklifts	LPG	NH3	0.000000	0.000000
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NH3	0.000000	0.000000
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NH3	0.000000	0.000000
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NH3	0.000000	0.000000
2267003070	Industrial Equipment	Terminal Tractors	LPG	NH3	0.000000	0.000000
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NH3	0.000000	0.000000
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NH3	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NH3	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	NH3	0.000000	0.000000
2267006010	Commercial Equipment	Pumps	LPG	NH3	0.000000	0.000000
2267006015	Commercial Equipment	Air Compressors	LPG	NH3	0.000000	0.000000
2267006025	Commercial Equipment	Welders	LPG	NH3	0.000000	0.000000
2267006030	Commercial Equipment	Pressure Washers	LPG	NH3	0.000000	0.000000
2267006035	Commercial Equipment	Hydro Power Units	LPG	NH3	0.000000	0.000000
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NH3	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NH3	0.000000	0.000000
2268003020	Industrial Equipment	Forklifts	CNG	NH3	0.000000	0.000000
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NH3	0.000000	0.000000
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NH3	0.000000	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NH3	0.000000	0.000000
2268003070	Industrial Equipment	Terminal Tractors	CNG	NH3	0.000000	0.000000
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NH3	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NH3	0.000000	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	NH3	0.000000	0.000000
2268006010	Commercial Equipment	Pumps	CNG	NH3	0.000000	0.000000
2268006015	Commercial Equipment	Air Compressors	CNG	NH3	0.000000	0.000000
2268006020	Commercial Equipment	Gas Compressors	CNG	NH3	0.000000	0.000000
2268006035	Commercial Equipment	Hydro Power Units	CNG	NH3	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NH3	0.000000	0.000000
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NH3	0.002020	0.002421
2270002003	Construction and Mining Equipment	Pavers	Diesel	NH3	0.013768	0.016368
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NH3	0.000055	0.000066
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NH3	0.000371	0.000441
2270002015	Construction and Mining Equipment	Rollers	Diesel	NH3	0.034465	0.040974

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NH3	0.037465	0.044539
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NH3	0.002070	0.002461
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NH3	0.001279	0.001520
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NH3	0.003812	0.004532
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NH3	0.016350	0.019438
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NH3	0.014077	0.016735
2270002036	Construction and Mining Equipment	Excavators	Diesel	NH3	0.139664	0.166037
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NH3	0.001157	0.001375
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NH3	0.000550	0.000653
2270002045	Construction and Mining Equipment	Cranes	Diesel	NH3	0.031879	0.037899
2270002048	Construction and Mining Equipment	Graders	Diesel	NH3	0.034759	0.041323
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NH3	0.119365	0.141905
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NH3	0.005632	0.006695
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NH3	0.044720	0.053165
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NH3	0.152041	0.180751
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NH3	0.092474	0.109937
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NH3	0.139096	0.165362
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NH3	0.063487	0.075475
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NH3	0.014981	0.017810
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NH3	0.000196	0.000233
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NH3	0.014345	0.017054
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NH3	0.006160	0.007508
2270003020	Industrial Equipment	Forklifts	Diesel	NH3	0.088922	0.108379
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NH3	0.038832	0.047328
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NH3	0.039415	0.048040
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NH3	0.001522	0.001855
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NH3	0.085018	0.103621
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NH3	0.056023	0.068281
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NH3	0.000006	0.000008
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NH3	0.001573	0.002123
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NH3	0.041738	0.056360
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NH3	0.008615	0.011633
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NH3	0.056787	0.076682
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NH3	0.006698	0.009045
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NH3	0.000159	0.000214

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NH3	0.000001	0.000001
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NH3	0.022996	0.026908
2270005020	Agricultural Equipment	Combines	Diesel	NH3	0.002064	0.002416
2270005025	Agricultural Equipment	Balers	Diesel	NH3	0.000012	0.000014
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NH3	0.000002	0.000003
2270005035	Agricultural Equipment	Sprayers	Diesel	NH3	0.000175	0.000205
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NH3	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	NH3	0.000162	0.000190
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NH3	0.000449	0.000526
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NH3	0.000330	0.000386
2270006005	Commercial Equipment	Generator Sets	Diesel	NH3	0.091249	0.114195
2270006010	Commercial Equipment	Pumps	Diesel	NH3	0.021525	0.026937
2270006015	Commercial Equipment	Air Compressors	Diesel	NH3	0.059658	0.074659
2270006020	Commercial Equipment	Gas Compressors	Diesel	NH3	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NH3	0.030416	0.038064
2270006030	Commercial Equipment	Pressure Washers	Diesel	NH3	0.002919	0.003653
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NH3	0.002588	0.003239
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NH3	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NH3	0.000516	0.000485
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NH3	0.000075	0.000100
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NH3	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NH3	0.003724	0.003709
2275000000	Aicraft	All Aircraft Types and Operations	Other	NH3	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	NH3	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NH3	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NH3	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NH3	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NH3	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NH3	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NH3	0.020186	0.019343
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NH3	0.008024	0.007235
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NH3	0.009476	0.009616
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NH3	0.003992	0.004786
2282020010	Pleasure Craft	Outboards	Diesel	NH3	0.000017	0.000021
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NH3	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NH3	0.000561	0.000694
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NH3	0.000055	0.000052
2285006015	Railroad Equipment	Railway Maintenance	LPG	NH3	0.000000	0.000000
Montgomery County Total Annual NH3 Emissions					**3.955039**	**4.407224**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	197.775340	289.788420
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	194.999440	410.456730
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	125.899550	140.483717
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	40.548679	33.559383
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	1.954535	1.251591
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	2.345755	1.509774
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.017155	0.011602
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	107.150319	86.936910
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.457279	0.308065
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	2.108908	0.897317
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.168022	0.071492
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	10.352126	6.771753
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	100.136733	67.832252
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	135.033510	90.388351
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	1472.933880	1327.563900
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	194.802018	116.889916
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	995.271160	726.123850
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	121.572509	79.231828
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	1003.680850	810.706020
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	71.752476	82.318136
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	364.155460	417.778090
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.409445	0.289681
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.159648	0.093510
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	27.922647	21.224407
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	196.620476	139.467314

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.072766	0.059742
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	1.130975	0.925869
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.720557	0.734242
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	86.634132	120.730360
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	780.970400	1282.012900
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	2623.788300	2879.339100
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	109.162403	111.524698
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	35.741897	36.841770
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.282673	0.307390
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	66.004449	68.380836
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	66.988027	68.308322
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	129.232791	136.616502
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	58.577252	61.722640
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	2.980808	3.106833
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	109.548450	111.595512
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	32.275050	32.132484
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	270.530687	280.662673
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	113.153419	116.230649
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	4.528368	3.847646
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	15.885831	16.693028
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	5.911047	3.903604
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	14.172390	7.453665
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	85.192765	90.344818
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	37.688649	36.518391
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	17.618935	18.078444
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	4.969007	3.839327
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	200.936901	125.932886
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	454.224609	180.473716
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	195.257440	102.733161
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	498.126258	313.511151
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	15.361756	9.745824
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	7.926017	5.388943
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	47.169411	8.396293
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	2005.296932	2174.937899
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	3506.301512	3928.738138

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	168.913160	182.685940
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	1708.203600	1937.061500
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	11.261578	12.236972
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	87.075554	101.697271
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	21.526140	23.371374
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	3485.022736	4093.867920
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	214.367748	246.003102
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	1087.892715	1248.440348
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	471.597847	544.079493
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	451.227888	546.684898
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	487.285715	566.924912
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	195.740959	222.027786
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	6270.407675	7291.400561
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	6069.070948	7432.187425
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	806.000928	851.769929
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	18772.755862	21501.390486
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	204.675740	223.008835
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	530.741230	601.195762
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.562574	0.667276
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	1.137906	0.929324
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.005472	0.004944
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.517244	0.467407
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.437502	0.509561
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	3.744587	4.066224
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	9.311387	10.182173
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.819269	0.740332
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	1.699796	1.734722
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	1.594511	0.836020
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	7985.843950	10159.461890
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	1845.320525	2286.037154
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	916.667094	1115.443845
2265006025	Commercial Equipment	Welders	4 Stroke	CO	2302.916652	2900.440573
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	3497.514235	4453.139466
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	176.987574	226.617928
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	1.577181	1.995223

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.018806	0.023793
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.066267	0.054483
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	84.778553	87.807891
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	1.195429	1.111524
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	0.970481	0.766705
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	1.650285	1.069792
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.253206	0.234721
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.167543	0.127597
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	2.969753	2.397096
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	0.959055	0.951135
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	2.893864	1.480223
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	1.035469	0.958920
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.172481	0.158105
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	1.881703	1.604647
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	4.715831	3.631750
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.503413	0.351036
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	3.853696	3.435799
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	1.542423	1.452791
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	38.349219	37.147519
2267003020	Industrial Equipment	Forklifts	LPG	CO	3673.675497	2969.313081
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	28.381537	18.375143
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	8.605602	6.293549
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	2.074127	1.992501
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	17.387067	9.630022
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	53.671542	38.998405
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.003895	0.003491
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.003328	0.002106
2267006005	Commercial Equipment	Generator Sets	LPG	CO	86.371246	102.492964
2267006010	Commercial Equipment	Pumps	LPG	CO	20.457678	22.275391
2267006015	Commercial Equipment	Air Compressors	LPG	CO	24.945937	25.572862
2267006025	Commercial Equipment	Welders	LPG	CO	45.016659	45.700544
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.583568	0.651762
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.389353	0.364289
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.012012	0.010032
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.060845	0.057309

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003020	Industrial Equipment	Forklifts	CNG	CO	267.909480	211.347580
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.320396	0.251181
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.209414	0.159289
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.392746	0.274596
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	1.224488	0.661171
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.005130	0.002384
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.393234	0.026708
2268006005	Commercial Equipment	Generator Sets	CNG	CO	28.680230	30.759309
2268006010	Commercial Equipment	Pumps	CNG	CO	1.452955	1.470178
2268006015	Commercial Equipment	Air Compressors	CNG	CO	2.103711	1.957622
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	125.892675	15.077629
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	9.855327	1.812200
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	3.676225	3.217644
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	9.856648	7.291323
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.024852	0.026561
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.398015	0.391165
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	28.362158	21.595571
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	25.628340	19.612335
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	1.840042	1.349829
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	1.388255	1.071592
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	3.623403	2.739545
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	17.027232	13.411696
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	10.228343	8.557706
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	78.679636	60.378141
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	1.316731	1.013074
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.451713	0.435891
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	14.364080	10.820108
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	18.533650	13.426220
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	80.394107	49.695045
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	3.364070	2.607814
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	42.349573	34.617087
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	108.935849	82.016849
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	133.066330	126.365229
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	93.223840	70.011602

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	116.367916	108.681979
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	14.125005	9.711901
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.332669	0.331248
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	13.533098	10.110796
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	10.183361	10.490207
2270003020	Industrial Equipment	Forklifts	Diesel	CO	61.844003	65.749105
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	19.029905	15.592565
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	20.639998	16.499566
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	1.891255	1.806188
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	56.394012	52.086316
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	26.153621	24.683114
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.005998	0.006843
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	1.028467	0.936593
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	37.913183	34.461313
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	8.284627	7.188836
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	40.413357	40.339531
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	4.262613	3.537875
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.135263	0.143797
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000860	0.000797
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	23.058535	17.485247
2270005020	Agricultural Equipment	Combines	Diesel	CO	1.436223	1.345548
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.011987	0.011639
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.002754	0.002698
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.161750	0.139083
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000312	0.000254
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.138170	0.153753
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.458040	0.361546
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.205225	0.172732
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	75.589462	71.821727
2270006010	Commercial Equipment	Pumps	Diesel	CO	17.578463	17.028618
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	40.100702	37.036468
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	59.506838	55.763807
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	2.276144	2.141473
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	1.811873	1.621486

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.237978	0.160004
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	0.053482	0.046400
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	2.123613	1.247972
2275000000	Aicraft	All Aircraft Types and Operations	Other	CO	323.551473	335.717008
2275070000	Aircraft	Auxiliary Power Units	Other	CO	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	227.228095	192.183857
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	82.230224	74.952520
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	114.441712	103.105660
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	0.988322	1.178041
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.016964	0.014985
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	61.031600	68.204100
2285002010	Railroad Equipment	Yard Locomotives	Diesel	CO	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.790392	0.700643
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	1.942905	2.204176
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.009456	0.008523
Montgomery County Total Annual CO Emissions					**81457.328416**	**91551.151430**

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NOx	0.197138	0.375205
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NOx	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NOx	0.199330	0.520685
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NOx	0.294892	0.225166
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NOx	0.295624	0.154199
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NOx	0.004329	0.010085
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NOx	0.005239	0.012073
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NOx	0.000044	0.000089
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NOx	0.708248	0.396754
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NOx	0.001167	0.002375
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NOx	0.003586	0.004368
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NOx	0.000286	0.000348
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.039918	0.103259
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NOx	0.027772	0.074800
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NOx	0.520654	1.493053
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NOx	1.266210	0.851192
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.798979	2.096030
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NOx	0.378451	0.748803
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NOx	0.475489	1.339275
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NOx	0.602587	0.698301
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NOx	0.130143	0.149264
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NOx	0.043284	0.049643
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NOx	0.000117	0.000323
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NOx	0.000006	0.000015
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NOx	0.042133	0.119035
2260006010	Commercial Equipment	Pumps	2 Stroke	NOx	0.334871	0.810283
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NOx	0.000132	0.000315
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NOx	0.002035	0.004888
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NOx	0.000402	0.000254
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NOx	0.278626	0.412241
2265001030	Recreational Equipment	ATVs	4 Stroke	NOx	2.515347	3.749880
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NOx	4.895656	4.150609
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NOx	0.258700	0.267224
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NOx	0.540987	0.349363
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NOx	0.003006	0.002162

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2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NOx	0.642614	0.430933
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NOx	0.926902	0.560650
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NOx	1.349545	0.971570
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NOx	0.560855	0.398074
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NOx	0.026324	0.018030
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NOx	1.632861	1.041625
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NOx	0.513071	0.377585
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NOx	2.777096	1.870703
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NOx	1.048351	0.911567
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NOx	0.268811	0.190135
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NOx	0.181517	0.130774
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NOx	0.463285	0.277379
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NOx	1.146326	0.550039
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NOx	0.870885	0.628586
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NOx	1.222282	0.818678
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NOx	0.171698	0.153051
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NOx	0.400024	0.292022
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NOx	5.425715	2.874873
2265003020	Industrial Equipment	Forklifts	4 Stroke	NOx	22.905066	8.396261
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NOx	4.078769	1.148957
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NOx	3.602524	1.375000
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NOx	0.359690	0.185611
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NOx	0.146308	0.066076
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NOx	2.365566	0.375409
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NOx	35.417850	35.850474
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NOx	4.311438	2.936217
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NOx	3.005634	3.023141
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NOx	2.173272	1.945073
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.203520	0.187201
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NOx	0.111780	0.085803
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NOx	0.390550	0.358051
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NOx	7.378624	5.530098
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NOx	3.596047	4.124393
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NOx	1.195992	1.371712
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NOx	9.238563	8.301821

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NOx	0.598042	0.499926
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NOx	0.630996	0.633505
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NOx	0.247193	0.230511
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NOx	126.929654	111.770289
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NOx	8.353487	6.799750
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NOx	2.669579	1.550442
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NOx	29.255428	20.284702
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NOx	3.480538	3.821357
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NOx	0.649214	0.683122
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NOx	0.000093	0.000075
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NOx	0.001032	0.000564
2265005020	Agricultural Equipment	Combines	4 Stroke	NOx	0.000008	0.000007
2265005025	Agricultural Equipment	Balers	4 Stroke	NOx	0.000734	0.000637
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NOx	0.000076	0.000065
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NOx	0.001194	0.001086
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NOx	0.001144	0.001349
2265005045	Agricultural Equipment	Swathers	4 Stroke	NOx	0.001162	0.001009
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NOx	0.001389	0.001211
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NOx	0.002022	0.000848
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NOx	54.583415	51.741700
2265006010	Commercial Equipment	Pumps	4 Stroke	NOx	16.518986	12.887524
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NOx	11.383276	8.339542
2265006025	Commercial Equipment	Welders	4 Stroke	NOx	20.553495	17.196153
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NOx	24.079285	19.974979
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NOx	1.200197	1.022217
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NOx	0.001154	0.001354
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NOx	0.000013	0.000010
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NOx	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NOx	0.087228	0.070320
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NOx	0.074699	0.062189
2267002003	Construction and Mining Equipment	Pavers	LPG	NOx	0.252900	0.140420
2267002015	Construction and Mining Equipment	Rollers	LPG	NOx	0.426045	0.166925
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NOx	0.066684	0.050911
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NOx	0.043526	0.022312
2267002030	Construction and Mining Equipment	Trenchers	LPG	NOx	0.774093	0.448664

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NOx	0.254756	0.221973
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NOx	0.737866	0.197456
2267002045	Construction and Mining Equipment	Cranes	LPG	NOx	0.272529	0.207448
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NOx	0.045367	0.033845
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NOx	0.492163	0.317531
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NOx	1.224562	0.634029
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NOx	0.130097	0.055693
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NOx	1.011811	0.716972
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NOx	0.406848	0.320353
2267003010	Industrial Equipment	Aerial Lifts	LPG	NOx	6.412367	5.067221
2267003020	Industrial Equipment	Forklifts	LPG	NOx	604.394038	327.647297
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NOx	4.612034	1.710245
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NOx	1.410497	0.643358
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NOx	0.346339	0.268446
2267003070	Industrial Equipment	Terminal Tractors	LPG	NOx	2.816437	0.710568
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NOx	1.890090	0.879269
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NOx	0.000017	0.000014
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NOx	0.000015	0.000006
2267006005	Commercial Equipment	Generator Sets	LPG	NOx	23.332030	22.511041
2267006010	Commercial Equipment	Pumps	LPG	NOx	5.433540	4.341599
2267006015	Commercial Equipment	Air Compressors	LPG	NOx	6.550577	4.529961
2267006025	Commercial Equipment	Welders	LPG	NOx	8.167018	6.007881
2267006030	Commercial Equipment	Pressure Washers	LPG	NOx	0.107314	0.095760
2267006035	Commercial Equipment	Hydro Power Units	LPG	NOx	0.101717	0.056899
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NOx	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NOx	0.016049	0.012649
2268003020	Industrial Equipment	Forklifts	CNG	NOx	44.004635	23.472088
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NOx	0.052588	0.027685
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NOx	0.034380	0.016916
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NOx	0.188065	0.078698
2268003070	Industrial Equipment	Terminal Tractors	CNG	NOx	0.198260	0.049326
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NOx	0.000021	0.000010
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NOx	0.001646	0.000107
2268006005	Commercial Equipment	Generator Sets	CNG	NOx	7.647471	6.955578
2268006010	Commercial Equipment	Pumps	CNG	NOx	0.383466	0.308050

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268006015	Commercial Equipment	Air Compressors	CNG	NOx	0.548519	0.361369
2268006020	Commercial Equipment	Gas Compressors	CNG	NOx	20.256307	2.083890
2268006035	Commercial Equipment	Hydro Power Units	CNG	NOx	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NOx	0.322037	0.033412
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NOx	0.772453	0.774660
2270002003	Construction and Mining Equipment	Pavers	Diesel	NOx	20.411305	16.625745
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NOx	0.044859	0.037631
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NOx	0.699759	0.589212
2270002015	Construction and Mining Equipment	Rollers	Diesel	NOx	50.643886	42.936983
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NOx	58.634096	46.869109
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NOx	3.227779	2.705039
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NOx	2.174917	1.955933
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NOx	6.115841	5.429873
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NOx	23.558835	21.666003
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NOx	27.969640	25.609609
2270002036	Construction and Mining Equipment	Excavators	Diesel	NOx	202.430591	156.515778
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NOx	1.584031	1.487666
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NOx	1.050849	0.990041
2270002045	Construction and Mining Equipment	Cranes	Diesel	NOx	55.127889	44.407745
2270002048	Construction and Mining Equipment	Graders	Diesel	NOx	51.434895	39.398569
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NOx	190.930017	154.607035
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NOx	9.678953	8.138511
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NOx	64.705723	57.756823
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NOx	247.879443	206.456796
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NOx	150.598104	139.532870
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NOx	217.808356	175.718628
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NOx	96.559022	95.326457
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NOx	26.289286	22.641323
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NOx	0.310784	0.307809
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NOx	25.528995	21.824358
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NOx	6.667261	6.451978
2270003020	Industrial Equipment	Forklifts	Diesel	NOx	70.360108	59.709413
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NOx	37.302309	30.984295
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NOx	42.483981	35.180815
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NOx	1.964972	1.781766

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NOx	212.095997	200.438129
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NOx	48.138144	37.358888
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NOx	0.001402	0.001604
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NOx	0.376205	0.399903
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NOx	8.609511	9.244660
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NOx	1.899994	1.849217
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NOx	12.864331	14.050235
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NOx	1.297370	1.307210
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NOx	0.033763	0.037501
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NOx	0.000016	0.000011
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NOx	0.683824	0.594835
2270005020	Agricultural Equipment	Combines	Diesel	NOx	0.069333	0.062158
2270005025	Agricultural Equipment	Balers	Diesel	NOx	0.000297	0.000298
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NOx	0.000063	0.000058
2270005035	Agricultural Equipment	Sprayers	Diesel	NOx	0.004914	0.004755
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NOx	0.000008	0.000008
2270005045	Agricultural Equipment	Swathers	Diesel	NOx	0.004855	0.004523
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NOx	0.014285	0.012543
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NOx	0.008959	0.008007
2270006005	Commercial Equipment	Generator Sets	Diesel	NOx	101.584423	105.783432
2270006010	Commercial Equipment	Pumps	Diesel	NOx	24.183818	25.062944
2270006015	Commercial Equipment	Air Compressors	Diesel	NOx	61.042768	59.418108
2270006020	Commercial Equipment	Gas Compressors	Diesel	NOx	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NOx	29.556250	31.557895
2270006030	Commercial Equipment	Pressure Washers	Diesel	NOx	3.393498	3.516094
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NOx	2.640397	2.569039
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NOx	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NOx	0.058243	0.034467
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NOx	267.321262	177.995691
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NOx	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NOx	0.871376	0.629278
2275000000	Aicraft	All Aircraft Types and Operations	Other	NOx	1922.447000	2695.242000
2275070000	Aircraft	Auxiliary Power Units	Other	NOx	30.169454	37.765540
2280000000	Marine Vessels	Commercial	All Fuels	NOx	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2280001000	Marine Vessels	Commercial	Coal	NOx	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NOx	734.578403	750.812585
2280003000	Marine Vessels	Commercial	Residual Fuel	NOx	350.276738	415.743460
2280004000	Marine Vessels	Commercial	Gasoline	NOx	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NOx	5.296569	9.375863
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NOx	1.482841	3.062046
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NOx	12.021066	14.476242
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NOx	11.360557	12.798215
2282020010	Pleasure Craft	Outboards	Diesel	NOx	0.042778	0.045550
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NOx	427.851800	323.455900
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NOx	90.411900	68.351400
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NOx	0.739545	0.712676
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NOx	0.016272	0.012058
2285006015	Railroad Equipment	Railway Maintenance	LPG	NOx	0.001827	0.001309
Philadelphia County Total Annual NOx Emissions					**7240.047196**	**7204.124250**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	VOC	59.438876	79.060351
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	VOC	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	VOC	59.306233	98.183137
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	VOC	1.204813	0.959827
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	VOC	17.802064	7.677239
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	VOC	1.078699	0.270047
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	VOC	1.285179	0.321285
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	VOC	0.009225	0.002767
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	VOC	47.537764	18.965177
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	VOC	0.238648	0.065010
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	VOC	0.686998	0.121556
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	VOC	0.054513	0.009544
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	VOC	11.316740	4.641662
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	VOC	7.429155	2.066024
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	VOC	145.974297	46.506906
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	VOC	89.458368	38.663982
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	215.787190	74.423499

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	VOC	70.497328	19.712744
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	VOC	141.580286	53.361899
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	VOC	67.598610	22.969616
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	VOC	92.243292	105.822030
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	VOC	26.508778	30.412205
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	VOC	0.030377	0.007627
2260005035	Agricultural Equipment	Sprayers	2 Stroke	VOC	0.001544	0.000387
2260006005	Commercial Equipment	Generator Sets	2 Stroke	VOC	10.497260	3.025562
2260006010	Commercial Equipment	Pumps	2 Stroke	VOC	71.942306	21.984540
2260006015	Commercial Equipment	Air Compressors	2 Stroke	VOC	0.025501	0.008389
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	VOC	0.397835	0.130136
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	VOC	0.025109	0.012701
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	VOC	2.154810	2.883012
2265001030	Recreational Equipment	ATVs	4 Stroke	VOC	22.418455	32.292836
2265001050	Recreational Equipment	Golf Carts	4 Stroke	VOC	13.316322	11.364622
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	VOC	1.301270	1.133540
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	VOC	0.909103	0.604020
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	VOC	0.007831	0.005454
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	VOC	3.569701	2.164847
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	VOC	1.471422	1.030404
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	VOC	5.015870	3.140703
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	VOC	1.833132	1.124298
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	VOC	0.128280	0.071344
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	VOC	3.620960	2.109199
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	VOC	2.130721	1.358530
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	VOC	5.288686	3.945307
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	VOC	5.381228	3.887407
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	VOC	0.182941	0.130634
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	VOC	0.477885	0.296316
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	VOC	0.272491	0.162610
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	VOC	0.660478	0.308374
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	VOC	1.786962	1.323572
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	VOC	1.242467	0.840938
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	VOC	0.765220	0.559861
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	VOC	0.234465	0.171893

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	VOC	4.670284	2.341222
2265003020	Industrial Equipment	Forklifts	4 Stroke	VOC	13.298219	4.830692
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	VOC	4.088000	1.295818
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	VOC	14.506522	4.476740
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	VOC	0.332971	0.162992
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	VOC	0.377239	0.174404
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	VOC	1.366445	0.179886
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	VOC	403.784785	394.693689
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	VOC	35.035953	21.109570
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	VOC	33.702463	32.880882
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	VOC	16.724600	14.079736
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	2.129116	2.050650
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	VOC	0.579999	0.381094
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	VOC	4.273377	4.112809
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	VOC	11.693901	8.716002
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	VOC	35.977194	41.269229
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	VOC	3.846195	4.413331
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	VOC	39.641510	39.257084
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	VOC	1.364257	1.119910
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	VOC	2.284651	1.955659
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	VOC	2.055440	1.756091
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	VOC	474.079435	444.252814
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	VOC	18.415997	14.390808
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	VOC	2.777675	1.891808
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	VOC	67.652540	52.281780
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	VOC	24.580549	22.335448
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	VOC	4.532142	3.960752
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	VOC	0.000218	0.000174
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	VOC	0.000710	0.000407
2265005020	Agricultural Equipment	Combines	4 Stroke	VOC	0.000005	0.000004
2265005025	Agricultural Equipment	Balers	4 Stroke	VOC	0.000493	0.000437
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	VOC	0.000228	0.000171
2265005035	Agricultural Equipment	Sprayers	4 Stroke	VOC	0.003270	0.002669
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	VOC	0.006586	0.006280
2265005045	Agricultural Equipment	Swathers	4 Stroke	VOC	0.000734	0.000648

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	VOC	0.001230	0.001025
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	VOC	0.001295	0.000528
2265006005	Commercial Equipment	Generator Sets	4 Stroke	VOC	202.109750	171.474860
2265006010	Commercial Equipment	Pumps	4 Stroke	VOC	59.448814	37.098742
2265006015	Commercial Equipment	Air Compressors	4 Stroke	VOC	24.055364	16.462456
2265006025	Commercial Equipment	Welders	4 Stroke	VOC	37.811073	33.228325
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	VOC	104.713503	77.755264
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	VOC	3.705150	2.892267
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	VOC	0.004506	0.003875
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	VOC	0.000077	0.000043
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	VOC	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	VOC	0.193597	0.149016
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	VOC	0.020238	0.017088
2267002003	Construction and Mining Equipment	Pavers	LPG	VOC	0.068936	0.039355
2267002015	Construction and Mining Equipment	Rollers	LPG	VOC	0.116953	0.046833
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	VOC	0.018034	0.014105
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	VOC	0.011892	0.006269
2267002030	Construction and Mining Equipment	Trenchers	LPG	VOC	0.210964	0.125836
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	VOC	0.068452	0.060716
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	VOC	0.204458	0.054106
2267002045	Construction and Mining Equipment	Cranes	LPG	VOC	0.073735	0.057535
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	VOC	0.012280	0.009399
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	VOC	0.133786	0.088922
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	VOC	0.334685	0.179475
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	VOC	0.035685	0.015763
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	VOC	0.274253	0.199271
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	VOC	0.109896	0.088556
2267003010	Industrial Equipment	Aerial Lifts	LPG	VOC	1.727279	1.400085
2267003020	Industrial Equipment	Forklifts	LPG	VOC	164.795119	92.551925
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	VOC	1.269264	0.478402
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	VOC	0.385674	0.181126
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	VOC	0.093388	0.074420
2267003070	Industrial Equipment	Terminal Tractors	LPG	VOC	0.776966	0.196292
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	VOC	0.516960	0.248382
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	VOC	0.000005	0.000004

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267005060	Agricultural Equipment	Irrigation Sets	LPG	VOC	0.000004	0.000002
2267006005	Commercial Equipment	Generator Sets	LPG	VOC	4.737848	4.631602
2267006010	Commercial Equipment	Pumps	LPG	VOC	1.117353	0.900727
2267006015	Commercial Equipment	Air Compressors	LPG	VOC	1.358577	0.945038
2267006025	Commercial Equipment	Welders	LPG	VOC	2.199160	1.674822
2267006030	Commercial Equipment	Pressure Washers	LPG	VOC	0.028606	0.026257
2267006035	Commercial Equipment	Hydro Power Units	LPG	VOC	0.021177	0.011630
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	VOC	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	VOC	0.000256	0.000206
2268003020	Industrial Equipment	Forklifts	CNG	VOC	0.708053	0.391413
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	VOC	0.000847	0.000462
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	VOC	0.000553	0.000282
2268003060	Industrial Equipment	AC\Refrigeration	CNG	VOC	0.003037	0.001304
2268003070	Industrial Equipment	Terminal Tractors	CNG	VOC	0.003225	0.000806
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	VOC	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	VOC	0.000028	0.000002
2268006005	Commercial Equipment	Generator Sets	CNG	VOC	0.092425	0.085088
2268006010	Commercial Equipment	Pumps	CNG	VOC	0.004670	0.003792
2268006015	Commercial Equipment	Air Compressors	CNG	VOC	0.006741	0.004483
2268006020	Commercial Equipment	Gas Compressors	CNG	VOC	0.352162	0.020970
2268006035	Commercial Equipment	Hydro Power Units	CNG	VOC	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	VOC	0.005383	0.000416
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	VOC	0.246972	0.210692
2270002003	Construction and Mining Equipment	Pavers	Diesel	VOC	1.968413	1.374256
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	VOC	0.007293	0.005841
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	VOC	0.122291	0.091397
2270002015	Construction and Mining Equipment	Rollers	Diesel	VOC	5.579787	3.723581
2270002018	Construction and Mining Equipment	Scrapers	Diesel	VOC	4.094162	2.713632
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	VOC	0.359731	0.249323
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	VOC	0.248187	0.169339
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	VOC	1.206352	0.732497
2270002030	Construction and Mining Equipment	Trenchers	Diesel	VOC	3.322291	2.162577
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	VOC	2.604966	2.157436
2270002036	Construction and Mining Equipment	Excavators	Diesel	VOC	16.154888	11.817735
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	VOC	0.267643	0.159086

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	VOC	0.125273	0.111767
2270002045	Construction and Mining Equipment	Cranes	Diesel	VOC	4.208389	3.030156
2270002048	Construction and Mining Equipment	Graders	Diesel	VOC	4.022374	2.974016
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	VOC	13.922957	8.611012
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	VOC	0.857912	0.599119
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	VOC	8.023287	5.585744
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	VOC	20.080966	14.759105
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	VOC	34.665693	29.521832
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	VOC	17.448731	12.042028
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	VOC	33.468819	26.907315
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	VOC	2.360729	1.490822
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	VOC	0.101720	0.089183
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	VOC	2.202863	1.597741
2270003010	Industrial Equipment	Aerial Lifts	Diesel	VOC	1.966041	1.769737
2270003020	Industrial Equipment	Forklifts	Diesel	VOC	6.939906	5.055381
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	VOC	3.589382	2.505503
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	VOC	3.885453	2.873888
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	VOC	0.365707	0.323250
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	VOC	28.743315	17.883587
2270003070	Industrial Equipment	Terminal Tractors	Diesel	VOC	3.802191	3.054374
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	VOC	0.000283	0.000278
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	VOC	0.036124	0.032704
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	VOC	1.696941	1.258613
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	VOC	0.375811	0.260629
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	VOC	1.454634	1.361464
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	VOC	0.175392	0.109656
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	VOC	0.005403	0.004980
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	VOC	0.000003	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	VOC	0.084924	0.058284
2270005020	Agricultural Equipment	Combines	Diesel	VOC	0.006185	0.005409
2270005025	Agricultural Equipment	Balers	Diesel	VOC	0.000063	0.000048
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	VOC	0.000010	0.000008
2270005035	Agricultural Equipment	Sprayers	Diesel	VOC	0.000902	0.000656
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	VOC	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	VOC	0.000557	0.000516

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	VOC	0.001893	0.001320
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	VOC	0.001165	0.000789
2270006005	Commercial Equipment	Generator Sets	Diesel	VOC	15.417476	13.320996
2270006010	Commercial Equipment	Pumps	Diesel	VOC	3.390222	2.987213
2270006015	Commercial Equipment	Air Compressors	Diesel	VOC	7.642123	5.751761
2270006020	Commercial Equipment	Gas Compressors	Diesel	VOC	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	VOC	11.633980	9.767378
2270006030	Commercial Equipment	Pressure Washers	Diesel	VOC	0.484622	0.435905
2270006035	Commercial Equipment	Hydro Power Units	Diesel	VOC	0.355992	0.254993
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	VOC	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	VOC	0.004235	0.002624
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	VOC	168.262176	204.718540
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	VOC	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	VOC	0.071434	0.039852
2275000000	Aicraft	All Aircraft Types and Operations	Other	VOC	378.747000	590.883000
2275070000	Aircraft	Auxiliary Power Units	Other	VOC	3.077886	3.301592
2280000000	Marine Vessels	Commercial	All Fuels	VOC	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	VOC	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	VOC	57.442369	59.935368
2280003000	Marine Vessels	Commercial	Residual Fuel	VOC	44.136788	55.020920
2280004000	Marine Vessels	Commercial	Gasoline	VOC	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	VOC	243.910819	181.072333
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	VOC	84.563603	50.184899
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	VOC	16.168471	15.920505
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	VOC	0.425024	0.464118
2282020010	Pleasure Craft	Outboards	Diesel	VOC	0.010678	0.008470
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	VOC	18.492400	18.154000
2285002010	Railroad Equipment	Yard Locomotives	Diesel	VOC	3.907700	3.836200
2285002015	Railroad Equipment	Railway Maintenance	Diesel	VOC	0.143459	0.126917
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	VOC	0.043583	0.029629
2285006015	Railroad Equipment	Railway Maintenance	LPG	VOC	0.000494	0.000365

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
Philadelphia County Total Annual VOC Emissions					**4340.992271**	**3650.242719**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	SO2	0.038160	0.014270
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	SO2	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	SO2	0.023668	0.013843
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	SO2	0.015719	0.003758
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	SO2	0.019157	0.003864
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	SO2	0.001035	0.000251
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	SO2	0.001235	0.000300
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	SO2	0.000009	0.000002
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	SO2	0.047734	0.009961
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	SO2	0.000239	0.000058
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	SO2	0.000709	0.000108
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	SO2	0.000056	0.000009
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.009999	0.002782
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	SO2	0.007115	0.001922
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	SO2	0.137301	0.038398
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	SO2	0.089758	0.021335
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.186546	0.053279
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	SO2	0.070266	0.018714
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	SO2	0.121952	0.034315
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	SO2	0.069004	0.017467
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	SO2	0.032721	0.008410
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	SO2	0.010883	0.002797
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	SO2	0.000030	0.000008
2260005035	Agricultural Equipment	Sprayers	2 Stroke	SO2	0.000001	0.000000
2260006005	Commercial Equipment	Generator Sets	2 Stroke	SO2	0.010130	0.002965
2260006010	Commercial Equipment	Pumps	2 Stroke	SO2	0.065465	0.019837
2260006015	Commercial Equipment	Air Compressors	2 Stroke	SO2	0.000026	0.000008
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	SO2	0.000409	0.000120
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	SO2	0.000025	0.000006
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	SO2	0.021395	0.007513
2265001030	Recreational Equipment	ATVs	4 Stroke	SO2	0.204593	0.078347

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265001050	Recreational Equipment	Golf Carts	4 Stroke	SO2	0.224472	0.050034
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	SO2	0.012800	0.002820
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	SO2	0.016635	0.003478
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	SO2	0.000126	0.000026
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	SO2	0.028718	0.006049
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	SO2	0.029247	0.006132
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	SO2	0.057633	0.011914
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	SO2	0.023636	0.005003
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	SO2	0.001180	0.000251
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	SO2	0.050486	0.010607
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	SO2	0.016218	0.003472
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	SO2	0.105057	0.022366
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	SO2	0.051681	0.010699
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	SO2	0.004228	0.000896
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	SO2	0.006740	0.001426
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	SO2	0.006689	0.001385
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	SO2	0.016369	0.003293
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	SO2	0.034805	0.007350
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	SO2	0.025049	0.005201
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	SO2	0.008202	0.001691
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	SO2	0.005745	0.001228
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	SO2	0.097017	0.013023
2265003020	Industrial Equipment	Forklifts	4 Stroke	SO2	0.326500	0.041932
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	SO2	0.079173	0.010003
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	SO2	0.130862	0.017313
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	SO2	0.006841	0.000913
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	SO2	0.006170	0.000798
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	SO2	0.033695	0.003988
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	SO2	1.835884	0.453249
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	SO2	0.202242	0.048732
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.156373	0.038178
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	SO2	0.105947	0.025805
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.009930	0.002487
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	SO2	0.005021	0.001192
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	SO2	0.019052	0.004755

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	SO2	0.225557	0.052809
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	SO2	0.211980	0.054505
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	SO2	0.070502	0.018128
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	SO2	0.403018	0.097444
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	SO2	0.025502	0.006041
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	SO2	0.030741	0.007085
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	SO2	0.012297	0.002986
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	SO2	5.489394	1.308457
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	SO2	0.352103	0.082123
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	SO2	0.060748	0.014062
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	SO2	1.078848	0.260053
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.183584	0.045244
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	SO2	0.033851	0.008017
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	SO2	0.000004	0.000001
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	SO2	0.000017	0.000004
2265005020	Agricultural Equipment	Combines	4 Stroke	SO2	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	SO2	0.000011	0.000002
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	SO2	0.000003	0.000001
2265005035	Agricultural Equipment	Sprayers	4 Stroke	SO2	0.000036	0.000008
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	SO2	0.000077	0.000018
2265005045	Agricultural Equipment	Swathers	4 Stroke	SO2	0.000017	0.000004
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	SO2	0.000024	0.000006
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	SO2	0.000030	0.000006
2265006005	Commercial Equipment	Generator Sets	4 Stroke	SO2	2.476104	0.614815
2265006010	Commercial Equipment	Pumps	4 Stroke	SO2	0.580423	0.147099
2265006015	Commercial Equipment	Air Compressors	4 Stroke	SO2	0.316881	0.080416
2265006025	Commercial Equipment	Welders	4 Stroke	SO2	0.690573	0.175696
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	SO2	1.049288	0.263825
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	SO2	0.049939	0.012692
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	SO2	0.000059	0.000015
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	SO2	0.000001	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	SO2	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	SO2	0.004017	0.000848
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	SO2	0.000081	0.000081
2267002003	Construction and Mining Equipment	Pavers	LPG	SO2	0.000274	0.000276

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267002015	Construction and Mining Equipment	Rollers	LPG	SO2	0.000462	0.000449
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	SO2	0.000072	0.000076
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	SO2	0.000047	0.000047
2267002030	Construction and Mining Equipment	Trenchers	LPG	SO2	0.000840	0.000851
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	SO2	0.000277	0.000300
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	SO2	0.000798	0.000756
2267002045	Construction and Mining Equipment	Cranes	LPG	SO2	0.000296	0.000312
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	SO2	0.000049	0.000052
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	SO2	0.000534	0.000549
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	SO2	0.001328	0.001326
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	SO2	0.000141	0.000138
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	SO2	0.001099	0.001146
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	SO2	0.000442	0.000469
2267003010	Industrial Equipment	Aerial Lifts	LPG	SO2	0.006971	0.007743
2267003020	Industrial Equipment	Forklifts	LPG	SO2	0.655711	0.690516
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	SO2	0.004996	0.005079
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	SO2	0.001530	0.001582
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	SO2	0.000376	0.000417
2267003070	Industrial Equipment	Terminal Tractors	LPG	SO2	0.003050	0.003020
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	SO2	0.002050	0.002028
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	SO2	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	SO2	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	SO2	0.025509	0.033572
2267006010	Commercial Equipment	Pumps	LPG	SO2	0.005929	0.007585
2267006015	Commercial Equipment	Air Compressors	LPG	SO2	0.007138	0.008963
2267006025	Commercial Equipment	Welders	LPG	SO2	0.008878	0.011170
2267006030	Commercial Equipment	Pressure Washers	LPG	SO2	0.000117	0.000151
2267006035	Commercial Equipment	Hydro Power Units	LPG	SO2	0.000111	0.000136
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	SO2	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	SO2	0.000015	0.000016
2268003020	Industrial Equipment	Forklifts	CNG	SO2	0.040290	0.044299
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	SO2	0.000048	0.000053
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	SO2	0.000031	0.000034
2268003060	Industrial Equipment	AC\Refrigeration	CNG	SO2	0.000172	0.000187
2268003070	Industrial Equipment	Terminal Tractors	CNG	SO2	0.000181	0.000195

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	SO2	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	SO2	0.000001	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	SO2	0.007377	0.008838
2268006010	Commercial Equipment	Pumps	CNG	SO2	0.000369	0.000437
2268006015	Commercial Equipment	Air Compressors	CNG	SO2	0.000526	0.000615
2268006020	Commercial Equipment	Gas Compressors	CNG	SO2	0.017982	0.021508
2268006035	Commercial Equipment	Hydro Power Units	CNG	SO2	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	SO2	0.000291	0.000274
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	SO2	0.086087	0.015785
2270002003	Construction and Mining Equipment	Pavers	Diesel	SO2	2.488770	0.451629
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	SO2	0.009966	0.001808
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	SO2	0.066715	0.012125
2270002015	Construction and Mining Equipment	Rollers	Diesel	SO2	6.227474	1.130397
2270002018	Construction and Mining Equipment	Scrapers	Diesel	SO2	6.777811	1.229638
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	SO2	0.373995	0.067889
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	SO2	0.230882	0.041921
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	SO2	0.686306	0.124823
2270002030	Construction and Mining Equipment	Trenchers	Diesel	SO2	2.951407	0.535997
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	SO2	2.542194	0.461293
2270002036	Construction and Mining Equipment	Excavators	Diesel	SO2	25.262947	4.582817
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	SO2	0.208705	0.037923
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	SO2	0.099146	0.017991
2270002045	Construction and Mining Equipment	Cranes	Diesel	SO2	5.764260	1.045851
2270002048	Construction and Mining Equipment	Graders	Diesel	SO2	6.287337	1.140533
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	SO2	21.590762	3.917721
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	SO2	1.017841	0.184721
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	SO2	8.077039	1.466243
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	SO2	27.491215	4.987734
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	SO2	16.625263	3.020326
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	SO2	25.154527	4.564023
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	SO2	11.372734	2.069257
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	SO2	2.707199	0.491438
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	SO2	0.035104	0.006382
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	SO2	2.592438	0.470451
2270003010	Industrial Equipment	Aerial Lifts	Diesel	SO2	0.697338	0.129961

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270003020	Industrial Equipment	Forklifts	Diesel	SO2	10.156672	1.889156
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	SO2	4.432989	0.824792
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	SO2	4.498606	0.836978
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	SO2	0.172788	0.032181
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	SO2	28.410144	5.289246
2270003070	Industrial Equipment	Terminal Tractors	Diesel	SO2	6.401401	1.190306
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	SO2	0.000148	0.000030
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	SO2	0.038565	0.007948
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	SO2	1.020443	0.210711
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	SO2	0.210521	0.043492
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	SO2	1.392010	0.286916
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	SO2	0.164169	0.033874
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	SO2	0.003883	0.000801
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	SO2	0.000002	0.000000
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	SO2	0.070960	0.012683
2270005020	Agricultural Equipment	Combines	Diesel	SO2	0.006376	0.001138
2270005025	Agricultural Equipment	Balers	Diesel	SO2	0.000036	0.000006
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	SO2	0.000007	0.000001
2270005035	Agricultural Equipment	Sprayers	Diesel	SO2	0.000540	0.000097
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	SO2	0.000001	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	SO2	0.000500	0.000089
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	SO2	0.001386	0.000248
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	SO2	0.001019	0.000182
2270006005	Commercial Equipment	Generator Sets	Diesel	SO2	11.270478	2.153840
2270006010	Commercial Equipment	Pumps	Diesel	SO2	2.659637	0.508169
2270006015	Commercial Equipment	Air Compressors	Diesel	SO2	7.378842	1.410067
2270006020	Commercial Equipment	Gas Compressors	Diesel	SO2	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	SO2	3.729143	0.714480
2270006030	Commercial Equipment	Pressure Washers	Diesel	SO2	0.360555	0.068890
2270006035	Commercial Equipment	Hydro Power Units	Diesel	SO2	0.320001	0.061167
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	SO2	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	SO2	0.007478	0.001072
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	SO2	26.040260	35.217716
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	SO2	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	SO2	0.088949	0.013523
2275000000	Aicraft	All Aircraft Types and Operations	Other	SO2	189.456942	284.486810
2275070000	Aircraft	Auxiliary Power Units	Other	SO2	4.305514	5.084628
2280000000	Marine Vessels	Commercial	All Fuels	SO2	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	SO2	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	SO2	24.897901	26.508795
2280003000	Marine Vessels	Commercial	Residual Fuel	SO2	23.800885	24.886205
2280004000	Marine Vessels	Commercial	Gasoline	SO2	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	SO2	0.438724	0.102472
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	SO2	0.177180	0.039754
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	SO2	0.267282	0.060944
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	SO2	1.445868	0.267993
2282020010	Pleasure Craft	Outboards	Diesel	SO2	0.006216	0.001155
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	SO2	28.649600	32.015900
2285002010	Railroad Equipment	Yard Locomotives	Diesel	SO2	6.054100	6.765500
2285002015	Railroad Equipment	Railway Maintenance	Diesel	SO2	0.074135	0.014029
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	SO2	0.000641	0.000140
2285006015	Railroad Equipment	Railway Maintenance	LPG	SO2	0.000002	0.000002
Philadelphia County Total Annual SO2 Emissions					**584.906741**	**468.530806**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM2.5	2.031362	2.691546
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM2.5	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM2.5	2.002382	3.282616
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM2.5	0.008283	0.007125
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM2.5	1.011201	1.030971
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM2.5	0.043524	0.036422
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM2.5	0.052364	0.043898
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM2.5	0.000394	0.000337
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM2.5	2.668692	2.687690
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM2.5	0.010469	0.008952
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM2.5	0.030715	0.016468
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM2.5	0.002447	0.001312
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	0.394722	0.400433

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM2.5	0.285940	0.272534
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM2.5	5.500511	5.391002
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM2.5	4.949240	5.554496
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	7.530173	7.761785
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM2.5	2.970412	2.899646
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM2.5	4.913348	4.867151
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM2.5	3.182128	3.296997
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM2.5	2.621664	3.007715
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM2.5	0.871883	1.000272
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM2.5	0.001227	0.001147
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM2.5	0.000057	0.000055
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM2.5	0.423601	0.428657
2260006010	Commercial Equipment	Pumps	2 Stroke	PM2.5	2.962825	3.170608
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM2.5	0.001147	0.001189
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM2.5	0.017803	0.018427
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM2.5	0.001447	0.001827
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM2.5	0.028597	0.044877
2265001030	Recreational Equipment	ATVs	4 Stroke	PM2.5	0.257828	0.439646
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM2.5	0.131756	0.120131
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM2.5	0.006444	0.006203
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM2.5	0.009073	0.007583
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM2.5	0.000069	0.000055
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM2.5	0.025575	0.017463
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM2.5	0.015640	0.013776
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM2.5	0.038548	0.028255
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM2.5	0.016165	0.011923
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM2.5	0.000979	0.000639
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM2.5	0.032195	0.024291
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM2.5	0.014143	0.009968
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM2.5	0.059219	0.052531
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM2.5	0.035606	0.028530
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM2.5	0.001638	0.001604
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM2.5	0.004365	0.003302
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM2.5	0.002431	0.002465
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM2.5	0.005927	0.006044

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM2.5	0.019208	0.016458
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM2.5	0.011253	0.010045
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM2.5	0.004746	0.003981
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM2.5	0.002069	0.002102
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM2.5	0.041379	0.024194
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM2.5	0.119597	0.076452
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM2.5	0.038247	0.021199
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM2.5	0.113637	0.045144
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM2.5	0.003025	0.001727
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM2.5	0.003478	0.001763
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM2.5	0.012403	0.007905
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM2.5	1.992754	1.887970
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM2.5	0.236362	0.159973
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.148879	0.164409
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM2.5	0.129598	0.102739
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.010414	0.010191
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM2.5	0.004494	0.003430
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.020471	0.019803
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM2.5	0.122135	0.114404
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM2.5	0.079929	0.091730
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM2.5	0.026580	0.030505
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.205798	0.207671
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM2.5	0.013985	0.013152
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM2.5	0.015972	0.015446
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM2.5	0.016369	0.012070
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM2.5	2.852080	2.796897
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM2.5	0.196167	0.178740
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM2.5	0.028896	0.029560
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM2.5	0.637786	0.617681
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.182141	0.143304
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM2.5	0.033492	0.025340
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM2.5	0.000002	0.000002
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM2.5	0.000007	0.000007
2265005020	Agricultural Equipment	Combines	4 Stroke	PM2.5	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	PM2.5	0.000004	0.000004

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM2.5	0.000002	0.000002
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM2.5	0.000022	0.000020
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM2.5	0.000029	0.000033
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM2.5	0.000006	0.000007
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM2.5	0.000010	0.000010
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM2.5	0.000011	0.000012
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM2.5	1.391533	1.394739
2265006010	Commercial Equipment	Pumps	4 Stroke	PM2.5	0.462863	0.356625
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM2.5	0.206844	0.184550
2265006025	Commercial Equipment	Welders	4 Stroke	PM2.5	0.374808	0.387345
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM2.5	0.797134	0.679352
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM2.5	0.032439	0.029560
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM2.5	0.000030	0.000033
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM2.5	0.000001	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM2.5	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM2.5	0.002352	0.002035
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM2.5	0.000350	0.000369
2267002003	Construction and Mining Equipment	Pavers	LPG	PM2.5	0.001192	0.001366
2267002015	Construction and Mining Equipment	Rollers	LPG	PM2.5	0.002023	0.002318
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM2.5	0.000312	0.000358
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM2.5	0.000206	0.000236
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM2.5	0.003649	0.004182
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM2.5	0.001184	0.001358
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM2.5	0.003536	0.004052
2267002045	Construction and Mining Equipment	Cranes	LPG	PM2.5	0.001275	0.001462
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM2.5	0.000212	0.000243
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM2.5	0.002314	0.002652
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM2.5	0.005788	0.006635
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM2.5	0.000617	0.000707
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM2.5	0.004743	0.005437
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM2.5	0.001901	0.002179
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM2.5	0.029873	0.036222
2267003020	Industrial Equipment	Forklifts	LPG	PM2.5	2.850074	3.448627
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM2.5	0.021951	0.026553
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM2.5	0.006670	0.008070

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM2.5	0.001615	0.001958
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM2.5	0.013437	0.016251
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM2.5	0.008941	0.010276
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM2.5	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM2.5	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	PM2.5	0.106521	0.151887
2267006010	Commercial Equipment	Pumps	LPG	PM2.5	0.025121	0.035790
2267006015	Commercial Equipment	Air Compressors	LPG	PM2.5	0.030545	0.043492
2267006025	Commercial Equipment	Welders	LPG	PM2.5	0.038034	0.054153
2267006030	Commercial Equipment	Pressure Washers	LPG	PM2.5	0.000495	0.000705
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM2.5	0.000476	0.000677
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM2.5	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM2.5	0.000075	0.000086
2268003020	Industrial Equipment	Forklifts	CNG	PM2.5	0.207762	0.243228
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM2.5	0.000248	0.000291
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM2.5	0.000162	0.000190
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM2.5	0.000891	0.001043
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM2.5	0.000946	0.001107
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM2.5	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM2.5	0.000008	0.000001
2268006005	Commercial Equipment	Generator Sets	CNG	PM2.5	0.035254	0.043900
2268006010	Commercial Equipment	Pumps	CNG	PM2.5	0.001781	0.002216
2268006015	Commercial Equipment	Air Compressors	CNG	PM2.5	0.002571	0.003197
2268006020	Commercial Equipment	Gas Compressors	CNG	PM2.5	0.103334	0.128271
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM2.5	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM2.5	0.001580	0.001573
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM2.5	0.133525	0.112471
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM2.5	1.839824	1.288919
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM2.5	0.005054	0.003611
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM2.5	0.082758	0.061369
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM2.5	5.155279	3.630894
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM2.5	4.129704	2.662175
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM2.5	0.325286	0.230601
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM2.5	0.229920	0.156805
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM2.5	0.728112	0.471947

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM2.5	3.023607	2.148019
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM2.5	2.129234	1.575645
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM2.5	15.390302	10.935184
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM2.5	0.231144	0.162883
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM2.5	0.093404	0.077920
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM2.5	3.360306	2.105396
2270002048	Construction and Mining Equipment	Graders	Diesel	PM2.5	3.672627	2.610216
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM2.5	12.141393	7.262265
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM2.5	0.703159	0.451839
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM2.5	7.727516	5.615483
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM2.5	19.347381	13.248653
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM2.5	22.947589	20.319236
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM2.5	15.928132	10.953280
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM2.5	19.736044	17.217259
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM2.5	2.089105	1.277878
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM2.5	0.061107	0.053955
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM2.5	2.190706	1.453742
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM2.5	1.149459	1.031916
2270003020	Industrial Equipment	Forklifts	Diesel	PM2.5	7.762160	5.573761
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM2.5	2.821850	1.966103
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM2.5	3.052923	2.134446
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM2.5	0.242644	0.199801
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM2.5	23.708891	15.425563
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM2.5	3.796140	2.798593
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM2.5	0.000151	0.000152
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM2.5	0.027725	0.021915
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM2.5	1.035863	0.844661
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM2.5	0.223874	0.157752
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM2.5	1.165373	1.007135
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM2.5	0.124874	0.092877
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM2.5	0.003966	0.003613
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM2.5	0.000002	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM2.5	0.080823	0.053710
2270005020	Agricultural Equipment	Combines	Diesel	PM2.5	0.008533	0.005875
2270005025	Agricultural Equipment	Balers	Diesel	PM2.5	0.000049	0.000037

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM2.5	0.000010	0.000008
2270005035	Agricultural Equipment	Sprayers	Diesel	PM2.5	0.000681	0.000470
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM2.5	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	PM2.5	0.000709	0.000547
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM2.5	0.001919	0.001214
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM2.5	0.000906	0.000608
2270006005	Commercial Equipment	Generator Sets	Diesel	PM2.5	10.758841	9.141226
2270006010	Commercial Equipment	Pumps	Diesel	PM2.5	2.609491	2.222513
2270006015	Commercial Equipment	Air Compressors	Diesel	PM2.5	6.194747	4.678632
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM2.5	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM2.5	6.447072	5.793053
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM2.5	0.301444	0.250883
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM2.5	0.275420	0.206442
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM2.5	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM2.5	0.004191	0.002368
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM2.5	9.545520	16.295274
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM2.5	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM2.5	0.054872	0.027384
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM2.5	19.515318	31.911716
2275070000	Aircraft	Auxiliary Power Units	Other	PM2.5	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM2.5	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM2.5	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM2.5	22.699837	22.307130
2280003000	Marine Vessels	Commercial	Residual Fuel	PM2.5	14.782939	17.959793
2280004000	Marine Vessels	Commercial	Gasoline	PM2.5	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM2.5	3.923074	2.707479
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM2.5	1.564021	0.873457
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM2.5	0.089803	0.094447
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM2.5	0.304498	0.232737
2282020010	Pleasure Craft	Outboards	Diesel	PM2.5	0.005512	0.004869
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM2.5	11.331200	10.724900
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM2.5	2.394500	2.266400
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM2.5	0.104931	0.086718
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM2.5	0.000388	0.000313

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM2.5	0.000009	0.000010
Philadelphia County Total Annual PM2.5 Emissions					**360.804641**	**328.060355**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	PM10	2.208002	2.925593
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	PM10	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	PM10	2.176503	3.568061
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	PM10	0.009003	0.007744
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	PM10	1.099132	1.120621
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	PM10	0.047309	0.039589
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	PM10	0.056918	0.047715
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	PM10	0.000428	0.000366
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	PM10	2.900752	2.921403
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	PM10	0.011379	0.009730
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	PM10	0.033386	0.017900
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	PM10	0.002660	0.001426
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	PM10	0.429046	0.435253
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	PM10	0.310804	0.296232
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	PM10	5.978816	5.859785
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	PM10	5.379609	6.037496
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	8.184971	8.436723
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	PM10	3.228709	3.151789
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	PM10	5.340596	5.290382
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	PM10	3.458835	3.583692
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	PM10	2.849634	3.269256
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	PM10	0.947699	1.087252
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	PM10	0.001333	0.001247
2260005035	Agricultural Equipment	Sprayers	2 Stroke	PM10	0.000062	0.000060
2260006005	Commercial Equipment	Generator Sets	2 Stroke	PM10	0.460436	0.465932
2260006010	Commercial Equipment	Pumps	2 Stroke	PM10	3.220462	3.446313
2260006015	Commercial Equipment	Air Compressors	2 Stroke	PM10	0.001247	0.001292
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	PM10	0.019351	0.020030
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	PM10	0.001573	0.001986

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	PM10	0.031083	0.048780
2265001030	Recreational Equipment	ATVs	4 Stroke	PM10	0.280247	0.477876
2265001050	Recreational Equipment	Golf Carts	4 Stroke	PM10	0.143213	0.130577
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	PM10	0.007004	0.006743
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	PM10	0.009861	0.008243
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	PM10	0.000075	0.000060
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	PM10	0.027799	0.018982
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	PM10	0.017000	0.014974
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	PM10	0.041900	0.030712
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	PM10	0.017571	0.012960
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	PM10	0.001064	0.000695
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	PM10	0.034995	0.026403
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	PM10	0.015373	0.010835
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	PM10	0.064369	0.057099
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	PM10	0.038702	0.031011
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	PM10	0.001781	0.001743
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	PM10	0.004745	0.003589
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	PM10	0.002643	0.002680
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	PM10	0.006443	0.006569
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	PM10	0.020878	0.017889
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	PM10	0.012231	0.010918
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	PM10	0.005159	0.004328
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	PM10	0.002249	0.002285
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	PM10	0.044977	0.026298
2265003020	Industrial Equipment	Forklifts	4 Stroke	PM10	0.129996	0.083100
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	PM10	0.041572	0.023042
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	PM10	0.123518	0.049070
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	PM10	0.003288	0.001877
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	PM10	0.003780	0.001916
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	PM10	0.013481	0.008592
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	PM10	2.166037	2.052142
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	PM10	0.256915	0.173884
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.161825	0.178705
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	PM10	0.140867	0.111673
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.011319	0.011077

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	PM10	0.004884	0.003728
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	PM10	0.022251	0.021525
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	PM10	0.132755	0.124352
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	PM10	0.086879	0.099707
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	PM10	0.028891	0.033157
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	PM10	0.223693	0.225729
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	PM10	0.015202	0.014296
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	PM10	0.017361	0.016789
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	PM10	0.017793	0.013119
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	PM10	3.100087	3.040105
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	PM10	0.213225	0.194283
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	PM10	0.031409	0.032130
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	PM10	0.693246	0.671393
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.197980	0.155765
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	PM10	0.036404	0.027543
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	PM10	0.000002	0.000002
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	PM10	0.000007	0.000008
2265005020	Agricultural Equipment	Combines	4 Stroke	PM10	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	PM10	0.000004	0.000005
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	PM10	0.000002	0.000002
2265005035	Agricultural Equipment	Sprayers	4 Stroke	PM10	0.000024	0.000022
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	PM10	0.000032	0.000036
2265005045	Agricultural Equipment	Swathers	4 Stroke	PM10	0.000006	0.000007
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	PM10	0.000011	0.000011
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	PM10	0.000012	0.000013
2265006005	Commercial Equipment	Generator Sets	4 Stroke	PM10	1.512536	1.516021
2265006010	Commercial Equipment	Pumps	4 Stroke	PM10	0.503112	0.387636
2265006015	Commercial Equipment	Air Compressors	4 Stroke	PM10	0.224830	0.200598
2265006025	Commercial Equipment	Welders	4 Stroke	PM10	0.407400	0.421027
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	PM10	0.866450	0.738427
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	PM10	0.035260	0.032130
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	PM10	0.000033	0.000036
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	PM10	0.000001	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	PM10	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	PM10	0.002557	0.002212

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	PM10	0.000350	0.000369
2267002003	Construction and Mining Equipment	Pavers	LPG	PM10	0.001192	0.001366
2267002015	Construction and Mining Equipment	Rollers	LPG	PM10	0.002023	0.002318
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	PM10	0.000312	0.000358
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	PM10	0.000206	0.000236
2267002030	Construction and Mining Equipment	Trenchers	LPG	PM10	0.003649	0.004182
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	PM10	0.001184	0.001358
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	PM10	0.003536	0.004052
2267002045	Construction and Mining Equipment	Cranes	LPG	PM10	0.001275	0.001462
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	PM10	0.000212	0.000243
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	PM10	0.002314	0.002652
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	PM10	0.005788	0.006635
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	PM10	0.000617	0.000707
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	PM10	0.004743	0.005437
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	PM10	0.001901	0.002179
2267003010	Industrial Equipment	Aerial Lifts	LPG	PM10	0.029873	0.036222
2267003020	Industrial Equipment	Forklifts	LPG	PM10	2.850074	3.448627
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	PM10	0.021951	0.026553
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	PM10	0.006670	0.008070
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	PM10	0.001615	0.001958
2267003070	Industrial Equipment	Terminal Tractors	LPG	PM10	0.013437	0.016251
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	PM10	0.008941	0.010276
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	PM10	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	PM10	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	PM10	0.106521	0.151887
2267006010	Commercial Equipment	Pumps	LPG	PM10	0.025121	0.035790
2267006015	Commercial Equipment	Air Compressors	LPG	PM10	0.030545	0.043492
2267006025	Commercial Equipment	Welders	LPG	PM10	0.038034	0.054153
2267006030	Commercial Equipment	Pressure Washers	LPG	PM10	0.000495	0.000705
2267006035	Commercial Equipment	Hydro Power Units	LPG	PM10	0.000476	0.000677
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	PM10	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	PM10	0.000075	0.000086
2268003020	Industrial Equipment	Forklifts	CNG	PM10	0.207762	0.243228
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	PM10	0.000248	0.000291
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	PM10	0.000162	0.000190

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003060	Industrial Equipment	AC\Refrigeration	CNG	PM10	0.000891	0.001043
2268003070	Industrial Equipment	Terminal Tractors	CNG	PM10	0.000946	0.001107
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	PM10	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	PM10	0.000008	0.000001
2268006005	Commercial Equipment	Generator Sets	CNG	PM10	0.035254	0.043900
2268006010	Commercial Equipment	Pumps	CNG	PM10	0.001781	0.002216
2268006015	Commercial Equipment	Air Compressors	CNG	PM10	0.002571	0.003197
2268006020	Commercial Equipment	Gas Compressors	CNG	PM10	0.103334	0.128271
2268006035	Commercial Equipment	Hydro Power Units	CNG	PM10	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	PM10	0.001580	0.001573
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	PM10	0.137655	0.115950
2270002003	Construction and Mining Equipment	Pavers	Diesel	PM10	1.896725	1.328783
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	PM10	0.005210	0.003723
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	PM10	0.085318	0.063267
2270002015	Construction and Mining Equipment	Rollers	Diesel	PM10	5.314720	3.743190
2270002018	Construction and Mining Equipment	Scrapers	Diesel	PM10	4.257427	2.744510
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	PM10	0.335347	0.237733
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	PM10	0.237031	0.161654
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	PM10	0.750631	0.486543
2270002030	Construction and Mining Equipment	Trenchers	Diesel	PM10	3.117120	2.214453
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	PM10	2.195087	1.624377
2270002036	Construction and Mining Equipment	Excavators	Diesel	PM10	15.866290	11.273386
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	PM10	0.238293	0.167920
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	PM10	0.096293	0.080330
2270002045	Construction and Mining Equipment	Cranes	Diesel	PM10	3.464233	2.170511
2270002048	Construction and Mining Equipment	Graders	Diesel	PM10	3.786213	2.690944
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	PM10	12.516900	7.486871
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	PM10	0.724906	0.465813
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	PM10	7.966512	5.789158
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	PM10	19.945753	13.658405
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	PM10	23.657308	20.947666
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	PM10	16.420755	11.292041
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	PM10	20.346437	17.749751
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	PM10	2.153716	1.317400
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	PM10	0.062997	0.055624

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	PM10	2.258460	1.498703
2270003010	Industrial Equipment	Aerial Lifts	Diesel	PM10	1.185009	1.063831
2270003020	Industrial Equipment	Forklifts	Diesel	PM10	8.002226	5.746145
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	PM10	2.909124	2.026910
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	PM10	3.147344	2.200460
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	PM10	0.250148	0.205981
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	PM10	24.442155	15.902642
2270003070	Industrial Equipment	Terminal Tractors	Diesel	PM10	3.913546	2.885147
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	PM10	0.000155	0.000157
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	PM10	0.028582	0.022593
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	PM10	1.067900	0.870785
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	PM10	0.230798	0.162631
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	PM10	1.201416	1.038283
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	PM10	0.128736	0.095750
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	PM10	0.004089	0.003725
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	PM10	0.000003	0.000002
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	PM10	0.083323	0.055371
2270005020	Agricultural Equipment	Combines	Diesel	PM10	0.008797	0.006057
2270005025	Agricultural Equipment	Balers	Diesel	PM10	0.000051	0.000038
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	PM10	0.000011	0.000008
2270005035	Agricultural Equipment	Sprayers	Diesel	PM10	0.000702	0.000484
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	PM10	0.000001	0.000001
2270005045	Agricultural Equipment	Swathers	Diesel	PM10	0.000731	0.000564
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	PM10	0.001978	0.001251
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	PM10	0.000934	0.000627
2270006005	Commercial Equipment	Generator Sets	Diesel	PM10	11.091589	9.423944
2270006010	Commercial Equipment	Pumps	Diesel	PM10	2.690197	2.291251
2270006015	Commercial Equipment	Air Compressors	Diesel	PM10	6.386337	4.823332
2270006020	Commercial Equipment	Gas Compressors	Diesel	PM10	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	PM10	6.646466	5.972219
2270006030	Commercial Equipment	Pressure Washers	Diesel	PM10	0.310767	0.258642
2270006035	Commercial Equipment	Hydro Power Units	Diesel	PM10	0.283938	0.212826
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	PM10	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	PM10	0.004321	0.002442
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	PM10	9.900368	16.860600

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	PM10	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	PM10	0.056569	0.028231
2275000000	Aicraft	All Aircraft Types and Operations	Other	PM10	19.845918	32.452798
2275070000	Aircraft	Auxiliary Power Units	Other	PM10	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	PM10	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	PM10	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	PM10	24.673736	24.246881
2280003000	Marine Vessels	Commercial	Residual Fuel	PM10	16.068412	19.521514
2280004000	Marine Vessels	Commercial	Gasoline	PM10	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	PM10	4.264211	2.942912
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	PM10	1.700023	0.949410
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	PM10	0.097612	0.102659
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	PM10	0.313916	0.239935
2282020010	Pleasure Craft	Outboards	Diesel	PM10	0.005683	0.005020
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	PM10	11.693700	11.068100
2285002010	Railroad Equipment	Yard Locomotives	Diesel	PM10	2.471100	2.338900
2285002015	Railroad Equipment	Railway Maintenance	Diesel	PM10	0.108177	0.089400
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	PM10	0.000421	0.000340
2285006015	Railroad Equipment	Railway Maintenance	LPG	PM10	0.000009	0.000010
Philadelphia County Total Annual PM10 Emissions					**377.193190**	**343.446843**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	NH3	0.004826	0.007227
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	NH3	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	NH3	0.003879	0.007806
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	NH3	0.001023	0.001078
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	NH3	0.001940	0.001395
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	NH3	0.000109	0.000081
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	NH3	0.000130	0.000096
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	NH3	0.000001	0.000001
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	NH3	0.004981	0.003577
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	NH3	0.000025	0.000019

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	NH3	0.000073	0.000035
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	NH3	0.000006	0.000003
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.001071	0.000901
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	NH3	0.000757	0.000624
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	NH3	0.014522	0.011969
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	NH3	0.009388	0.007602
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.020102	0.016603
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	NH3	0.007357	0.006062
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	NH3	0.012978	0.010691
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	NH3	0.007162	0.005854
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	NH3	0.005350	0.006136
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	NH3	0.001779	0.002041
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	NH3	0.000003	0.000003
2260005035	Agricultural Equipment	Sprayers	2 Stroke	NH3	0.000000	0.000000
2260006005	Commercial Equipment	Generator Sets	2 Stroke	NH3	0.001069	0.000950
2260006010	Commercial Equipment	Pumps	2 Stroke	NH3	0.007099	0.006452
2260006015	Commercial Equipment	Air Compressors	2 Stroke	NH3	0.000003	0.000003
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	NH3	0.000042	0.000039
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	NH3	0.000003	0.000002
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	NH3	0.001402	0.002192
2265001030	Recreational Equipment	ATVs	4 Stroke	NH3	0.013373	0.022752
2265001050	Recreational Equipment	Golf Carts	4 Stroke	NH3	0.014636	0.014452
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	NH3	0.000840	0.000821
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	NH3	0.001086	0.001001
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	NH3	0.000008	0.000007
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	NH3	0.001960	0.001783
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	NH3	0.001903	0.001764
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	NH3	0.003827	0.003458
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	NH3	0.001566	0.001449
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	NH3	0.000080	0.000073
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	NH3	0.003334	0.003064
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	NH3	0.001108	0.001025
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	NH3	0.006842	0.006448
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	NH3	0.003445	0.003137
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	NH3	0.000273	0.000256

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	NH3	0.000445	0.000412
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	NH3	0.000431	0.000395
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	NH3	0.001055	0.000937
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	NH3	0.002267	0.002118
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	NH3	0.001624	0.001491
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	NH3	0.000541	0.000492
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	NH3	0.000370	0.000351
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	NH3	0.006280	0.003741
2265003020	Industrial Equipment	Forklifts	4 Stroke	NH3	0.021041	0.011961
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	NH3	0.005149	0.002863
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	NH3	0.008880	0.005043
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	NH3	0.000443	0.000262
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	NH3	0.000403	0.000230
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	NH3	0.002172	0.001128
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	NH3	0.128814	0.133612
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	NH3	0.014283	0.014542
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.010987	0.011288
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	NH3	0.007429	0.007873
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.000697	0.000731
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	NH3	0.000342	0.000351
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	NH3	0.001340	0.001399
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	NH3	0.014717	0.015207
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	NH3	0.013737	0.015755
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	NH3	0.004569	0.005240
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	NH3	0.026297	0.026989
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	NH3	0.001663	0.001741
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	NH3	0.002012	0.002048
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	NH3	0.000864	0.000913
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	NH3	0.358560	0.362411
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	NH3	0.022976	0.023663
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	NH3	0.003940	0.004030
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	NH3	0.070907	0.075293
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.012483	0.012960
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	NH3	0.002301	0.002390
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	NH3	0.000001	0.000001
2265005020	Agricultural Equipment	Combines	4 Stroke	NH3	0.000000	0.000000
2265005025	Agricultural Equipment	Balers	4 Stroke	NH3	0.000001	0.000001
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	NH3	0.000000	0.000000
2265005035	Agricultural Equipment	Sprayers	4 Stroke	NH3	0.000002	0.000002
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	NH3	0.000005	0.000005
2265005045	Agricultural Equipment	Swathers	4 Stroke	NH3	0.000001	0.000001
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	NH3	0.000002	0.000002
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	NH3	0.000002	0.000002
2265006005	Commercial Equipment	Generator Sets	4 Stroke	NH3	0.162924	0.178054
2265006010	Commercial Equipment	Pumps	4 Stroke	NH3	0.039088	0.042718
2265006015	Commercial Equipment	Air Compressors	4 Stroke	NH3	0.020959	0.023213
2265006025	Commercial Equipment	Welders	4 Stroke	NH3	0.044998	0.050601
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	NH3	0.070433	0.077036
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	NH3	0.003295	0.003670
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	NH3	0.000004	0.000004
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	NH3	0.000000	0.000000
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	NH3	0.005289	0.005036
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	NH3	0.000262	0.000245
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	NH3	0.000000	0.000000
2267002003	Construction and Mining Equipment	Pavers	LPG	NH3	0.000000	0.000000
2267002015	Construction and Mining Equipment	Rollers	LPG	NH3	0.000000	0.000000
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	NH3	0.000000	0.000000
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	NH3	0.000000	0.000000
2267002030	Construction and Mining Equipment	Trenchers	LPG	NH3	0.000000	0.000000
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	NH3	0.000000	0.000000
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	NH3	0.000000	0.000000
2267002045	Construction and Mining Equipment	Cranes	LPG	NH3	0.000000	0.000000
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	NH3	0.000000	0.000000
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	NH3	0.000000	0.000000
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	NH3	0.000000	0.000000
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	NH3	0.000000	0.000000
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	NH3	0.000000	0.000000
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	NH3	0.000000	0.000000
2267003010	Industrial Equipment	Aerial Lifts	LPG	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2267003020	Industrial Equipment	Forklifts	LPG	NH3	0.000000	0.000000
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	NH3	0.000000	0.000000
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	NH3	0.000000	0.000000
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	NH3	0.000000	0.000000
2267003070	Industrial Equipment	Terminal Tractors	LPG	NH3	0.000000	0.000000
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	NH3	0.000000	0.000000
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	NH3	0.000000	0.000000
2267005060	Agricultural Equipment	Irrigation Sets	LPG	NH3	0.000000	0.000000
2267006005	Commercial Equipment	Generator Sets	LPG	NH3	0.000000	0.000000
2267006010	Commercial Equipment	Pumps	LPG	NH3	0.000000	0.000000
2267006015	Commercial Equipment	Air Compressors	LPG	NH3	0.000000	0.000000
2267006025	Commercial Equipment	Welders	LPG	NH3	0.000000	0.000000
2267006030	Commercial Equipment	Pressure Washers	LPG	NH3	0.000000	0.000000
2267006035	Commercial Equipment	Hydro Power Units	LPG	NH3	0.000000	0.000000
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	NH3	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	NH3	0.000000	0.000000
2268003020	Industrial Equipment	Forklifts	CNG	NH3	0.000000	0.000000
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	NH3	0.000000	0.000000
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	NH3	0.000000	0.000000
2268003060	Industrial Equipment	AC\Refrigeration	CNG	NH3	0.000000	0.000000
2268003070	Industrial Equipment	Terminal Tractors	CNG	NH3	0.000000	0.000000
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	NH3	0.000000	0.000000
2268005060	Agricultural Equipment	Irrigation Sets	CNG	NH3	0.000000	0.000000
2268006005	Commercial Equipment	Generator Sets	CNG	NH3	0.000000	0.000000
2268006010	Commercial Equipment	Pumps	CNG	NH3	0.000000	0.000000
2268006015	Commercial Equipment	Air Compressors	CNG	NH3	0.000000	0.000000
2268006020	Commercial Equipment	Gas Compressors	CNG	NH3	0.000000	0.000000
2268006035	Commercial Equipment	Hydro Power Units	CNG	NH3	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	NH3	0.000000	0.000000
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	NH3	0.000505	0.000605
2270002003	Construction and Mining Equipment	Pavers	Diesel	NH3	0.014471	0.017203
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	NH3	0.000058	0.000069
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	NH3	0.000390	0.000463
2270002015	Construction and Mining Equipment	Rollers	Diesel	NH3	0.036225	0.043066
2270002018	Construction and Mining Equipment	Scrapers	Diesel	NH3	0.039378	0.046814

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	NH3	0.002176	0.002587
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	NH3	0.001344	0.001598
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	NH3	0.004007	0.004763
2270002030	Construction and Mining Equipment	Trenchers	Diesel	NH3	0.017185	0.020430
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	NH3	0.014796	0.017590
2270002036	Construction and Mining Equipment	Excavators	Diesel	NH3	0.146795	0.174515
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	NH3	0.001216	0.001446
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	NH3	0.000578	0.000687
2270002045	Construction and Mining Equipment	Cranes	Diesel	NH3	0.033507	0.039834
2270002048	Construction and Mining Equipment	Graders	Diesel	NH3	0.036534	0.043433
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	NH3	0.125460	0.149151
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	NH3	0.005919	0.007037
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	NH3	0.047003	0.055879
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	NH3	0.159804	0.189981
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	NH3	0.097196	0.115550
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	NH3	0.146198	0.173806
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	NH3	0.066729	0.079329
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	NH3	0.015746	0.018720
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	NH3	0.000206	0.000245
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	NH3	0.015077	0.017924
2270003010	Industrial Equipment	Aerial Lifts	Diesel	NH3	0.004089	0.004984
2270003020	Industrial Equipment	Forklifts	Diesel	NH3	0.059028	0.071944
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	NH3	0.025777	0.031418
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	NH3	0.026165	0.031890
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	NH3	0.001010	0.001231
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	NH3	0.165343	0.201522
2270003070	Industrial Equipment	Terminal Tractors	Diesel	NH3	0.037189	0.045327
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	NH3	0.000001	0.000001
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	NH3	0.000224	0.000303
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	NH3	0.005955	0.008042
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	NH3	0.001229	0.001660
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	NH3	0.008102	0.010941
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	NH3	0.000956	0.001290
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	NH3	0.000023	0.000031
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	NH3	0.000413	0.000484
2270005020	Agricultural Equipment	Combines	Diesel	NH3	0.000037	0.000043
2270005025	Agricultural Equipment	Balers	Diesel	NH3	0.000000	0.000000
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	NH3	0.000000	0.000000
2270005035	Agricultural Equipment	Sprayers	Diesel	NH3	0.000003	0.000004
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	NH3	0.000000	0.000000
2270005045	Agricultural Equipment	Swathers	Diesel	NH3	0.000003	0.000003
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	NH3	0.000008	0.000009
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	NH3	0.000006	0.000007
2270006005	Commercial Equipment	Generator Sets	Diesel	NH3	0.065691	0.082210
2270006010	Commercial Equipment	Pumps	Diesel	NH3	0.015496	0.019393
2270006015	Commercial Equipment	Air Compressors	Diesel	NH3	0.042948	0.053748
2270006020	Commercial Equipment	Gas Compressors	Diesel	NH3	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	NH3	0.021897	0.027403
2270006030	Commercial Equipment	Pressure Washers	Diesel	NH3	0.002101	0.002630
2270006035	Commercial Equipment	Hydro Power Units	Diesel	NH3	0.001863	0.002332
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	NH3	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	NH3	0.000043	0.000041
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	NH3	0.126894	0.170208
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	NH3	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	NH3	0.000517	0.000515
2275000000	Aicraft	All Aircraft Types and Operations	Other	NH3	0.000000	0.000000
2275070000	Aircraft	Auxiliary Power Units	Other	NH3	0.000000	0.000000
2280000000	Marine Vessels	Commercial	All Fuels	NH3	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	NH3	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	NH3	0.000000	0.000000
2280003000	Marine Vessels	Commercial	Residual Fuel	NH3	0.000000	0.000000
2280004000	Marine Vessels	Commercial	Gasoline	NH3	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	NH3	0.036703	0.035169
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	NH3	0.014589	0.013154
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	NH3	0.017229	0.017483
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	NH3	0.007259	0.008701
2282020010	Pleasure Craft	Outboards	Diesel	NH3	0.000031	0.000038
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	NH3	0.000000	0.000000

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2285002010	Railroad Equipment	Yard Locomotives	Diesel	NH3	0.000000	0.000000
2285002015	Railroad Equipment	Railway Maintenance	Diesel	NH3	0.000433	0.000536
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	NH3	0.000042	0.000040
2285006015	Railroad Equipment	Railway Maintenance	LPG	NH3	0.000000	0.000000
Philadelphia County Total Annual PM10 Emissions					**2.976450**	**3.358846**
2260001010	Recreational Equipment	Motorcycles: Off-Road	2 Stroke	CO	49.443836	72.447105
2260001020	Recreational Equipment	Snowmobiles	2 Stroke	CO	0.000000	0.000000
2260001030	Recreational Equipment	ATVs	2 Stroke	CO	48.749859	102.614180
2260001060	Recreational Equipment	Specialty Vehicles/Carts	2 Stroke	CO	31.474887	35.120930
2260002006	Construction and Mining Equipment	Tampers/Rammers	2 Stroke	CO	42.619133	35.272957
2260002009	Construction and Mining Equipment	Plate Compactors	2 Stroke	CO	2.054335	1.315498
2260002021	Construction and Mining Equipment	Paving Equipment	2 Stroke	CO	2.465531	1.586865
2260002027	Construction and Mining Equipment	Signal Boards/Light Plants	2 Stroke	CO	0.018031	0.012194
2260002039	Construction and Mining Equipment	Concrete/Industrial Saws	2 Stroke	CO	112.621509	91.375982
2260002054	Construction and Mining Equipment	Crushing/Proc. Equipment	2 Stroke	CO	0.480628	0.323795
2260003030	Industrial Equipment	Sweepers/Scrubbers	2 Stroke	CO	1.399941	0.595659
2260003040	Industrial Equipment	Other General Industrial Eqp	2 Stroke	CO	0.111537	0.047458
2260004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	2 Stroke	CO	20.826273	14.744741
2260004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	2 Stroke	CO	14.287652	9.678402
2260004020	Lawn and Garden Equipment (Res)	Chain Saws < 6 HP	2 Stroke	CO	271.658660	196.810590
2260004021	Lawn and Garden Equipment (Com)	Chain Saws < 6 HP	2 Stroke	CO	210.160307	189.418707
2260004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	391.900213	254.514800
2260004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	2 Stroke	CO	142.006708	103.604382
2260004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	2 Stroke	CO	244.578021	172.518535
2260004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	2 Stroke	CO	143.206611	115.672692
2260004035	Lawn and Garden Equipment (Res)	Snowblowers	2 Stroke	CO	156.233056	179.238608
2260004036	Lawn and Garden Equipment (Com)	Snowblowers	2 Stroke	CO	51.958222	59.609175
2260004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	2 Stroke	CO	0.058420	0.041332
2260005035	Agricultural Equipment	Sprayers	2 Stroke	CO	0.002869	0.001681
2260006005	Commercial Equipment	Generator Sets	2 Stroke	CO	20.101828	15.279690
2260006010	Commercial Equipment	Pumps	2 Stroke	CO	141.549288	100.404090

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2260006015	Commercial Equipment	Air Compressors	2 Stroke	CO	0.052385	0.043009
2260006035	Commercial Equipment	Hydro Power Units	2 Stroke	CO	0.814202	0.666544
2260007005	Logging Equipment	Chain Saws > 6 HP	2 Stroke	CO	0.060671	0.061824
2265001010	Recreational Equipment	Motorcycles: Off-Road	4 Stroke	CO	21.658533	30.182590
2265001030	Recreational Equipment	ATVs	4 Stroke	CO	195.242600	320.503230
2265001050	Recreational Equipment	Golf Carts	4 Stroke	CO	655.947080	719.834780
2265001060	Recreational Equipment	Specialty Vehicles/Carts	4 Stroke	CO	27.290601	27.881175
2265002003	Construction and Mining Equipment	Pavers	4 Stroke	CO	37.566908	38.722942
2265002006	Construction and Mining Equipment	Tampers/Rammers	4 Stroke	CO	0.297106	0.323086
2265002009	Construction and Mining Equipment	Plate Compactors	4 Stroke	CO	69.374695	71.872419
2265002015	Construction and Mining Equipment	Rollers	4 Stroke	CO	70.408493	71.796206
2265002021	Construction and Mining Equipment	Paving Equipment	4 Stroke	CO	135.831526	143.592256
2265002024	Construction and Mining Equipment	Surfacing Equipment	4 Stroke	CO	61.568258	64.874253
2265002027	Construction and Mining Equipment	Signal Boards/Light Plants	4 Stroke	CO	3.133010	3.265471
2265002030	Construction and Mining Equipment	Trenchers	4 Stroke	CO	115.142088	117.293669
2265002033	Construction and Mining Equipment	Bore/Drill Rigs	4 Stroke	CO	33.923041	33.773196
2265002039	Construction and Mining Equipment	Concrete/Industrial Saws	4 Stroke	CO	284.344214	294.993547
2265002042	Construction and Mining Equipment	Cement & Mortar Mixers	4 Stroke	CO	118.931127	122.165486
2265002045	Construction and Mining Equipment	Cranes	4 Stroke	CO	4.759591	4.044110
2265002054	Construction and Mining Equipment	Crushing/Proc. Equipment	4 Stroke	CO	16.696976	17.545388
2265002057	Construction and Mining Equipment	Rough Terrain Forklifts	4 Stroke	CO	6.212871	4.102926
2265002060	Construction and Mining Equipment	Rubber Tire Loaders	4 Stroke	CO	14.896045	7.834255
2265002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	4 Stroke	CO	89.542787	94.957904
2265002072	Construction and Mining Equipment	Skid Steer Loaders	4 Stroke	CO	39.613064	38.383052
2265002078	Construction and Mining Equipment	Dumpers/Tenders	4 Stroke	CO	18.518575	19.001546
2265002081	Construction and Mining Equipment	Other Construction Equipment	4 Stroke	CO	5.222729	4.035367
2265003010	Industrial Equipment	Aerial Lifts	4 Stroke	CO	133.386464	83.597102
2265003020	Industrial Equipment	Forklifts	4 Stroke	CO	301.524588	119.802537
2265003030	Industrial Equipment	Sweepers/Scrubbers	4 Stroke	CO	129.616314	68.196602
2265003040	Industrial Equipment	Other General Industrial Eqp	4 Stroke	CO	330.667478	208.115802
2265003050	Industrial Equipment	Other Material Handling Eqp	4 Stroke	CO	10.197482	6.469498
2265003060	Industrial Equipment	AC\Refrigeration	4 Stroke	CO	15.414497	10.480403
2265003070	Industrial Equipment	Terminal Tractors	4 Stroke	CO	31.312124	5.573649
2265004010	Lawn and Garden Equipment (Res)	Lawn mowers	4 Stroke	CO	4034.230517	4735.685656
2265004011	Lawn and Garden Equipment (Com)	Lawn mowers	4 Stroke	CO	500.284079	560.557932

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265004015	Lawn and Garden Equipment (Res)	Rotary Tillers < 6 HP	4 Stroke	CO	339.817350	397.778380
2265004016	Lawn and Garden Equipment (Com)	Rotary Tillers < 6 HP	4 Stroke	CO	243.728910	276.382690
2265004025	Lawn and Garden Equipment (Res)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	22.655897	26.644646
2265004026	Lawn and Garden Equipment (Com)	Trimmers/Edgers/Brush Cutter	4 Stroke	CO	12.424064	14.510311
2265004030	Lawn and Garden Equipment (Res)	Leafblowers/Vacuums	4 Stroke	CO	43.306015	50.888573
2265004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	4 Stroke	CO	497.247989	584.118907
2265004035	Lawn and Garden Equipment (Res)	Snowblowers	4 Stroke	CO	466.761993	535.644455
2265004036	Lawn and Garden Equipment (Com)	Snowblowers	4 Stroke	CO	155.222084	178.129247
2265004040	Lawn and Garden Equipment (Res)	Rear Engine Riding Mowers	4 Stroke	CO	948.754452	1184.672759
2265004041	Lawn and Garden Equipment (Com)	Rear Engine Riding Mowers	4 Stroke	CO	64.381838	78.001781
2265004046	Lawn and Garden Equipment (Com)	Front Mowers	4 Stroke	CO	69.526616	80.889653
2265004051	Lawn and Garden Equipment (Com)	Shredders < 6 HP	4 Stroke	CO	27.928598	31.679245
2265004055	Lawn and Garden Equipment (Res)	Lawn & Garden Tractors	4 Stroke	CO	12614.726622	15876.215731
2265004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	4 Stroke	CO	865.943681	1060.435132
2265004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	4 Stroke	CO	115.001359	121.531750
2265004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	4 Stroke	CO	2678.523621	3067.849103
2265004075	Lawn and Garden Equipment (Res)	Other Lawn & Garden Eqp.	4 Stroke	CO	411.764018	485.576987
2265004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	4 Stroke	CO	75.726915	85.779469
2265005010	Agricultural Equipment	2-Wheel Tractors	4 Stroke	CO	0.010111	0.011993
2265005015	Agricultural Equipment	Agricultural Tractors	4 Stroke	CO	0.020451	0.016703
2265005020	Agricultural Equipment	Combines	4 Stroke	CO	0.000098	0.000089
2265005025	Agricultural Equipment	Balers	4 Stroke	CO	0.009296	0.008401
2265005030	Agricultural Equipment	Agricultural Mowers	4 Stroke	CO	0.007863	0.009158
2265005035	Agricultural Equipment	Sprayers	4 Stroke	CO	0.067301	0.073081
2265005040	Agricultural Equipment	Tillers > 6 HP	4 Stroke	CO	0.167351	0.183002
2265005045	Agricultural Equipment	Swathers	4 Stroke	CO	0.014725	0.013306
2265005055	Agricultural Equipment	Other Agricultural Equipment	4 Stroke	CO	0.030550	0.031178
2265005060	Agricultural Equipment	Irrigation Sets	4 Stroke	CO	0.028658	0.015026
2265006005	Commercial Equipment	Generator Sets	4 Stroke	CO	5749.098750	7313.910810
2265006010	Commercial Equipment	Pumps	4 Stroke	CO	1328.466946	1645.743852
2265006015	Commercial Equipment	Air Compressors	4 Stroke	CO	659.918918	803.020526
2265006025	Commercial Equipment	Welders	4 Stroke	CO	1657.895623	2088.059759
2265006030	Commercial Equipment	Pressure Washers	4 Stroke	CO	2517.899838	3205.865085
2265006035	Commercial Equipment	Hydro Power Units	4 Stroke	CO	127.415340	163.144792
2265007010	Logging Equipment	Shredders > 6 HP	4 Stroke	CO	0.132799	0.167999

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2265007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	4 Stroke	CO	0.001583	0.002003
2265008005	Airport Equipment	Airport Ground Support Equipment	4 Stroke	CO	0.000000	0.000000
2265010010	Industrial Equipment	Other Oil Field Equipment	4 Stroke	CO	11.774799	12.195541
2267001060	Recreational Equipment	Specialty Vehicle Carts	LPG	CO	0.298857	0.277881
2267002003	Construction and Mining Equipment	Pavers	LPG	CO	1.020035	0.805854
2267002015	Construction and Mining Equipment	Rollers	LPG	CO	1.734550	1.124417
2267002021	Construction and Mining Equipment	Paving Equipment	LPG	CO	0.266135	0.246706
2267002024	Construction and Mining Equipment	Surfacing Equipment	LPG	CO	0.176098	0.134113
2267002030	Construction and Mining Equipment	Trenchers	LPG	CO	3.121391	2.519494
2267002033	Construction and Mining Equipment	Bore/Drill Rigs	LPG	CO	1.008026	0.999701
2267002039	Construction and Mining Equipment	Concrete/Industrial Saws	LPG	CO	3.041628	1.555805
2267002045	Construction and Mining Equipment	Cranes	LPG	CO	1.088341	1.007883
2267002054	Construction and Mining Equipment	Crushing/Proc. Equipment	LPG	CO	0.181288	0.166178
2267002057	Construction and Mining Equipment	Rough Terrain Forklifts	LPG	CO	1.977785	1.686581
2267002060	Construction and Mining Equipment	Rubber Tire Loaders	LPG	CO	4.956626	3.817190
2267002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	LPG	CO	0.529118	0.368961
2267002072	Construction and Mining Equipment	Skid Steer Loaders	LPG	CO	4.050470	3.611234
2267002081	Construction and Mining Equipment	Other Construction Equipment	LPG	CO	1.621181	1.526972
2267003010	Industrial Equipment	Aerial Lifts	LPG	CO	25.457080	24.659364
2267003020	Industrial Equipment	Forklifts	LPG	CO	2438.668899	1971.097210
2267003030	Industrial Equipment	Sweepers/Scrubbers	LPG	CO	18.840307	12.197836
2267003040	Industrial Equipment	Other General Industrial Equipm	LPG	CO	5.712594	4.177800
2267003050	Industrial Equipment	Other Material Handling Equipment	LPG	CO	1.376852	1.322667
2267003070	Industrial Equipment	Terminal Tractors	LPG	CO	11.541929	6.392627
2267004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	LPG	CO	7.657932	5.564348
2267005055	Agricultural Equipment	Other Agricultural Equipment	LPG	CO	0.000070	0.000063
2267005060	Agricultural Equipment	Irrigation Sets	LPG	CO	0.000060	0.000038
2267006005	Commercial Equipment	Generator Sets	LPG	CO	62.179631	73.785838
2267006010	Commercial Equipment	Pumps	LPG	CO	14.727712	16.036304
2267006015	Commercial Equipment	Air Compressors	LPG	CO	17.958860	18.410192
2267006025	Commercial Equipment	Welders	LPG	CO	32.407999	32.900335
2267006030	Commercial Equipment	Pressure Washers	LPG	CO	0.420117	0.469210
2267006035	Commercial Equipment	Hydro Power Units	LPG	CO	0.280300	0.262256
2267008005	Airport Equipment	Airport Ground Support Equipment	LPG	CO	0.000000	0.000000
2268002081	Construction and Mining Equipment	Other Construction Equipment	CNG	CO	0.063952	0.060236

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2268003020	Industrial Equipment	Forklifts	CNG	CO	177.844390	140.297300
2268003030	Industrial Equipment	Sweepers/Scrubbers	CNG	CO	0.212686	0.166739
2268003040	Industrial Equipment	Other General Industrial Equipment	CNG	CO	0.139014	0.105740
2268003060	Industrial Equipment	AC\Refrigeration	CNG	CO	0.763811	0.534033
2268003070	Industrial Equipment	Terminal Tractors	CNG	CO	0.812843	0.438900
2268005055	Agricultural Equipment	Other Agricultural Equipment	CNG	CO	0.000092	0.000043
2268005060	Agricultural Equipment	Irrigation Sets	CNG	CO	0.007068	0.000480
2268006005	Commercial Equipment	Generator Sets	CNG	CO	20.647221	22.143973
2268006010	Commercial Equipment	Pumps	CNG	CO	1.045999	1.058397
2268006015	Commercial Equipment	Air Compressors	CNG	CO	1.514485	1.409314
2268006020	Commercial Equipment	Gas Compressors	CNG	CO	90.631551	10.854554
2268006035	Commercial Equipment	Hydro Power Units	CNG	CO	0.000000	0.000000
2268010010	Industrial Equipment	Other Oil Field Equipment	CNG	CO	1.368795	0.251694
2270001060	Recreational Equipment	Speciality Vehicle Carts	Diesel	CO	0.919056	0.804411
2270002003	Construction and Mining Equipment	Pavers	Diesel	CO	10.359937	7.663624
2270002006	Construction and Mining Equipment	Tampers/Rammers	Diesel	CO	0.026121	0.027918
2270002009	Construction and Mining Equipment	Plate Compactors	Diesel	CO	0.418338	0.411138
2270002015	Construction and Mining Equipment	Rollers	Diesel	CO	29.810355	22.698259
2270002018	Construction and Mining Equipment	Scrapers	Diesel	CO	26.936946	20.613758
2270002021	Construction and Mining Equipment	Paving Equipment	Diesel	CO	1.933996	1.418752
2270002024	Construction and Mining Equipment	Surfacing Equipment	Diesel	CO	1.459140	1.126308
2270002027	Construction and Mining Equipment	Signal Boards/Light Plants	Diesel	CO	3.808417	2.879428
2270002030	Construction and Mining Equipment	Trenchers	Diesel	CO	17.896657	14.096508
2270002033	Construction and Mining Equipment	Bore/Drill Rigs	Diesel	CO	10.750611	8.994670
2270002036	Construction and Mining Equipment	Excavators	Diesel	CO	82.697086	63.461099
2270002039	Construction and Mining Equipment	Concrete/Industrial Saws	Diesel	CO	1.383964	1.064802
2270002042	Construction and Mining Equipment	Cement & Mortar Mixers	Diesel	CO	0.474778	0.458148
2270002045	Construction and Mining Equipment	Cranes	Diesel	CO	15.097522	11.372592
2270002048	Construction and Mining Equipment	Graders	Diesel	CO	19.479995	14.111775
2270002051	Construction and Mining Equipment	Off-highway Trucks	Diesel	CO	84.499098	52.232515
2270002054	Construction and Mining Equipment	Crushing/Proc. Equipment	Diesel	CO	3.535842	2.740971
2270002057	Construction and Mining Equipment	Rough Terrain Forklifts	Diesel	CO	44.511979	36.384665
2270002060	Construction and Mining Equipment	Rubber Tire Loaders	Diesel	CO	114.498211	86.204701
2270002066	Construction and Mining Equipment	Tractors/Loaders/Backhoes	Diesel	CO	139.860814	132.817550
2270002069	Construction and Mining Equipment	Crawler Tractor/Dozers	Diesel	CO	97.983930	73.586454

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270002072	Construction and Mining Equipment	Skid Steer Loaders	Diesel	CO	122.309765	114.231373
2270002075	Construction and Mining Equipment	Off-Highway Tractors	Diesel	CO	14.846240	10.207799
2270002078	Construction and Mining Equipment	Dumpers/Tenders	Diesel	CO	0.349656	0.348162
2270002081	Construction and Mining Equipment	Other Construction Equipment	Diesel	CO	14.224111	10.627062
2270003010	Industrial Equipment	Aerial Lifts	Diesel	CO	6.759945	6.963637
2270003020	Industrial Equipment	Forklifts	Diesel	CO	41.053450	43.645744
2270003030	Industrial Equipment	Sweepers/Scrubbers	Diesel	CO	12.632481	10.350698
2270003040	Industrial Equipment	Other General Industrial Eqp	Diesel	CO	13.701298	10.952786
2270003050	Industrial Equipment	Other Material Handling Eqp	Diesel	CO	1.255458	1.198988
2270003060	Industrial Equipment	AC\Refrigeration	Diesel	CO	109.674930	101.297328
2270003070	Industrial Equipment	Terminal Tractors	Diesel	CO	17.361366	16.385210
2270004031	Lawn and Garden Equipment (Com)	Leafblowers/Vacuums	Diesel	CO	0.000856	0.000976
2270004036	Lawn and Garden Equipment (Com)	Snowblowers	Diesel	CO	0.146743	0.133634
2270004046	Lawn and Garden Equipment (Com)	Front Mowers	Diesel	CO	5.409507	4.916989
2270004056	Lawn and Garden Equipment (Com)	Lawn & Garden Tractors	Diesel	CO	1.182062	1.025713
2270004066	Lawn and Garden Equipment (Com)	Chippers/Stump Grinders	Diesel	CO	5.766235	5.755702
2270004071	Lawn and Garden Equipment (Com)	Commercial Turf Equipment	Diesel	CO	0.608196	0.504789
2270004076	Lawn and Garden Equipment (Com)	Other Lawn & Garden Eqp.	Diesel	CO	0.019299	0.020517
2270005010	Agricultural Equipment	2-Wheel Tractors	Diesel	CO	0.000015	0.000014
2270005015	Agricultural Equipment	Agricultural Tractors	Diesel	CO	0.414426	0.314258
2270005020	Agricultural Equipment	Combines	Diesel	CO	0.025813	0.024183
2270005025	Agricultural Equipment	Balers	Diesel	CO	0.000215	0.000209
2270005030	Agricultural Equipment	Agricultural Mowers	Diesel	CO	0.000049	0.000048
2270005035	Agricultural Equipment	Sprayers	Diesel	CO	0.002907	0.002500
2270005040	Agricultural Equipment	Tillers > 6 HP	Diesel	CO	0.000006	0.000005
2270005045	Agricultural Equipment	Swathers	Diesel	CO	0.002483	0.002763
2270005055	Agricultural Equipment	Other Agricultural Equipment	Diesel	CO	0.008232	0.006498
2270005060	Agricultural Equipment	Irrigation Sets	Diesel	CO	0.003688	0.003104
2270006005	Commercial Equipment	Generator Sets	Diesel	CO	54.417704	51.705267
2270006010	Commercial Equipment	Pumps	Diesel	CO	12.654933	12.259093
2270006015	Commercial Equipment	Air Compressors	Diesel	CO	28.868945	26.662969
2270006020	Commercial Equipment	Gas Compressors	Diesel	CO	0.000000	0.000000
2270006025	Commercial Equipment	Welders	Diesel	CO	42.839641	40.144991
2270006030	Commercial Equipment	Pressure Washers	Diesel	CO	1.638621	1.541670
2270006035	Commercial Equipment	Hydro Power Units	Diesel	CO	1.304387	1.167326

SCC	Classification	Equipment Type	Engine Type	Pollutant Type	2002 Emissions	2009 Emissions
2270007010	Logging Equipment	Shredders > 6 HP	Diesel	CO	0.000000	0.000000
2270007015	Logging Equipment	Forest Eqp - Feller/Bunch/Skidder	Diesel	CO	0.020038	0.013472
2270008005	Airport Equipment	Airport Ground Support Equipment	Diesel	CO	4342.565444	5357.703600
2270009010	Construction and Mining Equipment	Other Underground Mining Equipment	Diesel	CO	0.000000	0.000000
2270010010	Industrial Equipment	Other Oil Field Equipment	Diesel	CO	0.294946	0.173329
2275000000	Aicraft	All Aircraft Types and Operations	Other	CO	3761.563000	5119.271000
2275070000	Aircraft	Auxiliary Power Units	Other	CO	44.551656	45.494968
2280000000	Marine Vessels	Commercial	All Fuels	CO	0.000000	0.000000
2280001000	Marine Vessels	Commercial	Coal	CO	0.000000	0.000000
2280002000	Marine Vessels	Commercial	Diesel	CO	106.772395	113.680569
2280003000	Marine Vessels	Commercial	Residual Fuel	CO	41.316137	51.612118
2280004000	Marine Vessels	Commercial	Gasoline	CO	0.000000	0.000000
2282005010	Pleasure Craft	Outboard	2 Stroke	CO	413.142004	349.425209
2282005015	Pleasure Craft	Personal Water Craft	2 Stroke	CO	149.509497	136.277308
2282010005	Pleasure Craft	Inboard/Sterndrive	4 Stroke	CO	208.075841	187.464833
2282020005	Pleasure Craft	Inboard/Sterndrive	Diesel	CO	1.796948	2.141892
2282020010	Pleasure Craft	Outboards	Diesel	CO	0.030843	0.027246
2285002005	Railroad Equipment	Line Haul Locomotives	Diesel	CO	47.118800	52.656200
2285002010	Railroad Equipment	Yard Locomotives	Diesel	CO	9.956900	11.127100
2285002015	Railroad Equipment	Railway Maintenance	Diesel	CO	0.610731	0.541383
2285004015	Railroad Equipment	Railway Maintenance	4 Stroke	CO	1.501272	1.703154
2285006015	Railroad Equipment	Railway Maintenance	LPG	CO	0.007307	0.006585
Philadelphia County Total Annual CO Emissions					**54624.067093**	**63993.019069**

PA Statewide NH_3 Emissions Summary (Tons/Year)

FIPSCountyId	County	2002	2009
1	Adams	0.48431	0.57620
3	Allegheny	4.65968	5.23253
5	Armstrong	0.38018	0.41905
7	Beaver	0.51473	0.56605
9	Bedford	0.26743	0.30948
11	Berks	1.60570	1.82164
13	Blair	0.48189	0.54094
15	Bradford	0.46999	0.53237
17	Bucks	2.82766	3.15000
19	Butler	0.83340	0.95265
21	Cambria	0.50436	0.56091
23	Cameron	0.32282	0.41397
25	Carbon	0.24517	0.28243
27	Centre	0.79177	0.91620
29	Chester	2.72281	3.07358
31	Clarion	0.30830	0.35361
33	Clearfield	0.31565	0.35057
35	Clinton	0.35435	0.39232
37	Columbia	0.30916	0.35558
39	Crawford	0.73890	0.80848
41	Cumberland	0.90747	1.03140
43	Dauphin	1.39153	1.52729
45	Delaware	1.53065	1.69445
47	Elk	0.22874	0.25933
49	Erie	1.52405	1.68191
51	Fayette	0.53908	0.62332
53	Forest	0.43317	0.55406
55	Franklin	0.58587	0.67055
57	Fulton	0.12257	0.13951
59	Greene	0.39338	0.44428
61	Huntingdon	0.45727	0.50246
63	Indiana	0.39174	0.43262
65	Jefferson	0.25016	0.28639
67	Juniata	0.14074	0.15706
69	Lackawanna	0.54896	0.59637
71	Lancaster	2.62884	2.99423
73	Lawrence	0.32607	0.37915
75	Lebanon	0.61589	0.72116
77	Lehigh	1.40849	1.58240
79	Luzerne	1.13005	1.24150
81	Lycoming	0.50013	0.55996
83	McKean	0.22018	0.25810
85	Mercer	0.61765	0.70624
87	Mifflin	0.22876	0.25277
89	Monroe	0.81227	0.97739
91	Montgomery	3.95504	4.40722
93	Montour	0.09822	0.10730
95	Northampton	1.01230	1.14760
97	Northumberland	0.56877	0.61852
99	Perry	0.21369	0.25358
101	Philadelphia	2.97645	3.35885
103	Pike	0.53206	0.62386
105	Potter	0.23378	0.27952

FIPSCountyId	County	2002	2009
107	Schuylkill	0.42646	0.48493
109	Snyder	0.26630	0.28969
111	Somerset	0.46802	0.54824
113	Sullivan	0.35681	0.45392
115	Susquehanna	0.33076	0.38036
117	Tioga	0.34424	0.40552
119	Union	0.28873	0.34077
121	Venango	0.27059	0.29529
123	Warren	0.36914	0.40141
125	Washington	0.87840	0.99035
127	Wayne	0.68366	0.85281
129	Westmoreland	1.44694	1.59697
131	Wyoming	0.27991	0.33296
133	York	1.90495	2.15116
Statewide Total		**54.97718**	**62.20329**

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2260001010	0.010859628	0.006033123	0.001206624	0.00241325	0.004826499	0.012066243	0
2260001020	0	0	0.023718629	0	0	0	0
2260001030	0.008726949	0.0048483	0.000969659	0.001939318	0.003878643	0.009696588	0
2260001060	0.002301962	0.001278867	0.000255773	0.000511547	0.001023093	0.002557734	0
2260002006	0.000252571	0.003214305	9.3251E-05	0.00021904	5.20843E-05	0.000929479	0.00033173
2260002009	1.42092E-05	0.000180832	5.24614E-06	1.23228E-05	2.93018E-06	5.22909E-05	1.86626E-05
2260002021	1.69714E-05	0.000215984	6.26598E-06	1.47183E-05	3.49979E-06	6.2456E-05	2.22905E-05
2260002027	1.21736E-07	1.54926E-06	4.49459E-08	1.05575E-07	2.5104E-08	4.47998E-07	1.5989E-07
2260002039	0.000648568	0.008253903	0.000239456	0.000562465	0.000133746	0.002386776	0.00085184
2260002054	3.24173E-06	4.12554E-05	1.19687E-06	2.81137E-06	6.685E-07	1.19298E-05	4.25775E-06
2260003030	1.29019E-05	9.92999E-05	5.96512E-06	1.99843E-05	6.95182E-06	6.57104E-05	1.62238E-05
2260003040	1.02793E-06	7.91147E-06	4.75256E-07	1.5922E-06	5.53868E-07	5.23532E-06	1.29259E-06
2260004015	6.65017E-05	0.000992121	5.67566E-05	0.000140309	3.63364E-05	0.000275768	9.75475E-05
2260004016	3.91613E-05	0.002806558	5.00394E-05	0.000163172	7.17957E-05	0.000905062	0.000195806
2260004020	0.000901406	0.0134478	0.000769315	0.001901844	0.000492526	0.00373794	0.00132222
2260004021	0.000485568	0.034799041	0.000620448	0.0020232	0.000890208	0.011222016	0.00242784
2260004025	0.001247828	0.018616029	0.001064971	0.002632741	0.000681809	0.005174466	0.001830366
2260004026	0.000380532	0.027271455	0.000486235	0.001585547	0.000697642	0.008794506	0.001902661
2260004030	0.000805575	0.012018162	0.000687525	0.001699644	0.000440164	0.003340544	0.001181651
2260004031	0.000370426	0.026547196	0.000473322	0.001543442	0.000679114	0.008560962	0.001852133
2260004035	0.000301005	0.00476079	0.000265135	0.000637062	0.000193865	0.001247364	0.000449262
2260004036	9.20358E-05	0.00659589	0.000117601	0.000383484	0.000414162	0.002127051	0.000460179
2260004071	1.623E-07	1.16315E-05	2.07382E-07	6.76248E-07	2.97549E-07	3.75092E-06	8.11496E-07
2260005035	3.7735E-05	3.95544E-06	2.11354E-05	8.78858E-06	2.80665E-05	5.00958E-05	1.72459E-05
2260006005	7.16801E-05	0.0018093	3.21324E-05	0.00010546	3.54281E-05	0.000359224	0.00012853
2260006010	0.000475838	0.012010801	0.000213307	0.000700085	0.000235184	0.002384664	0.000853229
2260006015	1.82347E-07	4.6027E-06	8.1742E-08	2.68282E-07	9.01256E-08	9.13832E-07	3.26968E-07
2260006035	2.83205E-06	7.14847E-05	1.26954E-06	4.16669E-06	1.39975E-06	1.41928E-05	5.07815E-06
2260007005	0.000542418	5.70274E-05	0.000266276	1.13843E-05	0.00050881	0.000107415	0.000146641
2265001010	0.003153384	0.001751878	0.000350376	0.000700751	0.001401505	0.00350376	0
2265001030	0.030089341	0.016716303	0.003343257	0.00668652	0.013373031	0.03343257	0
2265001050	0.012384381	0.05404092	0.009006819	0.020265345	0.004503414	0.023642889	0.005629263
2265001060	0.001890462	0.001050256	0.000210051	0.000420102	0.000840204	0.002100512	0
2265002003	0.000141364	0.001799052	5.21928E-05	0.000122597	2.91517E-05	0.000520231	0.000185671
2265002006	1.07543E-06	1.36863E-05	3.97057E-07	9.32659E-07	2.21772E-07	3.95766E-06	1.41249E-06

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2265002009	0.000255279	0.003248775	9.4251E-05	0.000221389	5.26428E-05	0.000939446	0.000335288
2265002015	0.000247781	0.003153348	9.14826E-05	0.000214886	5.10966E-05	0.000911851	0.00032544
2265002021	0.00049835	0.006342177	0.000183995	0.00043219	0.000102768	0.001833966	0.000654541
2265002024	0.000203918	0.002595141	7.52882E-05	0.000176847	4.20514E-05	0.000750434	0.00026783
2265002027	1.03657E-05	0.000131917	3.82708E-06	8.98953E-06	2.13757E-06	3.81464E-05	1.36144E-05
2265002030	0.000434128	0.005524866	0.000160283	0.000376494	8.95245E-05	0.00159762	0.000570191
2265002033	0.000144284	0.00183621	5.32708E-05	0.000125129	2.97538E-05	0.000530976	0.000189505
2265002039	0.00089097	0.011338785	0.000328953	0.000772686	0.000183733	0.003278832	0.001170214
2265002042	0.000448582	0.005708811	0.00016562	0.000389029	9.25051E-05	0.001650813	0.000589175
2265002045	3.5529E-05	0.000452154	1.31176E-05	3.08122E-05	7.32667E-06	0.000130749	4.66644E-05
2265002054	5.79408E-05	0.000737374	2.13922E-05	5.02487E-05	1.19483E-05	0.000213226	7.61004E-05
2265002057	5.61205E-05	0.000714208	2.07201E-05	4.867E-05	1.1573E-05	0.000206528	7.37095E-05
2265002060	0.000137323	0.001747623	5.07008E-05	0.000119092	2.83183E-05	0.000505359	0.000180363
2265002066	0.000295236	0.003757284	0.000109003	0.000256042	6.08827E-05	0.001086492	0.000387768
2265002072	0.000211464	0.002691159	7.8074E-05	0.00018339	4.36073E-05	0.000778201	0.00027774
2265002078	7.04003E-05	0.000895938	2.59923E-05	6.1054E-05	1.45177E-05	0.000259078	9.24648E-05
2265002081	4.81894E-05	0.000613275	1.77919E-05	4.17919E-05	9.93746E-06	0.00017734	6.32928E-05
2265003010	0.001113416	0.008569416	0.00051478	0.001724616	0.00059993	0.005670708	0.001400088
2265003020	0.003730404	0.028711081	0.001724724	0.005778168	0.002010012	0.01899924	0.004690848
2265003030	0.000912973	0.007026696	0.000422106	0.00141414	0.000491927	0.004649832	0.001148032
2265003040	0.001574328	0.01211676	0.000727878	0.002438532	0.000848278	0.00801816	0.001979664
2265003050	7.85872E-05	0.000604847	3.63342E-05	0.000121727	4.23443E-05	0.000400249	9.88206E-05
2265003060	2.56086E-05	0.000342996	1.94581E-05	4.85467E-05	1.35158E-05	0.00010344	3.45839E-05
2265003070	0.00038502	0.002963304	0.000178012	0.000596372	0.000207456	0.001960932	0.00048415
2265004010	0.0079959	0.119288578	0.006824187	0.016870236	0.00436894	0.03315726	0.01172871
2265004011	0.000738758	0.052944331	0.000943967	0.003078161	0.001354389	0.017073546	0.003693791
2265004015	0.000682031	0.010175061	0.000582086	0.001438991	0.00037266	0.002828236	0.001000434
2265004016	0.000384243	0.027537417	0.000490977	0.001601011	0.000704445	0.008880279	0.001921211
2265004025	4.32568E-05	0.000645338	3.6918E-05	9.12658E-05	2.36354E-05	0.000179377	6.3451E-05
2265004026	1.77076E-05	0.001269043	2.26264E-05	7.37817E-05	3.2464E-05	0.000409242	8.85379E-05
2265004030	8.31955E-05	0.00124117	7.1004E-05	0.000175531	4.54578E-05	0.000344994	0.000122035
2265004031	0.000761238	0.054555358	0.000972693	0.003171825	0.001395603	0.017593059	0.00380619
2265004035	0.000772839	0.012223531	0.000680742	0.001635678	0.000497757	0.00320265	0.0011535
2265004036	0.000236305	0.016935211	0.000301947	0.000984606	0.001063374	0.00546129	0.001181526
2265004040	0.001632366	0.024352937	0.001393162	0.003444073	0.000891921	0.006769089	0.002394428

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2265004041	8.6014E-05	0.006164337	0.000109907	0.000358391	0.000157692	0.001987879	0.00043007
2265004046	0.000104092	0.007459944	0.000133007	0.000433717	0.000190836	0.002405691	0.000520461
2265004051	4.46806E-05	0.003202108	5.70919E-05	0.000186169	8.19144E-05	0.001032619	0.000223403
2265004055	0.022257051	0.332047472	0.018995523	0.046959224	0.012161181	0.092295389	0.032647639
2265004056	0.001188421	0.085170331	0.001518538	0.004951765	0.002178774	0.027465735	0.005942115
2265004066	0.000203783	0.01460439	0.000260388	0.000849091	0.0003736	0.004709631	0.001018912
2265004071	0.003667629	0.262846805	0.004686417	0.015281796	0.00672399	0.084763141	0.01833819
2265004075	0.000774863	0.011559993	0.000661315	0.001634852	0.000423383	0.003213192	0.001136603
2265004076	0.00011903	0.00853047	0.000152093	0.000495957	0.000218221	0.002750911	0.000595149
2265005010	6.55325E-05	6.86922E-06	3.67047E-05	1.52627E-05	4.87417E-05	8.69988E-05	2.99501E-05
2265005015	0.000275781	2.89078E-05	0.000154465	6.42302E-05	0.00020512	0.000366118	0.000126039
2265005020	1.81569E-06	1.90324E-07	1.01697E-06	4.22879E-07	1.35047E-06	2.41045E-06	8.29817E-07
2265005025	0.000171597	1.79871E-05	9.61114E-05	3.99654E-05	0.00012763	0.000227807	7.84245E-05
2265005030	5.6398E-05	5.91173E-06	3.15885E-05	1.31352E-05	4.19476E-05	7.48722E-05	2.57754E-05
2265005035	0.000596836	6.25612E-05	0.000334287	0.000139004	0.000443913	0.00079234	0.000272769
2265005040	0.001281506	0.00013433	0.000717772	0.000298466	0.000953158	0.001701287	0.000585683
2265005045	0.000271795	2.849E-05	0.000152232	6.33017E-05	0.000202155	0.000360827	0.000124218
2265005055	0.000399485	4.18747E-05	0.000223751	9.30409E-05	0.000297128	0.000530344	0.000182575
2265005060	0.000483786	5.07112E-05	0.000270968	0.000112675	0.00035983	0.000642258	0.000221103
2265006005	0.010920144	0.275640003	0.004895232	0.01606644	0.005397312	0.054726239	0.019581
2265006010	0.0026199	0.066129958	0.001174439	0.003854568	0.001294896	0.01312956	0.004697748
2265006015	0.001404828	0.035459759	0.000629749	0.002066868	0.000694339	0.00704028	0.002518992
2265006025	0.00301602	0.076128362	0.001352004	0.00443736	0.001490676	0.01511472	0.005408028
2265006030	0.00472086	0.119161081	0.002116248	0.006945636	0.002333304	0.023658601	0.008464992
2265006035	0.00022086	0.005574804	9.9006E-05	0.000324943	0.000109161	0.001106837	0.000396024
2265007010	0.000798276	8.39272E-05	0.000391879	1.67543E-05	0.000748816	0.000158082	0.000215812
2265007015	8.3727E-06	8.80267E-07	4.11022E-06	1.75727E-07	7.85393E-06	1.65804E-06	2.26354E-06
2265008005	0	0.003964008	0	4.16276E-06	0	5.00232E-06	0
2265010010	0	0.008877363	0.002592504	0.000392804	0	0.001466469	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.001136147	0.000631193	0.000126239	0.000252477	0.000504955	0.001262386	0
2270002003	0.001884303	0.02398035	0.0006957	0.001634148	0.000388576	0.006934371	0.00247488
2270002006	7.54331E-06	9.59988E-05	2.78504E-06	6.54187E-06	1.55556E-06	2.77599E-05	9.90751E-06
2270002009	5.07348E-05	0.000645668	1.87317E-05	4.39992E-05	1.04623E-05	0.000186707	6.66358E-05
2270002015	0.004717065	0.06003102	0.001741575	0.004090833	0.000972737	0.01735911	0.006195468
2270002018	0.005127576	0.065255311	0.001893138	0.004446846	0.001057393	0.01886982	0.006734643
2270002021	0.000283366	0.003606201	0.00010462	0.000245746	5.84346E-05	0.001042804	0.000372177
2270002024	0.000175016	0.00222732	6.46174E-05	0.000151782	3.60913E-05	0.000644073	0.00022987
2270002027	0.000521747	0.006639933	0.000192633	0.000452481	0.000107593	0.001920066	0.00068527
2270002030	0.002237748	0.02847837	0.000826193	0.00194067	0.000461461	0.008235069	0.002939091
2270002033	0.00192666	0.02451936	0.000711338	0.001670877	0.000397309	0.007090245	0.002530509
2270002036	0.01911489	0.243263103	0.007057359	0.01657725	0.003941808	0.070344121	0.0251058
2270002039	0.000158344	0.002015148	5.84619E-05	0.000137323	3.26533E-05	0.000582719	0.000207972
2270002042	7.5216E-05	0.000957226	2.77703E-05	6.52304E-05	1.55108E-05	0.0002768	9.879E-05
2270002045	0.004363128	0.0555267	0.001610898	0.003783885	0.00089975	0.01605663	0.005730606
2270002048	0.004757241	0.06054228	0.001756407	0.004125675	0.000981022	0.01750698	0.006248238
2270002051	0.01633677	0.207906897	0.00603165	0.01416789	0.00336891	0.060120391	0.02145696
2270002054	0.000770801	0.009809481	0.000284585	0.00066847	0.000158952	0.002836602	0.001012382
2270002057	0.006120561	0.077892391	0.002259756	0.005308002	0.001262163	0.02252409	0.008038842
2270002060	0.0208089	0.264821392	0.007682805	0.01804635	0.004291146	0.076578179	0.027330779
2270002066	0.012656406	0.161069702	0.004672836	0.01097616	0.002609961	0.046576409	0.01662312
2270002069	0.01903719	0.242274301	0.007028685	0.0165099	0.003925794	0.07005831	0.0250038
2270002072	0.008689068	0.110580062	0.003208071	0.00753552	0.001791831	0.03197637	0.011412366
2270002075	0.002050386	0.02609394	0.000757018	0.001778181	0.000422824	0.00754557	0.00269301
2270002078	2.68152E-05	0.000341259	9.90035E-06	2.32552E-05	5.52973E-06	9.86816E-05	3.52195E-05
2270002081	0.001963284	0.02498544	0.000724859	0.001702641	0.000404862	0.00722502	0.002578608
2270003010	0.000725036	0.00558024	0.000335215	0.001123037	0.000390664	0.003692664	0.000911708
2270003020	0.010465332	0.080546519	0.004838568	0.0162102	0.00563892	0.05330064	0.0131598
2270003030	0.004570152	0.035174159	0.002112972	0.007078896	0.002462484	0.02327616	0.005746812
2270003040	0.004638864	0.035702999	0.002144748	0.007185312	0.002499504	0.023626079	0.005833212
2270003050	0.00017912	0.001378596	8.2815E-05	0.000277447	9.65135E-05	0.000912272	0.000225238

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FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2270003060	0.010513692	0.140818801	0.007988592	0.01993104	0.005549004	0.042467879	0.014198521
2270003070	0.006593448	0.050746439	0.003048432	0.01021284	0.003552672	0.033580799	0.008291028
2270004031	4.46453E-08	3.19958E-06	5.70468E-08	1.86022E-07	8.18497E-08	1.0318E-06	2.23226E-07
2270004036	1.16054E-05	0.000831723	1.48292E-05	4.83561E-05	5.22246E-05	0.000268214	5.80272E-05
2270004046	0.000308027	0.022075251	0.00039359	0.001283447	0.000564717	0.00711885	0.001540136
2270004056	6.358E-05	0.004556564	8.12412E-05	0.000264917	0.000116563	0.001469405	0.0003179
2270004066	0.000419091	0.030034857	0.000535505	0.001746217	0.000768335	0.009685653	0.002095458
2270004071	4.94312E-05	0.003542566	6.31621E-05	0.000205963	9.06237E-05	0.001142412	0.000247156
2270004076	1.17076E-06	8.39047E-05	1.49597E-06	4.87817E-06	2.1464E-06	2.70576E-05	5.85381E-06
2270005010	2.37263E-06	2.48702E-07	1.3289E-06	5.5259E-07	1.76471E-06	3.14982E-06	1.08435E-06
2270005015	0.104753788	0.010980453	0.05867259	0.02439743	0.077913692	0.139067524	0.047875302
2270005020	0.009404031	0.000985744	0.005267184	0.00219022	0.006994509	0.012484497	0.004297887
2270005025	5.26663E-05	5.52055E-06	2.94983E-05	1.22661E-05	3.9172E-05	6.9918E-05	2.40699E-05
2270005030	1.03805E-05	1.0881E-06	5.81412E-06	2.41765E-06	7.72079E-06	1.37809E-05	4.74417E-06
2270005035	0.000798575	8.37078E-05	0.000447281	0.00018599	0.000593962	0.001060162	0.000364969
2270005040	1.27578E-06	1.33729E-07	7.14564E-07	2.97132E-07	9.48898E-07	1.69368E-06	5.83065E-07
2270005045	0.000738395	7.73998E-05	0.000413575	0.000171974	0.000549202	0.000980269	0.000337466
2270005055	0.002046919	0.000214561	0.001146476	0.000476733	0.001522454	0.002717424	0.000935498
2270005060	0.001503227	0.000157571	0.000841956	0.000350105	0.001118069	0.001995635	0.000687014
2270006005	0.00440304	0.111138839	0.001973784	0.006478044	0.002176212	0.022065841	0.007895112
2270006010	0.001038632	0.02621652	0.000465594	0.001528104	0.000513347	0.005205096	0.001862376
2270006015	0.002878644	0.072661081	0.001290432	0.004235256	0.00142278	0.014426279	0.005161716
2270006020	0	0	0	0	0	0	0
2270006025	0.001467648	0.037045559	0.000657913	0.002159304	0.000725392	0.007355136	0.002631648
2270006030	0.000140844	0.003555096	6.31369E-05	0.000207218	6.96126E-05	0.000705839	0.000252548
2270006035	0.00012488	0.003152136	5.59806E-05	0.000183731	6.17222E-05	0.000625835	0.000223922
2270007010	0	0	0	0	0	0	0
2270007015	0.008925384	0.000938375	0.004381536	0.000187326	0.008372376	0.001767492	0.00241296
2270008005	0	0.095097005	0	9.98653E-05	0	0.000120006	0
2270009010	0	0	0.02191713	0.001660857	0	0	0
2270010010	0	0.01753341	0.005120379	0.000775816	0	0.00289638	0
2282005010	0.007340536	0.069734981	0.04954853	0.04037293	0.012845926	0.031197267	0.005505391
2282005015	0.002917846	0.027719582	0.019695468	0.0160482	0.005106238	0.012400856	0.002188386
2282010005	0.003445759	0.032734749	0.023258895	0.018951735	0.006030074	0.014644494	0.002584324
2282020005	0.001451774	0.013791875	0.009799497	0.007984756	0.002540607	0.006170039	0.001088832

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FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2282020010	6.28513E-06	5.97087E-05	4.24246E-05	3.45682E-05	1.0999E-05	2.67118E-05	4.71385E-06
2285002015	2.37287E-05	0.002903628	1.67941E-05	0.002180148	0.000340278	0.00136134	0.000982579
2285004015	2.30831E-06	0.000282463	1.63372E-06	0.000212083	3.31021E-05	0.000132431	9.55848E-05
2285006015	0	0	0	0	0	0	0
Total	**0.484306887**	**4.659684518**	**0.380182551**	**0.514733657**	**0.267432376**	**1.605695779**	**0.481887728**

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FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2260001010	0.003619875	0.014479497	0.008446365	0.00241325	0	0.006033123	0.006033123
2260001020	0.027107011	0	0.01016514	0.01185933	0.289706111	0	0.01185933
2260001030	0.002908983	0.011635929	0.00678762	0.001939318	0	0.0048483	0.0048483
2260001060	0.00076732	0.003069285	0.001790413	0.000511547	0	0.001278867	0.001278867
2260002006	0.00011431	0.001232661	0.000468556	0.000210876	4.17891E-06	0.000106847	0.000728473
2260002009	6.43089E-06	6.93473E-05	2.63602E-05	1.18636E-05	2.35099E-07	6.01105E-06	4.09826E-05
2260002021	7.68103E-06	8.28282E-05	3.14845E-05	1.41698E-05	2.80801E-07	7.17958E-06	4.89495E-05
2260002027	5.50961E-08	5.94127E-07	2.25839E-07	1.0164E-07	2.01419E-09	5.14992E-08	3.51115E-07
2260002039	0.000293533	0.003165306	0.001203189	0.000541502	1.07309E-05	0.00027437	0.00187062
2260002054	1.46716E-06	1.58211E-05	6.01389E-06	2.70658E-06	5.36362E-08	1.37138E-06	9.34991E-06
2260003030	1.0875E-05	6.74923E-05	2.80342E-05	1.05412E-05	2.35758E-06	5.10257E-06	1.37849E-05
2260003040	8.66443E-07	5.37728E-06	2.23355E-06	8.3984E-07	1.87835E-07	4.06534E-07	1.09827E-06
2260004015	4.31266E-05	0.000418816	0.000120099	0.000120384	4.61474E-06	4.83253E-05	7.58746E-05
2260004016	7.17957E-05	0.003291724	0.000324168	0.000237143	0	7.17957E-05	0.000256724
2260004020	0.000584566	0.0056769	0.001627896	0.00163176	6.25511E-05	0.000655031	0.001028455
2260004021	0.000890208	0.040814641	0.004019424	0.002940384	0	0.000890208	0.003183168
2260004025	0.00080922	0.007858593	0.002253511	0.002258851	8.65901E-05	0.000906768	0.0014237
2260004026	0.000697642	0.031985781	0.003149959	0.002304329	0	0.000697642	0.002494596
2260004030	0.000522418	0.005073363	0.001454822	0.001458275	5.5901E-05	0.000585392	0.000919116
2260004031	0.000679114	0.03113637	0.003066307	0.002243135	0	0.000679114	0.002428346
2260004035	0.000235373	0.001870248	0.000586854	0.000535269	3.73602E-05	0.000250132	0.000443253
2260004036	0.000521535	0.00773613	0.000761853	0.000557328	0	0.000495972	0.000603345
2260004071	2.97549E-07	1.36421E-05	1.34348E-06	9.82813E-07	0	2.97549E-07	1.06396E-06
2260005035	4.49698E-05	1.62577E-05	2.43243E-05	1.52701E-05	1.48882E-07	3.41225E-06	2.63332E-05
2260006005	4.77866E-05	0.001176541	0.000232343	0.000115347	2.47172E-06	2.38933E-05	9.47495E-05
2260006010	0.000317226	0.00781032	0.001542372	0.000765718	1.64082E-05	0.000158612	0.000628982
2260006015	1.21565E-07	2.99302E-06	5.91056E-07	2.93432E-07	6.28784E-09	6.07824E-08	2.41034E-07
2260006035	1.88803E-06	4.64846E-05	9.17974E-06	4.55731E-06	9.76567E-08	9.44015E-07	3.74351E-06
2260007005	0.000362186	1.74137E-05	0.000162457	0.000403556	0.000161996	3.4239E-05	0.000438059
2265001010	0.001051129	0.004204509	0.002452633	0.000700751	0	0.001751878	0.001751878
2265001030	0.010029765	0.040119089	0.02340282	0.00668652	0	0.016716303	0.016716303
2265001050	0.002251705	0.0135102	0.022517049	0.010132689	0.001125852	0.002251705	0.004503414
2265001060	0.000630154	0.002520615	0.001470361	0.000420102	0	0.001050256	0.001050256
2265002003	6.39795E-05	0.000689922	0.000262252	0.000118028	2.33895E-06	5.98027E-05	0.000407728
2265002006	4.86724E-07	5.24859E-06	1.99508E-06	8.97898E-07	1.77936E-08	4.5495E-07	3.10179E-06

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FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2265002009	0.000115536	0.001245876	0.000473581	0.000213138	4.22373E-06	0.000107993	0.000736284
2265002015	0.000112142	0.001209283	0.000459671	0.000206877	4.09967E-06	0.000104821	0.000714657
2265002021	0.000225546	0.002432172	0.000924512	0.000416082	8.24546E-06	0.000210822	0.001437354
2265002024	9.22907E-05	0.000995214	0.000378299	0.000170255	3.37394E-06	8.62655E-05	0.000588148
2265002027	4.69135E-06	5.05891E-05	1.92298E-05	8.65448E-06	1.71505E-07	4.38508E-06	2.98969E-05
2265002030	0.00019648	0.002118741	0.000805372	0.000362462	7.18288E-06	0.000183653	0.001252124
2265002033	6.5301E-05	0.000704172	0.000267669	0.000120466	2.38726E-06	6.10379E-05	0.000416149
2265002039	0.00040324	0.004348335	0.00165288	0.000743887	1.47415E-05	0.000376915	0.002569764
2265002042	0.000203022	0.002189283	0.000832186	0.00037453	7.42202E-06	0.000189768	0.001293815
2265002045	1.60799E-05	0.000173398	6.59115E-05	2.96638E-05	5.87846E-07	1.50301E-05	0.000102474
2265002054	2.62232E-05	0.000282777	0.000107489	4.83758E-05	9.58661E-07	2.45113E-05	0.000167114
2265002057	2.53993E-05	0.000273893	0.000104112	4.6856E-05	9.28542E-07	2.37412E-05	0.000161864
2265002060	6.21505E-05	0.000670199	0.000254755	0.000114654	2.27209E-06	5.80931E-05	0.000396072
2265002066	0.00013362	0.001440888	0.000547707	0.000246498	4.88484E-06	0.000124896	0.00085153
2265002072	9.57055E-05	0.001032038	0.000392297	0.000176555	3.49878E-06	8.94574E-05	0.00060991
2265002078	3.18622E-05	0.000343585	0.000130603	5.87785E-05	1.16481E-06	2.97821E-05	0.000203051
2265002081	2.18099E-05	0.000235186	8.93984E-05	4.02342E-05	7.97319E-07	2.0386E-05	0.000138989
2265003010	0.000938498	0.005824476	0.002419296	0.000909684	0.000203455	0.000440342	0.001189608
2265003020	0.00314436	0.019514401	0.008105652	0.00304782	0.000681659	0.001475328	0.00398568
2265003030	0.000769544	0.004775916	0.001983756	0.000745918	0.000166828	0.000361069	0.000975448
2265003040	0.001326996	0.008235576	0.003420792	0.001286256	0.000287678	0.000622627	0.001682064
2265003050	6.62411E-05	0.000411103	0.000170759	6.42073E-05	1.43603E-05	3.10802E-05	8.3965E-05
2265003060	1.69962E-05	0.000165047	4.82729E-05	4.07428E-05	1.58442E-06	1.61866E-05	3.75446E-05
2265003070	0.000324533	0.002014104	0.000836594	0.000314569	7.03549E-05	0.00015227	0.000411367
2265004010	0.005185374	0.05035677	0.014440209	0.014474424	0.000554858	0.005810439	0.009122892
2265004011	0.001354389	0.06209673	0.006115278	0.004473589	0	0.001354389	0.004842973
2265004015	0.0004423	0.004295311	0.001231713	0.001234633	4.73281E-05	0.000495616	0.00077816
2265004016	0.000704445	0.032297763	0.003180673	0.002326805	0	0.000704445	0.002518923
2265004025	2.80522E-05	0.000272424	7.81196E-05	7.83049E-05	3.00171E-06	3.14337E-05	4.93536E-05
2265004026	3.2464E-05	0.001488421	0.00014658	0.000107229	0	3.2464E-05	0.000116083
2265004030	5.39526E-05	0.00052395	0.000150246	0.000150603	5.77316E-06	6.04562E-05	9.49215E-05
2265004031	0.001395603	0.063986281	0.006301356	0.004609718	0	0.001395603	0.004990337
2265004035	0.000604329	0.00480192	0.001506765	0.001374318	9.59238E-05	0.000642225	0.001138065
2265004036	0.001339065	0.019862759	0.001956084	0.001430961	0	0.001273422	0.001549113
2265004040	0.001058597	0.010280379	0.002947972	0.002954966	0.000113274	0.001186203	0.001862446

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FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2265004041	0.000157692	0.007229952	0.000712005	0.000520862	0	0.000157692	0.000563869
2265004046	0.000190836	0.008749524	0.000861651	0.000630336	0	0.000190836	0.000682382
2265004051	8.19144E-05	0.003755653	0.000369856	0.000270566	0	8.19144E-05	0.000292906
2265004055	0.014433795	0.140170892	0.040195098	0.040290435	0.001544476	0.016173684	0.025394039
2265004056	0.002178774	0.099893432	0.009837507	0.007196562	0	0.002178774	0.007790769
2265004066	0.0003736	0.017129049	0.001686864	0.001234011	0	0.0003736	0.001335905
2265004071	0.00672399	0.308284689	0.030359832	0.022209524	0	0.00672399	0.024043374
2265004075	0.000502502	0.004879949	0.001399363	0.001402682	5.37699E-05	0.000563075	0.000884077
2265004076	0.000218221	0.010005105	0.000985301	0.000720791	0	0.000218221	0.000780308
2265005010	7.80968E-05	2.82339E-05	4.22428E-05	2.65189E-05	2.58556E-07	5.92589E-06	4.57316E-05
2265005015	0.000328655	0.000118817	0.000177771	0.000111599	1.08808E-06	2.4938E-05	0.000192453
2265005020	2.1638E-06	7.82269E-07	1.17041E-06	7.34751E-07	7.16372E-09	1.64187E-07	1.26707E-06
2265005025	0.000204497	7.39306E-05	0.000110613	6.94398E-05	6.77029E-07	1.5517E-05	0.000119748
2265005030	6.72109E-05	2.42985E-05	3.63546E-05	2.28225E-05	2.22516E-07	5.09989E-06	3.93572E-05
2265005035	0.000711264	0.000257139	0.000384725	0.00024152	2.35479E-06	5.39699E-05	0.000416499
2265005040	0.001527206	0.000552123	0.000826069	0.000518584	5.05613E-06	0.000115883	0.000894294
2265005045	0.000323905	0.0001171	0.000175201	0.000109987	1.07236E-06	2.45775E-05	0.000189671
2265005055	0.000476077	0.000172113	0.000257511	0.000161658	1.57615E-06	3.61242E-05	0.000278779
2265005060	0.00057654	0.000208434	0.000311852	0.000195773	1.90876E-06	4.37472E-05	0.000337608
2265006005	0.0072801	0.179240406	0.03539628	0.01757268	0.000376556	0.003640044	0.014434679
2265006010	0.0017466	0.04300248	0.008492088	0.004215936	9.03414E-05	0.0008733	0.003463092
2265006015	0.000936551	0.02305848	0.004553568	0.002260644	4.84423E-05	0.000468275	0.001856952
2265006025	0.002010672	0.049504202	0.009776052	0.004853352	0.000104001	0.001005338	0.003986688
2265006030	0.00314724	0.077487241	0.01530216	0.007596792	0.000162788	0.00157362	0.006240216
2265006035	0.00014724	0.00362514	0.00071589	0.000355406	7.61585E-06	7.36199E-05	0.000291941
2265007010	0.000533029	2.56278E-05	0.000239089	0.000593915	0.00023841	5.03897E-05	0.000644692
2265007015	5.59066E-06	2.68796E-07	2.50768E-06	6.22926E-06	2.50056E-06	5.2851E-07	6.76182E-06
2265008005	0	8.92021E-07	3.60307E-07	4.4706E-05	0	2.58862E-07	3.53311E-06
2265010010	0	0.000654673	0.00041899	0.00432084	0	0.000392804	0.000654673
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

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FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000378716	0.001514866	0.00088367	0.000252477	0	0.000631193	0.000631193
2270002003	0.00085281	0.009196263	0.00349566	0.001573242	3.11768E-05	0.000797135	0.005434773
2270002006	3.41399E-06	3.68148E-05	1.39939E-05	6.29805E-06	1.24808E-07	3.19111E-06	2.17566E-05
2270002009	2.29618E-05	0.000247608	9.41204E-05	4.23594E-05	8.39433E-07	2.14628E-05	0.000146331
2270002015	0.002134875	0.02302137	0.008750847	0.003938364	7.80463E-05	0.001995501	0.013605096
2270002018	0.002320668	0.025024859	0.009512406	0.004281111	8.48384E-05	0.002169165	0.0147891
2270002021	0.000128247	0.001382951	0.000525684	0.000236587	4.68842E-06	0.000119875	0.00081729
2270002024	7.921E-05	0.000854159	0.000324681	0.000146125	2.89574E-06	7.40388E-05	0.000504788
2270002027	0.000236135	0.002546361	0.000967917	0.000435617	8.63257E-06	0.000220719	0.001504839
2270002030	0.001012773	0.010921209	0.004151355	0.00186834	3.70247E-05	0.000946655	0.006454179
2270002033	0.000871979	0.009402972	0.003574239	0.001608603	3.18776E-05	0.000815053	0.00555693
2270002036	0.008651127	0.093289261	0.035460929	0.01595937	0.000316266	0.008086347	0.055131719
2270002039	7.16644E-05	0.000772792	0.000293752	0.000132205	2.61989E-06	6.69859E-05	0.000456702
2270002042	3.40417E-05	0.000367088	0.000139537	6.27992E-05	1.24449E-06	3.18193E-05	0.00021694
2270002045	0.00197469	0.02129403	0.008094249	0.003642858	7.21902E-05	0.001845777	0.012584286
2270002048	0.002153061	0.02321748	0.008825382	0.00397191	7.8711E-05	0.002012499	0.013720944
2270002051	0.007393782	0.079730669	0.030307079	0.01363986	0.0002703	0.006911085	0.047118961
2270002054	0.000348854	0.003761853	0.001429947	0.000643556	1.27533E-05	0.000326079	0.002223168
2270002057	0.002770077	0.02987109	0.011354526	0.00511017	0.000101268	0.002589237	0.01765311
2270002060	0.00941781	0.101556838	0.03860358	0.01737375	0.000344294	0.008802981	0.060017669
2270002066	0.005728104	0.06176889	0.0234795	0.010567077	0.000209407	0.005354148	0.036503971
2270002069	0.008615979	0.092910269	0.03531684	0.01589454	0.000314981	0.008053494	0.05490774
2270002072	0.003932547	0.042406561	0.01611951	0.007254666	0.000143765	0.003675819	0.02506128
2270002075	0.000927976	0.010006812	0.003803769	0.001711908	3.39247E-05	0.000867394	0.005913792
2270002078	1.21361E-05	0.00013087	4.9746E-05	2.23885E-05	4.4367E-07	1.13439E-05	7.73411E-05
2270002081	0.000888554	0.009581709	0.00364218	0.001639182	3.24836E-05	0.000830546	0.005662563
2270003010	0.000611134	0.003792792	0.001575408	0.00059237	0.000132486	0.000286744	0.000774652
2270003020	0.008821236	0.05474592	0.02273976	0.008550396	0.001912332	0.004138908	0.011181492
2270003030	0.00385218	0.023907239	0.009930312	0.003733908	0.000835108	0.00180744	0.004882896
2270003040	0.003910104	0.024266641	0.010079604	0.003790044	0.000847662	0.00183462	0.0049563
2270003050	0.00015098	0.00093701	0.000389204	0.000146345	3.27308E-05	7.084E-05	0.000191378

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FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2270003060	0.00697788	0.067760881	0.019818599	0.016727041	0.000650489	0.006645468	0.01541412
2270003070	0.005557608	0.034491481	0.01432668	0.00538698	0.001204824	0.002607624	0.007044636
2270004031	8.18497E-08	3.75269E-06	3.69564E-07	2.70352E-07	0	8.18497E-08	2.92675E-07
2270004036	6.57642E-05	0.000975501	9.60672E-05	7.02774E-05	0	6.25404E-05	7.608E-05
2270004046	0.000564717	0.025891398	0.00254978	0.001865276	0	0.000564717	0.002019289
2270004056	0.000116563	0.005344251	0.000526301	0.000385012	0	0.000116563	0.000416802
2270004066	0.000768335	0.035226942	0.003469141	0.002537827	0	0.000768335	0.002747374
2270004071	9.06237E-05	0.004154966	0.00040918	0.000299334	0	9.06237E-05	0.000324049
2270004076	2.1464E-06	9.8409E-05	9.6913E-06	7.08962E-06	0	2.1464E-06	7.67501E-06
2270005010	2.82751E-06	1.02222E-06	1.52941E-06	9.60123E-07	9.36108E-09	2.14549E-07	1.65572E-06
2270005015	0.124837354	0.04513195	0.06752514	0.042390443	0.000413302	0.009472542	0.07310202
2270005020	0.011206995	0.004051612	0.006061908	0.003805501	3.71031E-05	0.000850374	0.006562554
2270005025	6.27636E-05	2.26906E-05	3.3949E-05	2.13123E-05	2.07792E-07	4.76243E-06	3.67529E-05
2270005030	1.23707E-05	4.47233E-06	6.69136E-06	4.20066E-06	4.09559E-08	9.38676E-07	7.244E-06
2270005035	0.00095168	0.000344057	0.000514767	0.000323157	3.15073E-06	7.22124E-05	0.000557281
2270005040	1.52038E-06	5.49655E-07	8.22379E-07	5.16267E-07	5.03353E-09	1.15364E-07	8.90297E-07
2270005045	0.000879963	0.000318129	0.000475976	0.000298804	2.9133E-06	6.67706E-05	0.000515286
2270005055	0.002439366	0.000881892	0.001319459	0.000828322	8.07604E-06	0.000185096	0.001428436
2270005060	0.00179143	0.000647648	0.000968992	0.000608307	5.93092E-06	0.000135932	0.00104902
2270006005	0.002935368	0.072270602	0.01427196	0.007085364	0.000151829	0.001467684	0.00582012
2270006010	0.000692422	0.017047919	0.0033666	0.00167136	3.5815E-05	0.000346211	0.001372908
2270006015	0.0019191	0.04724952	0.009330792	0.004632312	9.92638E-05	0.000959549	0.003805104
2270006020	0	0	0	0	0	0	0
2270006025	0.000978436	0.02408976	0.00475722	0.002361744	5.06087E-05	0.000489217	0.001940004
2270006030	9.3896E-05	0.002311788	0.000456529	0.000226645	4.85669E-06	4.6948E-05	0.000186173
2270006035	8.32532E-05	0.002049756	0.000404783	0.000200956	4.3062E-06	4.16266E-05	0.000165071
2270007010	0	0	0	0	0	0	0
2270007015	0.005959704	0.00028654	0.002673216	0.006640452	0.00266562	0.000563398	0.007208184
2270008005	0	2.13997E-05	8.6438E-06	0.001072504	0	6.21012E-06	8.47597E-05
2270009010	0	0	0	0.00152553	0	0	0
2270010010	0	0.001293026	0.000827537	0.008533974	0	0.000775816	0.001293026
2282005010	0.04954853	0.069734981	0.029362113	0.025691829	0.007340536	0.029362113	0.020186421
2282005015	0.019695468	0.027719582	0.011671414	0.010212465	0.002917846	0.011671414	0.008024078
2282010005	0.023258895	0.032734749	0.013783044	0.012060179	0.003445759	0.013783044	0.00947584
2282020005	0.009799497	0.013791875	0.005807089	0.005081217	0.001451774	0.005807089	0.003992384

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	15	17	19	21	23	25	27
SCC	**Bradford**	**Bucks**	**Butler**	**Cambria**	**Cameron**	**Carbon**	**Centre**
2282020010	4.24246E-05	5.97087E-05	2.51405E-05	2.1998E-05	6.28513E-06	2.51405E-05	1.72841E-05
2285002015	5.86146E-05	0.000145297	3.16705E-05	0.000934172	0.000100861	2.4949E-05	0
2285004015	5.702E-06	1.41344E-05	3.08089E-06	9.08758E-05	9.81173E-06	2.42702E-06	0
2285006015	0	0	0	0	0	0	0
Total	**0.469985026**	**2.827657013**	**0.833399271**	**0.504357869**	**0.322822975**	**0.245174928**	**0.791766055**

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2260001010	0.014479497	0.003619875	0.00241325	0.001206624	0.004826499	0.006033123	0.006033123
2260001020	0	0.040660501	0.02033025	0.045743099	0	0.018636059	0
2260001030	0.011635929	0.002908983	0.001939318	0.000969659	0.003878643	0.0048483	0.0048483
2260001060	0.003069285	0.00076732	0.000511547	0.000255773	0.001023093	0.001278867	0.001278867
2260002006	0.001776405	8.31569E-05	8.76838E-05	8.12878E-05	0.00011541	0.000142742	0.00054937
2260002009	9.99373E-05	4.67827E-06	4.93294E-06	4.57312E-06	6.49276E-06	8.03045E-06	3.09066E-05
2260002021	0.000119365	5.58771E-06	5.89189E-06	5.46211E-06	7.75492E-06	9.59153E-06	3.69148E-05
2260002027	8.56204E-07	4.00807E-08	4.22626E-08	3.91797E-08	5.56261E-08	6.88001E-08	2.6479E-07
2260002039	0.004561563	0.000213536	0.000225161	0.000208736	0.000296357	0.000366543	0.001410708
2260002054	2.28E-05	1.06731E-06	1.12542E-06	1.04333E-06	1.48128E-06	1.83209E-06	7.05113E-06
2260003030	4.04032E-05	5.32516E-06	7.55218E-06	5.26523E-06	1.15589E-05	1.59583E-05	2.03653E-05
2260003040	3.21902E-06	4.24268E-07	6.01702E-07	4.19494E-07	9.20926E-07	1.27145E-06	1.62256E-06
2260004015	0.000302819	2.87809E-05	6.1934E-05	2.71092E-05	4.60814E-05	6.30054E-05	0.000153454
2260004016	0.003098091	7.17957E-05	7.17957E-05	0.000422072	3.91613E-05	0.000422072	0.000717957
2260004020	0.0041046	0.000390115	0.000839494	0.000367456	0.000624618	0.000854014	0.00208002
2260004021	0.038413801	0.000890208	0.000890208	0.005233344	0.000485568	0.005233344	0.00890208
2260004025	0.005682033	0.00054004	0.001162118	0.000508673	0.000864663	0.001182219	0.002879386
2260004026	0.030104305	0.000697642	0.000697642	0.004101284	0.000380532	0.004101284	0.006976416
2260004030	0.003668219	0.00034864	0.000750243	0.00032839	0.000558212	0.000763221	0.001858883
2260004031	0.029304788	0.000679114	0.000679114	0.003992368	0.000370426	0.003992368	0.006791145
2260004035	0.001378329	0.00015968	0.000310305	0.000149789	0.000228601	0.000348078	0.000722913
2260004036	0.00728106	0.000342579	0.00069027	0.000311898	9.20358E-05	0.000746514	0.001687323
2260004071	1.28397E-05	2.97549E-07	2.97549E-07	1.74923E-06	1.623E-07	1.74923E-06	2.97549E-06
2260005035	3.30758E-05	1.55842E-05	8.83733E-06	9.08114E-06	2.19263E-05	3.455E-05	3.21517E-05
2260006005	0.000820613	3.21324E-05	6.17932E-05	2.38933E-05	4.77866E-05	7.00322E-05	0.000212568
2260006010	0.005447532	0.000213307	0.000410206	0.000158612	0.000317226	0.0004649	0.001411104
2260006015	2.08757E-06	8.1742E-08	1.57196E-07	6.07824E-08	1.21565E-07	1.78156E-07	5.40754E-07
2260006035	3.24221E-05	1.26954E-06	2.44142E-06	9.44015E-07	1.88803E-06	2.76694E-06	8.39848E-06
2260007005	0.000131622	0.000290132	0.000871748	0.000292987	0.000283783	0.000268492	0.000115957
2265001010	0.004204509	0.001051129	0.000700751	0.000350376	0.001401505	0.001751878	0.001751878
2265001030	0.040119089	0.010029765	0.00668652	0.003343257	0.013373031	0.016716303	0.016716303
2265001050	0.030398039	0.003377556	0.003377556	0.002251705	0.004503414	0.0135102	0.009006819
2265001060	0.002520615	0.000630154	0.000420102	0.000210051	0.000840204	0.001050256	0.001050256
2265002003	0.000994256	4.65431E-05	4.90768E-05	4.54969E-05	6.45951E-05	7.98932E-05	0.000307483
2265002006	7.56381E-06	3.54077E-07	3.73352E-07	3.46118E-07	4.91407E-07	6.07788E-07	2.33919E-06

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FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2265002009	0.001795449	8.40487E-05	8.86241E-05	8.21595E-05	0.000116647	0.000144273	0.000555261
2265002015	0.001742715	8.15799E-05	8.60209E-05	7.97462E-05	0.000113221	0.000140035	0.000538951
2265002021	0.003505035	0.000164078	0.00017301	0.00016039	0.000227716	0.000281646	0.001083968
2265002024	0.001434216	6.71386E-05	7.07934E-05	6.56295E-05	9.31786E-05	0.000115246	0.000443546
2265002027	7.29046E-05	3.41281E-06	3.5986E-06	3.3361E-06	4.73649E-06	5.85823E-06	2.25465E-05
2265002030	0.003053346	0.000142933	0.000150714	0.000139721	0.00019837	0.000245351	0.000944278
2265002033	0.001014791	4.75044E-05	5.00905E-05	4.64367E-05	6.59293E-05	8.15433E-05	0.000313834
2265002039	0.006266439	0.000293345	0.000309314	0.000286751	0.00040712	0.000503538	0.001937961
2265002042	0.003155004	0.000147692	0.000155732	0.000144372	0.000204975	0.00025352	0.000975717
2265002045	0.000249885	1.16976E-05	1.23344E-05	1.14347E-05	1.62346E-05	2.00795E-05	7.72795E-05
2265002054	0.000407513	1.90765E-05	2.0115E-05	1.86477E-05	2.64755E-05	3.27457E-05	0.000126028
2265002057	0.000394711	1.84772E-05	1.94831E-05	1.80619E-05	2.56437E-05	3.17169E-05	0.000122068
2265002060	0.000965833	4.52126E-05	4.76738E-05	4.41963E-05	6.27485E-05	7.76092E-05	0.000298693
2265002066	0.002076483	9.72042E-05	0.000102496	9.50193E-05	0.000134906	0.000166855	0.000642173
2265002072	0.001487286	6.96227E-05	7.34129E-05	6.80578E-05	9.66263E-05	0.00011951	0.000459957
2265002078	0.000495144	2.31787E-05	2.44405E-05	2.26577E-05	3.21687E-05	3.97872E-05	0.000153128
2265002081	0.00033893	1.5866E-05	1.67297E-05	1.55093E-05	2.20197E-05	2.72346E-05	0.000104817
2265003010	0.00348672	0.000459552	0.00065174	0.00045438	0.000997513	0.00137718	0.001757496
2265003020	0.011681964	0.001539684	0.002183604	0.001522356	0.003342084	0.00461412	0.005888316
2265003030	0.002859024	0.00037682	0.00053441	0.00037258	0.000817934	0.00112925	0.001441092
2265003040	0.004930092	0.000649789	0.000921535	0.000642476	0.001410444	0.001947276	0.00248502
2265003050	0.0002461	3.24361E-05	4.60012E-05	3.20711E-05	7.04064E-05	9.72041E-05	0.000124048
2265003060	0.000121909	1.11692E-05	2.25844E-05	1.01729E-05	1.74774E-05	2.44145E-05	5.89331E-05
2265003070	0.001205712	0.000158914	0.000225372	0.000157124	0.00034494	0.00047623	0.000607741
2265004010	0.036409749	0.003460501	0.007446702	0.003259507	0.005540655	0.007575504	0.018450732
2265004011	0.05844396	0.001354389	0.001354389	0.007962177	0.000738758	0.007962177	0.013543887
2265004015	0.003105658	0.000295172	0.000635186	0.000278028	0.000472605	0.000646173	0.001573802
2265004016	0.030397878	0.000704445	0.000704445	0.004141286	0.000384243	0.004141286	0.00704445
2265004025	0.000196972	1.87209E-05	4.02857E-05	1.76336E-05	2.99742E-05	4.09826E-05	9.9816E-05
2265004026	0.001400866	3.2464E-05	3.2464E-05	0.000190849	1.77076E-05	0.000190849	0.00032464
2265004030	0.000378834	3.60057E-05	7.74811E-05	3.39144E-05	5.76492E-05	7.88212E-05	0.000191976
2265004031	0.060222362	0.001395603	0.001395603	0.008204433	0.000761238	0.008204433	0.01395603
2265004035	0.00353892	0.000409986	0.000796716	0.000384591	0.000586941	0.000893703	0.001856103
2265004036	0.018694379	0.000879582	0.001772289	0.000800811	0.000236305	0.0019167	0.00433227
2265004040	0.00743307	0.000706464	0.001520254	0.000665431	0.001131133	0.001546551	0.003766731

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FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2265004041	0.006804663	0.000157692	0.000157692	0.000927041	8.6014E-05	0.000927041	0.001576923
2265004046	0.008234844	0.000190836	0.000190836	0.001121886	0.000104092	0.001121886	0.001908358
2265004051	0.00353473	8.19144E-05	8.19144E-05	0.000481558	4.46806E-05	0.000481558	0.000819144
2265004055	0.101348702	0.009632517	0.020728357	0.009073026	0.015422769	0.02108688	0.051358681
2265004056	0.09401733	0.002178774	0.002178774	0.012808524	0.001188421	0.012808524	0.021787744
2265004066	0.016121433	0.0003736	0.0003736	0.002196322	0.000203783	0.002196322	0.003736005
2265004071	0.290150436	0.00672399	0.00672399	0.039528897	0.003667629	0.039528897	0.06723987
2265004075	0.003528378	0.000335349	0.000721642	0.000315871	0.000536931	0.000734124	0.001788012
2265004076	0.00941658	0.000218221	0.000218221	0.001282873	0.00011903	0.001282873	0.002182215
2265005010	5.74411E-05	2.70642E-05	1.53474E-05	1.57708E-05	3.80782E-05	6.00013E-05	5.58361E-05
2265005015	0.00024173	0.000113895	6.45865E-05	6.63683E-05	0.000160245	0.000252504	0.000234976
2265005020	1.59151E-06	7.4986E-07	4.25225E-07	4.36956E-07	1.05502E-06	1.66243E-06	1.54704E-06
2265005025	0.00015041	7.08678E-05	4.01871E-05	4.12958E-05	9.97079E-05	0.000157114	0.000146207
2265005030	4.94344E-05	2.32918E-05	1.32081E-05	1.35725E-05	3.27706E-05	5.16377E-05	4.80532E-05
2265005035	0.000523143	0.000246486	0.000139776	0.000143632	0.000346796	0.00054646	0.000508525
2265005040	0.001123275	0.000529249	0.000300122	0.000308402	0.000744631	0.00117334	0.001091892
2265005045	0.000238236	0.000112249	6.36529E-05	6.5409E-05	0.000157929	0.000248854	0.000231579
2265005055	0.00035016	0.000164983	9.35573E-05	9.61383E-05	0.000232124	0.000365767	0.000340376
2265005060	0.000424052	0.000199798	0.0001133	0.000116426	0.000281108	0.000442952	0.000412204
2265006005	0.125017203	0.004895232	0.009413916	0.003640044	0.0072801	0.010669104	0.032383919
2265006010	0.0299934	0.001174439	0.002258532	0.0008733	0.0017466	0.002559672	0.007769364
2265006015	0.01608288	0.000629749	0.001211052	0.000468275	0.000936551	0.001372536	0.00416604
2265006025	0.0345282	0.001352004	0.002600016	0.001005338	0.002010672	0.002946684	0.008944044
2265006030	0.054045718	0.002116248	0.004069704	0.00157362	0.00314724	0.004612332	0.0139998
2265006035	0.00252846	9.9006E-05	0.000190397	7.36199E-05	0.00014724	0.000215783	0.000654964
2265007010	0.000193709	0.000426989	0.001282956	0.000431189	0.000417643	0.000395138	0.000170653
2265007015	2.03171E-06	4.47846E-06	1.34562E-05	4.52251E-06	4.38043E-06	4.1444E-06	1.7899E-06
2265008005	3.93889E-06	0	3.84793E-08	0	3.67303E-07	0	0
2265010010	0.000261869	0.003168612	0.002409192	0	0	0.001859271	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

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FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.001514866	0.000378716	0.000252477	0.000126239	0.000504955	0.000631193	0.000631193
2270002003	0.01325286	0.000620393	0.000654165	0.000606448	0.000861015	0.00106493	0.004098579
2270002006	5.30542E-05	2.48357E-06	2.61877E-06	2.42775E-06	3.44684E-06	4.26316E-06	1.64076E-05
2270002009	0.000356831	1.6704E-05	1.76134E-05	1.63286E-05	2.31827E-05	2.86731E-05	0.000110354
2270002015	0.03317643	0.001553055	0.001637598	0.001518144	0.002155416	0.002665887	0.010260156
2270002018	0.036063659	0.001688217	0.001780113	0.001650267	0.002342994	0.002897886	0.011153061
2270002021	0.00199299	9.32957E-05	9.83745E-05	9.11987E-05	0.000129481	0.000160146	0.000616351
2270002024	0.001230939	5.76228E-05	6.07596E-05	5.63276E-05	7.99721E-05	9.89119E-05	0.00038068
2270002027	0.003669591	0.000171781	0.000181132	0.00016792	0.000238407	0.000294869	0.001134858
2270002030	0.01573872	0.000736761	0.000776868	0.0007202	0.001022518	0.001264678	0.004867356
2270002033	0.013550718	0.000634337	0.000668869	0.000620079	0.000880368	0.001088867	0.004190703
2270002036	0.134440441	0.006293421	0.006636021	0.006151962	0.008734362	0.010802916	0.04157703
2270002039	0.001113681	5.21336E-05	5.49716E-05	5.09618E-05	7.23539E-05	8.94896E-05	0.000344417
2270002042	0.000529015	2.47643E-05	2.61124E-05	2.42076E-05	3.43692E-05	4.25089E-05	0.000163603
2270002045	0.03068709	0.001436526	0.00151473	0.001404234	0.001993689	0.002465856	0.009490299
2270002048	0.033459	0.001566279	0.001651548	0.00153108	0.002173773	0.002688591	0.010347519
2270002051	0.114900839	0.005378748	0.005671554	0.005257845	0.007464915	0.009232836	0.03553425
2270002054	0.005421255	0.00025378	0.000267595	0.000248076	0.00035221	0.000435624	0.00167658
2270002057	0.043047571	0.002015145	0.002124843	0.001969851	0.002796729	0.003459081	0.013312908
2270002060	0.146354701	0.006851166	0.007224126	0.006697167	0.009508425	0.011760309	0.04526172
2270002066	0.08901594	0.004167015	0.00439386	0.004073355	0.005783214	0.007152858	0.027529111
2270002069	0.133894022	0.006267855	0.006609063	0.006126972	0.008698872	0.010759032	0.041408101
2270002072	0.06111267	0.002860806	0.003016542	0.002796501	0.003970383	0.004910691	0.0188997
2270002075	0.01442094	0.000675074	0.000711823	0.0006599	0.000936904	0.001158792	0.004459821
2270002078	0.000188598	8.82867E-06	9.30929E-06	8.63023E-06	1.22529E-05	1.51548E-05	5.83259E-05
2270002081	0.013808295	0.000646396	0.000681584	0.000631866	0.000897103	0.001109564	0.004270359
2270003010	0.002270496	0.000299252	0.000424402	0.000295884	0.000649562	0.000896794	0.001144447
2270003020	0.032772719	0.004319472	0.006125904	0.00427086	0.009375924	0.01294452	0.0165192
2270003030	0.014311681	0.001886292	0.002675148	0.001865064	0.004094412	0.005652804	0.007213848
2270003040	0.01452684	0.001914648	0.002715372	0.001893096	0.004155972	0.005737788	0.007322292
2270003050	0.000560926	7.39303E-05	0.000104849	7.30984E-05	0.000160475	0.000221554	0.000282736

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2270003060	0.050050439	0.00458556	0.009272112	0.004176516	0.0071754	0.010023468	0.024195241
2270003070	0.02064768	0.002721384	0.003859488	0.00269076	0.005907084	0.008155392	0.01040754
2270004031	3.53194E-06	8.18497E-08	8.18497E-08	4.81177E-07	4.46453E-08	4.81177E-07	8.18496E-07
2270004036	0.00091812	4.31979E-05	8.70408E-05	3.93294E-05	1.16054E-05	9.41331E-05	0.000212766
2270004046	0.024368385	0.000564717	0.000564717	0.003319846	0.000308027	0.003319846	0.005647167
2270004056	0.005029884	0.000116563	0.000116563	0.000685251	6.358E-05	0.000685251	0.001165632
2270004066	0.033154798	0.000768335	0.000768335	0.004516868	0.000419091	0.004516868	0.007683351
2270004071	0.003910561	9.06237E-05	9.06237E-05	0.000532759	4.94312E-05	0.000532759	0.000906237
2270004076	9.26202E-05	2.1464E-06	2.1464E-06	1.26182E-05	1.17076E-06	1.26182E-05	2.1464E-05
2270005010	2.07967E-06	9.79868E-07	5.55656E-07	5.70985E-07	1.37863E-06	2.17236E-06	2.02156E-06
2270005015	0.091819529	0.043262159	0.024532761	0.025209558	0.06086808	0.09591216	0.089254168
2270005020	0.008242887	0.003883758	0.00220237	0.002263131	0.005464287	0.00861027	0.00801258
2270005025	4.61634E-05	2.17506E-05	1.23341E-05	1.26744E-05	3.06021E-05	4.82209E-05	4.48735E-05
2270005030	9.09881E-06	4.28704E-06	2.43106E-06	2.49813E-06	6.0317E-06	9.50434E-06	8.8446E-06
2270005035	0.000699973	0.000329802	0.000187022	0.000192181	0.000464018	0.00073117	0.000680414
2270005040	1.11826E-06	5.26883E-07	2.98781E-07	3.07024E-07	7.41302E-07	1.1681E-06	1.08701E-06
2270005045	0.000647224	0.000304949	0.000172928	0.000177699	0.000429051	0.000676071	0.00062914
2270005055	0.001794182	0.000845356	0.000479378	0.000492602	0.001189378	0.001874147	0.001744053
2270005060	0.001317623	0.000620816	0.000352048	0.00036176	0.000873463	0.001376345	0.001280807
2270006005	0.050407318	0.001973784	0.003795732	0.001467684	0.002935368	0.00430182	0.01305732
2270006010	0.011890548	0.000465594	0.000895373	0.000346211	0.000692422	0.001014756	0.003080088
2270006015	0.032955601	0.001290432	0.002481588	0.000959549	0.0019191	0.002812476	0.00853668
2270006020	0	0	0	0	0	0	0
2270006025	0.01680204	0.000657913	0.00126522	0.000489217	0.000978436	0.001433916	0.004352352
2270006030	0.001612416	6.31369E-05	0.000121417	4.6948E-05	9.3896E-05	0.000137606	0.000417676
2270006035	0.001429656	5.59806E-05	0.000107655	4.16266E-05	8.32532E-05	0.000122009	0.000370333
2270007010	0	0	0	0	0	0	0
2270007015	0.00216582	0.004774092	0.01434444	0.004821048	0.004669596	0.00441798	0.001908048
2270008005	9.44945E-05	0	9.23125E-07	0	8.81165E-06	0	0
2270009010	0	0	0.000258355	0	0	0	0
2270010010	0.00051721	0.006258246	0.004758336	0	0	0.003672192	0
2282005010	0.018351324	0.031197267	0.031197267	0.034867492	0.020186421	0.119283663	0.005505391
2282005015	0.007294637	0.012400856	0.012400856	0.013859801	0.008024078	0.047415054	0.002188386
2282010005	0.00861442	0.014644494	0.014644494	0.016367388	0.00947584	0.055993523	0.002584324
2282020005	0.003629441	0.006170039	0.006170039	0.006895938	0.003992384	0.023591356	0.001088832

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2282020010	1.57128E-05	2.67118E-05	2.67118E-05	2.98544E-05	1.72841E-05	0.000102133	4.71385E-06
2285002015	0.000708605	0	0	0.000136793	3.16511E-05	2.80094E-05	0.000670891
2285004015	6.89328E-05	0	0	1.33072E-05	3.07901E-06	2.72474E-06	6.52639E-05
2285006015	0	0	0	0	0	0	0
Total	**2.72280685**	**0.308299882**	**0.315646021**	**0.354354686**	**0.309161352**	**0.738901107**	**0.907472323**

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2260001010	0.00723975	0.00723975	0.001206624	0.00965298	0.00965298	0.003619875	0.004826499
2260001020	0	0	0.049131302	0.00677676	0	0.340533011	0
2260001030	0.005817957	0.005817957	0.000969659	0.007757274	0.007757274	0.002908983	0.003878643
2260001060	0.001534641	0.001534641	0.000255773	0.002046184	0.002046184	0.00076732	0.001023093
2260002006	0.000613745	0.000609541	4.341E-05	0.000464309	0.000304842	1.76231E-05	0.000237366
2260002009	3.45282E-05	3.42917E-05	2.44218E-06	2.61212E-05	1.71499E-05	9.91448E-07	1.33538E-05
2260002021	4.12404E-05	4.0958E-05	2.91692E-06	3.11991E-05	2.04838E-05	1.18418E-06	1.59497E-05
2260002027	2.95818E-07	2.93791E-07	2.09231E-08	2.23791E-07	1.4693E-07	8.49415E-09	1.14408E-07
2260002039	0.001576017	0.00156522	0.000111471	0.001192285	0.000782794	4.52539E-05	0.000609524
2260002054	7.87738E-06	7.82343E-06	5.57165E-07	5.95938E-06	3.91263E-06	2.26192E-07	3.04658E-06
2260003030	1.94407E-05	3.50716E-05	1.30646E-05	6.08947E-05	7.30283E-06	5.01908E-07	1.75829E-05
2260003040	1.54889E-06	2.79424E-06	1.04089E-06	4.85164E-06	5.81834E-07	3.99883E-08	1.40087E-06
2260004015	0.000181303	0.000394447	2.88209E-05	0.000195333	0.000111239	3.96962E-06	9.67331E-05
2260004016	0.00116831	0.001694815	7.17957E-05	0.000469935	0.000119659	7.17957E-05	0.000230617
2260004020	0.002457492	0.005346588	0.000390658	0.002647668	0.0015078	5.38067E-05	0.00131118
2260004021	0.01448616	0.021014281	0.000890208	0.005826816	0.00148368	0.000890208	0.002859456
2260004025	0.00340193	0.007401336	0.000540791	0.003665197	0.002087265	7.44852E-05	0.001815081
2260004026	0.011352534	0.016468593	0.000697642	0.004566384	0.001162737	0.000697642	0.00224091
2260004030	0.002196223	0.004778172	0.000349125	0.002366184	0.001347498	4.80863E-05	0.001171782
2260004031	0.01105104	0.016031205	0.000679114	0.00444511	0.001131857	0.000679114	0.002181395
2260004035	0.000912993	0.001776168	0.000148032	0.000937629	0.000544122	7.15128E-05	0.000448533
2260004036	0.002745735	0.0039831	0.000286333	0.001104429	0.000281221	4.09047E-05	0.000541989
2260004071	4.84193E-06	7.02396E-06	2.97549E-07	1.94759E-06	4.95915E-07	2.97549E-07	9.55764E-07
2260005035	2.05151E-05	1.81714E-07	2.72018E-06	2.79267E-05	1.68978E-05	6.47213E-07	5.35958E-05
2260006005	0.000266946	0.000586622	3.29563E-05	0.00027189	9.88691E-05	1.64782E-06	0.000104636
2260006010	0.001772088	0.003894216	0.000218777	0.001804908	0.000656329	1.09388E-05	0.000694615
2260006015	6.79087E-07	1.49231E-06	8.38379E-08	6.91662E-07	2.51514E-07	4.19189E-09	2.66185E-07
2260006035	1.05469E-05	2.31772E-05	1.30208E-06	1.07422E-05	3.90626E-06	6.51044E-08	4.13413E-06
2260007005	0.000150859	5.22545E-06	0.000655146	8.95957E-05	0.000304031	0.000350885	0.000530963
2265001010	0.002102254	0.002102254	0.000350376	0.002803002	0.002803002	0.001051129	0.001401505
2265001030	0.020059544	0.020059544	0.003343257	0.02674605	0.02674605	0.010029765	0.013373031
2265001050	0.014636098	0.0135102	0.004503414	0.024768786	0.005629263	0.001125852	0.0135102
2265001060	0.001260308	0.001260308	0.000210051	0.00168041	0.00168041	0.000630154	0.000840204
2265002003	0.000343514	0.000341162	2.42967E-05	0.000259875	0.000170621	9.86371E-06	0.000132854
2265002006	2.61329E-06	2.59539E-06	1.84837E-07	1.977E-06	1.298E-06	7.50383E-08	1.01069E-06

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FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2265002009	0.000620326	0.000616078	4.38755E-05	0.000469288	0.000308111	1.78121E-05	0.000239911
2265002015	0.000602105	0.000597982	4.25868E-05	0.000455504	0.000299061	1.72889E-05	0.000232865
2265002021	0.001210985	0.001202694	8.56527E-05	0.000916133	0.000601487	3.47724E-05	0.000468349
2265002024	0.00049552	0.000492126	3.5048E-05	0.00037487	0.000246121	1.42284E-05	0.000191642
2265002027	2.51885E-05	2.50159E-05	1.78157E-06	1.90555E-05	1.25109E-05	7.23264E-07	9.74164E-06
2265002030	0.001054929	0.001047703	7.46148E-05	0.000798072	0.000523975	3.02913E-05	0.000407994
2265002033	0.000350609	0.000348208	2.47985E-05	0.000265242	0.000174145	1.00674E-05	0.000135598
2265002039	0.002165046	0.00215022	0.000153134	0.001637898	0.001075362	6.21675E-05	0.000837333
2265002042	0.001090051	0.001082586	7.7099E-05	0.000824643	0.00054142	3.12998E-05	0.000421577
2265002045	8.63351E-05	8.57438E-05	6.10646E-06	6.53141E-05	4.2882E-05	2.47904E-06	3.33901E-05
2265002054	0.000140795	0.000139831	9.95843E-06	0.000106514	6.99321E-05	4.04282E-06	5.44527E-05
2265002057	0.000136372	0.000135438	9.64557E-06	0.000103168	6.7735E-05	3.9158E-06	5.2742E-05
2265002060	0.000333694	0.000331409	2.36021E-05	0.000252446	0.000165743	9.58173E-06	0.000129056
2265002066	0.000717421	0.000712508	5.07431E-05	0.000542743	0.000356338	2.06001E-05	0.000277463
2265002072	0.000513855	0.000510335	3.63448E-05	0.00038874	0.000255228	1.47549E-05	0.000198733
2265002078	0.000171072	0.0001699	1.20999E-05	0.000129419	8.49701E-05	4.91218E-06	6.61621E-05
2265002081	0.0001171	0.000116298	8.28244E-06	8.85881E-05	5.81626E-05	3.36242E-06	4.52884E-05
2265003010	0.001677696	0.003026616	0.001127454	0.005255112	0.000630222	4.33139E-05	0.001517376
2265003020	0.00562098	0.010140408	0.003777432	0.01760676	0.002111508	0.00014512	0.005083824
2265003030	0.001375668	0.002481744	0.000924484	0.004309056	0.000516766	3.55163E-05	0.001244208
2265003040	0.002372196	0.004279512	0.001594176	0.00743052	0.000891109	6.12442E-05	0.002145504
2265003050	0.000118415	0.000213625	7.9578E-05	0.000370916	4.44823E-05	3.05718E-06	0.000107099
2265003060	6.84536E-05	0.000149948	9.35534E-06	7.64927E-05	3.97578E-05	1.34956E-06	3.56176E-05
2265003070	0.000580148	0.001046605	0.000389874	0.00181722	0.000217931	1.49779E-05	0.000524708
2265004010	0.021799166	0.047426774	0.003465317	0.023486044	0.013374918	0.000477291	0.011630787
2265004011	0.022039598	0.031971798	0.001354389	0.008865099	0.002257318	0.001354389	0.004350466
2265004015	0.001859414	0.004045385	0.000295583	0.002003305	0.001140848	4.07118E-05	0.000992077
2265004016	0.011463222	0.016629138	0.000704445	0.004610915	0.001174077	0.000704445	0.002262767
2265004025	0.000117931	0.000256573	1.87469E-05	0.000127056	7.23566E-05	2.58208E-06	6.29211E-05
2265004026	0.000528277	0.000766346	3.2464E-05	0.000212491	5.41066E-05	3.2464E-05	0.000104278
2265004030	0.000226815	0.000493464	3.60558E-05	0.000244367	0.000139163	4.9661E-06	0.000121016
2265004031	0.02271027	0.032944689	0.001395603	0.009134844	0.002326004	0.001395603	0.004482845
2265004035	0.002344146	0.00456039	0.000380076	0.002407392	0.001397052	0.000183611	0.001151628
2265004036	0.00704976	0.01022676	0.000735171	0.002835663	0.000722043	0.000105025	0.001391577
2265004040	0.004450312	0.009682206	0.000707447	0.004794699	0.0027305	9.74393E-05	0.002374435

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2265004041	0.002566086	0.003722494	0.000157692	0.001032169	0.00026282	0.000157692	0.000506527
2265004046	0.003105415	0.00450488	0.000190836	0.001249104	0.00031806	0.000190836	0.000612987
2265004051	0.001332975	0.001933678	8.19144E-05	0.000536167	0.000136524	8.19144E-05	0.000263119
2265004055	0.060679141	0.13201545	0.009645903	0.065374772	0.037229826	0.001328568	0.032374941
2265004056	0.035454606	0.051432299	0.002178774	0.014261061	0.003631289	0.002178774	0.006998493
2265004066	0.006079503	0.008819229	0.0003736	0.002445386	0.000622668	0.0003736	0.001200051
2265004071	0.109417564	0.158726732	0.00672399	0.044011537	0.011206671	0.00672399	0.021598254
2265004075	0.002112499	0.00459601	0.000335815	0.002275977	0.001296127	4.62531E-05	0.001127108
2265004076	0.003551056	0.005151345	0.000218221	0.001428359	0.000363702	0.000218221	0.000700953
2265005010	3.56276E-05	3.15573E-07	4.724E-06	4.84989E-05	2.93455E-05	1.12398E-06	9.30773E-05
2265005015	0.000149932	1.32803E-06	1.98801E-05	0.000204099	0.000123495	4.73007E-06	0.000391698
2265005020	9.87124E-07	8.7435E-09	1.30887E-07	1.34374E-06	8.13067E-07	3.11418E-08	2.57886E-06
2265005025	9.3291E-05	8.26331E-07	1.23698E-05	0.000126995	7.68412E-05	2.94315E-06	0.000243723
2265005030	3.06615E-05	2.71586E-07	4.06553E-06	4.17387E-05	2.5255E-05	9.67311E-07	8.01033E-05
2265005035	0.000324477	2.87407E-06	4.30237E-05	0.000441702	0.000267263	1.02366E-05	0.000847698
2265005040	0.000696708	6.17112E-06	9.23791E-05	0.000948411	0.00057386	2.19798E-05	0.001820152
2265005045	0.000147765	1.30883E-06	1.95927E-05	0.000201149	0.00012171	4.6617E-06	0.000386036
2265005055	0.000217185	1.92373E-06	2.87974E-05	0.000295648	0.00017889	6.85178E-06	0.000567397
2265005060	0.000263017	2.32968E-06	3.48743E-05	0.000358037	0.00021664	8.29765E-06	0.000687131
2265006005	0.04066812	0.089369399	0.005020752	0.041421239	0.01506228	0.000251038	0.01594092
2265006010	0.009756876	0.021441001	0.001204548	0.00993756	0.003613656	6.02276E-05	0.003824448
2265006015	0.00523176	0.01149696	0.000645896	0.005328648	0.001937688	3.22949E-05	0.002050728
2265006025	0.01123206	0.024682799	0.001386672	0.011440056	0.004160016	6.93337E-05	0.004402692
2265006030	0.0175812	0.038635081	0.002170512	0.01790676	0.006511536	0.000108526	0.006891372
2265006035	0.000822511	0.0018075	0.000101545	0.000837743	0.000304634	5.07724E-06	0.000322404
2265007010	0.00022202	7.6903E-06	0.000964178	0.000131858	0.000447442	0.000516397	0.000781417
2265007015	2.32865E-06	8.06594E-08	1.01128E-05	1.38299E-06	4.69298E-06	5.41622E-06	8.19588E-06
2265008005	0.000346314	0	0	5.10026E-05	8.04569E-07	0	1.36427E-07
2265010010	0.000261869	0.000261869	0	0.001152225	0.000261869	0.000261869	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000757432	0.000757432	0.000126239	0.001009909	0.001009909	0.000378716	0.000504955
2270002003	0.004578846	0.004547484	0.00032386	0.00346398	0.002274276	0.000131478	0.001770867
2270002006	1.83302E-05	1.82046E-05	1.29649E-06	1.38671E-05	9.10445E-06	5.26334E-07	7.0892E-06
2270002009	0.000123285	0.000122441	8.71991E-06	9.32673E-05	6.12347E-05	3.54002E-06	4.76805E-05
2270002015	0.011462406	0.011383923	0.000810735	0.00867153	0.005693295	0.000329133	0.004433094
2270002018	0.012459954	0.012374604	0.00088129	0.009426183	0.006188766	0.000357776	0.004818894
2270002021	0.000688574	0.000683859	4.87027E-05	0.000520919	0.00034201	1.97718E-05	0.000266306
2270002024	0.000425288	0.000422376	3.00806E-05	0.000321738	0.000211237	1.22118E-05	0.00016448
2270002027	0.001267838	0.001259157	8.9674E-05	0.000959144	0.000629726	3.64049E-05	0.000490337
2270002030	0.005437701	0.005400462	0.000384608	0.004113726	0.002700867	0.000156139	0.002103033
2270002033	0.004681764	0.0046497	0.00033114	0.003541845	0.002325396	0.000134433	0.001810674
2270002036	0.04644897	0.046130851	0.003285324	0.03513951	0.02307087	0.001333742	0.01796418
2270002039	0.000384775	0.00038214	2.7215E-05	0.000291089	0.000191115	1.10485E-05	0.000148812
2270002042	0.000182774	0.000181522	1.29276E-05	0.000138272	9.07826E-05	5.2482E-06	7.06879E-05
2270002045	0.010602369	0.010529763	0.000749903	0.008020881	0.005266113	0.000304437	0.004100466
2270002048	0.011560038	0.011480874	0.000817639	0.008745387	0.005741787	0.000331936	0.004470852
2270002051	0.03969813	0.03942624	0.002807841	0.030032369	0.01971774	0.001139897	0.01535328
2270002054	0.001873038	0.00186021	0.00013248	0.00141699	0.000930324	5.37826E-05	0.000724398
2270002057	0.01487286	0.01477101	0.001051957	0.011251629	0.007387254	0.000427062	0.005752095
2270002060	0.05056539	0.050219099	0.003576483	0.03825369	0.02511543	0.00145194	0.01955622
2270002066	0.03075492	0.03054426	0.002175288	0.02326668	0.01527573	0.0008831	0.011894463
2270002069	0.046260271	0.04594347	0.003271977	0.03499677	0.02297712	0.001328323	0.01789116
2270002072	0.02111436	0.02096973	0.001493412	0.01597341	0.010487343	0.00060628	0.008165982
2270002075	0.004982421	0.004948296	0.000352406	0.00376929	0.00247473	0.000143066	0.001926951
2270002078	6.51605E-05	6.47143E-05	4.60879E-06	4.92951E-05	3.23647E-05	1.87103E-06	2.52008E-05
2270002081	0.004770759	0.004738086	0.000337435	0.003609165	0.002369601	0.000136988	0.001845093
2270003010	0.001092486	0.00197088	0.000734178	0.003422028	0.000410389	2.82053E-05	0.000988085
2270003020	0.0157692	0.02844804	0.010597284	0.049394399	0.005923644	0.00040712	0.01426224
2270003030	0.00688632	0.01242312	0.004627776	0.02157024	0.002586828	0.000177787	0.00622824
2270003040	0.006989844	0.01260984	0.004697352	0.0218946	0.00262572	0.00018046	0.006321876
2270003050	0.000269899	0.000486906	0.000181379	0.000845414	0.000101387	6.96811E-06	0.000244106

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2270003060	0.028103879	0.061561922	0.003840876	0.031404359	0.01632276	0.000554066	0.014622959
2270003070	0.009935016	0.017923079	0.006676572	0.031119841	0.00373206	0.000256496	0.008985588
2270004031	1.33192E-06	1.93215E-06	8.18497E-08	5.35744E-07	1.36416E-07	8.18497E-08	2.62911E-07
2270004036	0.00034623	0.000502257	3.61059E-05	0.000139265	3.54612E-05	5.15796E-06	6.8343E-05
2270004046	0.009189465	0.013330743	0.000564717	0.003696323	0.000941194	0.000564717	0.001813938
2270004056	0.001896801	0.0027516	0.000116563	0.000762959	0.000194272	0.000116563	0.000374415
2270004066	0.012502914	0.01813731	0.000768335	0.005029098	0.001280552	0.000768335	0.002467983
2270004071	0.0014747	0.002139271	9.06237E-05	0.000593174	0.00015104	9.06237E-05	0.000291095
2270004076	3.49277E-05	5.0668E-05	2.1464E-06	1.40492E-05	3.57733E-06	2.1464E-06	6.89449E-06
2270005010	1.28991E-06	1.14254E-08	1.71034E-07	1.75592E-06	1.06246E-06	4.06942E-08	3.36989E-06
2270005015	0.056950768	0.000504444	0.007551318	0.077525521	0.046908825	0.00179669	0.148784279
2270005020	0.005112618	4.52852E-05	0.000677902	0.006959676	0.004211126	0.000161293	0.013356726
2270005025	2.86327E-05	2.53615E-07	3.79652E-06	3.89769E-05	2.3584E-05	9.03306E-07	7.48029E-05
2270005030	5.6435E-06	4.99876E-08	7.48294E-07	7.68237E-06	4.6484E-06	1.78042E-07	1.47437E-05
2270005035	0.000434155	3.84555E-06	5.75663E-05	0.000591004	0.000357602	1.36967E-05	0.001134232
2270005040	6.93594E-07	6.14354E-09	9.19664E-08	9.4417E-07	5.71294E-07	2.18815E-08	1.81202E-06
2270005045	0.000401438	3.55576E-06	5.32282E-05	0.000546467	0.000330654	1.26646E-05	0.001048756
2270005055	0.001112832	9.85698E-06	0.000147555	0.001514873	0.00091661	3.51078E-05	0.002907279
2270005060	0.000817249	7.23882E-06	0.000108362	0.0011125	0.000673146	2.57826E-05	0.002135064
2270006005	0.01639752	0.036034081	0.002024388	0.01670124	0.006073164	0.000101219	0.006427428
2270006010	0.003868008	0.008500068	0.000477532	0.003939636	0.001432596	2.38766E-05	0.001516164
2270006015	0.010720476	0.023558641	0.001323516	0.010919004	0.003970548	6.61758E-05	0.00420216
2270006020	0	0	0	0	0	0	0
2270006025	0.005465736	0.01201116	0.000674783	0.005566956	0.002024352	3.37392E-05	0.002142432
2270006030	0.000524522	0.001152654	6.47558E-05	0.000534236	0.000194268	3.23779E-06	0.0002056
2270006035	0.00046507	0.001022005	5.7416E-05	0.000473682	0.000172248	2.8708E-06	0.000182296
2270007010	0	0	0	0	0	0	0
2270007015	0.002482368	8.59838E-05	0.01078032	0.001474284	0.005002776	0.005773752	0.0087369
2270008005	0.008308128	0	0	0.001223556	1.93018E-05	0	3.2729E-06
2270009010	0	0	0	0	0	0	0
2270010010	0.00051721	0.00051721	0	0.002275725	0.00051721	0.00051721	0
2282005010	0.154151217	0.031197267	0.016516167	0.104602595	0.036702649	0.014681046	0.003670265
2282005015	0.06127492	0.012400856	0.006565164	0.041579392	0.014589244	0.005835693	0.001458924
2282010005	0.07236112	0.014644494	0.007752969	0.273076648	0.017228796	0.006891525	0.00172288
2282020005	0.030487275	0.006170039	0.003266494	0.115053233	0.007258887	0.002903551	0.000725889

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2282020010	0.000131988	2.67118E-05	1.41415E-05	8.9563E-05	3.14256E-05	1.25703E-05	3.14256E-06
2285002015	0.002631984	0.000284046	0	0.001856184	0.001239564	0	0.000135186
2285004015	0.000256038	2.76319E-05	0	0.000180569	0.000120584	0	1.31508E-05
2285006015	0	0	0	0	0	0	0
Total	**1.391528563**	**1.530653836**	**0.228743103**	**1.524050475**	**0.539080511**	**0.433165551**	**0.585872025**

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2260001010	0.001206624	0	0.006033123	0	0.001206624	0.001206624	0
2260001020	0	0	0	0.018636059	0.037271999	0	0
2260001030	0.000969659	0	0.0048483	0	0.000969659	0.000969659	0
2260001060	0.000255773	0	0.001278867	0	0.000255773	0.000255773	0
2260002006	3.64632E-05	3.21532E-05	8.70736E-05	0.000142372	7.77698E-05	1.79117E-05	0.000174581
2260002009	2.05136E-06	1.80889E-06	4.89861E-06	8.00959E-06	4.3752E-06	1.00768E-06	9.82162E-06
2260002021	2.45014E-06	2.16052E-06	5.85088E-06	9.56663E-06	5.22572E-06	1.20357E-06	1.17309E-05
2260002027	1.75748E-08	1.54974E-08	4.19685E-08	6.86214E-08	3.74841E-08	8.6332E-09	8.41459E-08
2260002039	9.36327E-05	8.2565E-05	0.000223593	0.000365591	0.000199702	4.59947E-05	0.0004483
2260002054	4.68004E-07	4.12684E-07	1.11759E-06	1.82733E-06	9.98171E-07	2.29895E-07	2.24074E-06
2260003030	4.28923E-06	1.34734E-06	4.23786E-06	7.85396E-06	8.22745E-06	3.61717E-06	2.53673E-05
2260003040	3.41734E-07	1.07346E-07	3.37642E-07	6.25745E-07	6.55502E-07	2.88188E-07	2.02108E-06
2260004015	1.00606E-05	2.65677E-05	3.17381E-05	5.95019E-05	3.58866E-05	1.64247E-05	0.00016319
2260004016	7.17957E-05	7.17957E-05	0.000424248	6.09176E-05	7.17957E-05	7.17957E-05	0.000308939
2260004020	0.000136368	0.000360115	0.000430199	0.000806526	0.000486431	0.000222631	0.002211984
2260004021	0.000890208	0.000890208	0.00526032	0.000755328	0.000890208	0.000890208	0.003830592
2260004025	0.000188776	0.000498512	0.000595528	0.001116483	0.000673371	0.00030819	0.003062066
2260004026	0.000697642	0.000697642	0.004122429	0.000591938	0.000697642	0.000697642	0.003001973
2260004030	0.00012187	0.00032183	0.000384462	0.000720781	0.000434716	0.000198962	0.001976814
2260004031	0.000679114	0.000679114	0.004012948	0.000576218	0.000679114	0.000679114	0.00292225
2260004035	5.62509E-05	0.000137306	0.000173768	0.000307233	0.00018139	8.24163E-05	0.000777195
2260004036	0.000117601	0.000337464	0.000378369	0.000143167	0.000378369	0.000189185	0.00072606
2260004071	2.97549E-07	2.97549E-07	1.75824E-06	2.52466E-07	2.97549E-07	2.97549E-07	1.28036E-06
2260005035	1.32703E-05	1.32667E-05	2.01315E-05	2.4048E-05	1.28825E-05	1.45092E-05	5.25345E-06
2260006005	6.59126E-06	2.63651E-05	1.73021E-05	5.19062E-05	4.28432E-05	1.31825E-05	0.000215864
2260006010	4.37552E-05	0.000175021	0.000114858	0.000344573	0.00028441	8.75106E-05	0.00143298
2260006015	1.67676E-08	6.70703E-08	4.40149E-08	1.32044E-07	1.08989E-07	3.35352E-08	5.49138E-07
2260006035	2.60418E-07	1.04167E-06	6.83597E-07	2.05079E-06	1.69272E-06	5.20836E-07	8.52869E-06
2260007005	0.000369826	0.000130832	0.000602189	0.000355672	0.000486526	0.000405586	7.9511E-05
2265001010	0.000350376	0	0.001751878	0	0.000350376	0.000350376	0
2265001030	0.003343257	0	0.016716303	0	0.003343257	0.003343257	0
2265001050	0.002251705	0.002251705	0.003377556	0.005629263	0.004503414	0.002251705	0.014636098
2265001060	0.000210051	0	0.001050256	0	0.000210051	0.000210051	0
2265002003	2.04085E-05	1.79962E-05	4.87352E-05	7.96857E-05	4.35279E-05	1.00252E-05	9.77132E-05
2265002006	1.55258E-07	1.36906E-07	3.70754E-07	6.0621E-07	3.31139E-07	7.62667E-08	7.43354E-07

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2265002009	3.68543E-05	3.2498E-05	8.80073E-05	0.000143898	7.86037E-05	1.81037E-05	0.000176453
2265002015	3.57717E-05	3.15434E-05	8.54223E-05	0.000139672	7.6295E-05	1.75719E-05	0.00017127
2265002021	7.1946E-05	6.34417E-05	0.000171806	0.000280915	0.000153448	3.53417E-05	0.000344467
2265002024	2.94394E-05	2.59596E-05	7.03007E-05	0.000114947	6.27891E-05	1.44613E-05	0.000140952
2265002027	1.49647E-06	1.31958E-06	3.57355E-06	5.84302E-06	3.19172E-06	7.35104E-07	7.1649E-06
2265002030	6.26744E-05	5.52661E-05	0.000149666	0.000244714	0.000133674	3.07872E-05	0.000300076
2265002033	2.083E-05	1.83679E-05	4.97418E-05	8.13315E-05	4.44269E-05	1.02322E-05	9.97314E-05
2265002039	0.000128628	0.000113424	0.000307161	0.000502231	0.000274341	6.31852E-05	0.000615852
2265002042	6.4761E-05	5.71061E-05	0.000154648	0.000252861	0.000138124	3.18122E-05	0.000310067
2265002045	5.12926E-06	4.52297E-06	1.22486E-05	2.00273E-05	1.09398E-05	2.51962E-06	2.45582E-05
2265002054	8.36481E-06	7.37607E-06	1.99751E-05	3.26606E-05	1.78407E-05	4.109E-06	4.00495E-05
2265002057	8.10202E-06	7.14433E-06	1.93475E-05	3.16346E-05	1.72802E-05	3.97991E-06	3.87913E-05
2265002060	1.98251E-05	1.74817E-05	4.7342E-05	7.74077E-05	4.22836E-05	9.73859E-06	9.49199E-05
2265002066	4.26228E-05	3.75846E-05	0.000101782	0.000166422	9.09071E-05	2.09374E-05	0.000204072
2265002072	3.05287E-05	2.69201E-05	7.29019E-05	0.0001192	6.51124E-05	1.49964E-05	0.000146167
2265002078	1.01636E-05	8.96221E-06	2.42704E-05	3.96839E-05	2.16772E-05	4.99259E-06	4.86617E-05
2265002081	6.95702E-06	6.13468E-06	1.66133E-05	2.71639E-05	1.48381E-05	3.41746E-06	3.33092E-05
2265003010	0.000370153	0.000116273	0.00036572	0.000677784	0.000710016	0.000312156	0.002189148
2265003020	0.001240164	0.000389563	0.00122532	0.002270856	0.002378844	0.00104585	0.007334568
2265003030	0.000303516	9.53411E-05	0.000299881	0.000555766	0.000582194	0.00025596	0.001795044
2265003040	0.000523384	0.000164406	0.000517115	0.00095836	0.001003934	0.000441376	0.003095376
2265003050	2.61262E-05	8.20681E-06	2.58133E-05	4.78393E-05	5.01143E-05	2.20326E-05	0.000154514
2265003060	3.88506E-06	1.09674E-05	1.24147E-05	2.41322E-05	1.24099E-05	6.2052E-06	5.71758E-05
2265003070	0.000127999	4.02073E-05	0.000126467	0.000234378	0.000245524	0.000107944	0.00075701
2265004010	0.001209646	0.0031944	0.003816068	0.007154274	0.004314869	0.001974844	0.019621346
2265004011	0.001354389	0.001354389	0.008003202	0.001149182	0.001354389	0.001354389	0.005827977
2265004015	0.00010318	0.000272474	0.000325501	0.000610242	0.000368048	0.000168449	0.001673647
2265004016	0.000704445	0.000704445	0.004162632	0.000597711	0.000704445	0.000704445	0.003031247
2265004025	6.54404E-06	1.72813E-05	2.06444E-05	3.87037E-05	2.33429E-05	1.06837E-05	0.000106149
2265004026	3.2464E-05	3.2464E-05	0.000191833	2.75452E-05	3.2464E-05	3.2464E-05	0.000139693
2265004030	1.25861E-05	3.3237E-05	3.97052E-05	7.44385E-05	4.48952E-05	2.05478E-05	0.000204155
2265004031	0.001395603	0.001395603	0.008246724	0.001184147	0.001395603	0.001395603	0.006005322
2265004035	0.000144427	0.000352539	0.000446154	0.000788835	0.000465726	0.000211606	0.001995474
2265004036	0.000301947	0.000866454	0.000971478	0.000367587	0.000971478	0.000485739	0.001864185
2265004040	0.000246951	0.000652139	0.000779053	0.001460551	0.000880884	0.000403165	0.004005703

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FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2265004041	0.000157692	0.000157692	0.000931819	0.0001338	0.000157692	0.000157692	0.000678555
2265004046	0.000190836	0.000190836	0.001127664	0.000161921	0.000190836	0.000190836	0.000821171
2265004051	8.19144E-05	8.19144E-05	0.00048404	6.95032E-05	8.19144E-05	8.19144E-05	0.00035248
2265004055	0.003367122	0.008891784	0.010622229	0.019914315	0.012010662	0.005497086	0.054617011
2265004056	0.002178774	0.002178774	0.012874557	0.001848661	0.002178774	0.002178774	0.009375342
2265004066	0.0003736	0.0003736	0.002207637	0.000316995	0.0003736	0.0003736	0.001607614
2265004071	0.00672399	0.00672399	0.039732654	0.005705199	0.00672399	0.00672399	0.0289335
2265004075	0.000117224	0.000309561	0.000369805	0.000693303	0.000418143	0.000191377	0.001901451
2265004076	0.000218221	0.000218221	0.001289489	0.000185157	0.000218221	0.000218221	0.000939013
2265005010	2.30459E-05	2.30397E-05	3.49615E-05	4.1763E-05	2.23724E-05	2.51973E-05	9.12341E-06
2265005015	9.69842E-05	9.6958E-05	0.000147128	0.000175752	9.41501E-05	0.000106038	3.83941E-05
2265005020	6.38525E-07	6.38353E-07	9.68668E-07	1.15711E-06	6.19865E-07	6.98134E-07	2.52779E-07
2265005025	6.03457E-05	6.03295E-05	9.15467E-05	0.000109357	5.85823E-05	6.59793E-05	2.38897E-05
2265005030	1.98336E-05	1.98282E-05	3.00882E-05	3.59417E-05	1.9254E-05	2.16851E-05	7.85169E-06
2265005035	0.00020989	0.000209833	0.00031841	0.000380355	0.000203756	0.000229484	8.30911E-05
2265005040	0.000450669	0.000450548	0.000683681	0.000816686	0.000437499	0.000492741	0.000178411
2265005045	9.55825E-05	9.55568E-05	0.000145002	0.000173211	9.27891E-05	0.000104505	3.78392E-05
2265005055	0.000140487	0.00014045	0.000213124	0.000254586	0.000136381	0.000153603	5.56161E-05
2265005060	0.000170133	0.000170088	0.000258099	0.00030831	0.000165162	0.000186016	6.73524E-05
2265006005	0.001004152	0.004016604	0.002635896	0.007907688	0.00652698	0.002008308	0.032886
2265006010	0.000240911	0.000963642	0.00063239	0.001897164	0.001565916	0.00048182	0.00788982
2265006015	0.000129179	0.000516718	0.000339096	0.001017288	0.000839666	0.000258359	0.004230624
2265006025	0.000277334	0.001109339	0.000728004	0.002184012	0.001802676	0.000554669	0.009082716
2265006030	0.000434102	0.001736412	0.001139519	0.00341856	0.002821668	0.000868205	0.01421688
2265006035	2.03089E-05	8.12357E-05	5.3311E-05	0.000159932	0.000132008	4.06178E-05	0.000665118
2265007010	0.000544273	0.000192546	0.000886242	0.000523442	0.00071602	0.000596902	0.000117016
2265007015	5.70859E-06	2.01952E-06	9.29532E-06	5.49011E-06	7.50995E-06	6.26058E-06	1.22732E-06
2265008005	0	0	0	2.44868E-07	9.27004E-07	0	0
2265010010	0	0.000261869	0.000392804	0.01325058	0.001859271	0.000392804	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

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FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000126239	0	0.000631193	0	0.000126239	0.000126239	0
2270002003	0.000272034	0.000239879	0.000649613	0.001062163	0.000580202	0.00013363	0.001302459
2270002006	1.08901E-06	9.6029E-07	2.60055E-06	4.25209E-06	2.32268E-06	5.34951E-07	5.21405E-06
2270002009	7.32449E-06	6.45872E-06	1.74907E-05	2.85986E-05	1.56219E-05	3.59797E-06	3.50686E-05
2270002015	0.000680995	0.000600499	0.001626204	0.002658963	0.001452441	0.000334522	0.003260508
2270002018	0.00074026	0.000652759	0.001767726	0.002890362	0.001578846	0.000363634	0.003544257
2270002021	4.09089E-05	3.60734E-05	9.76898E-05	0.00015973	8.72518E-05	2.00955E-05	0.000195866
2270002024	2.52668E-05	2.22802E-05	6.03368E-05	9.8655E-05	5.38898E-05	1.24117E-05	0.000120974
2270002027	7.53237E-05	6.64202E-05	0.000179872	0.000294104	0.000160652	3.70009E-05	0.000360639
2270002030	0.00032306	0.000284873	0.000771462	0.001261397	0.000689031	0.000158695	0.001546767
2270002033	0.000278149	0.000245271	0.000664214	0.001086037	0.000593243	0.000136634	0.001331738
2270002036	0.00275958	0.002433396	0.006589836	0.010774872	0.005885721	0.001355576	0.013212483
2270002039	2.28599E-05	2.01578E-05	5.45891E-05	8.92571E-05	4.87563E-05	1.12294E-05	0.00010945
2270002042	1.08588E-05	9.57527E-06	2.59307E-05	4.23985E-05	2.316E-05	5.33412E-06	5.19904E-05
2270002045	0.000629898	0.000555442	0.001504185	0.002459451	0.001343464	0.000309422	0.003015861
2270002048	0.000686795	0.000605614	0.001640052	0.002681607	0.001464813	0.000337371	0.003288276
2270002051	0.00235851	0.002079723	0.005632077	0.009208863	0.005030295	0.001158558	0.011292216
2270002054	0.000111279	9.81257E-05	0.000265733	0.000434493	0.000237339	5.46631E-05	0.000532789
2270002057	0.000883615	0.000779169	0.002110059	0.003450099	0.001884597	0.000434053	0.004230621
2270002060	0.003004149	0.002649051	0.007173849	0.01172976	0.006407331	0.001475709	0.01438341
2270002066	0.00182718	0.001611204	0.004363281	0.007134282	0.003897066	0.000897557	0.008748288
2270002069	0.002748372	0.002423508	0.006563067	0.010731099	0.005861805	0.001350072	0.013158822
2270002072	0.001254424	0.001106149	0.002995548	0.004897941	0.002675478	0.000616205	0.006006015
2270002075	0.000296011	0.000261022	0.000706869	0.001155784	0.000631341	0.000145408	0.00141726
2270002078	3.87126E-06	3.41366E-06	9.24449E-06	1.51154E-05	8.25673E-06	1.90165E-06	1.8535E-05
2270002081	0.000283436	0.000249933	0.000676841	0.001106682	0.00060452	0.000139231	0.001357052
2270003010	0.000241038	7.57151E-05	0.000238151	0.000441361	0.000462349	0.00020327	0.00142554
2270003020	0.003479184	0.001092888	0.00343752	0.006370692	0.006673644	0.002934048	0.02057652
2270003030	0.001519344	0.000477258	0.001501152	0.002782044	0.002914344	0.001281276	0.008985648
2270003040	0.00154218	0.000484434	0.001523712	0.002823876	0.002958156	0.001300548	0.009120744
2270003050	5.95483E-05	1.87055E-05	5.88353E-05	0.000109038	0.000114224	5.0218E-05	0.00035218

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FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2270003060	0.001595028	0.004502712	0.005096928	0.009907584	0.005094924	0.002547576	0.023473799
2270003070	0.00219198	0.000688549	0.002165736	0.004013712	0.004204584	0.001848528	0.01296372
2270004031	8.18497E-08	8.18497E-08	4.83657E-07	6.94482E-08	8.18497E-08	8.18497E-08	3.52202E-07
2270004036	1.48292E-05	4.25532E-05	4.77111E-05	1.80529E-05	4.77111E-05	2.38556E-05	9.1554E-05
2270004046	0.000564717	0.000564717	0.00333696	0.000479154	0.000564717	0.000564717	0.002429989
2270004056	0.000116563	0.000116563	0.000688783	9.89023E-05	0.000116563	0.000116563	0.000501576
2270004066	0.000768335	0.000768335	0.004540155	0.000651919	0.000768335	0.000768335	0.003306166
2270004071	9.06237E-05	9.06237E-05	0.000535505	7.6893E-05	9.06237E-05	9.06237E-05	0.000389957
2270004076	2.1464E-06	2.1464E-06	1.26833E-05	1.82119E-06	2.1464E-06	2.1464E-06	9.23601E-06
2270005010	8.34383E-07	8.34158E-07	1.26579E-06	1.51204E-06	8.1E-07	9.12275E-07	3.30315E-07
2270005015	0.036838874	0.036828917	0.055885949	0.06675807	0.035762316	0.040277925	0.014583741
2270005020	0.003307121	0.003306233	0.005017023	0.005993046	0.003210476	0.003615856	0.001309223
2270005025	1.85211E-05	1.85162E-05	2.80973E-05	3.35634E-05	1.79799E-05	2.02502E-05	7.33216E-06
2270005030	3.65052E-06	3.64954E-06	5.53799E-06	6.61536E-06	3.54384E-06	3.99132E-06	1.44517E-06
2270005035	0.000280835	0.000280759	0.000426037	0.00050892	0.000272628	0.000307052	0.000111177
2270005040	4.48654E-07	4.48533E-07	6.80625E-07	8.13036E-07	4.35543E-07	4.90538E-07	1.77613E-07
2270005045	0.000259672	0.000259602	0.000393932	0.000470569	0.000252083	0.000283914	0.000102799
2270005055	0.000719842	0.000719648	0.001092027	0.001304471	0.000698806	0.000787041	0.000284971
2270005060	0.000528641	0.000528499	0.00080197	0.000957987	0.000513193	0.000577992	0.000209278
2270006005	0.000404878	0.001619508	0.001062804	0.003188412	0.002631708	0.000809755	0.01325976
2270006010	9.55064E-05	0.000382026	0.000250704	0.000752113	0.000620791	0.000191012	0.003127836
2270006015	0.000264703	0.001058813	0.000694846	0.002084532	0.001720572	0.000529406	0.008669028
2270006020	0	0	0	0	0	0	0
2270006025	0.000134957	0.000539826	0.000354262	0.001062784	0.000877218	0.000269914	0.004419828
2270006030	1.29511E-05	5.18047E-05	3.39968E-05	0.000101991	8.41826E-05	2.59024E-05	0.000424151
2270006035	1.14832E-05	4.59328E-05	3.01434E-05	9.04302E-05	7.46408E-05	2.29664E-05	0.000376075
2270007010	0	0	0	0	0	0	0
2270007015	0.006085416	0.002152824	0.009908916	0.00585252	0.008005692	0.006673848	0.001308336
2270008005	0	0	0	5.87443E-06	2.22389E-05	0	0
2270009010	0	0.252487505	0	0.01387125	0.000732007	0	0
2270010010	0	0.00051721	0.000775816	0.02617083	0.003672192	0.000775816	0
2282005010	0.001835132	0.009175656	0.071570017	0.022021604	0.007340536	0.009175656	0.027526986
2282005015	0.000729464	0.003647309	0.028449039	0.008753551	0.002917846	0.003647309	0.010941937
2282010005	0.000861442	0.004307204	0.033596186	0.010337284	0.003445759	0.004307204	0.0129216
2282020005	0.000362944	0.001814717	0.014154824	0.004355327	0.001451774	0.001814717	0.00544417

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FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2282020010	1.57128E-06	7.85641E-06	6.12801E-05	1.88554E-05	6.28513E-06	7.85641E-06	2.35692E-05
2285002015	0	0.001284036	0.00123714	0.00074047	1.59418E-05	0.00115482	0.000137452
2285004015	0	0.00012491	0.000120349	7.20325E-05	1.55081E-06	0.00011234	1.33712E-05
2285006015	0	0	0	0	0	0	0
Total	**0.122571853**	**0.393377809**	**0.45727023**	**0.391738083**	**0.250160977**	**0.1407388**	**0.548963502**

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FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2260001010	0.03499215	0.004826499	0.008446365	0.003619875	0.006033123	0.003619875	0.004826499
2260001020	0	0.018636059	0	0	0	0.01355349	0.037271999
2260001030	0.028120139	0.003878643	0.00678762	0.002908983	0.0048483	0.002908983	0.003878643
2260001060	0.007417446	0.001023093	0.001790413	0.00076732	0.001278867	0.00076732	0.001023093
2260002006	0.001142934	0.000126859	0.000450821	0.000888272	0.00040952	0.000160088	2.6829E-05
2260002009	6.42995E-05	7.13687E-06	2.53624E-05	4.99726E-05	2.30389E-05	9.00625E-06	1.50935E-06
2260002021	7.67991E-05	8.52425E-06	3.02928E-05	5.96871E-05	2.75176E-05	1.0757E-05	1.80276E-06
2260002027	5.5088E-07	6.11445E-08	2.17291E-07	4.28137E-07	1.97384E-07	7.71602E-08	1.29312E-08
2260002039	0.0029349	0.000325757	0.001157648	0.00228096	0.001051591	0.000411083	6.88932E-05
2260002054	1.46695E-05	1.62823E-06	5.78627E-06	1.14009E-05	5.25616E-06	2.05471E-06	3.44348E-07
2260003030	9.66394E-05	1.04213E-05	1.78247E-05	4.21303E-05	4.0097E-05	2.44823E-05	1.01645E-05
2260003040	7.6995E-06	8.30291E-07	1.42014E-06	3.35664E-06	3.19464E-06	1.95056E-06	8.09828E-07
2260004015	0.000324576	7.20559E-05	8.98085E-05	0.000222131	0.000252403	8.8005E-05	3.51379E-05
2260004016	0.001520765	5.43907E-05	0.000178401	0.001255335	0.000911589	6.96201E-05	4.78638E-05
2260004020	0.004399512	0.000976691	0.001217316	0.003010908	0.003421224	0.001192876	0.000476282
2260004021	0.0188562	0.0006744	0.002212032	0.0155652	0.011302944	0.000863232	0.000593472
2260004025	0.006090291	0.001352046	0.001685147	0.004168035	0.004736039	0.001651312	0.000659322
2260004026	0.014777316	0.000528516	0.001733533	0.012198141	0.00885792	0.000676501	0.000465094
2260004030	0.003931783	0.000872855	0.001087903	0.002690808	0.003057505	0.001066054	0.000425646
2260004031	0.014384835	0.000514481	0.001687499	0.011874216	0.008622702	0.000658535	0.000452743
2260004035	0.001493625	0.000325176	0.000408573	0.001067337	0.001178274	0.000430218	0.000176392
2260004036	0.00357405	0.000127828	0.000419274	0.00295026	0.00214239	0.000163619	0.000112488
2260004071	6.30263E-06	2.25416E-07	7.39364E-07	5.2026E-06	3.77797E-06	2.88532E-07	1.98366E-07
2260005035	9.6954E-05	1.53043E-05	3.10253E-05	2.15593E-05	9.49007E-06	2.43708E-05	4.07702E-06
2260006005	0.00055449	7.74474E-05	9.80452E-05	0.000438319	0.000306494	0.000112052	3.21324E-05
2260006010	0.003680916	0.000514124	0.00065086	0.002909724	0.002034624	0.00074384	0.000213307
2260006015	1.41058E-06	1.97018E-07	2.49418E-07	1.11504E-06	7.79692E-07	2.85049E-07	8.1742E-08
2260006035	2.19077E-05	3.05992E-06	3.87372E-06	1.73178E-05	1.21094E-05	4.4271E-06	1.26954E-06
2260007005	0.00015521	0.000124613	9.76181E-05	2.16286E-05	0.000190034	0.000574889	0.000388562
2265001010	0.010160913	0.001401505	0.002452633	0.001051129	0.001751878	0.001051129	0.001401505
2265001030	0.096954601	0.013373031	0.02340282	0.010029765	0.016716303	0.010029765	0.013373031
2265001050	0.012384381	0.006755112	0.007880958	0.01125852	0.018013641	0.001125852	0.004503414
2265001060	0.006091482	0.000840204	0.001470361	0.000630154	0.001050256	0.000630154	0.000840204
2265002003	0.000639702	7.10033E-05	0.000252326	0.000497167	0.000229209	8.96013E-05	1.50162E-05
2265002006	4.86654E-06	5.40158E-07	1.91957E-06	3.7822E-06	1.74371E-06	6.81643E-07	1.14236E-07

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FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2265002009	0.001155191	0.000128219	0.000455655	0.000897797	0.000413911	0.000161804	2.71167E-05
2265002015	0.001121258	0.000124453	0.000442271	0.000871426	0.000401754	0.000157051	2.63202E-05
2265002021	0.002255136	0.000250307	0.000889519	0.001752657	0.000808028	0.00031587	5.29366E-05
2265002024	0.000922772	0.000102422	0.00036398	0.000717165	0.000330635	0.00012925	2.1661E-05
2265002027	4.69067E-05	5.20637E-06	1.8502E-05	3.64552E-05	1.68069E-05	6.57009E-06	1.10108E-06
2265002030	0.001964517	0.00021805	0.000774888	0.001526793	0.000703898	0.000275164	4.61147E-05
2265002033	0.000652915	7.24697E-05	0.000257537	0.000507436	0.000233943	9.14519E-05	1.53264E-05
2265002039	0.004031814	0.000447509	0.001590315	0.00313347	0.001444623	0.000564725	9.46421E-05
2265002042	0.002029923	0.00022531	0.000800687	0.001577628	0.000727333	0.000284326	4.765E-05
2265002045	0.000160776	1.78452E-05	6.34167E-05	0.000124953	5.76069E-05	2.25194E-05	3.77401E-06
2265002054	0.000262194	2.9102E-05	0.00010342	0.000203773	9.39455E-05	3.67247E-05	6.15468E-06
2265002057	0.000253956	2.81877E-05	0.000100171	0.000197372	9.0994E-05	3.55709E-05	5.96132E-06
2265002060	0.000621415	6.89734E-05	0.000245112	0.000482955	0.000222657	8.70398E-05	1.4587E-05
2265002066	0.001336006	0.000148289	0.000526976	0.001038324	0.000478698	0.00018713	3.13611E-05
2265002072	0.000956915	0.000106212	0.000377448	0.000743701	0.000342868	0.000134032	2.24625E-05
2265002078	0.000318575	3.536E-05	0.000125659	0.000247592	0.000114147	4.46219E-05	7.47817E-06
2265002081	0.000218067	2.42041E-05	8.60147E-05	0.000169478	7.81346E-05	3.0544E-05	5.11885E-06
2265003010	0.00833982	0.000899341	0.001538244	0.003635784	0.003460308	0.00211278	0.000877176
2265003020	0.027941879	0.003013164	0.005153748	0.012181321	0.011593464	0.007078668	0.002938896
2265003030	0.00683844	0.000737436	0.00126132	0.002981244	0.002837364	0.001732416	0.000719261
2265003040	0.011792184	0.001271628	0.002175012	0.00514086	0.004892748	0.002987388	0.001240296
2265003050	0.000588641	6.34772E-05	0.000108572	0.000256621	0.000244236	0.000149124	6.19128E-05
2265003060	0.000129641	2.54171E-05	3.29488E-05	8.59537E-05	8.52622E-05	3.21868E-05	1.23216E-05
2265003070	0.002883912	0.000310992	0.000531925	0.001257252	0.001196576	0.0007306	0.000303328
2265004010	0.039025791	0.008663724	0.010798212	0.026708188	0.030347928	0.010581363	0.004224848
2265004011	0.028688409	0.001026054	0.003365452	0.02368131	0.017196651	0.00131335	0.000902925
2265004015	0.003328802	0.000738994	0.000921062	0.002278145	0.002588601	0.000902564	0.000360369
2265004016	0.014921421	0.00053367	0.001750436	0.012317127	0.008944329	0.000683098	0.00046963
2265004025	0.000211124	4.68695E-05	5.8417E-05	0.000144488	0.000164178	5.72438E-05	2.28559E-05
2265004026	0.000687646	2.45939E-05	8.06681E-05	0.000567627	0.000412194	3.14802E-05	2.16426E-05
2265004030	0.000406054	9.01438E-05	0.000112353	0.000277893	0.000315763	0.000110097	4.39586E-05
2265004031	0.029561398	0.001057274	0.003467861	0.024401898	0.017719929	0.001353313	0.0009304
2265004035	0.00383493	0.000834903	0.001049028	0.002740422	0.00302526	0.0011046	0.000452892
2265004036	0.00917652	0.000328203	0.001076502	0.00757491	0.00550065	0.000420099	0.000288818
2265004040	0.007967142	0.001768706	0.002204461	0.005452497	0.006195552	0.002160192	0.000862505

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FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2265004041	0.003340212	0.000119464	0.000391841	0.002757227	0.002002216	0.000152914	0.000105128
2265004046	0.004042245	0.000144573	0.000474198	0.003336737	0.002423032	0.000185053	0.000127224
2265004051	0.001735097	6.20564E-05	0.000203545	0.001432266	0.001040065	7.94323E-05	5.46097E-05
2265004055	0.108630421	0.024115956	0.030057452	0.074343808	0.084474989	0.029453842	0.011760114
2265004056	0.046150447	0.00165059	0.005413926	0.038095543	0.027663843	0.002112751	0.001452514
2265004066	0.007913529	0.000283031	0.000928341	0.00653235	0.004743597	0.00036228	0.000249067
2265004071	0.142426439	0.005093934	0.016708068	0.117567929	0.085374151	0.00652023	0.004482657
2265004075	0.003781891	0.000839579	0.001046427	0.002588224	0.002940944	0.001025415	0.000409419
2265004076	0.004622319	0.000165319	0.000542247	0.003815567	0.002770747	0.000211608	0.000145481
2265005010	0.000168375	2.65782E-05	5.38801E-05	3.74409E-05	1.64809E-05	4.23235E-05	7.08036E-06
2265005015	0.000708574	0.000111849	0.000226744	0.000157563	6.93569E-05	0.000178111	2.97964E-05
2265005020	4.66512E-06	7.36393E-07	1.49284E-06	1.03736E-06	4.56633E-07	1.17265E-06	1.96174E-07
2265005025	0.000440891	6.9595E-05	0.000141085	9.80392E-05	4.31555E-05	0.000110824	1.854E-05
2265005030	0.000144905	2.28734E-05	4.63698E-05	3.22221E-05	1.41837E-05	3.64241E-05	6.09343E-06
2265005035	0.001533468	0.00024206	0.000490711	0.000340992	0.0001501	0.00038546	6.44841E-05
2265005040	0.003292624	0.000519743	0.001053639	0.000732167	0.00032229	0.000827647	0.000138458
2265005045	0.000698333	0.000110233	0.000223466	0.000155285	6.83545E-05	0.000175536	2.93657E-05
2265005055	0.00102641	0.00016202	0.000328452	0.000228239	0.000100468	0.000258004	4.31618E-05
2265005060	0.001243011	0.00019621	0.000397763	0.000276403	0.000121668	0.000312448	5.22699E-05
2265006005	0.084474239	0.011798772	0.01493676	0.066776041	0.046693079	0.017070599	0.004895232
2265006010	0.02026656	0.002830692	0.003583548	0.0160206	0.011202336	0.00409548	0.001174439
2265006015	0.010867212	0.001517856	0.001921548	0.008590428	0.00600684	0.002196048	0.000629749
2265006025	0.023330761	0.003258684	0.004125348	0.018442799	0.01289604	0.004714692	0.001352004
2265006030	0.036518879	0.005100708	0.006457272	0.0288678	0.020185799	0.007379736	0.002116248
2265006035	0.001708488	0.00023863	0.000302095	0.00135054	0.000944365	0.000345252	9.9006E-05
2265007010	0.000228422	0.000183392	0.000143664	3.18308E-05	0.000279673	0.000846064	0.000571847
2265007015	2.39581E-06	1.9235E-06	1.50682E-06	3.33857E-07	2.93335E-06	8.87392E-06	5.9978E-06
2265008005	2.44868E-06	0	0	0.000343376	0.00013237	1.28032E-06	6.64644E-07
2265010010	0.000392804	0	0	0.000261869	0	0.000392804	0.003692352
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

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FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.003660921	0.000504955	0.00088367	0.000378716	0.000631193	0.000378716	0.000504955
2270002003	0.008526855	0.000946432	0.003363351	0.006626952	0.003055224	0.001194334	0.000200158
2270002006	3.4135E-05	3.78879E-06	1.34643E-05	2.65292E-05	1.22308E-05	4.78119E-06	8.01278E-07
2270002009	0.000229585	2.54826E-05	9.05579E-05	0.00017843	8.22616E-05	3.21573E-05	5.38923E-06
2270002015	0.02134566	0.002369244	0.008419626	0.01658955	0.007648278	0.002989827	0.000501064
2270002018	0.02320326	0.002575431	0.009152358	0.01803324	0.008313876	0.003250017	0.000544669
2270002021	0.001282285	0.000142326	0.000505787	0.000996573	0.00045945	0.000179606	3.01001E-05
2270002024	0.000791985	8.79057E-05	0.000312392	0.000615519	0.000283773	0.000110931	1.85909E-05
2270002027	0.002361006	0.000262058	0.000931281	0.001834941	0.000845963	0.0003307	5.54219E-05
2270002030	0.01012626	0.001123956	0.003994221	0.007869984	0.003628296	0.001418355	0.000237702
2270002033	0.008718525	0.000967705	0.003438951	0.006775911	0.003123897	0.00122118	0.000204657
2270002036	0.086498669	0.009600846	0.0341187	0.067225532	0.030993	0.012115614	0.002030454
2270002039	0.00071654	7.95318E-05	0.000282634	0.000556885	0.00025674	0.000100364	1.68199E-05
2270002042	0.000340367	3.77788E-05	0.000134255	0.000264529	0.000121956	4.76743E-05	7.98972E-06
2270002045	0.01974402	0.002191473	0.007787877	0.01534479	0.007074402	0.002765493	0.000463468
2270002048	0.02152743	0.002389422	0.008491338	0.01673085	0.007713417	0.003015291	0.000505331
2270002051	0.073927049	0.008205471	0.029159941	0.057455071	0.0264885	0.010354752	0.00173535
2270002054	0.003488028	0.000387151	0.001375826	0.002710842	0.00124978	0.000488558	8.18773E-05
2270002057	0.02769675	0.003074178	0.010924764	0.02152551	0.009923907	0.003879405	0.000650148
2270002060	0.09416445	0.010451694	0.0371424	0.07318326	0.03373968	0.013189371	0.0022104
2270002066	0.05727267	0.006356937	0.02259078	0.044511509	0.02052114	0.008022024	0.001344409
2270002069	0.086147251	0.009561843	0.03398007	0.066952379	0.03086703	0.01206642	0.002022201
2270002072	0.03931977	0.004364265	0.01550937	0.03055875	0.01408851	0.005507409	0.000922984
2270002075	0.009278409	0.00102985	0.003659796	0.007211049	0.00332451	0.001299605	0.0002178
2270002078	0.000121344	1.34684E-05	4.78631E-05	9.43067E-05	4.34782E-05	1.69963E-05	2.8484E-06
2270002081	0.008884251	0.0009861	0.003504324	0.00690471	0.003183282	0.001244391	0.000208547
2270003010	0.005430744	0.000585635	0.001001676	0.002367552	0.002253288	0.0013758	0.000571201
2270003020	0.078388441	0.008453172	0.014458439	0.034173841	0.032524441	0.01985856	0.00824484
2270003030	0.034231799	0.003691452	0.006313908	0.01492356	0.014203319	0.008672148	0.00360048
2270003040	0.034746481	0.003746952	0.00640884	0.01514784	0.014416799	0.008802528	0.003654612
2270003050	0.00134166	0.000144682	0.000247464	0.000584905	0.000556676	0.000339893	0.000141115

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2270003060	0.053224677	0.010435068	0.013527241	0.035288639	0.035004719	0.0132144	0.005058672
2270003070	0.049386838	0.005325732	0.009109188	0.0215304	0.02049132	0.012511441	0.005194476
2270004031	1.73372E-06	6.20074E-08	2.03384E-07	1.43113E-06	1.03924E-06	7.93694E-08	5.45665E-08
2270004036	0.000450678	1.61187E-05	5.28693E-05	0.000372018	0.000270149	2.06319E-05	1.41844E-05
2270004046	0.011961702	0.000427815	0.001403237	0.009873969	0.007170186	0.000547604	0.000376477
2270004056	0.002469027	8.83055E-05	0.000289642	0.002038094	0.001479998	0.000113031	7.77088E-05
2270004066	0.0162747	0.000582071	0.001909191	0.013434219	0.009755508	0.000745051	0.000512223
2270004071	0.00191958	6.86545E-05	0.000225187	0.001584545	0.001150647	8.78776E-05	6.0416E-05
2270004076	4.54646E-05	1.62606E-06	5.33347E-06	3.75294E-05	2.72527E-05	2.08135E-06	1.43093E-06
2270005010	6.09606E-06	9.6227E-07	1.95074E-06	1.35556E-06	5.96697E-07	1.53234E-06	2.56347E-07
2270005015	0.26914751	0.042485235	0.086127329	0.059849281	0.026344838	0.067654168	0.011317998
2270005020	0.024162045	0.003814007	0.007731876	0.005372823	0.002365042	0.006073488	0.001016043
2270005025	0.000135317	2.136E-05	4.33015E-05	3.00899E-05	1.32452E-05	3.40139E-05	5.69024E-06
2270005030	2.66711E-05	4.21005E-06	8.53475E-06	5.93073E-06	2.61062E-06	6.70415E-06	1.12155E-06
2270005035	0.002051802	0.000323879	0.000656577	0.000456251	0.000200835	0.00051575	8.62806E-05
2270005040	3.27791E-06	5.17421E-07	1.04893E-06	7.28895E-07	3.20849E-07	8.23949E-07	1.3784E-07
2270005045	0.001897187	0.000299472	0.0006071	0.000421869	0.000185701	0.000476885	7.97787E-05
2270005055	0.005259225	0.000830175	0.001682951	0.001169472	0.000514785	0.00132198	0.000221156
2270005060	0.003862291	0.000609667	0.001235938	0.000858842	0.00037805	0.000970845	0.000162414
2270006005	0.034060319	0.004757316	0.006022548	0.0269244	0.018826799	0.006882924	0.001973784
2270006010	0.00803448	0.0011222	0.001420656	0.00635118	0.004441044	0.001623612	0.000465594
2270006015	0.02226816	0.003110268	0.003937464	0.0176028	0.012308761	0.004499952	0.001290432
2270006020	0	0	0	0	0	0	0
2270006025	0.011353224	0.00158574	0.00200748	0.008974608	0.006275484	0.002294256	0.000657913
2270006030	0.001089517	0.000152177	0.000192649	0.000861253	0.00060223	0.00022017	6.31369E-05
2270006035	0.000966024	0.000134928	0.000170813	0.000763633	0.000533969	0.000195215	5.59806E-05
2270007010	0	0	0	0	0	0	0
2270007015	0.00255396	0.002050476	0.001606284	0.000355895	0.003126984	0.009459696	0.00639372
2270008005	5.87443E-05	0	0	0.008237628	0.003175548	3.07148E-05	1.59449E-05
2270009010	0	0	0	0	0	0	0
2270010010	0.000775816	0	0	0.00051721	0	0.000775816	0.00729267
2282005010	0.165161665	0.011010776	0.003670265	0.007340536	0.077075485	0.042208026	0.012845926
2282005015	0.065651644	0.004376778	0.001458924	0.002917846	0.030637431	0.016777623	0.005106238
2282010005	0.077529694	0.005168645	0.00172288	0.003445759	0.036180532	0.019813112	0.006030074
2282020005	0.032664943	0.002177661	0.000725889	0.001451774	0.015243666	0.008347706	0.002540607

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2282020010	0.000141415	9.42771E-06	3.14256E-06	6.28513E-06	6.59939E-05	3.61395E-05	1.0999E-05
2285002015	0.001271952	0.000783336	0.001091014	0.000374951	7.69002E-05	8.34474E-05	9.90404E-05
2285004015	0.000123734	7.62025E-05	0.000106133	3.64751E-05	7.48081E-06	8.11771E-06	9.63461E-06
2285006015	0	0	0	0	0	0	0
Total	**2.628840189**	**0.326066139**	**0.615886638**	**1.408491049**	**1.130051992**	**0.50013155**	**0.220179552**

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2260001010	0.008446365	0	0.024132498	0.019305969	0	0.004826499	0.003619875
2260001020	0.01355349	0	0	0	0	0	0
2260001030	0.00678762	0	0.019393182	0.015514572	0	0.003878643	0.002908983
2260001060	0.001790413	0	0.005115471	0.004092378	0	0.001023093	0.00076732
2260002006	0.00028447	8.45103E-05	0.000677376	0.001845417	3.16234E-05	0.000747799	0.000131063
2260002009	1.60038E-05	4.75441E-06	3.8108E-05	0.00010382	1.77908E-06	4.20699E-05	7.37335E-06
2260002021	1.91149E-05	5.67864E-06	4.55161E-05	0.000124002	2.12492E-06	5.02481E-05	8.80669E-06
2260002027	1.37111E-07	4.07329E-08	3.26487E-07	8.89469E-07	1.52421E-08	3.6043E-07	6.31705E-08
2260002039	0.000730482	0.000217011	0.001739412	0.004738782	8.12046E-05	0.001920249	0.000336551
2260002054	3.65117E-06	1.08469E-06	8.69409E-06	2.36859E-05	4.05884E-07	9.59796E-06	1.68218E-06
2260003030	1.7921E-05	1.15407E-05	1.089E-05	0.000109625	2.56091E-06	2.80716E-05	1.13063E-05
2260003040	1.42782E-06	9.19476E-07	8.67636E-07	8.73409E-06	2.04035E-07	2.23654E-06	9.00804E-07
2260004015	8.80826E-05	3.55076E-05	0.000103311	0.000532531	1.35617E-05	0.000199724	7.74428E-05
2260004016	8.92008E-05	7.17957E-05	0.000182753	0.005306352	7.17957E-05	0.000511273	0.000424248
2260004020	0.001193928	0.000481292	0.001400352	0.007218276	0.000183823	0.002707188	0.00104971
2260004021	0.001106016	0.000890208	0.002265984	0.065794442	0.000890208	0.00633936	0.00526032
2260004025	0.001652767	0.000666258	0.001938516	0.009992331	0.000254469	0.003747584	0.001453124
2260004026	0.000866766	0.000697642	0.001775813	0.051562048	0.000697642	0.004968053	0.004122429
2260004030	0.001066998	0.000430124	0.001251469	0.006450864	0.000164281	0.002419377	0.000938112
2260004031	0.000843748	0.000679114	0.001728656	0.05019273	0.000679114	0.004836114	0.004012948
2260004035	0.000410331	0.000170074	0.000573885	0.002457111	6.28206E-05	0.000887241	0.000351357
2260004036	0.000209637	0.000388596	0.000429501	0.01247085	0.000153393	0.001201578	0.000782304
2260004071	3.69682E-07	2.97549E-07	7.57398E-07	2.19916E-05	2.97549E-07	2.11891E-06	1.75824E-06
2260005035	2.82303E-05	1.62096E-05	4.58705E-06	8.28374E-06	6.94706E-06	1.97636E-05	2.60862E-05
2260006005	0.000100517	4.20193E-05	9.88691E-05	0.001485504	1.07108E-05	0.000252116	5.35541E-05
2260006010	0.000667268	0.00027894	0.000656329	0.009861348	7.11024E-05	0.00167364	0.000355512
2260006015	2.55706E-07	1.06893E-07	2.51514E-07	3.77899E-06	2.72473E-08	6.41359E-07	1.36236E-07
2260006035	3.97138E-06	1.66016E-06	3.90626E-06	5.86918E-05	4.23179E-07	9.96098E-06	2.1159E-06
2260007005	0.000279131	0.000263646	6.86353E-05	3.13528E-05	5.89382E-06	7.50691E-06	0.000108522
2265001010	0.002452633	0	0.00700752	0.005606016	0	0.001401505	0.001051129
2265001030	0.02340282	0	0.066865198	0.05349213	0	0.013373031	0.010029765
2265001050	0.0135102	0.001125852	0.010132689	0.058544341	0.003377556	0.010132689	0.003377556
2265001060	0.001470361	0	0.004201023	0.003360816	0	0.000840204	0.000630154
2265002003	0.000159219	4.73005E-05	0.000379129	0.001032885	1.76997E-05	0.000418545	7.33559E-05
2265002006	1.21126E-06	3.59839E-07	2.88423E-06	7.85767E-06	1.3465E-07	3.18408E-06	5.58056E-07

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2265002009	0.000287521	8.54165E-05	0.00068464	0.001865205	3.19625E-05	0.000755818	0.000132468
2265002015	0.000279076	8.29076E-05	0.00066453	0.001810419	3.10237E-05	0.000733617	0.000128577
2265002021	0.000561292	0.000166748	0.001336538	0.003641208	6.23964E-05	0.001475487	0.000258601
2265002024	0.000229674	6.82312E-05	0.000546894	0.001489935	2.55318E-05	0.000603751	0.000105816
2265002027	1.16748E-05	3.46835E-06	2.77999E-05	7.5737E-05	1.29784E-06	3.06901E-05	5.37888E-06
2265002030	0.000488958	0.000145259	0.001164301	0.003171972	5.43554E-05	0.001285344	0.000225275
2265002033	0.000162507	4.82775E-05	0.00038696	0.001054217	1.80652E-05	0.000427189	7.4871E-05
2265002039	0.001003499	0.000298119	0.002389515	0.006509898	0.000111555	0.002637936	0.000462336
2265002042	0.000505238	0.000150096	0.001203063	0.003277578	5.61652E-05	0.001328136	0.000232775
2265002045	4.00163E-05	1.1888E-05	9.52861E-05	0.000259594	4.44844E-06	0.000105192	1.84365E-05
2265002054	6.52587E-05	1.9387E-05	0.000155393	0.000423346	7.25453E-06	0.000171548	3.00662E-05
2265002057	6.32084E-05	1.87779E-05	0.000150511	0.000410046	7.02661E-06	0.000166158	2.91216E-05
2265002060	0.000154667	4.59484E-05	0.000368291	0.001003356	1.71937E-05	0.00040658	7.12588E-05
2265002066	0.000332525	9.87862E-05	0.000791802	0.002157153	3.69653E-05	0.000874121	0.000153202
2265002072	0.000238172	7.07558E-05	0.00056713	0.001545066	2.64765E-05	0.000626091	0.000109731
2265002078	7.92918E-05	2.35559E-05	0.000188809	0.000514381	8.81453E-06	0.000208437	3.65316E-05
2265002081	5.42757E-05	1.61242E-05	0.00012924	0.000352097	6.0336E-06	0.000142677	2.50061E-05
2265003010	0.00154656	0.000995942	0.000939792	0.00946044	0.000221003	0.002422536	0.000975718
2265003020	0.0051816	0.003336816	0.003148692	0.031696321	0.000740449	0.008116476	0.003269052
2265003030	0.001268136	0.000816647	0.000770605	0.007757316	0.000181217	0.001986408	0.000800063
2265003040	0.002186772	0.001408224	0.001328832	0.01337664	0.000312488	0.003425364	0.001379628
2265003050	0.000109159	7.02956E-05	6.63324E-05	0.000667736	1.55988E-05	0.000170987	6.88681E-05
2265003060	3.24593E-05	1.26E-05	4.04177E-05	0.00020708	4.92689E-06	7.41368E-05	2.53247E-05
2265003070	0.000534799	0.000344398	0.00032498	0.003271428	7.64227E-05	0.000837713	0.000337404
2265004010	0.010590696	0.004269292	0.012421782	0.06402948	0.001630601	0.024014043	0.009311427
2265004011	0.001682728	0.001354389	0.003447536	0.100101838	0.001354389	0.009644913	0.008003202
2265004015	0.000903361	0.00036416	0.001059543	0.00546156	0.000139086	0.002048339	0.000794242
2265004016	0.00087522	0.000704445	0.001793135	0.052064879	0.000704445	0.005016504	0.004162632
2265004025	5.72944E-05	2.30963E-05	6.72001E-05	0.000346391	8.82134E-06	0.000129913	5.03736E-05
2265004026	4.0334E-05	3.2464E-05	8.26354E-05	0.002399378	3.2464E-05	0.000231183	0.000191833
2265004030	0.000110194	4.4421E-05	0.000129245	0.000666211	1.6966E-05	0.00024986	9.68833E-05
2265004031	0.001733929	0.001395603	0.003552444	0.10314774	0.001395603	0.009938382	0.008246724
2265004035	0.00105354	0.000436671	0.001473468	0.00630873	0.000161294	0.002278026	0.000902124
2265004036	0.000538251	0.000997734	0.001102758	0.0320193	0.000393843	0.00308511	0.002008596
2265004040	0.002162101	0.000871579	0.002535906	0.013071675	0.000332889	0.004902483	0.001900931

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FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2265004041	0.000195921	0.000157692	0.000401399	0.011654883	0.000157692	0.001122962	0.000931819
2265004046	0.000237099	0.000190836	0.000485764	0.014104536	0.000190836	0.001358984	0.001127664
2265004051	0.000101773	8.19144E-05	0.000208509	0.006054222	8.19144E-05	0.000583331	0.00048404
2265004055	0.02947985	0.011883792	0.034576634	0.178229578	0.004538878	0.066844439	0.025918851
2265004056	0.002706968	0.002178774	0.005545971	0.161031153	0.002178774	0.015515493	0.012874557
2265004066	0.000464171	0.0003736	0.000950982	0.027612487	0.0003736	0.00266049	0.002207637
2265004071	0.008354046	0.00672399	0.017115615	0.49696386	0.00672399	0.047882961	0.039732654
2265004075	0.001026319	0.000413727	0.00120376	0.006204936	0.000158018	0.002327137	0.000902346
2265004076	0.000271123	0.000218221	0.000555472	0.016128519	0.000218221	0.001554	0.001289489
2265005010	4.90262E-05	2.81504E-05	7.9661E-06	1.4386E-05	1.20646E-05	3.43224E-05	4.53025E-05
2265005015	0.000206318	0.000118466	3.35239E-05	6.05406E-05	5.07716E-05	0.00014444	0.000190647
2265005020	1.35835E-06	7.79955E-07	2.20715E-07	3.98588E-07	3.34271E-07	9.50959E-07	1.25519E-06
2265005025	0.000128375	7.37119E-05	2.08593E-05	3.76697E-05	3.15913E-05	8.98733E-05	0.000118625
2265005030	4.21925E-05	2.42265E-05	6.85573E-06	1.23807E-05	1.03829E-05	2.95382E-05	3.89879E-05
2265005035	0.000446504	0.000256379	7.2551E-05	0.00013102	0.000109878	0.00031259	0.000412591
2265005040	0.000958723	0.000550489	0.00015578	0.000281322	0.000235927	0.000671185	0.000885904
2265005045	0.000203335	0.000116753	3.30393E-05	5.96656E-05	5.00378E-05	0.000142352	0.000187892
2265005055	0.000298863	0.000171604	4.85613E-05	8.76966E-05	7.35457E-05	0.000209229	0.000276164
2265005060	0.00036193	0.000207817	5.88088E-05	0.000106203	8.90656E-05	0.000253381	0.000334441
2265006005	0.015313319	0.00640146	0.01506228	0.226310402	0.001631748	0.038408761	0.008158728
2265006010	0.003673884	0.001535808	0.003613656	0.054295203	0.00039148	0.009214824	0.001957392
2265006015	0.00196998	0.000823518	0.001937688	0.0291138	0.000209916	0.004941108	0.001049582
2265006025	0.004229352	0.001768008	0.004160016	0.062504282	0.000450668	0.010608048	0.002253348
2265006030	0.006620064	0.002767404	0.006511536	0.097835876	0.000705416	0.016604399	0.003527076
2265006035	0.000309712	0.000129469	0.000304634	0.004577124	3.3002E-05	0.000776816	0.00016501
2265007010	0.000410796	0.000388007	0.000101011	4.61419E-05	8.67395E-06	1.10479E-05	0.000159713
2265007015	4.30862E-06	4.0696E-06	1.05945E-06	4.83959E-07	9.09764E-08	1.15876E-07	1.67514E-06
2265008005	6.7164E-07	0	2.09887E-07	3.10984E-06	0	0	0
2265010010	0.001466469	0	0	0.001885455	0	0.000392804	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.00088367	0	0.00252477	0.002019821	0	0.000504955	0.000378716
2270002003	0.002122296	0.000630489	0.005053569	0.013767714	0.000235926	0.005578956	0.000977791
2270002006	8.49603E-06	2.52399E-06	2.02306E-05	5.51154E-05	9.44467E-07	2.23339E-05	3.91432E-06
2270002009	5.71425E-05	1.69759E-05	0.000136067	0.000370695	6.35229E-06	0.000150213	2.63269E-05
2270002015	0.005312829	0.00157833	0.012650787	0.034465349	0.000590605	0.01396602	0.002447745
2270002018	0.005775189	0.001715688	0.013751763	0.03746478	0.000642003	0.01518144	0.002660769
2270002021	0.000319154	9.48141E-05	0.000759964	0.002070414	3.5479E-05	0.000838973	0.000147042
2270002024	0.000197121	5.85605E-05	0.000469381	0.001278766	2.19131E-05	0.00051818	9.08184E-05
2270002027	0.000587644	0.000174577	0.001399284	0.003812157	6.53258E-05	0.001544763	0.000270742
2270002030	0.002520375	0.000748751	0.006001473	0.01635018	0.00028018	0.00662541	0.001161197
2270002033	0.002169999	0.000644661	0.005167161	0.0140772	0.000241229	0.005704356	0.000999769
2270002036	0.02152908	0.006395847	0.051264691	0.139663501	0.002393298	0.05659437	0.009918966
2270002039	0.000178343	5.29821E-05	0.000424668	0.001156949	1.98257E-05	0.000468818	8.2167E-05
2270002042	8.47158E-05	2.51673E-05	0.000201724	0.000549568	9.41749E-06	0.000222696	3.90306E-05
2270002045	0.004914195	0.001459902	0.011701599	0.03187932	0.00054629	0.012918147	0.002264088
2270002048	0.005358081	0.001591773	0.012758529	0.0347589	0.000595635	0.01408494	0.002468595
2270002051	0.01840005	0.005466279	0.04381395	0.11936499	0.00204546	0.048369	0.008477355
2270002054	0.000868153	0.00025791	0.002067228	0.005631876	9.65089E-05	0.002282148	0.000399979
2270002057	0.006893583	0.002047938	0.01641489	0.044720071	0.000766331	0.01812147	0.003176037
2270002060	0.02343705	0.006962664	0.05580792	0.1520412	0.002605398	0.061609919	0.010798002
2270002066	0.01425489	0.00423483	0.03394347	0.092474309	0.001584657	0.03747243	0.006567567
2270002069	0.02144166	0.006369861	0.051056399	0.139096289	0.002383575	0.056364421	0.009878667
2270002072	0.009786495	0.002907363	0.02330346	0.063486961	0.001087924	0.02572617	0.004508874
2270002075	0.002309352	0.00068606	0.005498988	0.01498119	0.000256721	0.00607068	0.001063973
2270002078	3.02019E-05	8.97235E-06	7.19162E-05	0.000195926	3.35741E-06	7.93929E-05	1.39147E-05
2270002081	0.002211249	0.000656915	0.005265381	0.01434477	0.000245815	0.005812788	0.001018774
2270003010	0.001007089	0.00064854	0.000611975	0.006160464	0.000143912	0.001577508	0.000635369
2270003020	0.01453656	0.009361164	0.00883338	0.08892156	0.002077272	0.02277012	0.00917106
2270003030	0.006348024	0.004087968	0.003857496	0.038831519	0.000907132	0.009943572	0.004004952
2270003040	0.00644346	0.004149432	0.00391548	0.039415321	0.00092077	0.010093068	0.004065168
2270003050	0.000248802	0.000160222	0.000151189	0.001521948	3.55537E-05	0.000389724	0.000156968

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2270003060	0.01332624	0.005172996	0.016593601	0.085017962	0.002022756	0.03043716	0.010397148
2270003070	0.009158412	0.005897784	0.005565276	0.056022959	0.001308732	0.01434576	0.005778012
2270004031	1.01692E-07	8.18497E-08	2.08345E-07	6.04943E-06	8.18497E-08	5.82869E-07	4.83657E-07
2270004036	2.64346E-05	4.90008E-05	5.41587E-05	0.001572537	1.93424E-05	0.000151515	9.86463E-05
2270004046	0.000701617	0.000564717	0.001437462	0.041737677	0.000564717	0.004021463	0.00333696
2270004056	0.000144821	0.000116563	0.000296707	0.008615076	0.000116563	0.000830072	0.000688783
2270004066	0.000954595	0.000768335	0.001955761	0.056786819	0.000768335	0.005471469	0.004540155
2270004071	0.000112593	9.06237E-05	0.000230679	0.006697929	9.06237E-05	0.000645352	0.000535505
2270004076	2.66674E-06	2.1464E-06	5.46355E-06	0.000158638	2.1464E-06	1.52849E-05	1.26833E-05
2270005010	1.77501E-06	1.01919E-06	2.88415E-07	5.20848E-07	4.36803E-07	1.24265E-06	1.64019E-06
2270005015	0.07836834	0.044998406	0.012733836	0.02299599	0.019285265	0.054864418	0.072416158
2270005020	0.007035336	0.004039624	0.001143147	0.002064409	0.001731289	0.004925316	0.006500991
2270005025	3.94007E-05	2.26235E-05	6.40208E-06	1.15615E-05	9.69592E-06	2.75837E-05	3.64081E-05
2270005030	7.76589E-06	4.45909E-06	1.26185E-06	2.27877E-06	1.91106E-06	5.43676E-06	7.17604E-06
2270005035	0.000597429	0.000343038	9.70743E-05	0.000175306	0.000147018	0.00041825	0.000552053
2270005040	9.54436E-07	5.48028E-07	1.55083E-07	2.80064E-07	2.34873E-07	6.68185E-07	8.81945E-07
2270005045	0.000552408	0.000317188	8.9759E-05	0.000162096	0.000135939	0.000386732	0.000510451
2270005055	0.001531342	0.000879283	0.000248823	0.000449348	0.00037684	0.001072067	0.001415031
2270005060	0.001124596	0.000645732	0.000182731	0.000329994	0.000276746	0.00078731	0.001039178
2270006005	0.006174384	0.002581092	0.006073164	0.091249321	0.000657926	0.0154866	0.003289632
2270006010	0.001456476	0.000608854	0.001432596	0.021524759	0.000155198	0.003653124	0.00077599
2270006015	0.004036728	0.001687488	0.003970548	0.05965752	0.000430142	0.010124904	0.002150712
2270006020	0	0	0	0	0	0	0
2270006025	0.002058084	0.000860348	0.002024352	0.0304158	0.000219305	0.005162088	0.001096523
2270006030	0.000197506	8.25637E-05	0.000194268	0.002918868	2.10456E-05	0.000495383	0.000105228
2270006035	0.000175118	7.32054E-05	0.000172248	0.002588028	1.86602E-05	0.000439232	9.33011E-05
2270007010	0	0	0	0	0	0	0
2270007015	0.004593048	0.00433824	0.001129381	0.000515905	9.69818E-05	0.000123526	0.00178572
2270008005	1.61128E-05	0	5.03522E-06	7.46053E-05	0	0	0
2270009010	0	0	0	0	0	0	0.001187205
2270010010	0.00289638	0	0	0.003723912	0	0.000775816	0
2282005010	0.05138369	0.012845926	0.042208026	0.020186421	0.007340536	0.016516167	0.082580953
2282005015	0.020424954	0.005106238	0.016777623	0.008024078	0.002917846	0.006565164	0.032825824
2282010005	0.024120303	0.006030074	0.019813112	0.00947584	0.003445759	0.007752969	0.038764844
2282020005	0.010162417	0.002540607	0.008347706	0.003992384	0.001451774	0.003266494	0.016332486

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FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2282020010	4.39959E-05	1.0999E-05	3.61395E-05	1.72841E-05	6.28513E-06	1.41415E-05	7.07077E-05
2285002015	3.47503E-05	0.00168216	3.93217E-06	0.000560557	2.16754E-05	0.000169412	0.00011936
2285004015	3.3805E-06	0.000163639	3.8252E-07	5.45308E-05	2.10857E-06	1.64804E-05	1.16113E-05
2285006015	0	0	0	0	0	0	0
Total	**0.6176503**	**0.228756496**	**0.812274815**	**3.955039159**	**0.098216139**	**1.012304161**	**0.568766759**

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2260001010	0.006033123	0.004826499	0.016892718	0.001206624	0.006033123	0	0.00965298
2260001020	0	0	0	0.093180299	0	0	0.02202444
2260001030	0.0048483	0.003878643	0.013575249	0.000969659	0.0048483	0	0.007757274
2260001060	0.001278867	0.001023093	0.00358083	0.000255773	0.001278867	0	0.002046184
2260002006	3.43878E-05	0.001939647	0.000332957	5.62318E-05	0.000125068	3.81523E-05	0.000143293
2260002009	1.9346E-06	0.000109121	1.87316E-05	3.16351E-06	7.03614E-06	2.14638E-06	8.06143E-06
2260002021	2.31067E-06	0.000130334	2.23729E-05	3.77848E-06	8.40394E-06	2.56363E-06	9.62854E-06
2260002027	1.65745E-08	9.34886E-07	1.60481E-07	2.7103E-08	6.02816E-08	1.8389E-08	6.90656E-08
2260002039	8.83032E-05	0.004980747	0.000854987	0.000144395	0.000321159	9.79699E-05	0.000367958
2260002054	4.41365E-07	2.48952E-05	4.27348E-06	7.21732E-07	1.60525E-06	4.89682E-07	1.83916E-06
2260003030	1.90811E-06	7.27715E-05	8.251E-07	2.23024E-06	2.20134E-05	1.04117E-05	9.72569E-06
2260003040	1.52024E-07	5.79788E-06	6.57378E-08	1.77688E-07	1.75386E-06	8.29524E-07	7.7487E-07
2260004015	3.14085E-05	0.00107134	3.81305E-05	1.31991E-05	0.000124259	2.69185E-05	5.81717E-05
2260004016	7.17957E-05	0.000757117	7.17957E-05	7.17957E-05	4.35125E-05	0.000424248	6.74445E-05
2260004020	0.00042573	0.014521679	0.000516845	0.000178909	0.001684284	0.000364871	0.000788495
2260004021	0.000890208	0.009387648	0.000890208	0.000890208	0.00053952	0.00526032	0.000836256
2260004025	0.000589343	0.020102433	0.000715473	0.000247666	0.002331573	0.000505094	0.001091523
2260004026	0.000697642	0.007356945	0.000697642	0.000697642	0.000422813	0.004122429	0.00065536
2260004030	0.000380469	0.012977775	0.000461896	0.000159889	0.001505219	0.00032608	0.000704667
2260004031	0.000679114	0.007161567	0.000679114	0.000679114	0.000411584	0.004012948	0.000637956
2260004035	0.000156392	0.00535008	0.000289493	0.00010014	0.000552717	0.000122879	0.000305307
2260004036	0.00036303	0.00177936	0.000414162	0.000153393	0.000102262	0.000317013	0.000158506
2260004071	2.97549E-07	3.13779E-06	2.97549E-07	2.97549E-07	1.80333E-07	1.75824E-06	2.79516E-07
2260005035	2.26031E-05	1.48882E-07	8.11047E-07	1.09861E-05	2.07164E-05	1.91404E-05	3.16432E-05
2260006005	2.05978E-05	0.001069433	2.05978E-05	9.063E-06	9.55734E-05	3.13085E-05	6.59126E-05
2260006010	0.000136735	0.007099296	0.000136735	6.01636E-05	0.000634452	0.000207838	0.000437552
2260006015	5.23987E-08	2.72054E-06	5.23987E-08	2.30554E-08	2.4313E-07	7.96459E-08	1.67676E-07
2260006035	8.13806E-07	4.22528E-05	8.13806E-07	3.58075E-07	3.77606E-06	1.23698E-06	2.60418E-06
2260007005	0.000368104	2.63992E-06	9.76622E-05	0.001260876	0.00039475	0.000214325	0.000531898
2265001010	0.001751878	0.001401505	0.004905258	0.000350376	0.001751878	0	0.002803002
2265001030	0.016716303	0.013373031	0.04680561	0.003343257	0.016716303	0	0.02674605
2265001050	0.001125852	0.014636098	0.002251705	0.001125852	0.009006819	0.005629263	0.010132689
2265001060	0.001050256	0.000840204	0.002940711	0.000210051	0.001050256	0	0.00168041
2265002003	1.92469E-05	0.001085624	0.000186357	3.14731E-05	7.00011E-05	2.13539E-05	8.02015E-05
2265002006	1.46421E-07	8.25889E-06	1.41771E-06	2.39431E-07	5.32534E-07	1.6245E-07	6.10133E-07

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2265002009	3.47565E-05	0.001960443	0.000336527	5.68347E-05	0.00012641	3.85614E-05	0.00014483
2265002015	3.37356E-05	0.001902858	0.000326642	5.51654E-05	0.000122697	3.74287E-05	0.000140575
2265002021	6.78508E-05	0.00382713	0.00065696	0.000110951	0.000246774	7.52786E-05	0.000282733
2265002024	2.77637E-05	0.001566015	0.00026882	4.53999E-05	0.000100977	3.08031E-05	0.000115691
2265002027	1.4113E-06	7.96042E-05	1.36647E-05	2.30779E-06	5.13289E-06	1.56579E-06	5.88083E-06
2265002030	5.9107E-05	0.003333933	0.000572298	9.66533E-05	0.000214972	6.55776E-05	0.000246298
2265002033	1.96444E-05	0.001108047	0.000190205	3.21231E-05	7.14469E-05	2.1795E-05	8.1858E-05
2265002039	0.000121307	0.006842301	0.001174538	0.000198363	0.000441192	0.000134586	0.000505481
2265002042	6.10748E-05	0.003444936	0.000591352	9.98712E-05	0.00022213	6.77609E-05	0.000254498
2265002045	4.8373E-06	0.000272849	4.68368E-05	7.91009E-06	1.75933E-05	5.36686E-06	2.01569E-05
2265002054	7.88869E-06	0.000444962	7.63816E-05	1.28998E-05	2.86912E-05	8.75229E-06	3.2872E-05
2265002057	7.64085E-06	0.000430983	7.39819E-05	1.24945E-05	2.77898E-05	8.47732E-06	3.18393E-05
2265002060	1.86967E-05	0.001054587	0.000181029	3.05733E-05	6.79999E-05	2.07434E-05	7.79087E-05
2265002066	4.01967E-05	0.002267301	0.000389201	6.57307E-05	0.000146196	4.45972E-05	0.000167499
2265002072	2.8791E-05	0.00162396	0.000278766	4.70798E-05	0.000104713	3.19428E-05	0.000119971
2265002078	9.58506E-06	0.000540646	9.28065E-05	1.56737E-05	3.48609E-05	1.06344E-05	3.99407E-05
2265002081	6.56103E-06	0.000370076	6.35266E-05	1.07288E-05	2.38625E-05	7.27929E-06	2.73397E-05
2265003010	0.000164666	0.006280056	7.12048E-05	0.000192466	0.00189972	0.00089851	0.000839311
2265003020	0.000551701	0.0210408	0.000238565	0.000644838	0.006364836	0.00301038	0.002812032
2265003030	0.000135023	0.005149476	5.8386E-05	0.000157817	0.00155772	0.000736754	0.000688213
2265003040	0.000232832	0.008879748	0.000100681	0.000272138	0.002686128	0.001270452	0.001186753
2265003050	1.16225E-05	0.000443258	5.02577E-06	1.35846E-05	0.000134086	6.34186E-05	5.92403E-05
2265003060	1.19022E-05	0.000402731	1.35677E-05	4.9212E-06	4.03156E-05	1.02747E-05	2.15737E-05
2265003070	5.69418E-05	0.00217164	2.46227E-05	6.65545E-05	0.000656923	0.000310705	0.000290234
2265004010	0.003776431	0.128813549	0.004584657	0.001587009	0.014940381	0.003236581	0.006994323
2265004011	0.001354389	0.014282667	0.001354389	0.001354389	0.000820842	0.008003202	0.001272305
2265004015	0.000322121	0.010987494	0.00039106	0.000135368	0.001274379	0.000276073	0.000596599
2265004016	0.000704445	0.007428696	0.000704445	0.000704445	0.000426936	0.004162632	0.000661752
2265004025	2.043E-05	0.000696866	2.48024E-05	8.58552E-06	8.08257E-05	1.75095E-05	3.78384E-05
2265004026	3.2464E-05	0.000342347	3.2464E-05	3.2464E-05	1.96751E-05	0.000191833	3.04965E-05
2265004030	3.92929E-05	0.001340278	4.77022E-05	1.65124E-05	0.000155451	3.36758E-05	7.27743E-05
2265004031	0.001395603	0.01471725	0.001395603	0.001395603	0.00084582	0.008246724	0.00131102
2265004035	0.000401541	0.013736551	0.000743286	0.000257114	0.00141912	0.000315495	0.000783885
2265004036	0.000932094	0.00456858	0.001063374	0.000393843	0.000262562	0.000813939	0.000406971
2265004040	0.000770963	0.026297445	0.00093596	0.000323989	0.003050094	0.00066075	0.001427894

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2265004041	0.000157692	0.001662936	0.000157692	0.000157692	9.55711E-05	0.000931819	0.000148135
2265004046	0.000190836	0.002012452	0.000190836	0.000190836	0.000115658	0.001127664	0.00017927
2265004051	8.19144E-05	0.000863826	8.19144E-05	8.19144E-05	4.96451E-05	0.00048404	7.695E-05
2265004055	0.010511901	0.358560235	0.012761667	0.004417524	0.041587475	0.009009192	0.019469076
2265004056	0.002178774	0.0229762	0.002178774	0.002178774	0.001320467	0.012874557	0.002046727
2265004066	0.0003736	0.003939788	0.0003736	0.0003736	0.000226424	0.002207637	0.000350958
2265004071	0.00672399	0.070907488	0.00672399	0.00672399	0.004075145	0.039732654	0.006316476
2265004075	0.000365965	0.01248303	0.000444288	0.000153793	0.001447838	0.000313648	0.000677803
2265004076	0.000218221	0.002301243	0.000218221	0.000218221	0.000132255	0.001289489	0.000204996
2265005010	3.92536E-05	2.58556E-07	1.40851E-06	1.90789E-05	3.59771E-05	3.32402E-05	5.49532E-05
2265005015	0.000165191	1.08808E-06	5.92743E-06	8.02902E-05	0.000151403	0.000139885	0.000231261
2265005020	1.08759E-06	7.16372E-09	3.90251E-08	5.28614E-07	9.96806E-07	9.20975E-07	1.52257E-06
2265005025	0.000102786	6.77029E-07	3.68818E-06	4.99582E-05	9.42062E-05	8.70397E-05	0.000143895
2265005030	3.37821E-05	2.22516E-07	1.21218E-06	1.64195E-05	3.09622E-05	2.86069E-05	4.72933E-05
2265005035	0.000357501	2.35479E-06	1.28279E-05	0.000173761	0.00032766	0.000302734	0.000500485
2265005040	0.000767615	5.05613E-06	2.75438E-05	0.000373093	0.000703541	0.000650021	0.001074625
2265005045	0.000162804	1.07236E-06	5.84176E-06	7.91296E-05	0.000149214	0.000137863	0.000227918
2265005055	0.000239289	1.57615E-06	8.58623E-06	0.000116305	0.000219316	0.000202632	0.000334994
2265005060	0.000289785	1.90876E-06	1.03981E-05	0.000140848	0.000265596	0.000245392	0.000405685
2265006005	0.003137976	0.162924003	0.003137976	0.001380708	0.0145602	0.004769712	0.010041516
2265006010	0.000752845	0.03908772	0.000752845	0.000331252	0.0034932	0.001144325	0.002409108
2265006015	0.000403686	0.02095932	0.000403686	0.000177622	0.001873104	0.000613602	0.001291788
2265006025	0.000866671	0.044997599	0.000866671	0.000381335	0.004021356	0.001317336	0.002773344
2265006030	0.001356564	0.07043316	0.001356564	0.000596891	0.00629448	0.002061984	0.004341024
2265006035	6.34654E-05	0.003295128	6.34654E-05	2.79247E-05	0.00029448	9.64674E-05	0.000203089
2265007010	0.000541738	3.88518E-06	0.00014373	0.001855632	0.000580954	0.000315421	0.000782794
2265007015	5.682E-06	4.07495E-08	1.5075E-06	1.94627E-05	6.09331E-06	3.30829E-06	8.2103E-06
2265008005	0	0.005289408	0	0	3.49812E-07	0	1.15438E-07
2265010010	0	0.000261869	0	0.000261869	0.000261869	0	0.000654673
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000631193	0.000504955	0.001767343	0.000126239	0.000631193	0	0.001009909
2270002003	0.00025655	0.01447074	0.002484021	0.000419517	0.000933074	0.000284635	0.00106904
2270002006	1.02703E-06	5.79297E-05	9.94412E-06	1.67942E-06	3.73531E-06	1.13946E-06	4.27961E-06
2270002009	6.90758E-06	0.000389623	6.68821E-05	1.12955E-05	2.51229E-05	7.66378E-06	2.87838E-05
2270002015	0.000642233	0.03622521	0.006218361	0.001050197	0.002335803	0.00071254	0.002676171
2270002018	0.000698124	0.03937776	0.006759525	0.001141592	0.00253908	0.00077455	0.00290907
2270002021	3.85805E-05	0.002176131	0.000373552	6.30877E-05	0.000140317	4.28039E-05	0.000160764
2270002024	2.38287E-05	0.00134406	0.000230719	3.89653E-05	8.6665E-05	2.64372E-05	9.92936E-05
2270002027	7.10363E-05	0.004006809	0.000687803	0.00011616	0.00025836	7.88129E-05	0.000296007
2270002030	0.000304672	0.01718502	0.002949957	0.000498207	0.001108091	0.000338025	0.001269561
2270002033	0.000262316	0.014796	0.002539857	0.000428947	0.000954047	0.000291033	0.001093068
2270002036	0.002602512	0.146794799	0.02519856	0.004255692	0.009465342	0.002887413	0.010844607
2270002039	2.15588E-05	0.001216023	0.00020874	3.52534E-05	7.84093E-05	2.39188E-05	8.98349E-05
2270002042	1.02407E-05	0.000577629	9.9155E-05	1.67459E-05	3.72456E-05	1.13618E-05	4.26729E-05
2270002045	0.000594044	0.03350712	0.005751783	0.000971397	0.002160546	0.000659076	0.002475372
2270002048	0.000647703	0.03653373	0.006271326	0.001059142	0.002355702	0.000718609	0.002698968
2270002051	0.002224263	0.125459757	0.02153625	0.003637176	0.008089662	0.002467761	0.009268461
2270002054	0.000104945	0.005919447	0.001016123	0.000171609	0.000381686	0.000116434	0.000437305
2270002057	0.00083332	0.047003489	0.008068545	0.001362667	0.003030786	0.000924545	0.003472428
2270002060	0.002833152	0.159804001	0.0274317	0.004632846	0.010304175	0.003143304	0.011805693
2270002066	0.001723182	0.09719613	0.01668456	0.002817789	0.006267216	0.001911819	0.007180458
2270002069	0.002591937	0.146198401	0.0250962	0.0042384	0.009426888	0.002875683	0.010800543
2270002072	0.001183024	0.066728609	0.011454522	0.001934514	0.004302669	0.001312535	0.004929642
2270002075	0.000279162	0.01574613	0.002702964	0.000456494	0.001015314	0.000309723	0.001163263
2270002078	3.65091E-06	0.00020593	3.53496E-05	5.97006E-06	1.32784E-05	4.05058E-06	1.52133E-05
2270002081	0.000267303	0.01507725	0.002588139	0.000437101	0.000972182	0.000296565	0.001113846
2270003010	0.000107228	0.004089456	4.63673E-05	0.00012533	0.001237056	0.000585094	0.000546544
2270003020	0.001547748	0.059028123	0.000669275	0.001809036	0.017856	0.00844536	0.007888932
2270003030	0.000675895	0.025777319	0.000292268	0.000789997	0.007797624	0.003688044	0.003445056
2270003040	0.000686057	0.026164801	0.000296663	0.000801874	0.007914852	0.003743484	0.003496848
2270003050	2.64907E-05	0.001010302	1.1455E-05	3.09628E-05	0.000305616	0.000144547	0.000135024

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FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2270003060	0.004886508	0.165343199	0.005570244	0.002020416	0.01655172	0.004218336	0.008857176
2270003070	0.000975125	0.03718932	0.000421661	0.001139743	0.01124976	0.0053208	0.004970244
2270004031	8.18497E-08	8.63142E-07	8.18497E-08	8.18497E-08	4.96059E-08	4.83657E-07	7.68892E-08
2270004036	4.5777E-05	0.000224372	5.22246E-05	1.93424E-05	1.28949E-05	3.99744E-05	1.99871E-05
2270004046	0.000564717	0.005955192	0.000564717	0.000564717	0.000342253	0.00333696	0.000530491
2270004056	0.000116563	0.001229214	0.000116563	0.000116563	7.06444E-05	0.000688783	0.000109499
2270004066	0.000768335	0.008102427	0.000768335	0.000768335	0.000465657	0.004540155	0.000721769
2270004071	9.06237E-05	0.000955669	9.06237E-05	9.06237E-05	5.49236E-05	0.000535505	8.51314E-05
2270004076	2.1464E-06	2.26348E-05	2.1464E-06	2.1464E-06	1.30084E-06	1.26833E-05	2.01631E-06
2270005010	1.42119E-06	9.36108E-09	5.09954E-08	6.90757E-07	1.30256E-06	1.20347E-06	1.9896E-06
2270005015	0.062746859	0.000413302	0.0022515	0.030497681	0.057509341	0.053134469	0.08784279
2270005020	0.005632953	3.71031E-05	0.000202123	0.002737857	0.005162766	0.004770024	0.007885869
2270005025	3.15468E-05	2.07792E-07	1.13197E-06	1.53331E-05	2.89135E-05	2.6714E-05	4.4164E-05
2270005030	6.21787E-06	4.09559E-08	2.23111E-07	3.02215E-06	5.69885E-06	5.26533E-06	8.70474E-06
2270005035	0.000478341	3.15073E-06	1.71639E-05	0.000232494	0.000438413	0.000405062	0.000669655
2270005040	7.64183E-07	5.03353E-09	2.74207E-08	3.71426E-07	7.00397E-07	6.47117E-07	1.06982E-06
2270005045	0.000442294	2.9133E-06	1.58705E-05	0.000214974	0.000405375	0.000374538	0.000619191
2270005055	0.001226095	8.07604E-06	4.39949E-05	0.000595933	0.00112375	0.001038262	0.00171647
2270005060	0.000900423	5.93092E-06	3.23092E-05	0.000437644	0.000825265	0.000762485	0.00126055
2270006005	0.001265244	0.065691361	0.001265244	0.000556706	0.005870724	0.001923168	0.004048776
2270006010	0.000298458	0.01549596	0.000298458	0.000131321	0.001384848	0.000453655	0.000955064
2270006015	0.000827197	0.04294812	0.000827197	0.000363967	0.0038382	0.001257336	0.002647032
2270006020	0	0	0	0	0	0	0
2270006025	0.000421739	0.02189676	0.000421739	0.000185566	0.001956876	0.000641044	0.001349568
2270006030	4.04724E-05	0.002101332	4.04724E-05	1.78079E-05	0.000187792	6.15181E-05	0.000129511
2270006035	3.5885E-05	0.001863144	3.5885E-05	1.57894E-05	0.000166506	5.45452E-05	0.000114832
2270007010	0	0	0	0	0	0	0
2270007015	0.006057072	4.34394E-05	0.001607016	0.020747399	0.00649554	0.003526668	0.008752272
2270008005	0	0.126894001	0	0	8.39204E-06	0	2.76937E-06
2270009010	0	0	0	0	0.000688948	0	0.008968629
2270010010	0	0.00051721	0	0.00051721	0.00051721	0	0.001293026
2282005010	0.011010776	0.036702649	0.093591657	0.001835132	0.018351324	0.003670265	0.031197267
2282005015	0.004376778	0.014589244	0.037202608	0.000729464	0.007294637	0.001458924	0.012400856
2282010005	0.005168645	0.017228796	0.043933506	0.000861442	0.00861442	0.00172288	0.014644494
2282020005	0.002177661	0.007258887	0.018510153	0.000362944	0.003629441	0.000725889	0.006170039

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FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2282020010	9.42771E-06	3.14256E-05	8.01355E-05	1.57128E-06	1.57128E-05	3.14256E-06	2.67118E-05
2285002015	0.001674252	0.00043314	7.51375E-05	4.38738E-05	0	1.00338E-05	0.000799568
2285004015	0.00016287	4.21356E-05	7.30933E-06	4.26802E-06	0	9.76086E-07	7.77816E-05
2285006015	0	0	0	0	0	0	0
Total	**0.213686842**	**2.976450305**	**0.532059609**	**0.233777218**	**0.426464342**	**0.266302457**	**0.468017903**

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2260001010	0.003619875	0.004826499	0.004826499	0.008446365	0	0.001206624	0.00241325
2260001020	0.259210803	0.040660501	0.040660501	0	0.0304953	0.038966401	0
2260001030	0.002908983	0.003878643	0.003878643	0.00678762	0	0.000969659	0.001939318
2260001060	0.00076732	0.001023093	0.001023093	0.001790413	0	0.000255773	0.000511547
2260002006	1.09456E-05	5.92707E-05	0.000126458	5.19532E-05	6.05943E-05	9.35955E-05	0.000532371
2260002009	6.15782E-07	3.33447E-06	7.11434E-06	2.9228E-06	3.40893E-06	5.26552E-06	2.99503E-05
2260002021	7.35487E-07	3.98267E-06	8.49735E-06	3.49098E-06	4.07162E-06	6.28912E-06	3.57725E-05
2260002027	5.27566E-09	2.85677E-08	6.09515E-08	2.50408E-08	2.92057E-08	4.51119E-08	2.56597E-07
2260002039	2.81069E-05	0.000152199	0.000324729	0.000133409	0.000155598	0.000240341	0.001367057
2260002054	1.40486E-07	7.60736E-07	1.62309E-06	6.66817E-07	7.77724E-07	1.20129E-06	6.83296E-06
2260003030	5.30803E-07	1.52392E-06	5.69758E-06	7.04491E-06	8.8032E-06	7.37132E-06	2.36764E-05
2260003040	4.22904E-08	1.21415E-07	4.53941E-07	5.61287E-07	7.01374E-07	5.87292E-07	1.88636E-06
2260004015	5.33756E-06	3.06786E-05	2.82041E-05	2.47689E-05	4.35669E-05	3.34333E-05	0.000159607
2260004016	7.17957E-05	7.17957E-05	7.17957E-05	0.000424248	3.26344E-05	7.17957E-05	0.000319818
2260004020	7.23486E-05	0.000415837	0.000382296	0.000335734	0.000590533	0.000453176	0.002163408
2260004021	0.000890208	0.000890208	0.000890208	0.00526032	0.00040464	0.000890208	0.003965472
2260004025	0.000100153	0.000575648	0.000529216	0.000464759	0.000817482	0.000627337	0.002994827
2260004026	0.000697642	0.000697642	0.000697642	0.004122429	0.00031711	0.000697642	0.003107678
2260004030	6.46569E-05	0.000371628	0.000341652	0.000300041	0.000527752	0.000404997	0.001933406
2260004031	0.000679114	0.000679114	0.000679114	0.004012948	0.000308688	0.000679114	0.003025148
2260004035	4.89522E-05	0.000179138	0.000164662	0.000120813	0.000219974	0.000188284	0.00072156
2260004036	5.6244E-05	0.000347691	0.000347691	0.000352803	7.66965E-05	0.000357918	0.000751626
2260004071	2.97549E-07	2.97549E-07	2.97549E-07	1.75824E-06	1.35249E-07	2.97549E-07	1.32544E-06
2260005035	4.20608E-06	2.21564E-05	2.92079E-05	1.61644E-05	7.63003E-06	8.60621E-06	3.04213E-05
2260006005	4.94345E-06	2.96608E-05	2.55412E-05	3.29563E-05	4.36672E-05	2.80129E-05	0.00024223
2260006010	3.28165E-05	0.000196898	0.000169552	0.000218777	0.000289879	0.00018596	0.001608012
2260006015	1.25756E-08	7.54541E-08	6.49744E-08	8.38379E-08	1.11085E-07	7.12622E-08	6.16208E-07
2260006035	1.95313E-07	1.17188E-06	1.00912E-06	1.30208E-06	1.72526E-06	1.10678E-06	9.57036E-06
2260007005	0.000462079	0.000285683	0.000465232	9.08444E-05	0.000442577	0.000655522	8.60909E-05
2265001010	0.001051129	0.001401505	0.001401505	0.002452633	0	0.000350376	0.000700751
2265001030	0.010029765	0.013373031	0.013373031	0.02340282	0	0.003343257	0.00668652
2265001050	0.001125852	0.003377556	0.003377556	0	0.005629263	0.004503414	0.021391182
2265001060	0.000630154	0.000840204	0.000840204	0.001470361	0	0.000210051	0.000420102
2265002003	6.12628E-06	3.31739E-05	7.07791E-05	2.90783E-05	3.39148E-05	5.23856E-05	0.000297969
2265002006	4.66058E-08	2.52371E-07	5.38453E-07	2.21214E-07	2.58007E-07	3.98524E-07	2.2668E-06

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FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2265002009	1.1063E-05	5.99062E-05	0.000127815	5.25103E-05	6.1244E-05	9.45991E-05	0.00053808
2265002015	1.0738E-05	5.81466E-05	0.00012406	5.0968E-05	5.94452E-05	9.18205E-05	0.000522275
2265002021	2.15969E-05	0.000116948	0.000249517	0.000102509	0.000119559	0.000184674	0.001050426
2265002024	8.83718E-06	4.78535E-05	0.000102099	4.19455E-05	4.89221E-05	7.55664E-05	0.000429821
2265002027	4.49215E-07	2.4325E-06	5.18993E-06	2.13219E-06	2.48682E-06	3.84121E-06	2.18488E-05
2265002030	1.88138E-05	0.000101877	0.000217362	8.92991E-05	0.000104152	0.000160875	0.000915059
2265002033	6.25282E-06	3.38591E-05	7.2241E-05	2.96789E-05	3.46152E-05	5.34676E-05	0.000304124
2265002039	3.86118E-05	0.000209084	0.000446096	0.00018327	0.000213753	0.000330168	0.001877994
2265002042	1.94401E-05	0.000105268	0.000224599	9.22722E-05	0.000107619	0.000166232	0.000945525
2265002045	1.53971E-06	8.33757E-06	1.77888E-05	7.30822E-06	8.52376E-06	1.3166E-05	7.48883E-05
2265002054	2.51097E-06	1.35969E-05	2.90101E-05	1.19183E-05	1.39006E-05	2.14712E-05	0.000122128
2265002057	2.43208E-06	1.31697E-05	2.80987E-05	1.15438E-05	1.34638E-05	2.07966E-05	0.000118291
2265002060	5.95115E-06	3.22256E-05	6.87557E-05	2.8247E-05	3.29452E-05	5.0888E-05	0.000289451
2265002066	1.27946E-05	6.9283E-05	0.00014782	6.07294E-05	7.08302E-05	0.000109406	0.000622302
2265002072	9.16416E-06	4.96241E-05	0.000105877	4.34975E-05	5.07323E-05	7.83623E-05	0.000445725
2265002078	3.05092E-06	1.65208E-05	3.52484E-05	1.44812E-05	1.68897E-05	2.60883E-05	0.00014839
2265002081	2.08837E-06	1.13086E-05	2.41277E-05	9.91244E-06	1.15611E-05	1.78576E-05	0.000101574
2265003010	4.58075E-05	0.000131512	0.000491692	0.000607964	0.000759702	0.000636132	0.00204324
2265003020	0.000153474	0.000440618	0.001647372	0.002036928	0.00254532	0.002131308	0.006845676
2265003030	3.7561E-05	0.000107836	0.000403174	0.000498515	0.000622936	0.000521612	0.001675404
2265003040	6.477E-05	0.000185952	0.000695232	0.000859638	0.001074188	0.000899466	0.002889048
2265003050	3.23318E-06	9.28236E-06	3.47046E-05	4.29114E-05	5.36213E-05	4.48996E-05	0.000144216
2265003060	1.7689E-06	1.13702E-05	1.12732E-05	1.14328E-05	1.54138E-05	1.17018E-05	5.52175E-05
2265003070	1.58402E-05	4.54768E-05	0.000170027	0.000210234	0.000262705	0.000219974	0.000706552
2265004010	0.000641767	0.003688675	0.003391148	0.002978118	0.005238312	0.00401989	0.019190439
2265004011	0.001354389	0.001354389	0.001354389	0.008003202	0.000615632	0.001354389	0.006033195
2265004015	5.47412E-05	0.000314635	0.000289256	0.000254026	0.000446815	0.000342887	0.001636895
2265004016	0.000704445	0.000704445	0.000704445	0.004162632	0.000320202	0.000704445	0.003137983
2265004025	3.47188E-06	1.99553E-05	1.83457E-05	1.61112E-05	2.83386E-05	2.17471E-05	0.000103818
2265004026	3.2464E-05	3.2464E-05	3.2464E-05	0.000191833	1.47563E-05	3.2464E-05	0.000144612
2265004030	6.67743E-06	3.83798E-05	3.5284E-05	3.09866E-05	5.45034E-05	4.1826E-05	0.000199672
2265004031	0.001395603	0.001395603	0.001395603	0.008246724	0.000634365	0.001395603	0.006216774
2265004035	0.000125687	0.000459945	0.000422775	0.000310194	0.000564789	0.000483426	0.001852629
2265004036	0.000144409	0.00089271	0.00089271	0.000905838	0.000196921	0.000918966	0.001929828
2265004040	0.000131017	0.000753045	0.000692305	0.000607985	0.001069405	0.000820665	0.003917746

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FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2265004041	0.000157692	0.000157692	0.000157692	0.000931819	7.16783E-05	0.000157692	0.000702448
2265004046	0.000190836	0.000190836	0.000190836	0.001127664	8.67434E-05	0.000190836	0.000850088
2265004051	8.19144E-05	8.19144E-05	8.19144E-05	0.00048404	3.72338E-05	8.19144E-05	0.000364892
2265004055	0.001786391	0.010267626	0.00943944	0.008289753	0.014581155	0.011189598	0.053417731
2265004056	0.002178774	0.002178774	0.002178774	0.012874557	0.000990353	0.002178774	0.009705459
2265004066	0.0003736	0.0003736	0.0003736	0.002207637	0.000169819	0.0003736	0.001664222
2265004071	0.00672399	0.00672399	0.00672399	0.039732654	0.003056362	0.00672399	0.029952319
2265004075	6.21921E-05	0.00035746	0.000328628	0.000288602	0.000507632	0.000389558	0.001859695
2265004076	0.000218221	0.000218221	0.000218221	0.001289489	9.91916E-05	0.000218221	0.000972077
2265005010	7.30448E-06	3.84779E-05	5.07238E-05	2.80719E-05	1.32507E-05	1.4946E-05	5.28311E-05
2265005015	3.07395E-05	0.000161927	0.000213462	0.000118135	5.57631E-05	6.28974E-05	0.00022233
2265005020	2.02383E-07	1.0661E-06	1.40539E-06	7.77779E-07	3.67133E-07	4.14103E-07	1.46378E-06
2265005025	1.91268E-05	0.000100755	0.00013282	7.35064E-05	3.4697E-05	3.91361E-05	0.000138339
2265005030	6.28632E-06	3.31145E-05	4.36534E-05	2.4159E-05	1.14037E-05	1.28627E-05	4.5467E-05
2265005035	6.65253E-05	0.000350436	0.000461965	0.000255664	0.00012068	0.00013612	0.000481158
2265005040	0.000142841	0.000752448	0.000991917	0.000548954	0.000259121	0.000292273	0.001033129
2265005045	3.02952E-05	0.000159587	0.000210376	0.000116428	5.4957E-05	6.19882E-05	0.000219116
2265005055	4.4528E-05	0.000234561	0.000309212	0.000171126	8.07761E-05	9.11104E-05	0.000322058
2265005060	5.39245E-05	0.000284059	0.000374462	0.000207237	9.78216E-05	0.000110337	0.00039002
2265006005	0.000753113	0.004518684	0.003891084	0.005020752	0.0066525	0.004267644	0.036902519
2265006010	0.000180683	0.001084097	0.000933528	0.001204548	0.001596036	0.001023869	0.008853456
2265006015	9.68845E-05	0.000581308	0.00050057	0.000645896	0.000855814	0.000549012	0.004747344
2265006025	0.000208001	0.001248012	0.001074672	0.001386672	0.001837344	0.001178672	0.010192044
2265006030	0.000325577	0.001953456	0.001682148	0.002170512	0.002875932	0.00184494	0.01595328
2265006035	1.52317E-05	9.13902E-05	7.86971E-05	0.000101545	0.000134546	8.6313E-05	0.000746353
2265007010	0.000680041	0.00042044	0.000684682	0.000133696	0.000651341	0.000964732	0.0001267
2265007015	7.1326E-06	4.40977E-06	7.18127E-06	1.40226E-06	6.83156E-06	1.01186E-05	1.32889E-06
2265008005	0	0	4.54757E-08	0	5.7803E-05	0	9.16508E-07
2265010010	0.000261869	0.000261869	0	0	0.001126036	0.003849474	0.000261869
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

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SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

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SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000378716	0.000504955	0.000504955	0.00088367	0	0.000126239	0.000252477
2270002003	8.16598E-05	0.000442189	0.000943445	0.000387597	0.000452064	0.000698269	0.003971757
2270002006	3.26903E-07	1.77018E-06	3.77683E-06	1.55164E-06	1.80971E-06	2.79533E-06	1.58998E-05
2270002009	2.19868E-06	1.19059E-05	2.54021E-05	1.0436E-05	1.21718E-05	1.88008E-05	0.000106939
2270002015	0.000204422	0.001106952	0.002361765	0.000970289	0.00113167	0.001748007	0.009942669
2270002018	0.000222213	0.001203286	0.002567301	0.001054729	0.001230159	0.001900131	0.010807935
2270002021	1.22801E-05	6.64972E-05	0.000141877	5.82875E-05	6.79821E-05	0.000105007	0.00059728
2270002024	7.58466E-06	4.1071E-05	8.76282E-05	3.60005E-05	4.19882E-05	6.48561E-05	0.000368901
2270002027	2.26108E-05	0.000122438	0.000261231	0.000107322	0.000125172	0.000193344	0.001099743
2270002030	9.69769E-05	0.000525131	0.001120409	0.000460299	0.000536858	0.000829245	0.004716747
2270002033	8.34953E-05	0.000452128	0.000964651	0.000396309	0.000462225	0.000713965	0.004061034
2270002036	0.000828378	0.004485678	0.009570546	0.003931887	0.004585854	0.007083426	0.040290541
2270002039	6.86214E-06	3.71586E-05	7.92807E-05	3.2571E-05	3.79884E-05	5.86778E-05	0.00033376
2270002042	3.25962E-06	1.76509E-05	3.76596E-05	1.54717E-05	1.80451E-05	2.78729E-05	0.000158541
2270002045	0.000189084	0.001023893	0.002184555	0.000897485	0.00104676	0.00161685	0.009196647
2270002048	0.000206163	0.00111638	0.00238188	0.000978552	0.001141309	0.001762896	0.010027353
2270002051	0.000707983	0.003833736	0.008179572	0.003360429	0.003919353	0.006053931	0.03443475
2270002054	3.3404E-05	0.000180883	0.000385929	0.000158552	0.000184923	0.000285636	0.001624701
2270002057	0.000265246	0.00143631	0.003064473	0.001258983	0.001468383	0.002268099	0.012900948
2270002060	0.000901792	0.004883217	0.010418727	0.00428034	0.004992264	0.007711179	0.043861199
2270002066	0.000548488	0.002970069	0.006336873	0.002603388	0.003036399	0.004690095	0.02667726
2270002069	0.000825013	0.004467459	0.00953166	0.003915909	0.004567221	0.00705465	0.04012683
2270002072	0.000376557	0.002039058	0.004350492	0.001787319	0.002084595	0.003219918	0.01831491
2270002075	8.88572E-05	0.000481163	0.0010266	0.00042176	0.000491909	0.000759814	0.004321824
2270002078	1.16208E-06	6.2927E-06	1.3426E-05	5.51581E-06	6.43322E-06	9.93692E-06	5.65212E-05
2270002081	8.50825E-05	0.000460723	0.000982988	0.000403843	0.000471011	0.000727537	0.004138227
2270003010	2.9829E-05	8.5638E-05	0.00032018	0.000395896	0.000494704	0.000414238	0.001330512
2270003020	0.000430558	0.00123612	0.00462156	0.005714448	0.00714066	0.005979204	0.01920492
2270003030	0.000188022	0.000539806	0.002018208	0.002495472	0.003118296	0.00261108	0.008386704
2270003040	0.000190849	0.000547921	0.002048544	0.002532984	0.003165168	0.002650344	0.008512788
2270003050	7.36926E-06	2.1157E-05	7.91006E-05	9.78061E-05	0.000122216	0.000102338	0.000328705

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2270003060	0.000726226	0.004668084	0.004628268	0.004693776	0.006328176	0.004804212	0.0226698
2270003070	0.000271264	0.000778788	0.002911704	0.003600252	0.004498812	0.003767052	0.0120996
2270004031	8.18497E-08	8.18497E-08	8.18497E-08	4.83657E-07	3.72044E-08	8.18497E-08	3.64603E-07
2270004036	7.09221E-06	4.38429E-05	4.38429E-05	4.44876E-05	9.67119E-06	4.51323E-05	9.47778E-05
2270004046	0.000564717	0.000564717	0.000564717	0.00333696	0.000256689	0.000564717	0.002515559
2270004056	0.000116563	0.000116563	0.000116563	0.000688783	5.29833E-05	0.000116563	0.000519237
2270004066	0.000768335	0.000768335	0.000768335	0.004540155	0.000349243	0.000768335	0.003422577
2270004071	9.06237E-05	9.06237E-05	9.06237E-05	0.000535505	4.11927E-05	9.06237E-05	0.000403688
2270004076	2.1464E-06	2.1464E-06	2.1464E-06	1.26833E-05	9.75634E-07	2.1464E-06	9.56124E-06
2270005010	2.64461E-07	1.3931E-06	1.83647E-06	1.01635E-06	4.79745E-07	5.41124E-07	1.91277E-06
2270005015	0.011676204	0.061506991	0.081081961	0.044872974	0.021181257	0.023891196	0.084450721
2270005020	0.001048205	0.005521641	0.007278936	0.004028367	0.001901496	0.002144773	0.007581357
2270005025	5.87036E-06	3.09234E-05	4.07649E-05	2.25604E-05	1.06491E-05	1.20116E-05	4.24586E-05
2270005030	1.15705E-06	6.095E-06	8.03476E-06	4.44666E-06	2.09894E-06	2.36748E-06	8.3686E-06
2270005035	8.90117E-05	0.000468888	0.000618116	0.000342082	0.000161472	0.00018213	0.000643796
2270005040	1.42203E-07	7.49084E-07	9.87484E-07	5.46501E-07	2.57963E-07	2.90967E-07	1.02851E-06
2270005045	8.23041E-05	0.000433555	0.000571536	0.000316304	0.000149304	0.000168406	0.000595281
2270005055	0.000228156	0.001201864	0.001584366	0.00087683	0.000413888	0.00046684	0.001650191
2270005060	0.000167555	0.00088263	0.001163535	0.000643932	0.000303953	0.00034284	0.001211876
2270006005	0.000303658	0.001821948	0.001568904	0.002024388	0.002682312	0.001720728	0.014879279
2270006010	7.16298E-05	0.000429779	0.000370087	0.000477532	0.00063273	0.000405902	0.003509856
2270006015	0.000198528	0.001191164	0.001025725	0.001323516	0.001753656	0.001124989	0.009727848
2270006020	0	0	0	0	0	0	0
2270006025	0.000101217	0.000607304	0.000522956	0.000674783	0.000894088	0.000573565	0.00495966
2270006030	9.71338E-06	5.82803E-05	5.01858E-05	6.47558E-05	8.58016E-05	5.50424E-05	0.000475956
2270006035	8.6124E-06	5.16744E-05	4.44974E-05	5.7416E-05	7.60763E-05	4.88036E-05	0.000422008
2270007010	0	0	0	0	0	0	0
2270007015	0.007603428	0.004700868	0.007655316	0.001494828	0.007282524	0.0107865	0.001416612
2270008005	0	0	1.09097E-06	0	0.001386696	0	2.19871E-05
2270009010	0	0	0	0	0	0	0.039829799
2270010010	0.00051721	0.00051721	0	0	0.002224008	0.007602996	0.00051721
2282005010	0.011010776	0.044043152	0.016516167	0.001835132	0.038537741	0.067899885	0.018351324
2282005015	0.004376778	0.017507076	0.006565164	0.000729464	0.015318744	0.026990069	0.007294637
2282010005	0.005168645	0.02067458	0.007752969	0.000861442	0.018090267	0.031873277	0.00861442
2282020005	0.002177661	0.008710649	0.003266494	0.000362944	0.007621837	0.013428926	0.003629441

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2282020010	9.42771E-06	3.77108E-05	1.41415E-05	1.57128E-06	3.29969E-05	5.81375E-05	1.57128E-05
2285002015	0	0.000157926	0	1.66585E-06	1.90604E-05	1.06731E-05	0.001579692
2285004015	0	1.5363E-05	0	1.62053E-07	1.85418E-06	1.03827E-06	0.000153671
2285006015	0	0	0	0	0	0	0
Total	**0.356808202**	**0.330758181**	**0.344238717**	**0.288729971**	**0.270587897**	**0.369137416**	**0.878403316**

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2260001010	0.03740535	0.008446365	0.00723975	0.004826499
2260001020	0.035577899	0	0.060990902	0
2260001030	0.030059429	0.00678762	0.005817957	0.003878643
2260001060	0.007928991	0.001790413	0.001534641	0.001023093
2260002006	0.000204631	0.000528019	2.17671E-05	0.001374569
2260002009	1.15122E-05	2.97054E-05	1.22458E-06	7.7331E-05
2260002021	1.37501E-05	3.54801E-05	1.46263E-06	9.23638E-05
2260002027	9.86295E-08	2.54499E-07	1.04915E-08	6.62526E-07
2260002039	0.000525464	0.001355882	5.5895E-05	0.00352971
2260002054	2.62642E-06	6.7771E-06	2.79379E-07	1.76425E-05
2260003030	1.7936E-06	4.62238E-05	6.81484E-06	8.3821E-05
2260003040	1.42901E-07	3.68276E-06	5.42954E-07	6.67823E-06
2260004015	3.60468E-05	0.000293201	1.98457E-05	0.000287812
2260004016	8.26737E-05	0.001401105	7.17957E-05	0.000859372
2260004020	0.0004886	0.003974232	0.000269002	0.003901176
2260004021	0.001025088	0.01737252	0.000890208	0.01065552
2260004025	0.000676375	0.005501568	0.000372382	0.005400441
2260004026	0.000803345	0.013614582	0.000697642	0.008350572
2260004030	0.000436655	0.003551713	0.000240403	0.00348643
2260004031	0.000782009	0.013253058	0.000679114	0.008128785
2260004035	0.000251777	0.001321956	0.000104912	0.001305828
2260004036	0.000194298	0.00329283	0.00023009	0.002019675
2260004071	3.42632E-07	5.80671E-06	2.97549E-07	3.56157E-06
2260005035	1.40056E-05	2.38848E-05	8.08318E-06	6.39539E-05
2260006005	4.03715E-05	0.000350986	1.64782E-05	0.000375702
2260006010	0.000268001	0.002329968	0.000109388	0.002494056
2260006015	1.02701E-07	8.92873E-07	4.19189E-08	9.55752E-07
2260006035	1.59506E-06	1.38672E-05	6.51044E-07	1.48439E-05
2260007005	0.00020288	0.000246266	0.000196986	0.00022494
2265001010	0.010861665	0.002452633	0.002102254	0.001401505
2265001030	0.103640908	0.02340282	0.020059544	0.013373031
2265001050	0.006755112	0.04053069	0.002251705	0.029272141
2265001060	0.006511584	0.001470361	0.001260308	0.000840204
2265002003	0.000114532	0.000295533	1.21831E-05	0.00076935
2265002006	8.71304E-07	2.24828E-06	9.26829E-08	5.85284E-06

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2265002009	0.000206825	0.000533682	2.20005E-05	0.001389311
2265002015	0.00020075	0.000518006	2.13543E-05	0.001348501
2265002021	0.000403759	0.001041838	4.29488E-05	0.002712177
2265002024	0.000165213	0.000426308	1.75741E-05	0.001109788
2265002027	8.39816E-06	2.16702E-05	8.93334E-07	5.64131E-05
2265002030	0.000351727	0.000907579	3.74141E-05	0.002362662
2265002033	0.000116898	0.000301638	1.24347E-05	0.00078524
2265002039	0.000721856	0.001862646	7.67856E-05	0.004848936
2265002042	0.000363437	0.000937796	3.86597E-05	0.002441322
2265002045	2.87852E-05	7.42761E-05	3.06196E-06	0.00019336
2265002054	4.69431E-05	0.00012113	4.99346E-06	0.000315332
2265002057	4.54682E-05	0.000117324	4.83657E-06	0.000305425
2265002060	0.000111258	0.000287085	1.18348E-05	0.000747356
2265002066	0.000239198	0.000617215	2.54441E-05	0.001606767
2265002072	0.000171325	0.000442081	1.82244E-05	0.00115085
2265002078	5.70376E-05	0.000147177	6.06724E-06	0.00038314
2265002081	3.90426E-05	0.000100744	4.15306E-06	0.000262262
2265003010	0.000154784	0.00398904	0.000588108	0.007233612
2265003020	0.000518593	0.01336488	0.0019704	0.024235561
2265003030	0.000126919	0.0032709	0.000482233	0.005931372
2265003040	0.00021886	0.005640336	0.000831563	0.010228032
2265003050	1.0925E-05	0.000281554	4.15099E-05	0.000510563
2265003060	1.31315E-05	9.98153E-05	7.58564E-06	0.000105593
2265003070	5.35247E-05	0.001379412	0.000203369	0.002501388
2265004010	0.004334119	0.035253276	0.002386177	0.034605326
2265004011	0.001559602	0.026431116	0.001354389	0.016211661
2265004015	0.00036969	0.003007022	0.000203535	0.002951748
2265004016	0.00081118	0.013747356	0.000704445	0.008432001
2265004025	2.34471E-05	0.000190716	1.29089E-05	0.00018721
2265004026	3.73827E-05	0.000633539	3.2464E-05	0.000388584
2265004030	4.50955E-05	0.000366802	2.48276E-05	0.00036006
2265004031	0.001607059	0.02723539	0.001395603	0.016704939
2265004035	0.000646446	0.00339417	0.000269365	0.00335277
2265004036	0.000498867	0.00845448	0.000590763	0.00518559
2265004040	0.000884814	0.007196988	0.000487139	0.007064703

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2265004041	0.000181585	0.003077386	0.000157692	0.001887532
2265004046	0.00021975	0.003724186	0.000190836	0.002284247
2265004051	9.43258E-05	0.001598575	8.19144E-05	0.000980492
2265004055	0.012064251	0.098129581	0.006642051	0.096326009
2265004056	0.002508891	0.042519103	0.002178774	0.026079264
2265004066	0.000430207	0.00729087	0.0003736	0.004471888
2265004071	0.007742772	0.131219759	0.00672399	0.080484089
2265004075	0.000420009	0.003416312	0.000231238	0.003353512
2265004076	0.000251285	0.004258616	0.000218221	0.00261204
2265005010	2.43229E-05	4.14796E-05	1.40376E-05	0.000111065
2265005015	0.000102358	0.000174559	5.90748E-05	0.000467398
2265005020	6.73906E-07	1.14926E-06	3.88937E-07	3.07725E-06
2265005025	6.36895E-05	0.000108614	3.67576E-05	0.000290825
2265005030	2.09325E-05	3.56977E-05	1.20809E-05	9.55841E-05
2265005035	0.000221519	0.000377773	0.000127847	0.001011523
2265005040	0.000475641	0.000811144	0.00027451	0.002171915
2265005045	0.000100879	0.000172036	5.82209E-05	0.000460642
2265005055	0.000148272	0.000252859	8.55732E-05	0.000677053
2265005060	0.00017956	0.000306218	0.000103631	0.000819926
2265006005	0.00615042	0.053471038	0.002510376	0.057236642
2265006010	0.00147558	0.01282848	0.000602276	0.01373184
2265006015	0.000791224	0.006878796	0.000322949	0.007363224
2265006025	0.001698672	0.01476804	0.000693337	0.015808079
2265006030	0.002658876	0.02311596	0.001085256	0.024743881
2265006035	0.000124392	0.001081451	5.07724E-05	0.001157609
2265007010	0.000298579	0.00036243	0.000289904	0.000331044
2265007015	3.13164E-06	3.80134E-06	3.04066E-06	3.47214E-06
2265008005	0	1.31179E-05	0	2.30876E-06
2265010010	0	0.000890355	0.000392804	0
2267001060	0	0	0	0
2267002003	0	0	0	0
2267002015	0	0	0	0
2267002021	0	0	0	0
2267002024	0	0	0	0
2267002030	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2267002033	0	0	0	0
2267002039	0	0	0	0
2267002045	0	0	0	0
2267002054	0	0	0	0
2267002057	0	0	0	0
2267002060	0	0	0	0
2267002066	0	0	0	0
2267002072	0	0	0	0
2267002081	0	0	0	0
2267003010	0	0	0	0
2267003020	0	0	0	0
2267003030	0	0	0	0
2267003040	0	0	0	0
2267003050	0	0	0	0
2267003070	0	0	0	0
2267004066	0	0	0	0
2267005055	0	0	0	0
2267005060	0	0	0	0
2267006005	0	0	0	0
2267006010	0	0	0	0
2267006015	0	0	0	0
2267006025	0	0	0	0
2267006030	0	0	0	0
2267006035	0	0	0	0
2267008005	0	0	0	0
2268002081	0	0	0	0
2268003020	0	0	0	0
2268003030	0	0	0	0
2268003040	0	0	0	0
2268003060	0	0	0	0
2268003070	0	0	0	0
2268005055	0	0	0	0
2268005060	0	0	0	0
2268006005	0	0	0	0
2268006010	0	0	0	0

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2268006015	0	0	0	0
2268006020	0	0	0	0
2268006035	0	0	0	0
2268010010	0	0	0	0
2270001060	0.003913401	0.00088367	0.000757432	0.000504955
2270002003	0.001526646	0.003939291	0.000162394	0.010254978
2270002006	6.11152E-06	1.57699E-05	6.50098E-07	4.1053E-05
2270002009	4.11048E-05	0.000106065	4.37242E-06	0.000276115
2270002015	0.003821721	0.00986139	0.000406527	0.02567175
2270002018	0.004154313	0.010719585	0.000441905	0.027905849
2270002021	0.000229579	0.000592397	2.4421E-05	0.001542162
2270002024	0.000141797	0.000365886	1.50833E-05	0.000952494
2270002027	0.000422714	0.001090751	4.49652E-05	0.002839506
2270002030	0.001813005	0.004678185	0.000192854	0.012178521
2270002033	0.001560963	0.004027836	0.000166044	0.010485495
2270002036	0.01548672	0.03996117	0.00164736	0.104029139
2270002039	0.000128289	0.000331031	1.36464E-05	0.00086176
2270002042	6.09393E-05	0.000157245	6.48227E-06	0.000409349
2270002045	0.003534966	0.009121464	0.000376024	0.02374551
2270002048	0.003854274	0.009945381	0.000409989	0.02589039
2270002051	0.013235883	0.03415326	0.001407936	0.088909709
2270002054	0.000624496	0.00161142	6.64292E-05	0.004194939
2270002057	0.004958817	0.012795535	0.000527482	0.03330999
2270002060	0.01685919	0.04350264	0.001793355	0.113248531
2270002066	0.010254105	0.02645916	0.001090756	0.068880061
2270002069	0.01542378	0.039798839	0.001640667	0.103606619
2270002072	0.0070398	0.01816515	0.000748842	0.04728867
2270002075	0.001661205	0.004286496	0.000176707	0.011158839
2270002078	2.17254E-05	5.60591E-05	2.31098E-06	0.000145936
2270002081	0.001590633	0.004104399	0.0001692	0.010684803
2270003010	0.000100793	0.002597592	0.000382966	0.004710396
2270003020	0.001454868	0.037494119	0.005527812	0.067990802
2270003030	0.000635334	0.01637352	0.002413968	0.029691241
2270003040	0.000644885	0.01661964	0.002450256	0.030137641
2270003050	2.4901E-05	0.000641735	9.46118E-05	0.001163704

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2270003060	0.005391192	0.040979639	0.003114312	0.043351801
2270003070	0.000916607	0.02362236	0.003482664	0.04283604
2270004031	9.42513E-08	1.59731E-06	8.18497E-08	9.79717E-07
2270004036	2.45004E-05	0.000415218	2.90136E-05	0.000254675
2270004046	0.000650279	0.011020533	0.000564717	0.006759486
2270004056	0.000134224	0.002274749	0.000116563	0.001395226
2270004066	0.000884747	0.014994129	0.000768335	0.009196731
2270004071	0.000104355	0.00176854	9.06237E-05	0.001084741
2270004076	2.47161E-06	4.18873E-05	2.1464E-06	2.56917E-05
2270005010	8.80615E-07	1.50177E-06	5.08237E-07	4.02115E-06
2270005015	0.03888009	0.066305071	0.022439199	0.177537957
2270005020	0.003490372	0.005952378	0.002014427	0.015938039
2270005025	1.95474E-05	3.33356E-05	1.12816E-05	8.92595E-05
2270005030	3.8528E-06	6.57046E-06	2.2236E-06	1.75931E-05
2270005035	0.000296397	0.000505466	0.000171062	0.001353434
2270005040	4.73515E-07	8.07517E-07	2.73283E-07	2.16221E-06
2270005045	0.00027406	0.000467375	0.000158171	0.001251444
2270005055	0.000759728	0.001295623	0.000438468	0.003469147
2270005060	0.000557933	0.000951484	0.000322005	0.002547692
2270006005	0.002479872	0.02155968	0.001012194	0.023078041
2270006010	0.000584977	0.00508572	0.000238766	0.00544386
2270006015	0.001621308	0.01409544	0.000661758	0.015088079
2270006020	0	0	0	0
2270006025	0.000826609	0.00718644	0.000337392	0.007692528
2270006030	7.93259E-05	0.00068965	3.23779E-05	0.000738217
2270006035	7.03346E-05	0.00061148	2.8708E-05	0.000654542
2270007010	0	0	0	0
2270007015	0.003338364	0.004052268	0.00324138	0.00370134
2270008005	0	0.000314701	0	5.53876E-05
2270009010	0	0	0	0
2270010010	0	0.001758513	0.000775816	0
2282005010	0.100932158	0.066064848	0.036702649	0.027526986
2282005015	0.040120421	0.026260647	0.014589244	0.010941937
2282010005	0.047379231	0.03101187	0.017228796	0.0129216
2282020005	0.019961919	0.013065976	0.007258887	0.00544417

2002 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2282020010	8.64204E-05	5.65661E-05	3.14256E-05	2.35692E-05
2285002015	0	0.002706576	0.000143728	0.000446893
2285004015	0	0.000263294	1.39818E-05	4.34735E-05
2285006015	0	0	0	0
Total	**0.683664386**	**1.446936132**	**0.279907496**	**1.904950108**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2260001010	0.016259904	0.009033291	0.001806656	0.003613317	0.007226634	0.018066561	0
2260001020	0	0	0.031107299	0	0	0	0
2260001030	0.01756443	0.009758019	0.0019516	0.003903204	0.007806411	0.019515997	0
2260001060	0.002424931	0.001347181	0.000269437	0.000538873	0.001077746	0.002694369	0
2260002006	0.000181631	0.002311494	6.70593E-05	0.000157517	3.74553E-05	0.000668413	0.000238556
2260002009	1.04946E-05	0.000133559	3.8747E-06	9.10138E-06	2.16417E-06	3.8621E-05	1.37838E-05
2260002021	1.25641E-05	0.000159895	4.63877E-06	1.08961E-05	2.59093E-06	4.62369E-05	1.65019E-05
2260002027	9.30686E-08	1.18442E-06	3.43616E-08	8.07129E-08	1.91923E-08	3.42499E-07	1.22238E-07
2260002039	0.0004658	0.005927934	0.000171977	0.000403961	9.60557E-05	0.001714176	0.000611789
2260002054	2.47121E-06	3.14495E-05	9.12388E-07	2.14314E-06	5.09605E-07	9.09422E-06	3.24573E-06
2260003030	6.18972E-06	4.76392E-05	2.86177E-06	9.58748E-06	3.33514E-06	3.15246E-05	7.78336E-06
2260003040	4.93151E-07	3.79553E-06	2.28005E-07	7.6386E-07	2.65718E-07	2.51165E-06	6.20119E-07
2260004015	5.59294E-05	0.000834397	4.77335E-05	0.000118003	3.05596E-05	0.000231927	8.20397E-05
2260004016	3.22943E-05	0.002314424	4.12649E-05	0.00013456	5.92062E-05	0.000746356	0.000161472
2260004020	0.000742966	0.011084124	0.000634092	0.00156756	0.000405955	0.003080916	0.001089815
2260004021	0.00039322	0.028180799	0.000502447	0.00163842	0.000720904	0.009087756	0.001966104
2260004025	0.001030579	0.015374961	0.000879562	0.00217438	0.000563107	0.004273601	0.001511698
2260004026	0.000313565	0.022472169	0.000400667	0.001306523	0.00057487	0.007246845	0.00156783
2260004030	0.000663644	0.009900747	0.000566394	0.001400199	0.000362614	0.00275199	0.000973462
2260004031	0.000302799	0.021700578	0.000386909	0.001261661	0.000555131	0.006998013	0.001513996
2260004035	0.000345228	0.00546027	0.000304089	0.000730659	0.000222349	0.001430634	0.000515271
2260004036	0.000105558	0.00756501	0.00013488	0.000439824	0.000475011	0.002439564	0.00052779
2260004071	1.335E-07	9.56747E-06	1.70583E-07	5.56248E-07	2.44749E-07	3.08532E-06	6.67497E-07
2260005035	3.01182E-05	3.15704E-06	1.68692E-05	7.0146E-06	2.24013E-05	3.9984E-05	1.37648E-05
2260006005	6.36934E-05	0.001607712	2.85522E-05	9.37098E-05	3.14807E-05	0.000319199	0.000114209
2260006010	0.000432482	0.01091646	0.000193872	0.000636296	0.000213756	0.00216738	0.000775487
2260006015	1.6896E-07	4.26476E-06	7.57404E-08	2.48584E-07	8.35087E-08	8.46739E-07	3.02962E-07
2260006035	2.6185E-06	6.60944E-05	1.17381E-06	3.8525E-06	1.2942E-06	1.31226E-05	4.69523E-06
2260007005	0.000478405	5.02974E-05	0.000234852	1.00408E-05	0.000448764	9.47383E-05	0.000129336
2265001010	0.004932528	0.002740293	0.000548059	0.001096117	0.002192233	0.005480589	0
2265001030	0.051193022	0.028440599	0.005688114	0.011376219	0.022752477	0.05688114	0
2265001050	0.012228858	0.053362319	0.008893719	0.020010858	0.004446855	0.023345985	0.005558574
2265001060	0.001846435	0.001025798	0.00020516	0.00041032	0.000820639	0.002051598	0
2265002003	0.000130348	0.001658847	4.81252E-05	0.000113043	2.68798E-05	0.000479688	0.0001712
2265002006	9.68919E-07	1.23308E-05	3.57732E-07	8.40287E-07	1.99807E-07	3.56569E-06	1.27259E-06

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FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2260001010	0.005419974	0.021679872	0.012646611	0.003613317	0	0.009033291	0.009033291
2260001020	0.0355512	0	0.01333167	0.01555362	0.379953012	0	0.01555362
2260001030	0.005854806	0.023419218	0.013661205	0.003903204	0	0.009758019	0.009758019
2260001060	0.000808309	0.003233238	0.001886057	0.000538873	0	0.001347181	0.001347181
2260002006	8.22034E-05	0.000886439	0.000336951	0.000151647	3.00517E-06	7.68368E-05	0.000523864
2260002009	4.74972E-06	5.12186E-05	1.94691E-05	8.76217E-06	1.73639E-07	4.43964E-06	3.0269E-05
2260002021	5.68635E-06	6.13186E-05	2.33083E-05	1.049E-05	2.0788E-07	5.31512E-06	3.62379E-05
2260002027	4.21215E-08	4.54217E-07	1.72656E-07	7.77047E-08	1.53987E-09	3.93716E-08	2.68431E-07
2260002039	0.000210814	0.002273313	0.000864128	0.000388905	7.7069E-06	0.000197052	0.001343475
2260002054	1.11843E-06	1.20606E-05	4.58446E-06	2.06326E-06	4.08874E-08	1.04542E-06	7.12753E-06
2260003030	5.21731E-06	3.23795E-05	1.34494E-05	5.05712E-06	1.13105E-06	2.44795E-06	6.61328E-06
2260003040	4.15676E-07	2.57975E-06	1.07155E-06	4.02914E-07	9.01136E-08	1.95035E-07	5.26897E-07
2260004015	3.62705E-05	0.000352233	0.000101006	0.000101245	3.88109E-06	4.06426E-05	6.38123E-05
2260004016	5.92062E-05	0.002714513	0.000267325	0.00019556	0	5.92062E-05	0.000211707
2260004020	0.000481817	0.004679064	0.001341756	0.001344936	5.15564E-05	0.000539897	0.000847684
2260004021	0.000720904	0.03305232	0.003254988	0.00238116	0	0.000720904	0.00257778
2260004025	0.000668336	0.006490413	0.001861172	0.001865589	7.15149E-05	0.000748899	0.001175836
2260004026	0.00057487	0.026356938	0.002595625	0.001898812	0	0.00057487	0.002055597
2260004030	0.000430376	0.004179516	0.001198509	0.00120135	4.60521E-05	0.000482255	0.000757182
2260004031	0.000555131	0.025451874	0.002506501	0.001833612	0	0.000555131	0.001985013
2260004035	0.000269955	0.002145036	0.000673077	0.000613911	4.28493E-05	0.000286883	0.000508377
2260004036	0.000598164	0.00887274	0.000873786	0.000639213	0	0.000568842	0.000691992
2260004071	2.44749E-07	1.12214E-05	1.10508E-06	8.08414E-07	0	2.44749E-07	8.75162E-07
2260005035	3.58926E-05	1.29761E-05	1.94145E-05	1.21879E-05	1.1883E-07	2.72349E-06	2.10178E-05
2260006005	4.24622E-05	0.001045451	0.000206454	0.000102495	2.19632E-06	2.12311E-05	8.41925E-05
2260006010	0.000288322	0.007098684	0.00140184	0.00069595	1.49132E-05	0.000144161	0.000571673
2260006015	1.1264E-07	2.77326E-06	5.47662E-07	2.71889E-07	5.82619E-09	5.63198E-08	2.23337E-07
2260006035	1.74566E-06	4.29794E-05	8.48754E-06	4.21367E-06	9.02929E-08	8.72832E-07	3.46123E-06
2260007005	0.000319444	1.53587E-05	0.000143286	0.000355932	0.000142879	3.01984E-05	0.000386362
2265001010	0.001644177	0.006576702	0.003836412	0.001096117	0	0.002740293	0.002740293
2265001030	0.017064351	0.068257348	0.03981681	0.011376219	0	0.028440599	0.028440599
2265001050	0.00222343	0.013340601	0.022234296	0.010005444	0.001111713	0.00222343	0.004446855
2265001060	0.000615479	0.002461918	0.001436116	0.00041032	0	0.001025798	0.001025798
2265002003	5.89934E-05	0.000636154	0.000241813	0.000108829	2.15667E-06	5.51421E-05	0.000375952
2265002006	4.38519E-07	4.72877E-06	1.79749E-06	8.08969E-07	1.60313E-08	4.09891E-07	2.79459E-06

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FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2260001010	0.021679872	0.005419974	0.003613317	0.001806656	0.007226634	0.009033291	0.009033291
2260001020	0	0.053326802	0.02666334	0.0599925	0	0.02444142	0
2260001030	0.023419218	0.005854806	0.003903204	0.0019516	0.007806411	0.009758019	0.009758019
2260001060	0.003233238	0.000808309	0.000538873	0.000269437	0.001077746	0.001347181	0.001347181
2260002006	0.001277458	5.98004E-05	6.30557E-05	5.84562E-05	8.29943E-05	0.00010265	0.000395067
2260002009	7.38117E-05	3.45527E-06	3.64337E-06	3.37761E-06	4.79542E-06	5.93113E-06	2.2827E-05
2260002021	8.8367E-05	4.13664E-06	4.36183E-06	4.04366E-06	5.74105E-06	7.10072E-06	2.73284E-05
2260002027	6.54577E-07	3.06421E-08	3.23102E-08	2.99533E-08	4.25267E-08	5.25984E-08	2.02435E-07
2260002039	0.003276099	0.000153361	0.00016171	0.000149913	0.000212842	0.00026325	0.001013167
2260002054	1.73807E-05	8.13626E-07	8.57917E-07	7.95337E-07	1.12919E-06	1.39662E-06	5.37516E-06
2260003030	1.93835E-05	2.55475E-06	3.62316E-06	2.526E-06	5.54538E-06	7.65602E-06	9.77027E-06
2260003040	1.54433E-06	2.03543E-07	2.88666E-07	2.01252E-07	4.41815E-07	6.09974E-07	7.78422E-07
2260004015	0.000254677	2.42054E-05	5.20879E-05	2.27994E-05	3.87555E-05	5.29888E-05	0.000129058
2260004016	0.002554832	5.92062E-05	5.92062E-05	0.000348061	3.22943E-05	0.000348061	0.000592062
2260004020	0.003383136	0.000321545	0.000691936	0.000302868	0.000514829	0.000703904	0.001714416
2260004021	0.031108081	0.000720904	0.000720904	0.00423804	0.00039322	0.00423804	0.007209036
2260004025	0.004692801	0.000446019	0.000959797	0.000420114	0.000714127	0.000976398	0.002378086
2260004026	0.024806511	0.00057487	0.00057487	0.003379537	0.000313565	0.003379537	0.005748699
2260004030	0.003021934	0.000287215	0.000618062	0.000270533	0.000459863	0.000628753	0.001531377
2260004031	0.023954712	0.000555131	0.000555131	0.003263497	0.000302799	0.003263497	0.005551308
2260004035	0.001580838	0.000183141	0.000355896	0.000171797	0.000262188	0.000399219	0.000829125
2260004036	0.00835083	0.00039291	0.000791685	0.000357726	0.000105558	0.000856194	0.001935231
2260004071	1.05613E-05	2.44749E-07	2.44749E-07	1.43883E-06	1.335E-07	1.43883E-06	2.44749E-06
2260005035	2.63995E-05	1.24385E-05	7.05352E-06	7.24811E-06	1.75005E-05	2.75761E-05	2.56619E-05
2260006005	0.00072918	2.85522E-05	5.49082E-05	2.12311E-05	4.24622E-05	6.22292E-05	0.000188884
2260006010	0.004951188	0.000193872	0.00037283	0.000144161	0.000288322	0.00042254	0.001282536
2260006015	1.93429E-06	7.57404E-08	1.45655E-07	5.63198E-08	1.1264E-07	1.65076E-07	5.01053E-07
2260006035	2.99772E-05	1.17381E-06	2.25732E-06	8.72832E-07	1.74566E-06	2.5583E-06	7.76519E-06
2260007005	0.000116089	0.000255894	0.000768871	0.00025841	0.000250292	0.000236806	0.000102272
2265001010	0.006576702	0.001644177	0.001096117	0.000548059	0.002192233	0.002740293	0.002740293
2265001030	0.068257348	0.017064351	0.011376219	0.005688114	0.022752477	0.028440599	0.028440599
2265001050	0.030016259	0.003335145	0.003335145	0.00222343	0.004446855	0.013340601	0.008893719
2265001060	0.002461918	0.000615479	0.00041032	0.00020516	0.000820639	0.001025798	0.001025798
2265002003	0.00091677	4.29158E-05	4.52521E-05	4.19512E-05	5.95609E-05	7.36668E-05	0.00028352
2265002006	6.81468E-06	3.19009E-07	3.36375E-07	3.11839E-07	4.42738E-07	5.47592E-07	2.10751E-06

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FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2260001010	0.010839948	0.010839948	0.001806656	0.014453247	0.014453247	0.005419974	0.007226634
2260001020	0	0	0.0644364	0.00888777	0	0.446610019	0
2260001030	0.011709603	0.011709603	0.0019516	0.015612831	0.015612831	0.005854806	0.007806411
2260001060	0.001616624	0.001616624	0.000269437	0.002155494	0.002155494	0.000808309	0.001077746
2260002006	0.00044136	0.000438337	3.12173E-05	0.000333897	0.00021922	1.26733E-05	0.000170696
2260002009	2.55019E-05	2.53272E-05	1.80374E-06	1.92926E-05	1.26666E-05	7.32264E-07	9.86285E-06
2260002021	3.05307E-05	3.03216E-05	2.15943E-06	2.3097E-05	1.51644E-05	8.76662E-07	1.18078E-05
2260002027	2.26156E-07	2.24607E-07	1.59959E-08	1.71091E-07	1.1233E-07	6.49386E-09	8.74658E-08
2260002039	0.00113189	0.001124138	8.00583E-05	0.000856295	0.000562201	3.25012E-05	0.000437759
2260002054	6.00501E-06	5.96389E-06	4.24733E-07	4.5429E-06	2.98265E-06	1.72429E-07	2.32244E-06
2260003030	9.32668E-06	1.68256E-05	6.26776E-06	2.92142E-05	3.50353E-06	2.40791E-07	8.43539E-06
2260003040	7.4308E-07	1.34053E-06	4.99368E-07	2.32758E-06	2.79136E-07	1.91844E-08	6.72068E-07
2260004015	0.00015248	0.000331739	2.42391E-05	0.000164279	9.35543E-05	3.33854E-06	8.13545E-05
2260004016	0.000963444	0.001397624	5.92062E-05	0.000387531	9.8677E-05	5.92062E-05	0.000190177
2260004020	0.00202554	0.00440682	0.000321991	0.002182284	0.00124278	4.43491E-05	0.001080714
2260004021	0.011731056	0.01701768	0.000720904	0.00471864	0.0012015	0.000720904	0.002315628
2260004025	0.002809663	0.006112773	0.00044664	0.003027091	0.001723875	6.15174E-05	0.001499078
2260004026	0.009354699	0.01357041	0.00057487	0.003762786	0.000958116	0.00057487	0.001846551
2260004030	0.001809288	0.003936328	0.000287614	0.001949295	0.00111009	3.96142E-05	0.000965333
2260004031	0.009033501	0.013104453	0.000555131	0.003633583	0.000925218	0.000555131	0.001783148
2260004035	0.001047135	0.002037132	0.000169781	0.001075389	0.000624066	8.20197E-05	0.000514434
2260004036	0.00314916	0.00456831	0.000328404	0.001266696	0.000322539	4.69146E-05	0.000621621
2260004071	3.98274E-06	5.77756E-06	2.44749E-07	1.60199E-06	4.07915E-07	2.44749E-07	7.86162E-07
2260005035	1.63742E-05	1.45035E-07	2.17111E-06	2.22897E-05	1.34869E-05	5.16573E-07	4.27775E-05
2260006005	0.000237203	0.000521261	2.92843E-05	0.000241596	8.7853E-05	1.46422E-06	9.29777E-05
2260006010	0.001610628	0.0035394	0.000198842	0.001640448	0.000596528	9.94213E-06	0.000631326
2260006015	6.29228E-07	1.38275E-06	7.76825E-08	6.4088E-07	2.33047E-07	3.88412E-09	2.46642E-07
2260006035	9.75163E-06	2.14295E-05	1.2039E-06	9.93222E-06	3.61171E-06	6.01952E-08	3.8224E-06
2260007005	0.000133056	4.60878E-06	0.00057783	7.90223E-05	0.000268151	0.000309476	0.000468302
2265001010	0.003288351	0.003288351	0.000548059	0.00438447	0.00438447	0.001644177	0.002192233
2265001030	0.034128659	0.034128659	0.005688114	0.045504929	0.045504929	0.017064351	0.022752477
2265001050	0.01445232	0.013340601	0.004446855	0.024457704	0.005558574	0.001111713	0.013340601
2265001060	0.001230958	0.001230958	0.00020516	0.001641279	0.001641279	0.000615479	0.000820639
2265002003	0.000316743	0.000314574	2.24032E-05	0.000239622	0.000157324	9.09499E-06	0.000122501
2265002006	2.35446E-06	2.33834E-06	1.66531E-07	1.7812E-06	1.16945E-06	6.76063E-08	9.1059E-07

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FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2260001010	0.001806656	0	0.009033291	0	0.001806656	0.001806656	0
2260001020	0	0	0	0.02444142	0.048882902	0	0
2260001030	0.0019516	0	0.009758019	0	0.0019516	0.0019516	0
2260001060	0.000269437	0	0.001347181	0	0.000269437	0.000269437	0
2260002006	2.62217E-05	2.31222E-05	6.2617E-05	0.000102383	5.59263E-05	1.28807E-05	0.000125546
2260002009	1.51509E-06	1.33601E-06	3.61802E-06	5.91572E-06	3.23143E-06	7.44251E-07	7.25405E-06
2260002021	1.81386E-06	1.59946E-06	4.33147E-06	7.08227E-06	3.86866E-06	8.91014E-07	8.68451E-06
2260002027	1.34361E-08	1.1848E-08	3.20853E-08	5.24618E-08	2.8657E-08	6.60017E-09	6.43304E-08
2260002039	6.72467E-05	5.9298E-05	0.000160584	0.000262567	0.000143426	3.30333E-05	0.000321968
2260002054	3.56764E-07	3.14594E-07	8.51947E-07	1.39299E-06	7.60917E-07	1.75251E-07	1.70813E-06
2260003030	2.05776E-06	6.46388E-07	2.03312E-06	3.76794E-06	3.94712E-06	1.73534E-06	1.21699E-05
2260003040	1.63948E-07	5.14993E-08	1.61983E-07	3.00202E-07	3.14478E-07	1.38259E-07	9.69612E-07
2260004015	8.46117E-06	2.2344E-05	2.66924E-05	5.00424E-05	3.01814E-05	1.38135E-05	0.000137246
2260004016	5.92062E-05	5.92062E-05	0.000349854	5.02355E-05	5.92062E-05	5.92062E-05	0.000254766
2260004020	0.000112398	0.000296818	0.000354582	0.000664763	0.000400931	0.000183499	0.001823184
2260004021	0.000720904	0.000720904	0.00425988	0.000611676	0.000720904	0.000720904	0.003102072
2260004025	0.00015591	0.000411721	0.000491848	0.000922105	0.000556138	0.000254535	0.002528967
2260004026	0.00057487	0.00057487	0.003396957	0.000487768	0.00057487	0.00057487	0.002473681
2260004030	0.000100398	0.000265129	0.000316726	0.00059379	0.000358126	0.000163908	0.001628527
2260004031	0.000555131	0.000555131	0.003280317	0.000471021	0.000555131	0.000555131	0.002388743
2260004035	6.45156E-05	0.00015748	0.000199298	0.000352374	0.000208041	9.45252E-05	0.000891384
2260004036	0.00013488	0.000387045	0.000433962	0.000164201	0.000433962	0.000216981	0.000832737
2260004071	2.44749E-07	2.44749E-07	1.44624E-06	2.07666E-07	2.44749E-07	2.44749E-07	1.05316E-06
2260005035	1.05917E-05	1.05889E-05	1.6068E-05	1.91939E-05	1.02822E-05	1.15805E-05	4.19304E-06
2260006005	5.85686E-06	2.34275E-05	1.53743E-05	4.61228E-05	3.80696E-05	1.17137E-05	0.000191813
2260006010	3.97685E-05	0.000159074	0.000104392	0.000313177	0.000258496	7.95371E-05	0.00130242
2260006015	1.55365E-08	6.2146E-08	4.07833E-08	1.2235E-07	1.00987E-07	3.1073E-08	5.0882E-07
2260006035	2.40781E-07	9.63125E-07	6.32051E-07	1.89616E-06	1.56508E-06	4.81562E-07	7.88558E-06
2260007005	0.000326182	0.000115392	0.000531122	0.000313698	0.000429109	0.000357721	7.01276E-05
2265001010	0.000548059	0	0.002740293	0	0.000548059	0.000548059	0
2265001030	0.005688114	0	0.028440599	0	0.005688114	0.005688114	0
2265001050	0.00222343	0.00222343	0.003335145	0.005558574	0.004446855	0.00222343	0.01445232
2265001060	0.00020516	0	0.001025798	0	0.00020516	0.00020516	0
2265002003	1.8818E-05	1.65937E-05	4.49371E-05	7.34755E-05	4.01356E-05	9.24388E-06	9.00981E-05
2265002006	1.39881E-07	1.23347E-07	3.34034E-07	5.4617E-07	2.98343E-07	6.87131E-08	6.69732E-07

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FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2260001010	0.052393081	0.007226634	0.012646611	0.005419974	0.009033291	0.005419974	0.007226634
2260001020	0	0.02444142	0	0	0	0.017775571	0.048882902
2260001030	0.056596409	0.007806411	0.013661205	0.005854806	0.009758019	0.005854806	0.007806411
2260001060	0.007813653	0.001077746	0.001886057	0.000808309	0.001347181	0.000808309	0.001077746
2260002006	0.000821914	9.12277E-05	0.000324198	0.00063878	0.000294497	0.000115123	1.92935E-05
2260002009	4.74903E-05	5.27115E-06	1.87322E-05	3.69088E-05	1.70161E-05	6.65183E-06	1.11478E-06
2260002021	5.68552E-05	6.3106E-06	2.24261E-05	4.41871E-05	2.03716E-05	7.96354E-06	1.33461E-06
2260002027	4.21153E-07	4.67456E-08	1.66121E-07	3.27314E-07	1.50902E-07	5.89898E-08	9.88608E-09
2260002039	0.002107839	0.000233958	0.00083142	0.00163818	0.000755251	0.000295239	4.9479E-05
2260002054	1.11827E-05	1.24122E-06	4.41093E-06	8.69104E-06	4.00683E-06	1.56633E-06	2.62501E-07
2260003030	4.63628E-05	4.99962E-06	8.55142E-06	2.02121E-05	1.92366E-05	1.17454E-05	4.8764E-06
2260003040	3.69384E-06	3.98333E-07	6.81313E-07	1.61035E-06	1.53263E-06	9.35783E-07	3.88516E-07
2260004015	0.000272976	6.06005E-05	7.5531E-05	0.000186817	0.000212276	7.40141E-05	2.95518E-05
2260004016	0.00125409	4.48531E-05	0.000147118	0.001035211	0.000751738	5.7412E-05	3.94707E-05
2260004020	0.003626208	0.000805018	0.001003352	0.002481684	0.00281988	0.000983203	0.000392566
2260004021	0.01527	0.000546139	0.001791336	0.01260492	0.009153288	0.000699058	0.000480602
2260004025	0.005029977	0.001116652	0.001391764	0.003442385	0.003911497	0.00136382	0.000544535
2260004026	0.012176787	0.000435507	0.001428462	0.010051509	0.007299102	0.00055745	0.000383246
2260004030	0.003239061	0.000719071	0.000896231	0.002216727	0.002518814	0.000878233	0.000350654
2260004031	0.011758677	0.000420553	0.001379418	0.00970638	0.007048479	0.000538309	0.000370087
2260004035	0.001713075	0.000372954	0.000468603	0.001224153	0.001351392	0.000493428	0.000202308
2260004036	0.00409917	0.000146609	0.000480876	0.00338373	0.002457159	0.000187659	0.000129016
2260004071	5.18423E-06	1.85416E-07	6.08164E-07	4.2794E-06	3.10757E-06	2.37332E-07	1.63166E-07
2260005035	7.73836E-05	1.22151E-05	2.47628E-05	1.72075E-05	7.57451E-06	1.94515E-05	3.25407E-06
2260006005	0.000492709	6.88182E-05	8.71208E-05	0.000389482	0.000272345	9.95668E-05	2.85522E-05
2260006010	0.003345528	0.00046728	0.000591557	0.002644608	0.001849236	0.000676066	0.000193872
2260006015	1.307E-06	1.82554E-07	2.31106E-07	1.03318E-06	7.22447E-07	2.6412E-07	7.57404E-08
2260006035	2.02558E-05	2.82918E-06	3.58162E-06	1.6012E-05	1.11963E-05	4.09328E-06	1.17381E-06
2260007005	0.000136894	0.000109906	8.60978E-05	1.90762E-05	0.000167608	0.000507044	0.000342707
2265001010	0.015893715	0.002192233	0.003836412	0.001644177	0.002740293	0.001644177	0.002192233
2265001030	0.164955356	0.022752477	0.03981681	0.017064351	0.028440599	0.017064351	0.022752477
2265001050	0.012228858	0.006670287	0.007782	0.011117133	0.017787447	0.001111713	0.004446855
2265001060	0.005949636	0.000820639	0.001436116	0.000615479	0.001025798	0.000615479	0.000820639
2265002003	0.000589848	6.54697E-05	0.000232661	0.000458421	0.000211346	8.26184E-05	1.3846E-05
2265002006	4.38455E-06	4.8666E-07	1.72945E-06	3.40761E-06	1.57101E-06	6.14132E-07	1.02922E-07

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FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2260001010	0.012646611	0	0.036133171	0.02890656	0	0.007226634	0.005419974
2260001020	0.017775571	0	0	0	0	0	0
2260001030	0.013661205	0	0.039032041	0.03122562	0	0.007806411	0.005854806
2260001060	0.001886057	0	0.005388732	0.004310982	0	0.001077746	0.000808309
2260002006	0.000204571	6.07736E-05	0.000487119	0.001327088	2.27412E-05	0.000537762	9.42505E-05
2260002009	1.18201E-05	3.51151E-06	2.81458E-05	7.66794E-05	1.31399E-06	3.1072E-05	5.44581E-06
2260002021	1.4151E-05	4.20396E-06	3.3696E-05	9.18002E-05	1.5731E-06	3.71992E-05	6.5197E-06
2260002027	1.04823E-07	3.11407E-08	2.49603E-07	6.80008E-07	1.16527E-08	2.75552E-07	4.82945E-08
2260002039	0.000524631	0.000155857	0.001249238	0.00340338	5.83209E-05	0.001379119	0.00024171
2260002054	2.78332E-06	8.26867E-07	6.62759E-06	1.80559E-05	3.0941E-07	7.31663E-06	1.28235E-06
2260003030	8.59763E-06	5.53666E-06	5.2245E-06	5.25925E-05	1.2286E-06	1.34674E-05	5.42422E-06
2260003040	6.84995E-07	4.41119E-07	4.16249E-07	4.19018E-06	9.78856E-08	1.07298E-06	4.32161E-07
2260004015	7.40794E-05	2.98627E-05	8.68869E-05	0.000447871	1.14057E-05	0.000167972	6.51311E-05
2260004016	7.35592E-05	5.92062E-05	0.000150707	0.004375875	5.92062E-05	0.000421619	0.000349854
2260004020	0.000984072	0.000396696	0.001154208	0.005949516	0.000151513	0.00223134	0.000865202
2260004021	0.000895668	0.000720904	0.001835028	0.053281322	0.000720904	0.005133708	0.00425988
2260004025	0.001365023	0.000550264	0.00160102	0.008252661	0.000210166	0.003095135	0.001200134
2260004026	0.000714232	0.00057487	0.001463302	0.042488107	0.00057487	0.004093768	0.003396957
2260004030	0.000879008	0.000354343	0.001030981	0.005314323	0.000135337	0.001993117	0.000772829
2260004031	0.000689708	0.000555131	0.001413062	0.041029247	0.000555131	0.003953206	0.003280317
2260004035	0.000470619	0.000195061	0.0006582	0.002818119	7.20507E-05	0.0010176	0.000402981
2260004036	0.000240438	0.000445689	0.000492603	0.01430313	0.00017593	0.001378119	0.000897243
2260004071	3.04082E-07	2.44749E-07	6.22997E-07	1.80892E-05	2.44749E-07	1.74291E-06	1.44624E-06
2260005035	2.2532E-05	1.29377E-05	3.66116E-06	6.61167E-06	5.54479E-06	1.57743E-05	2.08207E-05
2260006005	8.93172E-05	3.73375E-05	8.7853E-05	0.001319988	9.5174E-06	0.000224026	4.75871E-05
2260006010	0.00060647	0.000253524	0.000596528	0.008962836	6.46238E-05	0.001521144	0.000323119
2260006015	2.36932E-07	9.90452E-08	2.33047E-07	3.50154E-06	2.52468E-08	5.94271E-07	1.26234E-07
2260006035	3.67192E-06	1.53498E-06	3.61171E-06	5.4266E-05	3.9127E-07	9.20988E-06	1.95635E-06
2260007005	0.00024619	0.000232532	6.05354E-05	2.76528E-05	5.19828E-06	6.621E-06	9.57154E-05
2265001010	0.003836412	0	0.01096116	0.008768949	0	0.002192233	0.001644177
2265001030	0.03981681	0	0.113762189	0.091009741	0	0.022752477	0.017064351
2265001050	0.013340601	0.001111713	0.010005444	0.057809161	0.003335145	0.010005444	0.003335145
2265001060	0.001436116	0	0.004103199	0.003282558	0	0.000820639	0.000615479
2265002003	0.00014681	4.36143E-05	0.000349582	0.000952387	1.63202E-05	0.000385926	6.7639E-05
2265002006	1.09129E-06	3.242E-07	2.59856E-06	7.07944E-06	1.21314E-07	2.86873E-06	5.02785E-07

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FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2260001010	0.009033291	0.007226634	0.025293239	0.001806656	0.009033291	0	0.014453247
2260001020	0	0	0	0.122207098	0	0	0.02888529
2260001030	0.009758019	0.007806411	0.02732241	0.0019516	0.009758019	0	0.015612831
2260001060	0.001347181	0.001077746	0.003772113	0.000269437	0.001347181	0	0.002155494
2260002006	2.47291E-05	0.001394853	0.000239438	4.04378E-05	8.99401E-05	2.74363E-05	0.000103046
2260002009	1.42885E-06	8.05946E-05	1.38348E-05	2.3365E-06	5.19675E-06	1.58527E-06	5.95401E-06
2260002021	1.71062E-06	9.64876E-05	1.65629E-05	2.79725E-06	6.22153E-06	1.89788E-06	7.12811E-06
2260002027	1.26714E-08	7.1473E-07	1.2269E-07	2.07205E-08	4.60859E-08	1.40585E-08	5.28014E-08
2260002039	6.34191E-05	0.003577161	0.00061405	0.000103705	0.000230656	7.03618E-05	0.000264266
2260002054	3.36458E-07	1.89779E-05	3.25772E-06	5.50184E-07	1.2237E-06	3.7329E-07	1.40201E-06
2260003030	9.15416E-07	3.49121E-05	3.95842E-07	1.06995E-06	1.05609E-05	4.995E-06	4.6659E-06
2260003040	7.29336E-08	2.78154E-06	3.15377E-08	8.5246E-08	8.41415E-07	3.97964E-07	3.71744E-07
2260004015	2.64152E-05	0.000901021	3.20686E-05	1.11007E-05	0.000104504	2.26391E-05	4.89236E-05
2260004016	5.92062E-05	0.000624356	5.92062E-05	5.92062E-05	3.58825E-05	0.000349854	5.56179E-05
2260004020	0.0003509	0.011969159	0.000425999	0.000147462	0.001388232	0.000300738	0.000649901
2260004021	0.000720904	0.007602252	0.000720904	0.000720904	0.000436912	0.00425988	0.000677212
2260004025	0.000486739	0.016602615	0.00059091	0.000204547	0.00192565	0.000417158	0.000901489
2260004026	0.00057487	0.006062265	0.00057487	0.00057487	0.000348406	0.003396957	0.000540029
2260004030	0.000313436	0.010691274	0.000380518	0.000131718	0.001240024	0.00026863	0.000580515
2260004031	0.000555131	0.005854107	0.000555131	0.000555131	0.000336443	0.003280317	0.000521487
2260004035	0.000179369	0.00613614	0.000332028	0.000114853	0.000633924	0.000140933	0.000350163
2260004036	0.000416367	0.002040789	0.000475011	0.00017593	0.000117287	0.000363588	0.000181795
2260004071	2.44749E-07	2.58099E-06	2.44749E-07	2.44749E-07	1.48333E-07	1.44624E-06	2.29916E-07
2260005035	1.80406E-05	1.1883E-07	6.47338E-07	8.76851E-06	1.65348E-05	1.52769E-05	2.52561E-05
2260006005	1.83028E-05	0.000950276	1.83028E-05	8.05319E-06	8.49245E-05	2.78201E-05	5.85686E-05
2260006010	0.000124277	0.006452448	0.000124277	5.46817E-05	0.000576644	0.0001889	0.000397685
2260006015	4.85515E-08	2.52079E-06	4.85515E-08	2.13626E-08	2.2528E-07	7.37984E-08	1.55365E-07
2260006035	7.52441E-07	3.90667E-05	7.52441E-07	3.31074E-07	3.49133E-06	1.14371E-06	2.40781E-06
2260007005	0.000324662	2.32837E-06	8.61368E-05	0.001112074	0.000348164	0.000189031	0.000469127
2265001010	0.002740293	0.002192233	0.007672824	0.000548059	0.002740293	0	0.00438447
2265001030	0.028440599	0.022752477	0.079633528	0.005688114	0.028440599	0	0.045504929
2265001050	0.001111713	0.01445232	0.00222343	0.001111713	0.008893719	0.005558574	0.010005444
2265001060	0.001025798	0.000820639	0.002872236	0.00020516	0.001025798	0	0.001641279
2265002003	1.7747E-05	0.001001017	0.000171833	2.90203E-05	6.45457E-05	1.96897E-05	7.39511E-05
2265002006	1.31919E-07	7.44092E-06	1.2773E-06	2.15718E-07	4.79791E-07	1.4636E-07	5.49705E-07

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FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2260001010	0.005419974	0.007226634	0.007226634	0.012646611	0	0.001806656	0.003613317
2260001020	0.339957006	0.053326802	0.053326802	0	0.0399951	0.051104698	0
2260001030	0.005854806	0.007806411	0.007806411	0.013661205	0	0.0019516	0.003903204
2260001060	0.000808309	0.001077746	0.001077746	0.001886057	0	0.000269437	0.000538873
2260002006	7.87128E-06	4.26232E-05	9.09397E-05	3.73609E-05	4.3575E-05	6.7307E-05	0.000382843
2260002009	4.54804E-07	2.46277E-06	5.25451E-06	2.15872E-06	2.51777E-06	3.88901E-06	2.21207E-05
2260002021	5.44489E-07	2.94841E-06	6.29068E-06	2.58441E-06	3.01426E-06	4.6559E-06	2.64827E-05
2260002027	4.03329E-09	2.18403E-08	4.65981E-08	1.91439E-08	2.23281E-08	3.44885E-08	1.96171E-07
2260002039	2.01863E-05	0.000109309	0.000233219	9.58139E-05	0.00011175	0.000172612	0.000981818
2260002054	1.07094E-07	5.79917E-07	1.2373E-06	5.08322E-07	5.92868E-07	9.15758E-07	5.20884E-06
2260003030	2.54653E-07	7.31101E-07	2.73342E-06	3.3798E-06	4.22334E-06	3.53639E-06	1.13588E-05
2260003040	2.02889E-08	5.82487E-08	2.17778E-07	2.69278E-07	3.36485E-07	2.81754E-07	9.04981E-07
2260004015	4.489E-06	2.58014E-05	2.37202E-05	2.08312E-05	3.66407E-05	2.81182E-05	0.000134232
2260004016	5.92062E-05	5.92062E-05	5.92062E-05	0.000349854	2.69118E-05	5.92062E-05	0.000263736
2260004020	5.9632E-05	0.000342745	0.0003151	0.000276721	0.000486736	0.000373522	0.00178314
2260004021	0.000720904	0.000720904	0.000720904	0.00425988	0.000327683	0.000720904	0.003211296
2260004025	8.27164E-05	0.000475428	0.00043708	0.000383845	0.000675159	0.000518118	0.002473434
2260004026	0.00057487	0.00057487	0.00057487	0.003396957	0.000261304	0.00057487	0.002560782
2260004030	5.32654E-05	0.000306153	0.000281458	0.000247178	0.00043477	0.000333643	0.00159277
2260004031	0.000555131	0.000555131	0.000555131	0.003280317	0.000252332	0.000555131	0.002472857
2260004035	5.61447E-05	0.000205458	0.000188855	0.000138564	0.000252293	0.000215947	0.000827574
2260004036	6.45078E-05	0.000398775	0.000398775	0.00040464	8.79651E-05	0.000410505	0.000862059
2260004071	2.44749E-07	2.44749E-07	2.44749E-07	1.44624E-06	1.1125E-07	2.44749E-07	1.09025E-06
2260005035	3.35707E-06	1.76842E-05	2.33122E-05	1.29016E-05	6.08991E-06	6.86905E-06	2.42808E-05
2260006005	4.39265E-06	2.63558E-05	2.26954E-05	2.92843E-05	3.88018E-05	2.48917E-05	0.000215239
2260006010	2.98264E-05	0.000178958	0.000154103	0.000198842	0.000263466	0.000169016	0.001461492
2260006015	1.16524E-08	6.99143E-08	6.0204E-08	7.76825E-08	1.02929E-07	6.60301E-08	5.70966E-07
2260006035	1.80586E-07	1.08351E-06	9.33028E-07	1.2039E-06	1.59517E-06	1.02332E-06	8.8487E-06
2260007005	0.000407548	0.000251969	0.000410328	8.01235E-05	0.000390347	0.000578161	7.59311E-05
2265001010	0.001644177	0.002192233	0.002192233	0.003836412	0	0.000548059	0.001096117
2265001030	0.017064351	0.022752477	0.022752477	0.03981681	0	0.005688114	0.011376219
2265001050	0.001111713	0.003335145	0.003335145	0	0.005558574	0.004446855	0.021122577
2265001060	0.000615479	0.000820639	0.000820639	0.001436116	0	0.00020516	0.00041032
2265002003	5.64884E-06	3.05886E-05	6.5263E-05	2.68121E-05	3.12716E-05	4.8303E-05	0.000274747
2265002006	4.19899E-08	2.27376E-07	4.85124E-07	1.99304E-07	2.32453E-07	3.59054E-07	2.0423E-06

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FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2260001010	0.0560064	0.012646611	0.010839948	0.007226634
2260001020	0.0466608	0	0.079990201	0
2260001030	0.06049968	0.013661205	0.011709603	0.007806411
2260001060	0.008352528	0.001886057	0.001616624	0.001077746
2260002006	0.000147155	0.000379713	1.56533E-05	0.00098849
2260002009	8.50265E-06	2.19399E-05	9.0445E-07	5.71151E-05
2260002021	1.01793E-05	2.62663E-05	1.0828E-06	6.83779E-05
2260002027	7.54033E-08	1.94567E-07	8.02084E-09	5.06508E-07
2260002039	0.000377386	0.000973791	4.01436E-05	0.00253503
2260002054	2.00215E-06	5.16625E-06	2.12974E-07	1.34491E-05
2260003030	8.60482E-07	2.21759E-05	3.26942E-06	4.02131E-05
2260003040	6.85567E-08	1.76681E-06	2.60483E-07	3.20388E-06
2260004015	3.03161E-05	0.000246588	1.66907E-05	0.000242055
2260004016	6.81768E-05	0.001155419	5.92062E-05	0.00070868
2260004020	0.00040272	0.003275676	0.000221719	0.003215472
2260004021	0.000830131	0.014068561	0.000720904	0.008628996
2260004025	0.000558619	0.004543752	0.000307551	0.004460235
2260004026	0.000661971	0.011218674	0.00057487	0.006881013
2260004030	0.000359723	0.002925959	0.000198047	0.00287217
2260004031	0.000639241	0.010833456	0.000555131	0.006644748
2260004035	0.000288769	0.001516182	0.000120326	0.001497684
2260004036	0.000222845	0.00377664	0.000263895	0.002316414
2260004071	2.81832E-07	4.77631E-06	2.44749E-07	2.92957E-06
2260005035	1.11786E-05	1.90637E-05	6.45159E-06	5.10448E-05
2260006005	3.58733E-05	0.000311878	1.46422E-05	0.000333841
2260006010	0.000243582	0.002117676	9.94213E-05	0.002266812
2260006015	9.51611E-08	8.27318E-07	3.88412E-08	8.85581E-07
2260006035	1.47479E-06	1.28216E-05	6.01952E-07	1.37245E-05
2260007005	0.000178938	0.000217204	0.00017374	0.000198394
2265001010	0.016989819	0.003836412	0.003288351	0.002192233
2265001030	0.176331363	0.03981681	0.034128659	0.022752477
2265001050	0.006670287	0.04002171	0.00222343	0.02890455
2265001060	0.006359955	0.001436116	0.001230958	0.000820639
2265002003	0.000105606	0.000272501	1.12336E-05	0.000709391
2265002006	7.85009E-07	2.0256E-06	8.35035E-08	5.27316E-06

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FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2265002009	0.000232226	0.00295539	8.57396E-05	0.000201396	4.78889E-05	0.000854608	0.00030501
2265002015	0.000229734	0.002923677	8.48195E-05	0.000199235	4.7375E-05	0.000845438	0.000301737
2265002021	0.000450277	0.005730378	0.000166246	0.000390499	9.28545E-05	0.00165705	0.000591401
2265002024	0.000188641	0.002400708	6.96475E-05	0.000163597	3.89008E-05	0.00069421	0.000247764
2265002027	9.50542E-06	0.000120969	3.50947E-06	8.24349E-06	1.96018E-06	3.49806E-05	1.24846E-05
2265002030	0.000398931	0.00507693	0.000147288	0.000345969	8.22662E-05	0.001468095	0.000523962
2265002033	0.000133514	0.001699143	4.92943E-05	0.000115789	2.75328E-05	0.00049134	0.000175359
2265002039	0.000839635	0.01068549	0.000309999	0.000728166	0.000173147	0.003089913	0.001102791
2265002042	0.000408457	0.005198163	0.000150805	0.000354231	8.42306E-05	0.001503153	0.000536473
2265002045	3.3397E-05	0.000425022	1.23304E-05	2.89633E-05	6.88703E-06	0.000122903	4.38642E-05
2265002054	5.36978E-05	0.000683377	1.98256E-05	4.65689E-05	1.10734E-05	0.000197612	7.05276E-05
2265002057	5.14601E-05	0.000654899	1.89995E-05	4.46283E-05	1.06119E-05	0.000189377	6.75885E-05
2265002060	0.000121983	0.001552404	4.50371E-05	0.000105789	2.5155E-05	0.000448907	0.000160215
2265002066	0.000275804	0.003509979	0.000101829	0.000239189	5.68754E-05	0.001014978	0.000362245
2265002072	0.000194183	0.002471238	7.16938E-05	0.000168403	4.00438E-05	0.000714607	0.000255043
2265002078	6.40165E-05	0.000814697	2.36354E-05	5.55178E-05	1.32013E-05	0.000235585	8.40803E-05
2265002081	4.57185E-05	0.00058183	1.68796E-05	3.9649E-05	9.42791E-06	0.000168247	6.00474E-05
2265003010	0.000663246	0.00510468	0.000306647	0.001027327	0.00035737	0.003377952	0.000834008
2265003020	0.002120616	0.01632132	0.000980452	0.0032847	0.001142628	0.010800444	0.002666604
2265003030	0.000507552	0.003906372	0.000234662	0.000786166	0.000273479	0.002584992	0.000638228
2265003040	0.00089415	0.006881832	0.000413404	0.00138498	0.000481786	0.004553964	0.001124363
2265003050	4.648E-05	0.000357733	2.14897E-05	7.19947E-05	2.50444E-05	0.000236725	5.8447E-05
2265003060	1.46201E-05	0.000195818	1.11087E-05	2.77156E-05	7.7163E-06	5.90546E-05	1.97441E-05
2265003070	0.000200071	0.00153984	9.25012E-05	0.000309898	0.000107802	0.001018974	0.000251582
2265004010	0.008293716	0.123731728	0.007078356	0.017498583	0.004531662	0.03439225	0.012165585
2265004011	0.000752163	0.053905019	0.000961097	0.00313401	0.001378965	0.017383272	0.003760814
2265004015	0.000700701	0.010453587	0.000598021	0.001478377	0.000382861	0.002905657	0.00102782
2265004016	0.000407248	0.029186088	0.000520372	0.001696867	0.000746621	0.009411939	0.002036239
2265004025	4.53748E-05	0.000676936	3.87257E-05	9.57344E-05	2.47927E-05	0.00018816	6.65578E-05
2265004026	1.81589E-05	0.001301387	2.3203E-05	7.56619E-05	3.32912E-05	0.000419671	9.07942E-05
2265004030	8.68629E-05	0.001295888	7.41341E-05	0.000183269	4.74617E-05	0.000360203	0.000127415
2265004031	0.000786591	0.056372459	0.00100509	0.003277467	0.001442087	0.018179022	0.003932961
2265004035	0.000886389	0.01401948	0.000780762	0.001875996	0.000570888	0.0036732	0.001322976
2265004036	0.000271024	0.019423409	0.000346308	0.001129269	0.001219608	0.00626367	0.001355121
2265004040	0.001675278	0.024993096	0.001429789	0.003534606	0.000915369	0.006947028	0.002457374

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FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2265002009	0.000105102	0.001133367	0.000430814	0.00019389	3.8423E-06	9.82408E-05	0.000669794
2265002015	0.000103975	0.001121206	0.000426191	0.000191809	3.80107E-06	9.71866E-05	0.000662606
2265002021	0.000203789	0.002197551	0.00083533	0.000375944	7.45006E-06	0.000190485	0.001298703
2265002024	8.53761E-05	0.000920651	0.000349956	0.000157499	3.12116E-06	7.98023E-05	0.000544083
2265002027	4.30202E-06	4.63907E-05	1.76339E-05	7.93626E-06	1.57272E-07	4.02117E-06	2.74158E-05
2265002030	0.00018055	0.001946958	0.000740075	0.000333075	6.60052E-06	0.000168763	0.00115061
2265002033	6.04264E-05	0.000651608	0.000247688	0.000111473	2.20906E-06	5.64816E-05	0.000385085
2265002039	0.000380007	0.004097793	0.001557648	0.000701027	1.38922E-05	0.000355198	0.002421699
2265002042	0.000184862	0.001993449	0.000757747	0.000341028	6.75813E-06	0.000172793	0.001178084
2265002045	1.5115E-05	0.000162992	6.19564E-05	2.78838E-05	5.52571E-07	1.41282E-05	9.63247E-05
2265002054	2.43029E-05	0.000262069	9.96173E-05	4.48333E-05	8.88458E-07	2.27163E-05	0.000154877
2265002057	2.32901E-05	0.000251148	9.54661E-05	4.2965E-05	8.51434E-07	2.17697E-05	0.000148423
2265002060	5.52079E-05	0.000595333	0.000226297	0.000101846	2.01828E-06	5.16037E-05	0.000351828
2265002066	0.000124825	0.001346049	0.000511657	0.000230274	4.56332E-06	0.000116676	0.000795483
2265002072	8.78844E-05	0.000947701	0.000360238	0.000162127	3.21286E-06	8.2147E-05	0.000560068
2265002078	2.8973E-05	0.00031243	0.00011876	5.34486E-05	1.05919E-06	2.70815E-05	0.000184638
2265002081	2.06915E-05	0.000223127	8.48145E-05	3.81712E-05	7.56436E-07	1.93407E-05	0.000131862
2265003010	0.00055905	0.00346956	0.00144114	0.000541886	0.000121195	0.000262306	0.000708632
2265003020	0.001787472	0.011093304	0.004607808	0.001732584	0.000387502	0.000838678	0.002265732
2265003030	0.000427816	0.002655084	0.001102838	0.00041468	9.27452E-05	0.00020073	0.000542284
2265003040	0.000753679	0.004677456	0.00194286	0.00073054	0.000163388	0.000353626	0.000955338
2265003050	3.9178E-05	0.000243145	0.000100995	3.79751E-05	8.49332E-06	1.83823E-05	4.96607E-05
2265003060	9.70325E-06	9.42264E-05	2.75592E-05	2.32602E-05	9.04552E-07	9.241E-06	2.14344E-05
2265003070	0.00016864	0.001046604	0.000434725	0.000163462	3.65591E-05	7.91255E-05	0.000213762
2265004010	0.005378505	0.052232281	0.01497801	0.015013533	0.000575524	0.006026847	0.009462651
2265004011	0.001378965	0.06322347	0.006226233	0.004554763	0	0.001378965	0.004930844
2265004015	0.000454407	0.004412892	0.001265433	0.00126843	4.86236E-05	0.000509184	0.000799462
2265004016	0.000746621	0.034231422	0.003371105	0.00246611	0	0.000746621	0.002669736
2265004025	2.94258E-05	0.000285763	8.19444E-05	8.21389E-05	3.14869E-06	3.29729E-05	5.17702E-05
2265004026	3.32912E-05	0.001526351	0.000150315	0.000109962	0	3.32912E-05	0.000119042
2265004030	5.6331E-05	0.000547048	0.00015687	0.000157242	6.02767E-06	6.31214E-05	9.9106E-05
2265004031	0.001442087	0.066117452	0.006511236	0.004763254	0	0.001442087	0.005156547
2265004035	0.00069312	0.00550746	0.001728147	0.001576239	0.000110017	0.000736581	0.001305276
2265004036	0.001535805	0.022781101	0.002243478	0.001641204	0	0.00146052	0.001776714
2265004040	0.001086425	0.010550628	0.00302547	0.003032645	0.000116252	0.001217391	0.0019114

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FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2265002009	0.001633311	7.64586E-05	8.06208E-05	7.474E-05	0.000106114	0.000131244	0.000505118
2265002015	0.001615785	7.56382E-05	7.97557E-05	7.3938E-05	0.000104975	0.000129836	0.000499697
2265002021	0.00316692	0.00014825	0.00015632	0.000144917	0.00020575	0.000254477	0.000979403
2265002024	0.001326763	6.21084E-05	6.54895E-05	6.07124E-05	8.61975E-05	0.000106612	0.000410315
2265002027	6.68543E-05	3.12959E-06	3.29995E-06	3.05924E-06	4.34341E-06	5.37206E-06	2.06753E-05
2265002030	0.002805792	0.000131345	0.000138495	0.000128393	0.000182288	0.000225459	0.000867719
2265002033	0.00093904	4.39583E-05	4.63514E-05	4.29703E-05	6.10078E-05	7.54563E-05	0.000290407
2265002039	0.005905386	0.000276443	0.000291492	0.000270229	0.000383663	0.000474526	0.001826301
2265002042	0.002872788	0.000134481	0.000141802	0.000131459	0.000186641	0.000230842	0.000888439
2265002045	0.00023489	1.09957E-05	1.15943E-05	1.07486E-05	1.52605E-05	1.88746E-05	7.26423E-05
2265002054	0.000377671	1.76796E-05	1.8642E-05	1.72822E-05	2.45367E-05	3.03477E-05	0.000116799
2265002057	0.000361933	1.69428E-05	1.78652E-05	1.6562E-05	2.35142E-05	2.90831E-05	0.000111932
2265002060	0.000857942	4.0162E-05	4.23483E-05	3.92593E-05	5.5739E-05	6.89398E-05	0.000265327
2265002066	0.001939809	9.08063E-05	9.57496E-05	8.87652E-05	0.000126026	0.000155872	0.000599905
2265002072	0.001365742	6.39332E-05	6.74136E-05	6.24962E-05	8.873E-05	0.000109744	0.00042237
2265002078	0.000450246	2.10769E-05	2.22243E-05	2.06032E-05	2.92517E-05	3.61794E-05	0.000139243
2265002081	0.000321551	1.50524E-05	1.58719E-05	1.47141E-05	2.08906E-05	2.58381E-05	9.94428E-05
2265003010	0.002076996	0.000273749	0.000388232	0.000270668	0.000594204	0.000820366	0.001046912
2265003020	0.006640824	0.000875264	0.001241304	0.000865415	0.001899864	0.002622984	0.003347328
2265003030	0.001589424	0.000209488	0.000297096	0.00020713	0.000454717	0.000627787	0.000801154
2265003040	0.00280008	0.000369052	0.000523392	0.000364898	0.000801072	0.001105969	0.001411392
2265003050	0.000145555	1.91842E-05	2.72071E-05	1.89683E-05	4.16416E-05	5.74909E-05	7.33672E-05
2265003060	6.95987E-05	6.37656E-06	1.28935E-05	5.80775E-06	9.9779E-06	1.39384E-05	3.36452E-05
2265003070	0.000626532	8.25773E-05	0.000117112	8.1648E-05	0.000179244	0.000247466	0.000315805
2265004010	0.037765776	0.003589388	0.007724064	0.003380906	0.005747013	0.007857642	0.019137936
2265004011	0.059504427	0.001378965	0.001378965	0.008106633	0.000752163	0.008106633	0.013789647
2265004015	0.003190675	0.000303253	0.000652573	0.000285639	0.000485542	0.000663861	0.001616883
2265004016	0.032217844	0.000746621	0.000746621	0.004389226	0.000407248	0.004389226	0.007466208
2265004025	0.000206617	1.96376E-05	4.22583E-05	1.84969E-05	3.14419E-05	4.29892E-05	0.000104704
2265004026	0.001436571	3.32912E-05	3.32912E-05	0.000195712	1.81589E-05	0.000195712	0.000332912
2265004030	0.000395535	3.75929E-05	8.08967E-05	3.54094E-05	6.01906E-05	8.2296E-05	0.000200438
2265004031	0.062228161	0.001442087	0.001442087	0.0084777	0.000786591	0.0084777	0.014420868
2265004035	0.00405885	0.000470223	0.000913773	0.000441096	0.000673176	0.001025007	0.002128809
2265004036	0.02144103	0.001008813	0.002032683	0.000918471	0.000271024	0.002198307	0.00496878
2265004040	0.00762846	0.000725035	0.001560215	0.000682923	0.00116086	0.0015872	0.00386575

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2265002009	0.000564307	0.000560442	3.99133E-05	0.000426909	0.000280287	1.62036E-05	0.000218246
2265002015	0.000558252	0.000554428	3.9485E-05	0.000422328	0.000277279	1.60297E-05	0.000215904
2265002021	0.001094166	0.001086673	7.73902E-05	0.000827758	0.000543465	3.1418E-05	0.00042317
2265002024	0.000458395	0.000455256	3.24222E-05	0.000346784	0.000227681	1.31624E-05	0.000177284
2265002027	2.30981E-05	2.29399E-05	1.63372E-06	1.74742E-05	1.14726E-05	6.63241E-07	8.93319E-06
2265002030	0.000969397	0.000962758	6.85653E-05	0.000733367	0.000481493	2.78354E-05	0.000374915
2265002033	0.000324437	0.000322215	2.29473E-05	0.000245443	0.000161145	9.31593E-06	0.000125476
2265002039	0.002040306	0.002026332	0.00014431	0.001543527	0.001013404	5.85855E-05	0.000789088
2265002042	0.000992546	0.000985748	7.02025E-05	0.000750879	0.00049299	2.85001E-05	0.000383867
2265002045	8.11544E-05	8.05986E-05	5.74004E-06	6.13948E-05	4.03088E-05	2.33027E-06	3.13865E-05
2265002054	0.000130485	0.000129591	9.22918E-06	9.87144E-05	6.4811E-05	3.74677E-06	5.04652E-05
2265002057	0.000125047	0.000124191	8.84458E-06	9.46007E-05	6.21101E-05	3.59063E-06	4.83622E-05
2265002060	0.000296418	0.000294388	2.09656E-05	0.000224246	0.000147229	8.51138E-06	0.00011464
2265002066	0.000670201	0.000665611	4.74032E-05	0.000507019	0.000332884	1.92442E-05	0.000259201
2265002072	0.000471862	0.000468631	3.33747E-05	0.000356973	0.000234371	1.35491E-05	0.000182493
2265002078	0.00015556	0.000154494	1.10027E-05	0.000117684	7.72652E-05	4.46675E-06	6.01627E-05
2265002081	0.000111095	0.000110335	7.85776E-06	8.40457E-05	5.51803E-05	3.19001E-06	4.29662E-05
2265003010	0.00099938	0.001802916	0.000671609	0.003130392	0.000375414	2.58014E-05	0.000903876
2265003020	0.003195348	0.0057645	0.002147352	0.0100089	0.001200324	8.24958E-05	0.002889996
2265003030	0.000764779	0.001379688	0.00051395	0.002395548	0.000287287	1.97447E-05	0.000691694
2265003040	0.001347312	0.002430588	0.000905424	0.00422022	0.000506112	3.4784E-05	0.001218552
2265003050	7.00362E-05	0.000126347	4.7066E-05	0.000219377	2.63088E-05	1.80816E-06	6.33433E-05
2265003060	3.90805E-05	8.56063E-05	5.34102E-06	4.36702E-05	2.26979E-05	7.7047E-07	2.03342E-05
2265003070	0.000301466	0.000543856	0.000202594	0.000944296	0.000113245	7.78312E-06	0.000272658
2265004010	0.022611039	0.049193184	0.00359438	0.024360822	0.013873017	0.000495068	0.012063933
2265004011	0.02243952	0.03255195	0.001378965	0.009025944	0.002298278	0.001378965	0.0044294
2265004015	0.001910312	0.004156127	0.000303674	0.002058141	0.001172079	4.18262E-05	0.001019235
2265004016	0.012149532	0.017624784	0.000746621	0.004886974	0.001244368	0.000746621	0.002398235
2265004025	0.000123705	0.000269136	1.96648E-05	0.000133278	7.58994E-05	2.70851E-06	6.60019E-05
2265004026	0.00054174	0.000785875	3.32912E-05	0.000217906	5.54855E-05	3.32912E-05	0.000106936
2265004030	0.000236814	0.000515218	3.76452E-05	0.000255139	0.000145298	5.18502E-06	0.00012635
2265004031	0.023466639	0.034041934	0.001442087	0.009439113	0.002403473	0.001442087	0.004632152
2265004035	0.002688558	0.00523041	0.000435918	0.002761098	0.001602312	0.000210588	0.001320828
2265004036	0.00808557	0.011729341	0.000843186	0.0032523	0.000828129	0.000120455	0.001596033
2265004040	0.004567294	0.009936738	0.000726044	0.004920739	0.002802275	0.000100001	0.002436851

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2265002009	3.35261E-05	2.95632E-05	8.00598E-05	0.000130903	7.15054E-05	1.64689E-05	0.000160518
2265002015	3.31663E-05	2.9246E-05	7.92006E-05	0.000129499	7.07381E-05	1.62921E-05	0.000158796
2265002021	6.50057E-05	5.73218E-05	0.000155232	0.000253816	0.000138646	3.19324E-05	0.000311238
2265002024	2.72337E-05	2.40146E-05	6.50337E-05	0.000106335	5.80848E-05	1.33779E-05	0.000130391
2265002027	1.37228E-06	1.21008E-06	3.27699E-06	5.35811E-06	2.92684E-06	6.74098E-07	6.57029E-06
2265002030	5.7593E-05	5.07853E-05	0.000137531	0.000224873	0.000122836	2.82911E-05	0.000275747
2265002033	1.92752E-05	1.69968E-05	4.60288E-05	7.52604E-05	4.11106E-05	9.46844E-06	9.22868E-05
2265002039	0.000121216	0.000106889	0.000289464	0.000473294	0.000258534	5.95446E-05	0.000580368
2265002042	5.89682E-05	5.1998E-05	0.000140815	0.000230243	0.000125769	2.89667E-05	0.000282331
2265002045	4.82147E-06	4.25156E-06	1.15136E-05	1.88256E-05	1.02834E-05	2.36842E-06	2.30845E-05
2265002054	7.75226E-06	6.83592E-06	1.85122E-05	3.02689E-05	1.65343E-05	3.8081E-06	3.71167E-05
2265002057	7.42921E-06	6.55105E-06	1.77408E-05	2.90075E-05	1.58452E-05	3.64941E-06	3.557E-05
2265002060	1.76105E-05	1.55289E-05	4.20536E-05	6.87608E-05	3.75602E-05	8.65072E-06	8.43167E-05
2265002066	3.98173E-05	3.51109E-05	9.50832E-05	0.000155468	8.49236E-05	1.95593E-05	0.00019064
2265002072	2.80339E-05	2.47202E-05	6.69444E-05	0.000109459	5.97914E-05	1.37709E-05	0.000134222
2265002078	9.24196E-06	8.14953E-06	2.20696E-05	3.60855E-05	1.97115E-05	4.53988E-06	4.42492E-05
2265002081	6.6003E-06	5.82013E-06	1.57614E-05	2.5771E-05	1.40773E-05	3.24223E-06	3.16013E-05
2265003010	0.000220495	6.92623E-05	0.000217854	0.000403746	0.000422946	0.000185947	0.001304052
2265003020	0.000704996	0.000221454	0.000696553	0.001290912	0.001352292	0.000594533	0.004169472
2265003030	0.000168734	5.30033E-05	0.000166714	0.000308969	0.00032366	0.000142296	0.000997926
2265003040	0.000297259	9.33755E-05	0.000293699	0.000544307	0.000570192	0.000250682	0.001758036
2265003050	1.54522E-05	4.85388E-06	1.52671E-05	2.82943E-05	2.96399E-05	1.3031E-05	9.13871E-05
2265003060	2.218E-06	6.26134E-06	7.08764E-06	1.37772E-05	7.08486E-06	3.54258E-06	3.26419E-05
2265003070	6.65132E-05	2.08932E-05	6.57167E-05	0.000121792	0.000127583	5.60915E-05	0.000393371
2265004010	0.001254699	0.003313373	0.003958194	0.007420728	0.004475577	0.002048394	0.020352087
2265004011	0.001378965	0.001378965	0.008148444	0.00117003	0.001378965	0.001378965	0.005933727
2265004015	0.000106004	0.000279933	0.000334412	0.000626947	0.000378123	0.00017306	0.001719467
2265004016	0.000746621	0.000746621	0.004411849	0.000633496	0.000746621	0.000746621	0.00321273
2265004025	6.86446E-06	1.81274E-05	2.16552E-05	4.05988E-05	2.44858E-05	1.12068E-05	0.000111346
2265004026	3.32912E-05	3.32912E-05	0.000196721	2.82472E-05	3.32912E-05	3.32912E-05	0.000143253
2265004030	1.31409E-05	3.47021E-05	4.14556E-05	7.772E-05	4.68743E-05	2.14535E-05	0.000213155
2265004031	0.001442087	0.001442087	0.008521407	0.001223587	0.001442087	0.001442087	0.006205335
2265004035	0.000165646	0.000404334	0.000511704	0.000904734	0.000534153	0.000242697	0.002288658
2265004036	0.000346308	0.000993756	0.001114212	0.000421593	0.001114212	0.000557106	0.002138079
2265004040	0.000253442	0.000669281	0.000799531	0.001498944	0.000904041	0.000413763	0.004111006

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FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2265002009	0.001050871	0.00011664	0.000414507	0.000816721	0.000376533	0.000147193	2.46679E-05
2265002015	0.001039594	0.000115389	0.000410059	0.000807957	0.000372492	0.000145613	2.44032E-05
2265002021	0.002037591	0.000226161	0.000803712	0.001583589	0.000730081	0.0002854	4.78301E-05
2265002024	0.000853637	9.47486E-05	0.00033671	0.000663434	0.000305863	0.000119566	2.00381E-05
2265002027	4.30139E-05	4.77429E-06	1.69665E-05	3.34298E-05	1.54122E-05	6.02484E-06	1.0097E-06
2265002030	0.001805241	0.000200371	0.000712063	0.001403007	0.000646829	0.000252855	4.23759E-05
2265002033	0.000604177	6.70601E-05	0.000238313	0.000469558	0.00021648	8.46253E-05	1.41823E-05
2265002039	0.003799515	0.000421724	0.001498686	0.002952927	0.001361389	0.000532187	8.9189E-05
2265002042	0.001848348	0.000205156	0.000729066	0.001436511	0.000662274	0.000258893	4.33877E-05
2265002045	0.000151128	1.67743E-05	5.96113E-05	0.000117455	5.41501E-05	2.11681E-05	3.54755E-06
2265002054	0.000242993	2.69708E-05	9.58467E-05	0.000188851	8.70659E-05	3.40354E-05	5.70397E-06
2265002057	0.000232867	2.58469E-05	9.18526E-05	0.000180981	8.34377E-05	3.2617E-05	5.46628E-06
2265002060	0.000551998	6.12686E-05	0.000217732	0.000429005	0.000197784	7.73169E-05	1.29575E-05
2265002066	0.00124807	0.000138528	0.000492291	0.000969981	0.00044719	0.000174813	2.9297E-05
2265002072	0.000878716	9.75324E-05	0.000346603	0.000682926	0.000314849	0.000123079	2.06268E-05
2265002078	0.000289688	3.21536E-05	0.000114265	0.000225141	0.000103797	4.05757E-05	6.80007E-06
2265002081	0.000206885	2.29631E-05	8.16043E-05	0.000160788	7.41282E-05	2.89778E-05	4.85638E-06
2265003010	0.004967916	0.000535724	0.000916309	0.002165784	0.002061252	0.001258548	0.000522521
2265003020	0.01588404	0.001712892	0.00292974	0.00692472	0.00659052	0.004023996	0.001670676
2265003030	0.003801708	0.000409964	0.000701209	0.001657368	0.001577388	0.00096311	0.000399862
2265003040	0.006697452	0.000722233	0.001235316	0.00291978	0.002778864	0.001696704	0.000704432
2265003050	0.000348149	3.75433E-05	6.42146E-05	0.000151777	0.000144452	8.81987E-05	3.6618E-05
2265003060	7.40128E-05	1.45108E-05	1.88106E-05	4.90715E-05	4.86766E-05	1.83756E-05	7.03444E-06
2265003070	0.001498584	0.000161603	0.000276408	0.000653317	0.000621786	0.000379646	0.00015762
2265004010	0.040479259	0.008986404	0.011200356	0.027702942	0.031478172	0.010975473	0.004382201
2265004011	0.029208972	0.001044669	0.003426516	0.024110976	0.017508672	0.001337176	0.000919311
2265004015	0.003419928	0.000759224	0.000946276	0.00234051	0.002659462	0.000927273	0.000370234
2265004016	0.015814806	0.000565622	0.001855242	0.013054566	0.009479826	0.000723996	0.000497747
2265004025	0.000221462	4.91645E-05	6.12773E-05	0.000151563	0.000172217	6.00468E-05	2.3975E-05
2265004026	0.00070517	2.52206E-05	8.27238E-05	0.000582093	0.000422698	3.22824E-05	2.21941E-05
2265004030	0.000423954	9.41177E-05	0.000117306	0.000290143	0.000329682	0.00011495	4.58964E-05
2265004031	0.030545974	0.001092491	0.003583368	0.025214665	0.018310107	0.001398389	0.000961391
2265004035	0.00439839	0.00095757	0.001203153	0.00314307	0.00346974	0.001266894	0.000519435
2265004036	0.01052478	0.000376422	0.001234665	0.00868782	0.00630885	0.000481821	0.000331251
2265004040	0.008176563	0.001815196	0.002262413	0.005595834	0.006358413	0.002216979	0.00088518

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FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2265002009	0.000261556	7.77029E-05	0.000622813	0.001696764	2.90761E-05	0.000687563	0.000120505
2265002015	0.000258749	7.68691E-05	0.00061613	0.00167856	2.87641E-05	0.000680185	0.000119212
2265002021	0.000507147	0.000150663	0.001207607	0.003289956	5.63773E-05	0.001333154	0.000233654
2265002024	0.000212466	6.31192E-05	0.00050592	0.001378308	2.36189E-05	0.000558517	9.78881E-05
2265002027	1.0706E-05	3.18051E-06	2.54928E-05	6.94517E-05	1.19014E-06	2.81431E-05	4.93249E-06
2265002030	0.000449315	0.000133483	0.001069902	0.002914797	4.99485E-05	0.001181133	0.000207011
2265002033	0.000150376	4.46737E-05	0.000358074	0.000975523	1.67168E-05	0.000395301	6.92821E-05
2265002039	0.00094568	0.000280942	0.002251839	0.006134814	0.000105127	0.002485947	0.000435698
2265002042	0.000460045	0.00013667	0.001095451	0.0029844	5.11412E-05	0.001209334	0.000211954
2265002045	3.76151E-05	1.11746E-05	8.95683E-05	0.000244016	4.18151E-06	9.88802E-05	1.73302E-05
2265002054	6.04798E-05	1.79673E-05	0.000144014	0.000392345	6.72328E-06	0.000158986	2.78645E-05
2265002057	5.79595E-05	1.72186E-05	0.000138012	0.000375995	6.44311E-06	0.00015236	2.67033E-05
2265002060	0.00013739	4.08156E-05	0.00032715	0.000891274	1.5273E-05	0.000361162	6.32987E-05
2265002066	0.000310638	9.22841E-05	0.000739686	0.002015175	3.45323E-05	0.000816586	0.000143119
2265002072	0.000218708	6.49737E-05	0.000520784	0.001418805	2.43129E-05	0.000574927	0.000100764
2265002078	7.21018E-05	2.14199E-05	0.000171687	0.000467739	8.01525E-06	0.000189537	3.3219E-05
2265002081	5.14927E-05	1.52974E-05	0.000122613	0.000334043	5.72422E-06	0.000135361	2.37239E-05
2265003010	0.00092126	0.000593269	0.00055982	0.005635452	0.000131648	0.001443072	0.000581221
2265003020	0.00294558	0.001896876	0.001789932	0.018018359	0.000420922	0.004613964	0.001858356
2265003030	0.000704999	0.000454001	0.000428405	0.004312548	0.000100744	0.001104312	0.000444781
2265003040	0.001241988	0.000799811	0.000754717	0.007597392	0.00017748	0.001945464	0.000783569
2265003050	6.45616E-05	4.1576E-05	3.9232E-05	0.00039493	9.22584E-06	0.00010113	4.07317E-05
2265003060	1.85311E-05	7.19342E-06	2.30747E-05	0.000118224	2.81279E-06	4.23251E-05	1.4458E-05
2265003070	0.000277902	0.000178962	0.000168872	0.001699956	3.97121E-05	0.000435306	0.000175327
2265004010	0.010985163	0.004428302	0.012884418	0.066414269	0.001691339	0.024908422	0.00965823
2265004011	0.001713263	0.001378965	0.003510096	0.101918102	0.001378965	0.009819891	0.008148444
2265004015	0.000928092	0.000374129	0.001088549	0.005611065	0.000142894	0.002104408	0.000815982
2265004016	0.00092762	0.000746621	0.001900487	0.055182088	0.000746621	0.005316843	0.004411849
2265004025	6.00998E-05	2.42272E-05	7.04904E-05	0.000363352	9.25329E-06	0.000136274	5.28401E-05
2265004026	4.13618E-05	3.32912E-05	8.47414E-05	0.002460527	3.32912E-05	0.000237074	0.000196721
2265004030	0.000115052	4.63792E-05	0.000134943	0.00069558	1.77139E-05	0.000260875	0.000101154
2265004031	0.001791682	0.001442087	0.00367076	0.106583343	0.001442087	0.010269408	0.008521407
2265004035	0.001208331	0.000500826	0.001689954	0.00723564	0.000184992	0.002612724	0.00103467
2265004036	0.000617334	0.001144326	0.001264779	0.036723901	0.000451707	0.00353838	0.002303706
2265004040	0.002218936	0.00089449	0.002602571	0.013415262	0.000341639	0.005031354	0.001950903

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FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2265002009	3.16178E-05	0.001783407	0.000306137	5.17023E-05	0.000114994	3.50791E-05	0.000131751
2265002015	3.12785E-05	0.001764267	0.000302851	5.11475E-05	0.00011376	3.47027E-05	0.000130337
2265002021	6.13056E-05	0.003457947	0.000593586	0.000100248	0.000222969	6.80169E-05	0.000255459
2265002024	2.56836E-05	0.001448685	0.000248679	4.19985E-05	9.34114E-05	2.84952E-05	0.000107023
2265002027	1.29417E-06	7.29979E-05	1.25307E-05	2.11626E-06	4.70691E-06	1.43585E-06	5.39279E-06
2265002030	5.43148E-05	0.003063633	0.000525898	8.8817E-05	0.000197543	6.02608E-05	0.000226328
2265002033	1.81781E-05	0.001025333	0.000176007	2.97252E-05	6.61136E-05	2.0168E-05	7.57475E-05
2265002039	0.000114317	0.006448062	0.001106864	0.000186934	0.000415772	0.000126832	0.000476357
2265002042	5.56117E-05	0.003136788	0.000538456	9.09378E-05	0.00020226	6.16997E-05	0.000231733
2265002045	4.54704E-06	0.000256476	4.40262E-05	7.43543E-06	1.65376E-05	5.04481E-06	1.89474E-05
2265002054	7.31101E-06	0.000412378	7.07882E-05	1.19552E-05	2.65902E-05	8.11136E-06	3.04648E-05
2265002057	7.00634E-06	0.000395193	6.78382E-05	1.14569E-05	2.54821E-05	7.77334E-06	2.91953E-05
2265002060	1.66081E-05	0.000936783	0.000160807	2.71581E-05	6.04039E-05	1.84263E-05	6.92058E-05
2265002066	3.7551E-05	0.002118063	0.000363584	6.14044E-05	0.000136573	4.16618E-05	0.000156475
2265002072	2.64382E-05	0.001491252	0.000255985	4.32324E-05	9.61558E-05	2.93324E-05	0.000110168
2265002078	8.71591E-06	0.000491622	8.4391E-05	1.42525E-05	3.16998E-05	9.67007E-06	3.6319E-05
2265002081	6.22461E-06	0.0003511	6.02693E-05	1.01786E-05	2.2639E-05	6.90604E-06	2.59378E-05
2265003010	9.80896E-05	0.00374094	4.24157E-05	0.000114649	0.001131634	0.000535229	0.000499966
2265003020	0.000313625	0.011961012	0.000135617	0.00036657	0.003618204	0.001711308	0.001598556
2265003030	7.50634E-05	0.002862768	3.24587E-05	8.77354E-05	0.000865987	0.000409586	0.000382601
2265003040	0.000132239	0.005043312	5.71823E-05	0.000154562	0.001525608	0.000721565	0.000674024
2265003050	6.87408E-06	0.000262163	2.97247E-06	8.03454E-06	7.93044E-05	3.75086E-05	3.50374E-05
2265003060	6.79504E-06	0.000229921	7.74583E-06	2.80954E-06	2.30164E-05	5.8659E-06	1.23166E-05
2265003070	2.95891E-05	0.001128468	1.27949E-05	3.45842E-05	0.000341362	0.000161454	0.000150816
2265004010	0.003917088	0.133611599	0.004755409	0.001646116	0.015496851	0.003357125	0.007254828
2265004011	0.001378965	0.014541801	0.001378965	0.001378965	0.000835736	0.008148444	0.00129539
2265004015	0.000330938	0.011288253	0.000401765	0.000139073	0.001309267	0.00028363	0.000612931
2265004016	0.000746621	0.007873461	0.000746621	0.000746621	0.000452497	0.004411849	0.000701371
2265004025	2.14303E-05	0.000730987	2.60168E-05	9.00588E-06	8.47834E-05	1.83668E-05	3.96911E-05
2265004026	3.32912E-05	0.000351072	3.32912E-05	3.32912E-05	2.01765E-05	0.000196721	3.12736E-05
2265004030	4.1025E-05	0.001399357	4.98051E-05	1.72404E-05	0.000162304	3.51604E-05	7.59825E-05
2265004031	0.001442087	0.015207459	0.001442087	0.001442087	0.000873991	0.008521407	0.001354688
2265004035	0.000460536	0.01575477	0.000852492	0.000294891	0.001627623	0.000361851	0.000899055
2265004036	0.001069041	0.0052398	0.001219608	0.000451707	0.000301137	0.000933528	0.000466764
2265004040	0.000791229	0.026988671	0.000960565	0.000332506	0.003130275	0.000678119	0.001465434

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FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2265002009	1.00639E-05	5.44964E-05	0.000116272	4.77683E-05	5.57134E-05	8.60563E-05	0.000489488
2265002015	9.95594E-06	5.39116E-05	0.000115025	4.72557E-05	5.51156E-05	8.51329E-05	0.000484236
2265002021	1.95135E-05	0.000105666	0.000225447	9.26208E-05	0.000108026	0.00016686	0.000949097
2265002024	8.17508E-06	4.42682E-05	9.44496E-05	3.88029E-05	4.52568E-05	6.99048E-05	0.000397618
2265002027	4.11934E-07	2.23063E-06	4.75922E-06	1.95524E-06	2.28045E-06	3.52243E-06	2.00356E-05
2265002030	1.72884E-05	9.36169E-05	0.000199739	8.20591E-05	9.57075E-05	0.000147832	0.00084087
2265002033	5.78606E-06	3.13316E-05	6.68484E-05	2.74634E-05	3.20313E-05	4.94764E-05	0.000281422
2265002039	3.63871E-05	0.000197036	0.000420393	0.000172711	0.000201437	0.000311144	0.00176979
2265002042	1.77012E-05	9.58523E-05	0.000204508	8.40185E-05	9.79928E-05	0.000151362	0.000860949
2265002045	1.44732E-06	7.83726E-06	1.67214E-05	6.86969E-06	8.01228E-06	1.2376E-05	7.03945E-05
2265002054	2.32709E-06	1.26013E-05	2.68857E-05	1.10455E-05	1.28827E-05	1.98989E-05	0.000113185
2265002057	2.23011E-06	1.20761E-05	2.57653E-05	1.05852E-05	1.23458E-05	1.90696E-05	0.000108468
2265002060	5.28637E-06	2.86257E-05	6.10752E-05	2.50916E-05	2.9265E-05	4.52035E-05	0.000257117
2265002066	1.19525E-05	6.47228E-05	0.000138091	5.67322E-05	6.61682E-05	0.000102205	0.000581342
2265002072	8.41527E-06	4.55688E-05	9.72246E-05	3.99429E-05	4.65864E-05	7.19586E-05	0.0004093
2265002078	2.77427E-06	1.50227E-05	3.20521E-05	1.3168E-05	1.53582E-05	2.37227E-05	0.000134935
2265002081	1.98129E-06	1.07287E-05	2.28906E-05	9.40418E-06	1.09683E-05	1.6942E-05	9.63658E-05
2265003010	2.72868E-05	7.83396E-05	0.000292894	0.000362155	0.000452544	0.000378935	0.001217124
2265003020	8.7245E-05	0.000250477	0.000936476	0.001157932	0.001446936	0.00121158	0.003891552
2265003030	2.08813E-05	5.99497E-05	0.000224137	0.000277141	0.00034631	0.000289981	0.000931409
2265003040	3.67866E-05	0.000105613	0.000394862	0.000488238	0.000610093	0.000510858	0.001640856
2265003050	1.91225E-06	5.49001E-06	2.05259E-05	2.53798E-05	3.17141E-05	2.65556E-05	8.52956E-05
2265003060	1.00987E-06	6.4913E-06	6.43595E-06	6.52703E-06	8.79978E-06	6.6806E-06	3.1524E-05
2265003070	8.23118E-06	2.36315E-05	8.83524E-05	0.000109246	0.000136512	0.000114307	0.000367151
2265004010	0.000665669	0.003826058	0.003517447	0.003089032	0.005433414	0.004169612	0.019905186
2265004011	0.001378965	0.001378965	0.001378965	0.008148444	0.000626802	0.001378965	0.006142662
2265004015	5.62397E-05	0.000323248	0.000297175	0.00026098	0.000459046	0.000352273	0.001681706
2265004016	0.000746621	0.000746621	0.000746621	0.004411849	0.000339373	0.000746621	0.003325859
2265004025	3.64188E-06	2.09324E-05	1.9244E-05	1.69001E-05	2.97262E-05	2.28119E-05	0.000108901
2265004026	3.32912E-05	3.32912E-05	3.32912E-05	0.000196721	1.51324E-05	3.32912E-05	0.000148297
2265004030	6.9718E-06	4.00717E-05	3.68395E-05	3.23526E-05	5.69061E-05	4.36698E-05	0.000208474
2265004031	0.001442087	0.001442087	0.001442087	0.008521407	0.000655494	0.001442087	0.006423834
2265004035	0.000144153	0.00052752	0.000484893	0.000355767	0.000647772	0.000554454	0.002124825
2265004036	0.000165626	0.00102387	0.00102387	0.001038927	0.000225854	0.001053984	0.002213364
2265004040	0.000134461	0.000772842	0.000710504	0.000623967	0.001097517	0.000842238	0.004020729

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FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2265002009	0.000188147	0.000485487	2.00137E-05	0.001263849
2265002015	0.000186128	0.000480277	1.9799E-05	0.001250284
2265002021	0.00036481	0.000941338	3.88058E-05	0.002450547
2265002024	0.000152835	0.000394368	1.62574E-05	0.001026641
2265002027	7.7012E-06	1.98718E-05	8.19197E-07	5.17315E-05
2265002030	0.00032321	0.000833996	3.43807E-05	0.002171109
2265002033	0.000108172	0.000279121	1.15065E-05	0.000726624
2265002039	0.000680264	0.001755324	7.23615E-05	0.004569552
2265002042	0.000330928	0.00085391	3.52017E-05	0.002222949
2265002045	2.70579E-05	6.98191E-05	2.87823E-06	0.000181757
2265002054	4.35054E-05	0.00011226	4.62779E-06	0.00029224
2265002057	4.16925E-05	0.000107581	4.43494E-06	0.000280062
2265002060	9.88297E-05	0.000255016	1.05128E-05	0.000663871
2265002066	0.000223454	0.00057659	2.37694E-05	0.001501011
2265002072	0.000157325	0.000405955	1.67351E-05	0.001056804
2265002078	5.18656E-05	0.000133832	5.51708E-06	0.000348398
2265002081	3.70407E-05	9.5578E-05	3.94011E-06	0.000248814
2265003010	9.22031E-05	0.002376216	0.000350328	0.00430896
2265003020	0.000294804	0.007597524	0.001120114	0.0137772
2265003030	7.05588E-05	0.001818408	0.00026809	0.003297444
2265003040	0.000124303	0.003203472	0.000472291	0.00580908
2265003050	6.46156E-06	0.000166524	2.45508E-05	0.000301969
2265003060	7.49684E-06	5.6985E-05	4.33068E-06	6.02838E-05
2265003070	2.78135E-05	0.000716794	0.000105678	0.001299816
2265004010	0.004495545	0.036566304	0.002475047	0.035894166
2265004011	0.001587899	0.026910729	0.001378965	0.016505808
2265004015	0.00037981	0.003089339	0.000209106	0.003032552
2265004016	0.000859746	0.0145704	0.000746621	0.008936829
2265004025	2.45951E-05	0.000200054	1.3541E-05	0.000196377
2265004026	3.83354E-05	0.000649684	3.32912E-05	0.000398486
2265004030	4.70834E-05	0.000382972	2.5922E-05	0.000375933
2265004031	0.001660584	0.028142502	0.001442087	0.017261287
2265004035	0.000741426	0.00389286	0.00030894	0.00384537
2265004036	0.000572163	0.00969666	0.000677562	0.00594747
2265004040	0.000908074	0.007386174	0.000499944	0.007250409

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2265004041	9.00295E-05	0.006452121	0.000115038	0.000375124	0.000165055	0.002080684	0.000450148
2265004046	0.000105939	0.007592322	0.000135367	0.000441414	0.000194222	0.002448373	0.000529696
2265004051	4.72173E-05	0.00338391	6.03332E-05	0.000196739	8.65651E-05	0.001091245	0.000236087
2265004055	0.022496045	0.33561294	0.019199535	0.047463576	0.012291816	0.093286384	0.032998215
2265004056	0.001223922	0.087714452	0.001563901	0.005099676	0.002243856	0.028286223	0.006119616
2265004066	0.000208428	0.014937378	0.000266325	0.000868453	0.000382119	0.004817012	0.001042143
2265004071	0.003894456	0.279102721	0.004976242	0.01622689	0.007139832	0.090005221	0.019472265
2265004075	0.000804493	0.01200201	0.000686603	0.001697368	0.000439572	0.00333606	0.001180065
2265004076	0.000123603	0.008858199	0.000157937	0.000515011	0.000226605	0.002856597	0.000618014
2265005010	6.61796E-05	6.93704E-06	3.70671E-05	1.54134E-05	4.92229E-05	8.78578E-05	3.02458E-05
2265005015	0.000270271	2.83302E-05	0.000151379	6.29467E-05	0.000201021	0.000358802	0.000123521
2265005020	1.91672E-06	2.00913E-07	1.07355E-06	4.46409E-07	1.42562E-06	2.54457E-06	8.75993E-07
2265005025	0.000181156	1.89891E-05	0.000101465	4.21917E-05	0.00013474	0.000240497	8.2793E-05
2265005030	5.56062E-05	5.82873E-06	3.1145E-05	1.29508E-05	4.13587E-05	7.3821E-05	2.54135E-05
2265005035	0.000608981	6.38343E-05	0.00034109	0.000141833	0.000452947	0.000808462	0.00027832
2265005040	0.00134332	0.000140809	0.000752391	0.000312863	0.000999133	0.001783349	0.000613933
2265005045	0.000286935	3.0077E-05	0.000160712	6.68279E-05	0.000213416	0.000380926	0.000131137
2265005055	0.00041462	4.34612E-05	0.000232229	9.65659E-05	0.000308386	0.000550436	0.000189492
2265005060	0.0004587	4.80816E-05	0.000256917	0.000106832	0.000341171	0.000608954	0.000209638
2265006005	0.011934252	0.301237196	0.00534984	0.0175584	0.00589854	0.059808478	0.021399361
2265006010	0.002863212	0.072271558	0.001283508	0.004212552	0.001415148	0.014349	0.005134044
2265006015	0.001555908	0.03927312	0.000697474	0.002289144	0.000769009	0.007797396	0.002789892
2265006025	0.003391572	0.085607881	0.001520364	0.0049899	0.001676292	0.0169968	0.006081432
2265006030	0.005163432	0.130332001	0.002314644	0.007596768	0.00255204	0.025876441	0.009258564
2265006035	0.000245984	0.00620898	0.000110269	0.000361908	0.000121578	0.001232748	0.000441076
2265007010	0.000896206	9.42229E-05	0.000439954	1.88096E-05	0.000840678	0.000177475	0.000242287
2265007015	9.40531E-06	9.88831E-07	4.61713E-06	1.97399E-07	8.82256E-06	1.86252E-06	2.5427E-06
2265008005	0	0.003774396	0	3.96366E-06	0	4.76305E-06	0
2265010010	0	0.008300505	0.002424042	0.000367279	0	0.001371174	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2265004041	0.000165055	0.007567479	0.000745245	0.00054518	0	0.000165055	0.000590194
2265004046	0.000194222	0.008904786	0.000876942	0.000641522	0	0.000194222	0.000694491
2265004051	8.65651E-05	0.00396888	0.000390854	0.000285927	0	8.65651E-05	0.000309536
2265004055	0.014588814	0.14167608	0.040626745	0.04072313	0.00156107	0.016347405	0.025666771
2265004056	0.002243856	0.102877472	0.01013136	0.007411533	0	0.002243856	0.008023482
2265004066	0.000382119	0.017519556	0.001725327	0.001262149	0	0.000382119	0.001366364
2265004071	0.007139832	0.327350276	0.032237413	0.023583073	0	0.007139832	0.025530321
2265004075	0.000521717	0.005066547	0.001452869	0.001456318	5.58259E-05	0.000584606	0.00091788
2265004076	0.000226605	0.01038951	0.001023156	0.000748483	0	0.000226605	0.000810285
2265005010	7.88677E-05	2.85127E-05	4.26599E-05	2.67807E-05	2.61109E-07	5.9844E-06	4.61831E-05
2265005015	0.000322088	0.000116443	0.000174219	0.00010937	1.06634E-06	2.44397E-05	0.000188607
2265005020	2.2842E-06	8.25796E-07	1.23553E-06	7.75635E-07	7.56234E-09	1.73322E-07	1.33757E-06
2265005025	0.000215888	7.80489E-05	0.000116774	7.33079E-05	7.14743E-07	1.63814E-05	0.000126419
2265005030	6.62673E-05	2.39573E-05	3.58442E-05	2.2502E-05	2.19392E-07	5.02829E-06	3.88046E-05
2265005035	0.000725738	0.000262372	0.000392554	0.000246434	2.40271E-06	5.50681E-05	0.000424975
2265005040	0.001600867	0.000578754	0.000865915	0.000543598	5.30001E-06	0.000121472	0.00093743
2265005045	0.000341948	0.000123623	0.000184961	0.000116113	1.13209E-06	2.59466E-05	0.000200236
2265005055	0.000494113	0.000178634	0.000267268	0.000167783	1.63586E-06	3.74927E-05	0.000289341
2265005060	0.000546643	0.000197625	0.000295681	0.000185621	1.80978E-06	4.14787E-05	0.000320101
2265006005	0.007956168	0.195886798	0.038683439	0.019204561	0.000411526	0.003978084	0.0157752
2265006010	0.001908816	0.046996202	0.009280776	0.004607472	9.87316E-05	0.000954406	0.003784716
2265006015	0.001037268	0.025538279	0.005043276	0.002503752	5.36519E-05	0.000518634	0.002056656
2265006025	0.00226104	0.055668483	0.010993356	0.005457696	0.000116951	0.001130522	0.004483104
2265006030	0.003442284	0.08475144	0.016736641	0.008308968	0.000178049	0.001721148	0.006825216
2265006035	0.00016399	0.004037532	0.000797329	0.000395837	8.48222E-06	8.19948E-05	0.000325152
2265007010	0.00059842	2.87717E-05	0.00026842	0.000666774	0.000267658	5.65712E-05	0.000723779
2265007015	6.28016E-06	3.01948E-07	2.81695E-06	6.99751E-06	2.80895E-06	5.93692E-07	7.59576E-06
2265008005	0	8.49354E-07	3.43073E-07	4.25676E-05	0	2.46479E-07	3.36412E-06
2265010010	0	0.000612132	0.000391764	0.004040073	0	0.000367279	0.000612132
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2265004041	0.007122339	0.000165055	0.000165055	0.00097032	9.00295E-05	0.00097032	0.001650546
2265004046	0.008380989	0.000194222	0.000194222	0.00114179	0.000105939	0.00114179	0.001942222
2265004051	0.003735414	8.65651E-05	8.65651E-05	0.000508897	4.72173E-05	0.000508897	0.000865652
2265004055	0.10243713	0.00973596	0.020950914	0.009170457	0.015588387	0.021313329	0.05191023
2265004056	0.096825783	0.002243856	0.002243856	0.013191141	0.001223922	0.013191141	0.022438563
2265004066	0.01648902	0.000382119	0.000382119	0.002246397	0.000208428	0.002246397	0.003821187
2265004071	0.308094777	0.007139832	0.007139832	0.041973543	0.003894456	0.041973543	0.071398319
2265004075	0.003663292	0.000348172	0.000749236	0.000327949	0.000557462	0.000762194	0.001856384
2265004076	0.009778341	0.000226605	0.000226605	0.001332165	0.000123603	0.001332165	0.002266051
2265005010	5.80083E-05	2.73314E-05	1.54989E-05	1.59265E-05	3.84542E-05	6.05937E-05	5.63874E-05
2265005015	0.0002369	0.000111619	6.32959E-05	6.50421E-05	0.000157043	0.000247459	0.000230281
2265005020	1.68006E-06	7.91584E-07	4.48885E-07	4.61269E-07	1.11373E-06	1.75494E-06	1.63312E-06
2265005025	0.000158789	7.48154E-05	4.24257E-05	4.35961E-05	0.000105262	0.000165865	0.000154351
2265005030	4.87404E-05	2.29648E-05	1.30227E-05	1.33819E-05	3.23104E-05	5.09128E-05	4.73786E-05
2265005035	0.000533789	0.000251503	0.00014262	0.000146555	0.000353853	0.00055758	0.000518874
2265005040	0.001177457	0.000554776	0.000314598	0.000323277	0.000780548	0.001229935	0.001144557
2265005045	0.000251507	0.000118501	6.71987E-05	6.90525E-05	0.000166726	0.000262717	0.00024448
2265005055	0.000363426	0.000171234	9.71019E-05	9.97806E-05	0.000240919	0.000379624	0.000353272
2265005060	0.000402063	0.000189438	0.000107425	0.000110389	0.000266531	0.000419983	0.000390829
2265006005	0.136627201	0.00534984	0.010288152	0.003978084	0.007956168	0.011659908	0.035391239
2265006010	0.032778841	0.001283508	0.002468292	0.000954406	0.001908816	0.002797392	0.008490924
2265006015	0.01781244	0.000697474	0.0013413	0.000518634	0.001037268	0.001520136	0.00461406
2265006025	0.03882756	0.001520364	0.002923764	0.001130522	0.00226104	0.003313596	0.010057752
2265006030	0.059112361	0.002314644	0.004451232	0.001721148	0.003442284	0.005044728	0.01531224
2265006035	0.0028161	0.000110269	0.000212056	8.19948E-05	0.00016399	0.00024033	0.00072947
2265007010	0.000217472	0.00047937	0.001440336	0.000484086	0.000468878	0.000443612	0.000191588
2265007015	2.28228E-06	5.03078E-06	1.51158E-05	5.08028E-06	4.92068E-06	4.65553E-06	2.01064E-06
2265008005	3.75048E-06	0	3.66389E-08	0	3.49734E-07	0	0
2265010010	0.000244852	0.002962719	0.002252646	0	0	0.001738452	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2265004041	0.00268588	0.003896279	0.000165055	0.001080355	0.00027509	0.000165055	0.000530175
2265004046	0.003160523	0.00458482	0.000194222	0.001271271	0.000323704	0.000194222	0.000623865
2265004051	0.001408648	0.002043462	8.65651E-05	0.000566608	0.000144275	8.65651E-05	0.000278057
2265004055	0.061330799	0.133432888	0.009749493	0.066076859	0.037629648	0.001342835	0.032722674
2265004056	0.036513676	0.052968631	0.002243856	0.014687085	0.003739764	0.002243856	0.007207542
2265004066	0.006218112	0.009020307	0.000382119	0.002501142	0.000636865	0.000382119	0.001227413
2265004071	0.116184661	0.168543417	0.007139832	0.046733443	0.011899749	0.007139832	0.022934037
2265004075	0.002193274	0.004771748	0.000348656	0.002363002	0.001345688	4.80217E-05	0.001170209
2265004076	0.003687484	0.005349255	0.000226605	0.001483234	0.000377675	0.000226605	0.000727882
2265005010	3.59793E-05	3.18689E-07	4.77065E-06	4.89777E-05	2.96352E-05	1.13508E-06	9.39961E-05
2265005015	0.000146936	1.3015E-06	1.94828E-05	0.00020002	0.000121027	4.63555E-06	0.000383871
2265005020	1.04205E-06	9.23001E-09	1.38169E-07	1.41851E-06	8.58307E-07	3.28747E-08	2.72235E-06
2265005025	9.84878E-05	8.7236E-07	1.30589E-05	0.000134069	8.11217E-05	3.1071E-06	0.000257299
2265005030	3.0231E-05	2.67773E-07	4.00845E-06	4.11527E-05	2.49005E-05	9.5373E-07	7.89787E-05
2265005035	0.00033108	2.93256E-06	4.38992E-05	0.000450691	0.000272702	1.0445E-05	0.000864947
2265005040	0.000730313	6.46879E-06	9.68352E-05	0.000994156	0.000601539	2.304E-05	0.001907946
2265005045	0.000155996	1.38174E-06	2.06841E-05	0.000212353	0.00012849	4.92137E-06	0.00040754
2265005055	0.000225413	1.99661E-06	2.98885E-05	0.00030685	0.000185667	7.11137E-06	0.000588894
2265005060	0.000249378	2.20888E-06	3.30659E-05	0.000339471	0.000205406	7.86739E-06	0.0006515
2265006005	0.044444759	0.097668841	0.005487012	0.04526784	0.016461	0.000274351	0.01742124
2265006010	0.01066302	0.023432279	0.001316424	0.01086048	0.00394926	6.58211E-05	0.004179636
2265006015	0.005794392	0.012733319	0.000715357	0.005901696	0.002146068	3.57679E-05	0.002271264
2265006025	0.012630721	0.027756239	0.00155934	0.012864599	0.004678032	7.79671E-05	0.004950912
2265006030	0.01922928	0.042257041	0.002373996	0.01958544	0.007121964	0.0001187	0.007537416
2265006035	0.00091608	0.002013108	0.000113096	0.000933044	0.000339289	5.65481E-06	0.000359081
2265007010	0.000249257	8.63371E-06	0.00108246	0.000148034	0.000502333	0.000579746	0.000877279
2265007015	2.61584E-06	9.06072E-08	1.136E-05	1.55356E-06	5.27177E-06	6.0842E-06	9.20668E-06
2265008005	0.000329749	0	0	4.8563E-05	7.66085E-07	0	1.29901E-07
2265010010	0.000244852	0.000244852	0	0.00107735	0.000244852	0.000244852	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2265004041	0.000165055	0.000165055	0.000975322	0.000140046	0.000165055	0.000165055	0.000710233
2265004046	0.000194222	0.000194222	0.001147676	0.000164795	0.000194222	0.000194222	0.000835743
2265004051	8.65651E-05	8.65651E-05	0.000511521	7.34491E-05	8.65651E-05	8.65651E-05	0.000372492
2265004055	0.003403283	0.008987265	0.010736313	0.020128191	0.012139641	0.00555612	0.055203629
2265004056	0.002243856	0.002243856	0.013259157	0.00190388	0.002243856	0.002243856	0.009655383
2265004066	0.000382119	0.000382119	0.002257973	0.000324222	0.000382119	0.000382119	0.001644268
2265004071	0.007139832	0.007139832	0.042189909	0.006058038	0.007139832	0.007139832	0.030722919
2265004075	0.000121706	0.000321398	0.000383946	0.000719813	0.000434132	0.000198695	0.001974158
2265004076	0.000226605	0.000226605	0.001339027	0.000192271	0.000226605	0.000226605	0.00097509
2265005010	2.32734E-05	2.32672E-05	3.53066E-05	4.21752E-05	2.25933E-05	2.54461E-05	9.21348E-06
2265005015	9.50463E-05	9.50207E-05	0.000144189	0.00017224	9.22686E-05	0.000103919	3.76269E-05
2265005020	6.74054E-07	6.73873E-07	1.02256E-06	1.2215E-06	6.54356E-07	7.3698E-07	2.66844E-07
2265005025	6.37073E-05	6.36901E-05	9.66462E-05	0.000115448	6.18455E-05	6.96546E-05	2.52204E-05
2265005030	1.95551E-05	1.95498E-05	2.96658E-05	3.5437E-05	1.89836E-05	2.13806E-05	7.74148E-06
2265005035	0.000214161	0.000214103	0.00032489	0.000388095	0.000207902	0.000234153	8.4782E-05
2265005040	0.000472407	0.000472279	0.000716658	0.000856077	0.000458601	0.000516508	0.000187016
2265005045	0.000100907	0.00010088	0.000153079	0.000182859	9.79578E-05	0.000110327	3.99469E-05
2265005055	0.00014581	0.000145771	0.000221199	0.000264231	0.000141548	0.000159422	5.77232E-05
2265005060	0.000161311	0.000161268	0.000244715	0.000292322	0.000156597	0.00017637	6.38598E-05
2265006005	0.001097402	0.004389612	0.002880684	0.00864204	0.007133112	0.0021948	0.03593988
2265006010	0.000263285	0.001053137	0.000691121	0.00207336	0.001711344	0.000526568	0.008622564
2265006015	0.000143071	0.000572286	0.000375563	0.001126688	0.000929965	0.000286144	0.004685592
2265006025	0.000311868	0.001247472	0.000818654	0.002455968	0.002027148	0.000623737	0.010213692
2265006030	0.000474798	0.001899192	0.001246344	0.003739032	0.003086184	0.000949596	0.0155496
2265006035	2.26193E-05	9.0477E-05	5.93755E-05	0.000178127	0.000147025	4.52386E-05	0.00074078
2265007010	0.000611042	0.000216167	0.000994962	0.000587656	0.000803857	0.000670127	0.000131371
2265007015	6.41263E-06	2.26858E-06	1.04417E-05	6.16721E-06	8.43616E-06	7.0327E-06	1.37869E-06
2265008005	0	0	0	2.33156E-07	8.82662E-07	0	0
2265010010	0	0.000244852	0.000367279	0.012389547	0.001738452	0.000367279	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2265004041	0.003496146	0.000125041	0.000410135	0.002885945	0.002095691	0.000160053	0.000110036
2265004046	0.004113981	0.000147138	0.000482612	0.003395946	0.002466033	0.000188337	0.000129482
2265004051	0.001833608	6.55796E-05	0.000215101	0.001513574	0.001099116	8.39417E-05	5.771E-05
2265004055	0.109796999	0.02437493	0.030380259	0.075142171	0.08538228	0.029770197	0.011886408
2265004056	0.047528973	0.00169989	0.00557565	0.039233508	0.028490173	0.002175863	0.001495905
2265004066	0.008093979	0.000289484	0.000949508	0.006681288	0.004851747	0.000370539	0.000254746
2265004071	0.151234258	0.005408964	0.017741379	0.12483864	0.090654298	0.006923472	0.00475989
2265004075	0.003926501	0.000871683	0.00108644	0.002687195	0.003053397	0.001064624	0.000425074
2265004076	0.004799908	0.00017167	0.000563079	0.003962155	0.002877197	0.000219738	0.00015107
2265005010	0.000170037	2.68406E-05	5.4412E-05	3.78105E-05	1.66437E-05	4.27413E-05	7.15026E-06
2265005015	0.000694416	0.000109614	0.000222213	0.000154414	6.79711E-05	0.000174552	2.9201E-05
2265005020	4.92469E-06	7.77366E-07	1.5759E-06	1.09508E-06	4.82041E-07	1.2379E-06	2.07089E-07
2265005025	0.00046545	7.34718E-05	0.000148944	0.0001035	4.55594E-05	0.000116998	1.95727E-05
2265005030	0.000142871	2.25523E-05	4.57188E-05	3.17696E-05	1.39846E-05	3.59127E-05	6.00789E-06
2265005035	0.001564676	0.000246985	0.000500697	0.000347931	0.000153154	0.000393304	6.57964E-05
2265005040	0.003451437	0.000544813	0.00110446	0.000767482	0.000337835	0.000867569	0.000145137
2265005045	0.000737233	0.000116373	0.000235915	0.000163936	7.21621E-05	0.000185314	3.10014E-05
2265005055	0.001065297	0.000168158	0.000340896	0.000236886	0.000104274	0.000267779	4.47969E-05
2265005060	0.001178552	0.000186036	0.000377137	0.00026207	0.000115359	0.000296246	4.95594E-05
2265006005	0.092319002	0.01289448	0.01632384	0.07297728	0.051029278	0.0186558	0.00534984
2265006010	0.02214876	0.003093588	0.003916356	0.01750836	0.01224276	0.004475832	0.001283508
2265006015	0.012035879	0.001681092	0.002128188	0.00951426	0.006652824	0.00243222	0.000697474
2265006025	0.02623596	0.003664452	0.004639044	0.02073924	0.01450188	0.005301768	0.001520364
2265006030	0.039942359	0.005578872	0.007062624	0.03157404	0.02207808	0.008071572	0.002314644
2265006035	0.00190284	0.000265776	0.000336461	0.001504176	0.001051795	0.000384527	0.000110269
2265007010	0.000256445	0.00020589	0.000161288	3.57356E-05	0.000313982	0.000949856	0.000641999
2265007015	2.69129E-06	2.16073E-06	1.69266E-06	3.75031E-07	3.29512E-06	9.96834E-06	6.73751E-06
2265008005	2.33156E-06	0	0	0.000326952	0.000126037	1.21907E-06	6.32852E-07
2265010010	0.000367279	0	0	0.000244852	0	0.000367279	0.003452421
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2265004041	0.000205067	0.000165055	0.000420138	0.012199002	0.000165055	0.001175389	0.000975322
2265004046	0.000241306	0.000194222	0.000494384	0.014354769	0.000194222	0.001383095	0.001147676
2265004051	0.00010755	8.65651E-05	0.000220347	0.006397944	8.65651E-05	0.000616448	0.000511521
2265004055	0.029796404	0.012011427	0.034947988	0.180143937	0.004587622	0.067562278	0.026197226
2265004056	0.002787823	0.002243856	0.005711637	0.165841648	0.002243856	0.01597899	0.013259157
2265004066	0.000474754	0.000382119	0.000972665	0.028242048	0.000382119	0.002721145	0.002257973
2265004071	0.008870688	0.007139832	0.018174138	0.527698207	0.007139832	0.050844241	0.042189909
2265004075	0.001065564	0.000429547	0.00124979	0.006442197	0.00016406	0.002416125	0.000936851
2265004076	0.000281539	0.000226605	0.000576813	0.016748157	0.000226605	0.001613704	0.001339027
2265005010	4.95102E-05	2.84283E-05	8.04475E-06	1.4528E-05	1.21837E-05	3.46613E-05	4.57499E-05
2265005015	0.000202195	0.000116098	3.2854E-05	5.93309E-05	4.97571E-05	0.000141553	0.000186838
2265005020	1.43393E-06	8.23354E-07	2.32996E-07	4.20766E-07	3.5287E-07	1.00387E-06	1.32503E-06
2265005025	0.000135527	7.78178E-05	2.20213E-05	3.97681E-05	3.3351E-05	9.48796E-05	0.000125232
2265005030	4.16001E-05	2.38864E-05	6.75947E-06	1.22069E-05	1.02372E-05	2.91235E-05	3.84405E-05
2265005035	0.000455591	0.000261596	7.40275E-05	0.000133686	0.000112114	0.000318952	0.000420988
2265005040	0.001004965	0.000577041	0.000163293	0.000294891	0.000247307	0.000703559	0.000928635
2265005045	0.000214662	0.000123257	3.48797E-05	6.29892E-05	5.28251E-05	0.000150281	0.000198358
2265005055	0.000310186	0.000178106	5.04011E-05	9.10192E-05	7.6332E-05	0.000217156	0.000286627
2265005060	0.000343162	0.00019704	5.57593E-05	0.000100695	8.4447E-05	0.000240242	0.000317098
2265006005	0.016735441	0.00699594	0.016461	0.247327209	0.001783284	0.041975641	0.008916396
2265006010	0.00401508	0.00167844	0.00394926	0.059337722	0.000427837	0.010070628	0.00213918
2265006015	0.00218184	0.00091208	0.002146068	0.03224472	0.000232492	0.00547248	0.001162456
2265006025	0.004755996	0.00198816	0.004678032	0.07028736	0.000506786	0.011928972	0.002533932
2265006030	0.007240668	0.003026832	0.007121964	0.1070076	0.000771547	0.01816104	0.003857736
2265006035	0.000344944	0.000144198	0.000339289	0.005097816	3.67562E-05	0.000865187	0.000183781
2265007010	0.000461191	0.000435606	0.000113402	5.18024E-05	9.73804E-06	1.24032E-05	0.000179305
2265007015	4.84001E-06	4.57151E-06	1.19011E-06	5.43646E-07	1.02197E-07	1.30166E-07	1.88173E-06
2265008005	6.39514E-07	0	1.99848E-07	2.96108E-06	0	0	0
2265010010	0.001371174	0	0	0.001762938	0	0.000367279	0
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2265004041	0.000165055	0.001740571	0.000165055	0.000165055	0.000100033	0.000975322	0.000155051
2265004046	0.000194222	0.002048161	0.000194222	0.000194222	0.00011771	0.001147676	0.000182451
2265004051	8.65651E-05	0.000912868	8.65651E-05	8.65651E-05	5.24637E-05	0.000511521	8.13187E-05
2265004055	0.010624797	0.362410729	0.012898746	0.004464965	0.04203412	0.009105939	0.019678194
2265004056	0.002243856	0.023662512	0.002243856	0.002243856	0.001359917	0.013259157	0.002107867
2265004066	0.000382119	0.004029612	0.000382119	0.000382119	0.000231587	0.002257973	0.00035896
2265004071	0.007139832	0.075292861	0.007139832	0.007139832	0.00432717	0.042189909	0.006707112
2265004075	0.000379958	0.012960348	0.000461276	0.000159673	0.001503198	0.000325642	0.00070372
2265004076	0.000226605	0.002389653	0.000226605	0.000226605	0.000137336	0.001339027	0.000212871
2265005010	3.96411E-05	2.61109E-07	1.42241E-06	1.92673E-05	3.63323E-05	3.35684E-05	5.54958E-05
2265005015	0.00016189	1.06634E-06	5.80899E-06	7.86858E-05	0.000148377	0.00013709	0.000226639
2265005020	1.14811E-06	7.56234E-09	4.11965E-08	5.58027E-07	1.05227E-06	9.72222E-07	1.60729E-06
2265005025	0.000108511	7.14743E-07	3.89363E-06	5.27411E-05	9.94538E-05	9.1888E-05	0.000151911
2265005030	3.33078E-05	2.19392E-07	1.19516E-06	1.6189E-05	3.05276E-05	2.82052E-05	4.66293E-05
2265005035	0.000364776	2.40271E-06	1.3089E-05	0.000177297	0.000334328	0.000308894	0.00051067
2265005040	0.000804639	5.30001E-06	2.88723E-05	0.00039109	0.000737476	0.000681375	0.00112646
2265005045	0.000171872	1.13209E-06	6.16717E-06	8.35374E-05	0.000157526	0.000145543	0.000240613
2265005055	0.000248355	1.63586E-06	8.91153E-06	0.000120711	0.000227625	0.000210309	0.000347686
2265005060	0.000274758	1.80978E-06	9.85893E-06	0.000133544	0.000251824	0.000232667	0.000384649
2265006005	0.003429384	0.178053595	0.003429384	0.001508928	0.01591236	0.005212668	0.010974024
2265006010	0.000822763	0.042717839	0.000822763	0.000362016	0.00381762	0.001250604	0.002632848
2265006015	0.000447098	0.0232134	0.000447098	0.000196723	0.002074536	0.00067959	0.001430712
2265006025	0.000974588	0.050600639	0.000974588	0.000428819	0.004522092	0.001481376	0.00311868
2265006030	0.00148374	0.077035921	0.00148374	0.000652847	0.006884568	0.002255292	0.00474798
2265006035	7.06852E-05	0.003669972	7.06852E-05	3.11015E-05	0.000327979	0.000107441	0.000226193
2265007010	0.000608196	4.3618E-06	0.000161362	0.002083272	0.000652223	0.000354116	0.000878824
2265007015	6.38276E-06	4.57752E-08	1.69343E-06	2.1863E-05	6.84481E-06	3.7163E-06	9.22288E-06
2265008005	0	0.0050364	0	0	3.3308E-07	0	1.09917E-07
2265010010	0	0.000244852	0	0.000244852	0.000244852	0	0.000612132
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2265004041	0.000165055	0.000165055	0.000165055	0.000975322	7.50247E-05	0.000165055	0.000735242
2265004046	0.000194222	0.000194222	0.000194222	0.001147676	8.82829E-05	0.000194222	0.000865171
2265004051	8.65651E-05	8.65651E-05	8.65651E-05	0.000511521	3.93477E-05	8.65651E-05	0.000385608
2265004055	0.001805579	0.010377894	0.009540819	0.008378769	0.01473771	0.011309766	0.05399139
2265004056	0.002243856	0.002243856	0.002243856	0.013259157	0.001019935	0.002243856	0.009995355
2265004066	0.000382119	0.000382119	0.000382119	0.002257973	0.00017369	0.000382119	0.001702165
2265004071	0.007139832	0.007139832	0.007139832	0.042189909	0.003245375	0.007139832	0.031804713
2265004075	6.45701E-05	0.000371129	0.000341193	0.000299637	0.000527042	0.000404453	0.001930811
2265004076	0.000226605	0.000226605	0.000226605	0.001339027	0.000103002	0.000226605	0.001009424
2265005010	7.37659E-06	3.88578E-05	5.12245E-05	2.83491E-05	1.33815E-05	1.50935E-05	5.33527E-05
2265005015	3.01253E-05	0.000158691	0.000209196	0.000115775	5.46487E-05	6.16405E-05	0.000217887
2265005020	2.13644E-07	1.12542E-06	1.48359E-06	8.21057E-07	3.87561E-07	4.37145E-07	1.54522E-06
2265005025	2.01922E-05	0.000106367	0.000140219	7.76011E-05	3.66298E-05	4.13162E-05	0.000146045
2265005030	6.19806E-06	3.26496E-05	4.30406E-05	2.38198E-05	1.12436E-05	1.26821E-05	4.48287E-05
2265005035	6.78791E-05	0.000357568	0.000471366	0.000260867	0.000123136	0.00013889	0.000490949
2265005040	0.000149731	0.000788742	0.001039763	0.000575433	0.000271619	0.00030637	0.001082961
2265005045	3.19828E-05	0.000168476	0.000222095	0.000122913	5.80184E-05	6.54412E-05	0.000231322
2265005055	4.6215E-05	0.000243447	0.000320926	0.000177609	8.38363E-05	9.45623E-05	0.00033426
2265005060	5.11282E-05	0.000269329	0.000355044	0.000196491	9.27491E-05	0.000104615	0.000369795
2265006005	0.000823052	0.004938312	0.00425244	0.005487012	0.007270296	0.004663956	0.0403296
2265006010	0.000197464	0.001184779	0.001020227	0.001316424	0.00174426	0.001118958	0.009675696
2265006015	0.000107304	0.000643822	0.000554402	0.000715357	0.000947849	0.000608054	0.005257884
2265006025	0.000233902	0.001403412	0.001208496	0.00155934	0.002066124	0.001325436	0.011461164
2265006030	0.000356099	0.002136588	0.00183984	0.002373996	0.003145536	0.002017896	0.01744884
2265006035	1.69644E-05	0.000101787	8.76496E-05	0.000113096	0.000149852	9.61318E-05	0.000831258
2265007010	0.000763466	0.000472018	0.000768676	0.000150097	0.000731245	0.00108308	0.000142243
2265007015	8.01226E-06	4.95364E-06	8.06694E-06	1.5752E-06	7.67411E-06	1.13665E-05	1.49279E-06
2265008005	0	0	4.33004E-08	0	5.50381E-05	0	8.7267E-07
2265010010	0.000244852	0.000244852	0	0	0.001052868	0.003599334	0.000244852
2267001060	0	0	0	0	0	0	0
2267002003	0	0	0	0	0	0	0
2267002015	0	0	0	0	0	0	0
2267002021	0	0	0	0	0	0	0
2267002024	0	0	0	0	0	0	0
2267002030	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2265004041	0.000190062	0.003221063	0.000165055	0.001975646
2265004046	0.00022365	0.003790273	0.000194222	0.002324782
2265004051	9.96809E-05	0.001689331	8.65651E-05	0.001036158
2265004055	0.012193803	0.099183391	0.006713379	0.097360378
2265004056	0.002583835	0.043789263	0.002243856	0.026858322
2265004066	0.000440015	0.007457103	0.000382119	0.004573844
2265004071	0.008221623	0.139334969	0.007139832	0.085461661
2265004075	0.000436069	0.003546938	0.00024008	0.003481748
2265004076	0.000260939	0.004422228	0.000226605	0.002712394
2265005010	2.4563E-05	4.18891E-05	1.41763E-05	0.000112162
2265005015	0.000100313	0.000171071	5.78944E-05	0.000458058
2265005020	7.11404E-07	1.21321E-06	4.10578E-07	3.24848E-06
2265005025	6.72373E-05	0.000114664	3.88052E-05	0.000307026
2265005030	2.06387E-05	3.51966E-05	1.19113E-05	9.42423E-05
2265005035	0.000226027	0.000385461	0.000130449	0.001032109
2265005040	0.000498582	0.000850269	0.000287751	0.002276676
2265005045	0.000106498	0.000181619	6.14641E-05	0.000486302
2265005055	0.000153889	0.000262439	8.88154E-05	0.000702704
2265005060	0.000170249	0.000290338	9.82574E-05	0.00077741
2265006005	0.006721596	0.05843664	0.002743512	0.062551919
2265006010	0.00161262	0.014019839	0.000658211	0.0150072
2265006015	0.000876313	0.00761856	0.000357679	0.00815508
2265006025	0.001910196	0.01660704	0.000779671	0.017776439
2265006030	0.00290814	0.025283039	0.001186996	0.027063481
2265006035	0.000138542	0.001204476	5.65481E-05	0.001289292
2265007010	0.000335208	0.000406891	0.000325469	0.000371656
2265007015	3.51786E-06	4.27015E-06	3.41567E-06	3.90036E-06
2265008005	0	1.24906E-05	0	2.19833E-06
2265010010	0	0.000832499	0.000367279	0
2267001060	0	0	0	0
2267002003	0	0	0	0
2267002015	0	0	0	0
2267002021	0	0	0	0
2267002024	0	0	0	0
2267002030	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2267002033	0	0	0	0	0	0	0
2267002039	0	0	0	0	0	0	0
2267002045	0	0	0	0	0	0	0
2267002054	0	0	0	0	0	0	0
2267002057	0	0	0	0	0	0	0
2267002060	0	0	0	0	0	0	0
2267002066	0	0	0	0	0	0	0
2267002072	0	0	0	0	0	0	0
2267002081	0	0	0	0	0	0	0
2267003010	0	0	0	0	0	0	0
2267003020	0	0	0	0	0	0	0
2267003030	0	0	0	0	0	0	0
2267003040	0	0	0	0	0	0	0
2267003050	0	0	0	0	0	0	0
2267003070	0	0	0	0	0	0	0
2267004066	0	0	0	0	0	0	0
2267005055	0	0	0	0	0	0	0
2267005060	0	0	0	0	0	0	0
2267006005	0	0	0	0	0	0	0
2267006010	0	0	0	0	0	0	0
2267006015	0	0	0	0	0	0	0
2267006025	0	0	0	0	0	0	0
2267006030	0	0	0	0	0	0	0
2267006035	0	0	0	0	0	0	0
2267008005	0	0	0	0	0	0	0
2268002081	0	0	0	0	0	0	0
2268003020	0	0	0	0	0	0	0
2268003030	0	0	0	0	0	0	0
2268003040	0	0	0	0	0	0	0
2268003060	0	0	0	0	0	0	0
2268003070	0	0	0	0	0	0	0
2268005055	0	0	0	0	0	0	0
2268005060	0	0	0	0	0	0	0
2268006005	0	0	0	0	0	0	0
2268006010	0	0	0	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2267002033	0	0	0	0
2267002039	0	0	0	0
2267002045	0	0	0	0
2267002054	0	0	0	0
2267002057	0	0	0	0
2267002060	0	0	0	0
2267002066	0	0	0	0
2267002072	0	0	0	0
2267002081	0	0	0	0
2267003010	0	0	0	0
2267003020	0	0	0	0
2267003030	0	0	0	0
2267003040	0	0	0	0
2267003050	0	0	0	0
2267003070	0	0	0	0
2267004066	0	0	0	0
2267005055	0	0	0	0
2267005060	0	0	0	0
2267006005	0	0	0	0
2267006010	0	0	0	0
2267006015	0	0	0	0
2267006025	0	0	0	0
2267006030	0	0	0	0
2267006035	0	0	0	0
2267008005	0	0	0	0
2268002081	0	0	0	0
2268003020	0	0	0	0
2268003030	0	0	0	0
2268003040	0	0	0	0
2268003060	0	0	0	0
2268003070	0	0	0	0
2268005055	0	0	0	0
2268005060	0	0	0	0
2268006005	0	0	0	0
2268006010	0	0	0	0

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.00136193	0.000756629	0.000151326	0.000302651	0.000605303	0.001513257	0
2270002003	0.002240127	0.028508669	0.000827072	0.001942731	0.000461952	0.008243826	0.002942223
2270002006	8.96775E-06	0.000114127	3.31096E-06	7.77721E-06	1.8493E-06	3.30019E-05	1.17784E-05
2270002009	6.03152E-05	0.000767593	2.22688E-05	5.23079E-05	1.2438E-05	0.000221964	7.9219E-05
2270002015	0.005607807	0.071366911	0.002070447	0.004863321	0.001156423	0.02063712	0.007365384
2270002018	0.006095838	0.07757778	0.00225063	0.005286564	0.001257062	0.02243313	0.008006376
2270002021	0.000336874	0.00428718	0.000124377	0.000292151	6.94691E-05	0.001239721	0.000442457
2270002024	0.000208066	0.002647917	7.68194E-05	0.000180443	4.29066E-05	0.000765697	0.000273277
2270002027	0.000620271	0.00789378	0.000229009	0.000537924	0.00012791	0.00228264	0.000814674
2270002030	0.00266031	0.03385605	0.000982208	0.002307135	0.000548601	0.009790137	0.0034941
2270002033	0.002290479	0.02914947	0.000845663	0.001986399	0.000472336	0.00842913	0.003008355
2270002036	0.02272443	0.289199397	0.008390034	0.01970757	0.004686159	0.083627521	0.029846641
2270002039	0.000188245	0.002395677	6.95015E-05	0.000163254	3.88193E-05	0.000692756	0.000247244
2270002042	8.94194E-05	0.001137984	3.30144E-05	7.75482E-05	1.84398E-05	0.00032907	0.000117445
2270002045	0.005187042	0.066012089	0.001915095	0.004498416	0.001069655	0.01908867	0.006812748
2270002048	0.005655573	0.071974802	0.002088078	0.004904748	0.001166275	0.02081292	0.00742812
2270002051	0.0194217	0.247166997	0.00717063	0.01684329	0.004005078	0.071473171	0.02550879
2270002054	0.000916355	0.011661849	0.000338325	0.0007947	0.000188968	0.003372249	0.001203555
2270002057	0.007276332	0.092601181	0.002686476	0.006310338	0.001500501	0.02677743	0.009556854
2270002060	0.02473836	0.314828396	0.009133581	0.02145411	0.005101461	0.09103884	0.0324918
2270002066	0.01504638	0.191485201	0.005555229	0.01304883	0.003102813	0.05537166	0.01976211
2270002069	0.02263212	0.288024299	0.008355945	0.01962753	0.004667121	0.08328777	0.02972541
2270002072	0.010329879	0.13146132	0.003813864	0.008958486	0.002130192	0.03801462	0.013567422
2270002075	0.002437572	0.03102138	0.00089997	0.002113965	0.000502668	0.008970435	0.003201543
2270002078	3.18788E-05	0.000405701	1.17699E-05	2.76466E-05	6.57394E-06	0.000117316	4.18701E-05
2270002081	0.002334021	0.02970357	0.000861738	0.00202416	0.000481314	0.008589357	0.003065538
2270003010	0.000883684	0.006801264	0.000408564	0.001368768	0.000476146	0.00450066	0.001111201
2270003020	0.01275528	0.09817104	0.005897304	0.01975716	0.006872784	0.064963438	0.016039319
2270003030	0.00557016	0.042870719	0.00257532	0.008627832	0.003001308	0.028369199	0.00700428
2270003040	0.005653908	0.04351524	0.002614044	0.008757552	0.003046428	0.028795679	0.00710958
2270003050	0.000218315	0.001680252	0.000100936	0.000338155	0.000117632	0.001111889	0.000274523

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000453977	0.001815912	0.001059281	0.000302651	0	0.000756629	0.000756629
2270002003	0.00101385	0.010932837	0.004155765	0.001870326	3.70641E-05	0.000947662	0.006461049
2270002006	4.05867E-06	4.37666E-05	1.66365E-05	7.48734E-06	1.48376E-07	3.79371E-06	2.58651E-05
2270002009	2.72978E-05	0.000294365	0.000111894	5.03583E-05	9.97947E-07	2.55157E-05	0.000173962
2270002015	0.002538015	0.027368641	0.01040331	0.004682064	9.27841E-05	0.002372322	0.0161742
2270002018	0.002758893	0.02975043	0.011308683	0.00508953	0.000100859	0.002578779	0.0175818
2270002021	0.000152465	0.001644099	0.000624951	0.000281263	5.57376E-06	0.000142511	0.000971623
2270002024	9.41676E-05	0.001015454	0.000385993	0.000173718	3.44255E-06	8.802E-05	0.000600109
2270002027	0.000280726	0.003027201	0.001150694	0.000517876	1.02627E-05	0.000262399	0.001789002
2270002030	0.001204017	0.012983544	0.00493527	0.002221143	4.40162E-05	0.001125418	0.007672956
2270002033	0.001036639	0.011178567	0.004249176	0.001912365	3.78972E-05	0.000968963	0.00660627
2270002036	0.010284747	0.110905381	0.0421572	0.01897305	0.000375988	0.009613329	0.065542501
2270002039	8.51971E-05	0.000918722	0.000349223	0.000157169	3.11462E-06	7.96352E-05	0.000542943
2270002042	4.047E-05	0.000436407	0.000165887	7.4658E-05	1.47949E-06	3.78279E-05	0.000257906
2270002045	0.002347581	0.02531511	0.009622725	0.004330758	8.58223E-05	0.00219432	0.01496058
2270002048	0.00255963	0.02760174	0.01049193	0.004721943	9.35744E-05	0.002392527	0.01631196
2270002051	0.008789982	0.094786621	0.03603012	0.01621554	0.000321342	0.008216136	0.05601663
2270002054	0.000414729	0.004472223	0.001699974	0.000765082	1.51616E-05	0.000387654	0.002642982
2270002057	0.003293166	0.03551178	0.013498692	0.006075147	0.000120391	0.003078174	0.02098659
2270002060	0.011196222	0.12073407	0.04589325	0.02065452	0.000409309	0.010465287	0.071351069
2270002066	0.006809769	0.073433041	0.02791323	0.0125625	0.00024895	0.006365202	0.04339716
2270002069	0.010242981	0.110454991	0.041985929	0.01889595	0.00037446	0.009574275	0.065276221
2270002072	0.004675152	0.050414401	0.01916343	0.008624601	0.000170913	0.004369938	0.02979372
2270002075	0.001103211	0.011896437	0.004522053	0.002035176	4.03309E-05	0.001031189	0.007030515
2270002078	1.44279E-05	0.000155583	5.91398E-05	2.66162E-05	5.27451E-07	1.3486E-05	9.19457E-05
2270002081	0.001056344	0.011391078	0.004329948	0.001948716	3.86176E-05	0.000987382	0.006731853
2270003010	0.000744857	0.0046227	0.00192012	0.000721987	0.000161476	0.000349486	0.000944154
2270003020	0.010751424	0.06672504	0.027715439	0.010421328	0.002330784	0.00504456	0.01362816
2270003030	0.004695084	0.029138521	0.0121032	0.00455094	0.001017839	0.002202936	0.005951328
2270003040	0.004765668	0.02957652	0.012285119	0.004619352	0.001033141	0.002236044	0.0060408
2270003050	0.000184018	0.00114204	0.000474366	0.000178367	3.98927E-05	8.63406E-05	0.000233254

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.001815912	0.000453977	0.000302651	0.000151326	0.000605303	0.000756629	0.000756629
2270002003	0.01575546	0.000737544	0.000777694	0.000720966	0.001023604	0.001266025	0.004872531
2270002006	6.30727E-05	2.95256E-06	3.11329E-06	2.88619E-06	4.09772E-06	5.06819E-06	1.95059E-05
2270002009	0.000424214	1.98583E-05	2.09393E-05	1.94119E-05	2.75604E-05	3.40876E-05	0.000131192
2270002015	0.03944127	0.001846326	0.001946835	0.001804827	0.002562432	0.003169296	0.012197619
2270002018	0.042873719	0.002007006	0.002116263	0.001961892	0.002785434	0.00344511	0.013259136
2270002021	0.002369331	0.000110913	0.000116951	0.00010842	0.000153931	0.000190387	0.00073274
2270002024	0.001463382	6.8504E-05	7.22332E-05	6.69642E-05	9.50735E-05	0.00011759	0.000452567
2270002027	0.004362537	0.000204219	0.000215336	0.000199629	0.000283427	0.000350551	0.001349162
2270002030	0.01871073	0.000875887	0.000923568	0.000856199	0.001215602	0.001503498	0.005786481
2270002033	0.01610961	0.000754123	0.000795175	0.000737171	0.001046612	0.001294481	0.004982055
2270002036	0.159827398	0.007481841	0.007889136	0.00731367	0.010383705	0.012842886	0.049428239
2270002039	0.001323982	6.19783E-05	6.53522E-05	6.05851E-05	8.60169E-05	0.000106388	0.000409455
2270002042	0.000628912	2.94406E-05	3.10433E-05	2.87789E-05	4.08593E-05	5.0536E-05	0.000194498
2270002045	0.03648189	0.001707795	0.001800759	0.001669404	0.002370165	0.002931495	0.011282403
2270002048	0.03977721	0.001862049	0.001963416	0.001820199	0.002584257	0.00319629	0.0123015
2270002051	0.136598216	0.006394437	0.006742539	0.00625071	0.008874549	0.01097631	0.042244351
2270002054	0.006444978	0.000301702	0.000318127	0.000294921	0.000418719	0.000517885	0.001993176
2270002057	0.05117646	0.002395671	0.00252609	0.002341827	0.003324849	0.004112274	0.01582683
2270002060	0.173991904	0.008144901	0.008588295	0.007961826	0.011303958	0.01398108	0.053808691
2270002066	0.105825332	0.004953897	0.005223573	0.004842543	0.006875289	0.008503566	0.03272754
2270002069	0.159177901	0.007451442	0.007857084	0.007283955	0.010341534	0.012790719	0.049227421
2270002072	0.072652829	0.003401025	0.00358617	0.003324582	0.004720131	0.005838003	0.022468619
2270002075	0.0171441	0.000802551	0.00084624	0.000784512	0.001113825	0.001377612	0.005301993
2270002078	0.000224212	1.04958E-05	1.10672E-05	1.02599E-05	1.45667E-05	1.80166E-05	6.93399E-05
2270002081	0.01641582	0.000768458	0.000810291	0.000751184	0.001066507	0.001319091	0.005076756
2270003010	0.002767296	0.000364732	0.000517266	0.000360628	0.000791694	0.001093024	0.001394868
2270003020	0.0399438	0.005264616	0.007466328	0.005205372	0.01142748	0.015776881	0.02013384
2270003030	0.0174432	0.002299032	0.003260508	0.00227316	0.00499032	0.006889704	0.008792316
2270003040	0.01770552	0.002333592	0.003309516	0.002307336	0.005065344	0.006993276	0.008924496
2270003050	0.000683663	9.01072E-05	0.00012779	8.9093E-05	0.000195588	0.000270031	0.000344602

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000907954	0.000907954	0.000151326	0.001210606	0.001210606	0.000453977	0.000605303
2270002003	0.005443488	0.005406207	0.000385017	0.004118097	0.002703741	0.000156305	0.002105271
2270002006	2.17916E-05	2.16423E-05	1.54131E-06	1.64857E-05	1.08237E-05	6.25725E-07	8.42788E-06
2270002009	0.000146565	0.000145562	1.03665E-05	0.000110879	7.27979E-05	4.2085E-06	5.66843E-05
2270002015	0.01362693	0.013533582	0.000963829	0.010309023	0.006768387	0.000391285	0.005270214
2270002018	0.01481283	0.01471137	0.001047707	0.011206167	0.007357419	0.000425337	0.005728866
2270002021	0.000818601	0.000812995	5.78995E-05	0.000619287	0.000406593	2.35054E-05	0.000316594
2270002024	0.000505598	0.000502135	3.57608E-05	0.000382494	0.000251126	1.45178E-05	0.00019554
2270002027	0.001507251	0.001496928	0.000106608	0.001140264	0.00074864	4.32794E-05	0.00058293
2270002030	0.006464535	0.006420261	0.000457235	0.004890537	0.003210885	0.000185624	0.002500158
2270002033	0.005565846	0.005527728	0.000393671	0.004210662	0.002764518	0.000159818	0.00215259
2270002036	0.055220189	0.054841979	0.003905712	0.04177503	0.02742741	0.001585596	0.0213564
2270002039	0.000457434	0.000454301	3.23542E-05	0.000346058	0.000227204	1.31348E-05	0.000176913
2270002042	0.000217288	0.0002158	1.53688E-05	0.000164382	0.000107925	6.23924E-06	8.40363E-05
2270002045	0.012604449	0.012518142	0.00089151	0.009535503	0.006260538	0.000361926	0.004874778
2270002048	0.01374297	0.013648878	0.000972038	0.010396806	0.006826035	0.000394618	0.005315103
2270002051	0.047194529	0.046871309	0.003338058	0.035703509	0.02344116	0.001355151	0.01825251
2270002054	0.002226732	0.002211483	0.000157496	0.001684566	0.001106002	6.39387E-05	0.00086119
2270002057	0.0176814	0.01756035	0.001250601	0.013376316	0.008782224	0.000507706	0.006838293
2270002060	0.060113939	0.05970222	0.004251843	0.045477271	0.02985813	0.001726116	0.02324907
2270002066	0.0365625	0.036312089	0.00258606	0.02766024	0.01816032	0.00104986	0.01414056
2270002069	0.054995789	0.05461914	0.003889845	0.041605351	0.02731602	0.001579152	0.02126964
2270002072	0.025101481	0.02492955	0.001775421	0.0189897	0.012467718	0.000720766	0.009708
2270002075	0.005923275	0.005882709	0.000418952	0.004481067	0.002942046	0.000170081	0.002290827
2270002078	7.74651E-05	7.69346E-05	5.47909E-06	5.86038E-05	3.84763E-05	2.22434E-06	2.99597E-05
2270002081	0.005671647	0.0056328	0.000401154	0.004290705	0.002817063	0.000162857	0.00219351
2270003010	0.001331532	0.002402124	0.000894824	0.004170816	0.000500188	3.43769E-05	0.001204284
2270003020	0.01921968	0.034672801	0.01291608	0.060202438	0.007219812	0.000496204	0.017382959
2270003030	0.008393124	0.015141481	0.005640384	0.02629008	0.003152856	0.000216689	0.007591056
2270003040	0.008519304	0.015369121	0.005725188	0.026685359	0.003200256	0.000219947	0.007705176
2270003050	0.000328956	0.000593447	0.000221066	0.001030402	0.000123571	8.49282E-06	0.000297521

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FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000151326	0	0.000756629	0	0.000151326	0.000151326	0
2270002003	0.000323404	0.000285176	0.000772282	0.001262735	0.000689764	0.000158864	0.001548408
2270002006	1.29466E-06	1.14163E-06	3.09162E-06	5.05503E-06	2.76129E-06	6.35968E-07	6.19865E-06
2270002009	8.7076E-06	7.67835E-06	2.07936E-05	3.39991E-05	1.85718E-05	4.2774E-06	4.16908E-05
2270002015	0.00080959	0.000713894	0.001933287	0.003161064	0.001726713	0.000397691	0.003876204
2270002018	0.000880046	0.000776022	0.002101533	0.003436164	0.001876986	0.000432301	0.004213536
2270002021	4.8634E-05	4.28853E-05	0.000116137	0.000189893	0.000103728	2.38902E-05	0.000232853
2270002024	3.00381E-05	2.64875E-05	7.17305E-05	0.000117284	6.40661E-05	1.47554E-05	0.000143818
2270002027	8.95474E-05	7.89627E-05	0.000213838	0.000349641	0.000190989	4.39879E-05	0.00042874
2270002030	0.000384065	0.000338668	0.00091714	0.001499592	0.000819144	0.000188662	0.001838847
2270002033	0.000330673	0.000291586	0.000789641	0.001291119	0.000705268	0.000162435	0.001583214
2270002036	0.003280689	0.002892903	0.00783423	0.012809538	0.006997146	0.001611555	0.01570746
2270002039	2.71767E-05	2.39643E-05	6.48974E-05	0.000106112	5.79631E-05	1.33498E-05	0.000130118
2270002042	1.29093E-05	1.13834E-05	3.08272E-05	5.04048E-05	2.75334E-05	6.34138E-06	6.18081E-05
2270002045	0.000748844	0.000660329	0.001788228	0.002923884	0.001597155	0.000367851	0.00358536
2270002048	0.000816485	0.000719975	0.001949751	0.003187986	0.001741425	0.000401078	0.003909219
2270002051	0.002803875	0.002472453	0.00669561	0.010947801	0.005980188	0.001377333	0.01342455
2270002054	0.000132293	0.000116655	0.000315913	0.00051654	0.000282157	6.49854E-05	0.000633398
2270002057	0.001050473	0.000926303	0.00250851	0.004101594	0.002240472	0.000516018	0.005029509
2270002060	0.003571434	0.003149283	0.00852852	0.01394478	0.007617255	0.001754376	0.01709955
2270002066	0.002172219	0.001915458	0.005187219	0.008481483	0.004632969	0.001067048	0.010400268
2270002069	0.003267357	0.002881152	0.0078024	0.012757488	0.006968718	0.001605009	0.01564368
2270002072	0.001491306	0.001315029	0.00356121	0.005822841	0.003180699	0.000732566	0.007140159
2270002075	0.000351908	0.000310311	0.000840351	0.001374036	0.00075056	0.000172866	0.001684884
2270002078	4.60228E-06	4.05828E-06	1.09902E-05	1.79698E-05	9.81588E-06	2.26076E-06	2.20351E-05
2270002081	0.000336958	0.000297129	0.000804651	0.001315664	0.000718675	0.000165522	0.00161331
2270003010	0.000293779	9.22825E-05	0.000290261	0.000537936	0.000563516	0.000247748	0.001737456
2270003020	0.004240476	0.001332024	0.004189692	0.007764684	0.008133924	0.003576048	0.02507892
2270003030	0.001851792	0.000581688	0.001829616	0.003390792	0.003552036	0.001561644	0.010951812
2270003040	0.001879632	0.000590434	0.00185712	0.003441768	0.003605436	0.001585116	0.011116464
2270003050	7.25783E-05	2.27984E-05	7.17091E-05	0.000132898	0.000139217	6.12062E-05	0.00042924

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FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.004388451	0.000605303	0.001059281	0.000453977	0.000756629	0.000453977	0.000605303
2270002003	0.010137027	0.001125152	0.003998472	0.007878348	0.003632157	0.001419864	0.000237955
2270002006	4.05809E-05	4.50424E-06	1.60068E-05	3.15389E-05	1.45404E-05	5.68405E-06	9.52587E-07
2270002009	0.000272938	3.02946E-05	0.000107659	0.000212123	9.77955E-05	3.82297E-05	6.4069E-06
2270002015	0.02537646	0.002816637	0.010009539	0.01972224	0.009092535	0.003554412	0.000595682
2270002018	0.02758491	0.003061761	0.010880625	0.0214386	0.009883827	0.003863736	0.000647522
2270002021	0.00152442	0.000169202	0.000601297	0.001184762	0.00054621	0.000213522	3.5784E-05
2270002024	0.000941539	0.000104505	0.000371383	0.00073175	0.000337359	0.000131879	2.21015E-05
2270002027	0.002806848	0.000311544	0.001107139	0.002181441	0.00100571	0.000393147	6.58874E-05
2270002030	0.012038451	0.001336198	0.004748466	0.009356106	0.004313445	0.001686189	0.000282588
2270002033	0.010364877	0.001150441	0.004088346	0.008055435	0.003713799	0.001451778	0.000243303
2270002036	0.102832678	0.011413815	0.0405615	0.079920029	0.036845551	0.014403451	0.002413872
2270002039	0.000851847	9.45501E-05	0.000336004	0.000662044	0.000305222	0.000119316	1.99961E-05
2270002042	0.000404641	4.49128E-05	0.000159607	0.000314481	0.000144985	5.66769E-05	9.49846E-06
2270002045	0.02347239	0.002605299	0.009258501	0.0182424	0.008410296	0.003287715	0.000550986
2270002048	0.02559261	0.002840628	0.010094796	0.01989021	0.009169977	0.003584685	0.000600755
2270002051	0.087887072	0.00975495	0.034666321	0.068304541	0.03149043	0.012310089	0.002063046
2270002054	0.00414669	0.000460258	0.00163563	0.00322275	0.001485783	0.000580815	9.73385E-05
2270002057	0.032926861	0.003654687	0.012987723	0.02559027	0.011797905	0.004611969	0.000772918
2270002060	0.11194593	0.012425346	0.04415622	0.087002791	0.0401109	0.01567995	0.002627799
2270002066	0.06808782	0.007557348	0.026856661	0.052916851	0.024396241	0.009536865	0.00159828
2270002069	0.102414778	0.011367462	0.04039674	0.079595339	0.036695851	0.01434498	0.002404065
2270002072	0.04674471	0.005188389	0.01843809	0.03632934	0.01674891	0.006547398	0.001097275
2270002075	0.011030496	0.001224323	0.004350891	0.008572746	0.003952293	0.001545012	0.000258928
2270002078	0.000144257	1.60118E-05	5.69013E-05	0.000112115	5.16884E-05	2.02057E-05	3.38628E-06
2270002081	0.010561905	0.00117231	0.004166061	0.008208561	0.003784389	0.001479375	0.000247928
2270003010	0.006619044	0.000713778	0.001220856	0.002885604	0.002746344	0.001676844	0.000696187
2270003020	0.095540754	0.010302828	0.01762212	0.041651401	0.039641281	0.02420388	0.010048908
2270003030	0.0417222	0.004499184	0.007695468	0.018189	0.01731108	0.01056972	0.004388304
2270003040	0.04234944	0.004566828	0.00781116	0.01846236	0.017571359	0.010728624	0.00445428
2270003050	0.00163524	0.000176339	0.000301613	0.00071289	0.000678484	0.000414265	0.000171994

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FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.001059281	0	0.00302652	0.002421214	0	0.000605303	0.000453977
2270002003	0.002523057	0.000749548	0.006007854	0.01636758	0.000280478	0.006632454	0.001162432
2270002006	1.01004E-05	3.00061E-06	2.40508E-05	6.55231E-05	1.12281E-06	2.65512E-05	4.65348E-06
2270002009	6.7933E-05	2.01815E-05	0.000161761	0.000440695	7.55183E-06	0.000178578	3.12984E-05
2270002015	0.006316077	0.001876374	0.01503972	0.04097361	0.000702131	0.01660329	0.002909961
2270002018	0.006865743	0.00203967	0.01634859	0.04453941	0.000763235	0.01804827	0.003163212
2270002021	0.000379422	0.000112718	0.000903472	0.002461383	4.21787E-05	0.0009974	0.000174809
2270002024	0.000234344	6.96188E-05	0.000558016	0.001520238	2.60511E-05	0.00061603	0.000107968
2270002027	0.000698611	0.000207543	0.001663518	0.004532025	7.76616E-05	0.001836465	0.000321867
2270002030	0.00299631	0.000890141	0.007134759	0.01943766	0.000333087	0.007876518	0.001380473
2270002033	0.002579772	0.000766395	0.006142896	0.01673544	0.000286782	0.006781536	0.00118856
2270002036	0.02559453	0.007603605	0.06094524	0.166036799	0.002845236	0.067281361	0.01179201
2270002039	0.000212021	6.29869E-05	0.00050486	0.001375418	2.35694E-05	0.000557347	9.7683E-05
2270002042	0.000100713	2.99197E-05	0.000239816	0.000653346	1.11958E-05	0.000264749	4.64009E-05
2270002045	0.005842164	0.001735587	0.013911273	0.03789927	0.000649448	0.01535748	0.002691624
2270002048	0.006369867	0.001892358	0.01516782	0.0413226	0.000708111	0.01674471	0.002934753
2270002051	0.02187465	0.006498501	0.052087529	0.141905101	0.002431713	0.057502739	0.010078173
2270002054	0.001032091	0.000306612	0.002457597	0.006695376	0.000114733	0.002713098	0.000475509
2270002057	0.008195334	0.002434662	0.01951458	0.05316471	0.00091104	0.02154339	0.003775785
2270002060	0.0278628	0.008277456	0.06634638	0.180751498	0.003097389	0.073244009	0.012837039
2270002066	0.01694673	0.005034519	0.04035321	0.10993671	0.001883895	0.0445485	0.007807758
2270002069	0.02549055	0.007572711	0.06069765	0.1653621	0.002833677	0.06700803	0.011744088
2270002072	0.011634534	0.003456375	0.027703919	0.075475469	0.00129336	0.030584101	0.005360304
2270002075	0.002745438	0.000815612	0.006537384	0.01781016	0.000305199	0.007217037	0.00126489
2270002078	3.59051E-05	1.06666E-05	8.54965E-05	0.000232923	3.99141E-06	9.4385E-05	1.65423E-05
2270002081	0.002628807	0.000780964	0.006259668	0.01705359	0.000292233	0.006910446	0.001211155
2270003010	0.001227456	0.000790448	0.000745883	0.007508448	0.000175403	0.001922688	0.000774396
2270003020	0.01771728	0.011409504	0.010766232	0.1083786	0.002531796	0.0277524	0.011177796
2270003030	0.007737048	0.004982472	0.004701552	0.04732836	0.001105624	0.012119399	0.004881288
2270003040	0.007853376	0.005057376	0.004772244	0.048039839	0.001122245	0.01230156	0.004954668
2270003050	0.000303242	0.000195281	0.000184271	0.00185496	4.33333E-05	0.000475001	0.000191315

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000756629	0.000605303	0.002118559	0.000151326	0.000756629	0	0.001210606
2270002003	0.000304996	0.01720332	0.002953092	0.000498737	0.001109272	0.000338384	0.001270914
2270002006	1.22097E-06	6.88688E-05	1.18219E-05	1.99656E-06	4.44067E-06	1.35463E-06	5.08775E-06
2270002009	8.21197E-06	0.000463197	7.95118E-05	1.34284E-05	2.9867E-05	9.11096E-06	3.42191E-05
2270002015	0.000763509	0.04306575	0.007392603	0.001248508	0.002776887	0.000847092	0.003181527
2270002018	0.000829954	0.046813651	0.008035959	0.001357163	0.003018546	0.000920812	0.0034584
2270002021	4.58657E-05	0.002587062	0.000444091	7.50009E-05	0.000166814	5.08868E-05	0.000191122
2270002024	2.83283E-05	0.00159786	0.000274286	4.63233E-05	0.00010303	3.14296E-05	0.000118044
2270002027	8.44504E-05	0.004763436	0.000817684	0.000138096	0.000307147	9.36955E-05	0.000351904
2270002030	0.000362204	0.02043018	0.003507012	0.000592286	0.001317336	0.000401855	0.001509297
2270002033	0.000311851	0.01758999	0.00301947	0.000509947	0.001134204	0.000345991	0.001299479
2270002036	0.003093954	0.1745148	0.029956921	0.005059314	0.011252739	0.00343266	0.012892449
2270002039	2.56298E-05	0.001445649	0.000248158	4.19105E-05	9.32157E-05	2.84355E-05	0.000106799
2270002042	1.21745E-05	0.000686706	0.000117879	1.99081E-05	4.42789E-05	1.35073E-05	5.07311E-05
2270002045	0.00070622	0.039834421	0.006837915	0.001154829	0.002568528	0.000783532	0.002942805
2270002048	0.000770012	0.04343256	0.007455564	0.001259145	0.002800536	0.000854307	0.003208623
2270002051	0.002644278	0.1491507	0.02560302	0.004323999	0.009617268	0.002933757	0.011018658
2270002054	0.000124762	0.007037244	0.001208002	0.000204015	0.000453762	0.000138421	0.000519883
2270002057	0.000990679	0.05587938	0.009592167	0.001619985	0.003603108	0.001099132	0.004128141
2270002060	0.003368151	0.189980697	0.0326118	0.005507688	0.012249975	0.003736869	0.01403499
2270002066	0.002048577	0.115550129	0.01983516	0.003349887	0.007450686	0.002272842	0.008536377
2270002069	0.003081384	0.173805602	0.02983524	0.005038764	0.011206998	0.00341871	0.012840057
2270002072	0.001406418	0.079329302	0.013617561	0.002299815	0.005115162	0.001560387	0.00586053
2270002075	0.000331878	0.01871961	0.003213375	0.000542695	0.001207042	0.000368209	0.001382925
2270002078	4.34033E-06	0.000244816	4.20248E-05	7.09742E-06	1.57858E-05	4.81547E-06	1.80861E-05
2270002081	0.000317779	0.01792437	0.003076866	0.000519641	0.001155765	0.000352567	0.001324181
2270003010	0.000130691	0.004984284	5.65129E-05	0.000152754	0.00150774	0.000713118	0.000666134
2270003020	0.001886424	0.0719442	0.00081572	0.00220488	0.021763079	0.0102933	0.00961512
2270003030	0.000823789	0.031417681	0.00035622	0.000962858	0.009503832	0.004495032	0.004198872
2270003040	0.000836173	0.031890001	0.000361576	0.000977334	0.009646716	0.004562604	0.004262004
2270003050	3.22872E-05	0.001231368	1.39615E-05	3.77378E-05	0.000372488	0.000176176	0.000164569

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2268006015	0	0	0	0	0	0	0
2268006020	0	0	0	0	0	0	0
2268006035	0	0	0	0	0	0	0
2268010010	0	0	0	0	0	0	0
2270001060	0.000453977	0.000605303	0.000605303	0.001059281	0	0.000151326	0.000302651
2270002003	9.708E-05	0.00052569	0.001121599	0.000460789	0.000537429	0.000830127	0.004721763
2270002006	3.88634E-07	2.10446E-06	4.49002E-06	1.84464E-06	2.15146E-06	3.32319E-06	1.89023E-05
2270002009	2.61387E-06	1.41541E-05	3.0199E-05	1.24067E-05	1.44702E-05	2.23511E-05	0.000127133
2270002015	0.000243025	0.001315982	0.002807745	0.001153513	0.001345369	0.002078094	0.011820198
2270002018	0.000264174	0.001430508	0.003052095	0.0012539	0.001462449	0.00225894	0.012848856
2270002021	1.4599E-05	7.90541E-05	0.000168668	6.92942E-05	8.08196E-05	0.000124836	0.000710067
2270002024	9.0169E-06	4.88267E-05	0.000104175	4.27986E-05	4.99171E-05	7.71032E-05	0.000438563
2270002027	2.68806E-05	0.000145559	0.000310561	0.000127588	0.000148809	0.000229855	0.001307411
2270002030	0.000115289	0.000624294	0.001331976	0.00054722	0.000638236	0.000985835	0.005607429
2270002033	9.92621E-05	0.000537506	0.00114681	0.000471146	0.000549509	0.000848786	0.004827897
2270002036	0.000984805	0.005332734	0.0113778	0.00467436	0.005451822	0.008421024	0.04789878
2270002039	8.15795E-06	4.41754E-05	9.42517E-05	3.87216E-05	4.51619E-05	6.97583E-05	0.000396785
2270002042	3.87515E-06	2.0984E-05	4.4771E-05	1.83933E-05	2.14526E-05	3.31363E-05	0.000188479
2270002045	0.00022479	0.001217239	0.002597073	0.001066963	0.001244423	0.001922166	0.010933281
2270002048	0.000245094	0.001327191	0.002831664	0.001163336	0.00135683	0.002095794	0.011920854
2270002051	0.000841674	0.004557678	0.009724158	0.003994995	0.004659459	0.00719712	0.04093725
2270002054	3.97119E-05	0.000215041	0.000458806	0.000188491	0.000219843	0.000339575	0.001931499
2270002057	0.000315333	0.001707534	0.003643152	0.001496724	0.001745664	0.002696397	0.01533711
2270002060	0.00107208	0.005805336	0.012386136	0.005088615	0.005934975	0.009167319	0.05214369
2270002066	0.000652061	0.003530922	0.007533495	0.003095001	0.003609774	0.005575752	0.03171483
2270002069	0.000980803	0.005311071	0.011331579	0.004655373	0.005429673	0.008386812	0.047704201
2270002072	0.000447663	0.002424105	0.005172018	0.002124825	0.00247824	0.003827946	0.02177334
2270002075	0.000105636	0.000572024	0.001220457	0.000501402	0.000584798	0.000903294	0.005137938
2270002078	1.38152E-06	7.48097E-06	1.59613E-05	6.55738E-06	7.64804E-06	1.18134E-05	6.71944E-05
2270002081	0.000101149	0.000547724	0.00116861	0.000480102	0.000559955	0.00086492	0.004919667
2270003010	3.63559E-05	0.000104377	0.00039024	0.000482522	0.000602951	0.000504878	0.001621644
2270003020	0.00052477	0.0015066	0.0056328	0.006964824	0.008703132	0.007287516	0.023407199
2270003030	0.000229164	0.000657923	0.00245982	0.003041508	0.003800604	0.003182424	0.010221816
2270003040	0.000232609	0.000667813	0.002496792	0.003087228	0.003857748	0.003230268	0.010375488
2270003050	8.98175E-06	2.57863E-05	9.64088E-05	0.000119207	0.00014896	0.00012473	0.00040063

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2268006015	0	0	0	0
2268006020	0	0	0	0
2268006035	0	0	0	0
2268010010	0	0	0	0
2270001060	0.0046911	0.001059281	0.000907954	0.000605303
2270002003	0.001814928	0.004683162	0.000193059	0.012191484
2270002006	7.26559E-06	1.87478E-05	7.72859E-07	4.88053E-05
2270002009	4.88668E-05	0.000126094	5.19809E-06	0.000328254
2270002015	0.004543395	0.011723577	0.000483292	0.03051945
2270002018	0.004938789	0.012743802	0.000525352	0.0331755
2270002021	0.000272932	0.000704262	2.90325E-05	0.001833378
2270002024	0.000168573	0.000434977	1.79315E-05	0.00113236
2270002027	0.000502538	0.001296725	5.34562E-05	0.003375708
2270002030	0.002155362	0.005561592	0.000229271	0.01447827
2270002033	0.001855728	0.004788429	0.000197398	0.012465495
2270002036	0.01841115	0.04750722	0.001958439	0.12367359
2270002039	0.000152515	0.000393542	1.62234E-05	0.001024491
2270002042	7.24468E-05	0.000186938	7.70636E-06	0.000486649
2270002045	0.00420249	0.010843905	0.00044703	0.02822952
2270002048	0.004582092	0.011823399	0.000487409	0.0307794
2270002051	0.0157353	0.04060257	0.001673799	0.105698879
2270002054	0.000742422	0.00191571	7.89733E-05	0.004987089
2270002057	0.005895213	0.01521177	0.000627089	0.03960006
2270002060	0.02004279	0.05171742	0.002132001	0.134633671
2270002066	0.012190437	0.031455601	0.001296729	0.081887011
2270002069	0.01833633	0.047314199	0.001950483	0.123171031
2270002072	0.008369163	0.02159538	0.000890249	0.056218349
2270002075	0.001974897	0.005095935	0.000210075	0.013266021
2270002078	2.58279E-05	6.66451E-05	2.74738E-06	0.000173495
2270002081	0.001890999	0.004879452	0.000201151	0.012702456
2270003010	0.000122848	0.003165972	0.000466763	0.005741088
2270003020	0.001773216	0.045698281	0.006737364	0.082868038
2270003030	0.000774353	0.01995624	0.002942172	0.03618804
2270003040	0.000785994	0.020256239	0.002986404	0.03673212
2270003050	3.03496E-05	0.000782154	0.000115314	0.00141834

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2270003060	0.0128142	0.171631202	0.009736584	0.0242922	0.0067632	0.05176032	0.017305321
2270003070	0.008036172	0.061850399	0.003715464	0.01244748	0.004330044	0.040928761	0.0101052
2270004031	6.02868E-08	4.32055E-06	7.70332E-08	2.51195E-07	1.10526E-07	1.3933E-06	3.01434E-07
2270004036	1.56714E-05	0.001123119	2.00246E-05	6.52977E-05	7.05213E-05	0.000362184	7.8357E-05
2270004046	0.000415945	0.029809393	0.000531485	0.001733099	0.000762566	0.009612939	0.002079726
2270004056	8.58554E-05	0.006152964	0.000109704	0.000357731	0.000157402	0.001984212	0.000429277
2270004066	0.00056592	0.040557612	0.000723121	0.002357998	0.001037519	0.013079019	0.002829602
2270004071	6.67495E-05	0.004783713	8.52912E-05	0.000278123	0.000122374	0.001542654	0.000333747
2270004076	1.58094E-06	0.000113301	2.02009E-06	6.58725E-06	2.89839E-06	3.65373E-05	7.90471E-06
2270005010	2.77621E-06	2.91006E-07	1.55495E-06	6.46586E-07	2.06489E-06	3.68561E-06	1.2688E-06
2270005015	0.122572827	0.012848256	0.068652841	0.028547431	0.091166763	0.162723689	0.05601891
2270005020	0.011003655	0.001153424	0.00616314	0.00256278	0.008184285	0.014608122	0.005028966
2270005025	6.16249E-05	6.45961E-06	3.4516E-05	1.43525E-05	4.58352E-05	8.18112E-05	2.81642E-05
2270005030	1.21463E-05	1.27319E-06	6.80311E-06	2.82889E-06	9.03412E-06	1.6125E-05	5.55116E-06
2270005035	0.000934412	9.79465E-05	0.000523364	0.000217627	0.000694996	0.001240493	0.000427051
2270005040	1.49279E-06	1.56477E-07	8.36111E-07	3.47674E-07	1.11031E-06	1.98178E-06	6.82246E-07
2270005045	0.000863998	9.05656E-05	0.000483925	0.000201227	0.000642622	0.001147018	0.000394869
2270005055	0.002395104	0.000251059	0.001341494	0.000557825	0.001781428	0.003179661	0.001094626
2270005060	0.001758929	0.000184373	0.000985174	0.000409659	0.001308256	0.002335097	0.000803878
2270006005	0.005510244	0.139086004	0.002470104	0.00810702	0.002723448	0.027614521	0.009880428
2270006010	0.001299804	0.032808959	0.000582673	0.001912356	0.000642434	0.006513984	0.002330688
2270006015	0.00360252	0.090932518	0.001614924	0.005300256	0.001780548	0.018054001	0.006459684
2270006020	0	0	0	0	0	0	0
2270006025	0.001836708	0.046361161	0.000823354	0.002702292	0.0009078	0.00920466	0.003293412
2270006030	0.000176261	0.004449072	7.90135E-05	0.000259326	8.71174E-05	0.00088333	0.000316054
2270006035	0.000156282	0.003944784	7.00576E-05	0.000229932	7.72429E-05	0.000783208	0.00028023
2270007010	0	0	0	0	0	0	0
2270007015	0.008388108	0.000881887	0.004117776	0.00017605	0.007868388	0.001661088	0.002267712
2270008005	0	0.127557602	0	0.000133954	0	0.000160969	0
2270009010	0	0	0.02510667	0.001902549	0	0	0
2270010010	0	0.0174612	0.005099283	0.000772618	0	0.00288444	0
2282005010	0.007033855	0.066821581	0.047478549	0.038686244	0.012309255	0.029893911	0.0052754
2282005015	0.002630836	0.024992928	0.017758142	0.014469615	0.004603965	0.011181065	0.001973126
2282010005	0.003496604	0.033217761	0.023602079	0.019231332	0.006119041	0.014860554	0.002622451
2282020005	0.001740286	0.016532715	0.011746922	0.009571566	0.003045494	0.007396216	0.001305214

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2270003060	0.008504724	0.082587719	0.024155161	0.020387161	0.000792823	0.008099568	0.01878684
2270003070	0.006773688	0.042038519	0.017461441	0.006565716	0.001468452	0.0031782	0.008586084
2270004031	1.10526E-07	5.06744E-06	4.9904E-07	3.6507E-07	0	1.10526E-07	3.95213E-07
2270004036	8.88048E-05	0.00131727	0.000129724	9.4899E-05	0	8.44515E-05	0.000102735
2270004046	0.000762566	0.034962446	0.003443097	0.002518779	0	0.000762566	0.00272675
2270004056	0.000157402	0.00721662	0.000710691	0.000519901	0	0.000157402	0.000562829
2270004066	0.001037519	0.047568712	0.004684563	0.003426959	0	0.001037519	0.003709919
2270004071	0.000122374	0.005610666	0.000552538	0.000404205	0	0.000122374	0.00043758
2270004076	2.89839E-06	0.000132887	1.30867E-05	9.57348E-06	0	2.89839E-06	1.03639E-05
2270005010	3.30848E-06	1.1961E-06	1.78957E-06	1.12344E-06	1.09534E-08	2.51043E-07	1.93737E-06
2270005015	0.146072636	0.052809	0.07901121	0.049601118	0.000483605	0.011083851	0.085536808
2270005020	0.013113327	0.004740798	0.007093044	0.004452821	4.34144E-05	0.000995025	0.007678857
2270005025	7.34399E-05	2.65503E-05	3.97239E-05	2.49376E-05	2.43138E-07	5.57253E-06	4.30046E-05
2270005030	1.4475E-05	5.23307E-06	7.82959E-06	4.9152E-06	4.79225E-08	1.09835E-06	8.47623E-06
2270005035	0.001113562	0.00040258	0.00060233	0.000378126	3.68668E-06	8.44959E-05	0.000652076
2270005040	1.779E-06	6.43152E-07	9.62264E-07	6.04084E-07	5.88974E-09	1.34988E-07	1.04174E-06
2270005045	0.001029647	0.000372243	0.000556939	0.000349631	3.40886E-06	7.81285E-05	0.000602937
2270005055	0.002854306	0.001031901	0.001543902	0.00096922	9.44978E-06	0.000216581	0.001671413
2270005060	0.002096157	0.000757813	0.00113382	0.000711781	6.93977E-06	0.000159054	0.001227461
2270006005	0.003673488	0.090443881	0.0178608	0.008867052	0.000190008	0.001836744	0.007283652
2270006010	0.000866539	0.0213348	0.004213176	0.002091648	4.4821E-05	0.00043327	0.001718136
2270006015	0.00240168	0.059130957	0.011677116	0.005797152	0.000124225	0.00120084	0.004761948
2270006020	0	0	0	0	0	0	0
2270006025	0.001224468	0.030147359	0.005953476	0.002955624	6.33348E-05	0.000612236	0.00242784
2270006030	0.000117507	0.002893104	0.000571328	0.000283638	6.07796E-06	5.87536E-05	0.000232988
2270006035	0.000104188	0.00256518	0.00050657	0.000251489	5.38904E-06	5.2094E-05	0.00020658
2270007010	0	0	0	0	0	0	0
2270007015	0.005600952	0.000269291	0.002512296	0.00624072	0.002505156	0.000529483	0.006774276
2270008005	0	2.87044E-05	1.15943E-05	0.001438596	0	8.3299E-06	0.000113692
2270009010	0	0	0	0.001747533	0	0	0
2270010010	0	0.001287698	0.000824127	0.008498805	0	0.000772618	0.001287698
2282005010	0.047478549	0.066821581	0.028135484	0.024618486	0.007033855	0.028135484	0.019343121
2282005015	0.017758142	0.024992928	0.010523355	0.009207936	0.002630836	0.010523355	0.007234807
2282010005	0.023602079	0.033217761	0.013986417	0.012238118	0.003496604	0.013986417	0.009615651
2282020005	0.011746922	0.016532715	0.006961136	0.006091001	0.001740286	0.006961136	0.00478578

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FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2270003060	0.061001999	0.00558894	0.011300952	0.005090388	0.008745456	0.01221672	0.029489399
2270003070	0.025165681	0.003316848	0.004703988	0.003279528	0.007199628	0.009939888	0.01268484
2270004031	4.76936E-06	1.10526E-07	1.10526E-07	6.49758E-07	6.02868E-08	6.49758E-07	1.10526E-06
2270004036	0.001239783	5.83326E-05	0.000117535	5.31087E-05	1.56714E-05	0.000127113	0.000287309
2270004046	0.032905848	0.000762566	0.000762566	0.00448296	0.000415945	0.00448296	0.007625664
2270004056	0.006792111	0.000157402	0.000157402	0.000925329	8.58554E-05	0.000925329	0.001574012
2270004066	0.044770555	0.001037519	0.001037519	0.00609936	0.00056592	0.00609936	0.010375194
2270004071	0.005280624	0.000122374	0.000122374	0.000719411	6.67495E-05	0.000719411	0.00122374
2270004076	0.00012507	2.89839E-06	2.89839E-06	1.7039E-05	1.58094E-06	1.7039E-05	2.89839E-05
2270005010	2.43343E-06	1.14654E-06	6.50174E-07	6.6811E-07	1.61314E-06	2.54189E-06	2.36543E-06
2270005015	0.107438343	0.050621129	0.028705833	0.029497788	0.071221829	0.112226642	0.104436239
2270005020	0.009645009	0.004544393	0.002576998	0.002648093	0.006393765	0.010074888	0.009375516
2270005025	5.40159E-05	2.54504E-05	1.44322E-05	1.48304E-05	3.58076E-05	5.64234E-05	5.25066E-05
2270005030	1.06465E-05	5.01628E-06	2.84459E-06	2.92306E-06	7.05769E-06	1.11211E-05	1.03491E-05
2270005035	0.000819038	0.000385903	0.000218834	0.000224871	0.000542948	0.000855543	0.000796153
2270005040	1.30848E-06	6.16506E-07	3.49603E-07	3.59248E-07	8.674E-07	1.36679E-06	1.27192E-06
2270005045	0.000757318	0.000356822	0.000202343	0.000207925	0.000502033	0.000791072	0.000736158
2270005055	0.002099374	0.000989152	0.00056092	0.000576394	0.001391696	0.002192948	0.002040715
2270005060	0.001541748	0.000726418	0.000411931	0.000423296	0.001022039	0.001610465	0.001498675
2270006005	0.063082678	0.002470104	0.0047502	0.001836744	0.003673488	0.005383572	0.016340761
2270006010	0.014880599	0.000582673	0.001120524	0.00043327	0.000866539	0.001269924	0.003854604
2270006015	0.041242559	0.001614924	0.003105612	0.00120084	0.00240168	0.003519696	0.010683324
2270006020	0	0	0	0	0	0	0
2270006025	0.02102712	0.000823354	0.001583376	0.000612236	0.001224468	0.001794492	0.0054468
2270006030	0.002017884	7.90135E-05	0.000151949	5.87536E-05	0.000117507	0.000172208	0.000522704
2270006035	0.001789164	7.00576E-05	0.000134726	5.2094E-05	0.000104188	0.000152689	0.000463458
2270007010	0	0	0	0	0	0	0
2270007015	0.002035452	0.004486704	0.01348104	0.00453084	0.004388496	0.004152036	0.001793184
2270008005	0.00012675	0	1.23823E-06	0	1.18194E-05	0	0
2270009010	0	0	0.000295953	0	0	0	0
2270010010	0.000515079	0.006232455	0.004738728	0	0	0.00365706	0
2282005010	0.017584638	0.029893911	0.029893911	0.033410821	0.019343121	0.114300306	0.0052754
2282005015	0.006577097	0.011181065	0.011181065	0.012496485	0.007234807	0.042751071	0.001973126
2282010005	0.008741513	0.014860554	0.014860554	0.016608834	0.009615651	0.056819929	0.002622451
2282020005	0.004350706	0.007396216	0.007396216	0.008266351	0.00478578	0.028279605	0.001305214

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FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2270003060	0.034253399	0.0750324	0.004681308	0.038276039	0.01989432	0.000675302	0.01782264
2270003070	0.01210896	0.0218448	0.008137488	0.03792912	0.004548672	0.000312622	0.01095174
2270004031	1.79855E-06	2.60908E-06	1.10526E-07	7.23441E-07	1.8421E-07	1.10526E-07	3.55022E-07
2270004036	0.000467532	0.000678225	4.87554E-05	0.000188057	4.78848E-05	6.96507E-06	9.22872E-05
2270004046	0.012409017	0.018001182	0.000762566	0.004991336	0.001270942	0.000762566	0.002449449
2270004056	0.00256135	0.003715626	0.000157402	0.001030263	0.000262336	0.000157402	0.000505593
2270004066	0.016883292	0.024491807	0.001037519	0.006791046	0.001729202	0.001037519	0.003332642
2270004071	0.001991361	0.002888773	0.000122374	0.000800994	0.000203957	0.000122374	0.00039308
2270004076	4.71647E-05	6.84196E-05	2.89839E-06	1.89713E-05	4.83065E-06	2.89839E-06	9.30999E-06
2270005010	1.50932E-06	1.33689E-08	2.00127E-07	2.0546E-06	1.24319E-06	4.76162E-08	3.94311E-06
2270005015	0.066638189	0.000590251	0.008835813	0.090712832	0.054888059	0.002102308	0.174092488
2270005020	0.005982279	5.29883E-05	0.000793214	0.008143515	0.004927444	0.00018873	0.015628701
2270005025	3.35031E-05	2.96755E-07	4.44231E-06	4.56069E-05	2.75956E-05	1.05696E-06	8.75268E-05
2270005030	6.60347E-06	5.84905E-08	8.75581E-07	8.98913E-06	5.4391E-06	2.08327E-07	1.72516E-05
2270005035	0.000508005	4.49968E-06	6.73584E-05	0.000691534	0.00041843	1.60266E-05	0.001327164
2270005040	8.11576E-07	7.18857E-09	1.0761E-07	1.10478E-06	6.68473E-07	2.56037E-08	2.12024E-06
2270005045	0.000469723	4.1606E-06	6.22825E-05	0.000639422	0.000386898	1.48188E-05	0.001227152
2270005055	0.001302128	1.15337E-05	0.000172654	0.001772558	0.001072528	4.10796E-05	0.003401815
2270005060	0.000956263	8.47016E-06	0.000126795	0.001301738	0.000787649	3.01683E-05	0.002498243
2270006005	0.020520839	0.045095279	0.00253344	0.02090088	0.007600332	0.000126672	0.008043684
2270006010	0.004840668	0.010637508	0.000597613	0.004930308	0.001792836	2.98806E-05	0.001897416
2270006015	0.01341624	0.029482679	0.001656324	0.01366476	0.004968984	8.28164E-05	0.005258844
2270006020	0	0	0	0	0	0	0
2270006025	0.006840168	0.01503144	0.000844465	0.006966828	0.002533392	4.22232E-05	0.002681172
2270006030	0.000656419	0.001442508	8.10395E-05	0.000668575	0.000243119	4.05197E-06	0.0002573
2270006035	0.000582017	0.001278996	7.1854E-05	0.000592795	0.000215562	3.59269E-06	0.000228136
2270007010	0	0	0	0	0	0	0
2270007015	0.002332944	8.0808E-05	0.010131384	0.001385532	0.004701624	0.005426196	0.008210964
2270008005	0.01114404	0	0	0.001641216	2.58902E-05	0	4.39008E-06
2270009010	0	0	0	0	0	0	0
2270010010	0.000515079	0.000515079	0	0.002266347	0.000515079	0.000515079	0
2282005010	0.147711032	0.029893911	0.015826212	0.100232433	0.035169335	0.014067716	0.003516934
2282005015	0.055247459	0.011181065	0.005919387	0.037489406	0.013154194	0.005261678	0.001315419
2282010005	0.073428644	0.014860554	0.007867346	0.27710604	0.017483052	0.006993209	0.001748305
2282020005	0.036545935	0.007396216	0.003915639	0.13791728	0.008701407	0.003480565	0.000870141

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FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2270003060	0.001944036	0.00548796	0.006212196	0.01207548	0.006209748	0.003105012	0.02861004
2270003070	0.002671608	0.000839212	0.002639616	0.004891956	0.005124588	0.002253012	0.0158004
2270004031	1.10526E-07	1.10526E-07	6.53107E-07	9.37796E-08	1.10526E-07	1.10526E-07	4.75596E-07
2270004036	2.00246E-05	5.7462E-05	6.44268E-05	2.43778E-05	6.44268E-05	3.22134E-05	0.00012363
2270004046	0.000762566	0.000762566	0.004506068	0.000647026	0.000762566	0.000762566	0.003281338
2270004056	0.000157402	0.000157402	0.000930099	0.000133553	0.000157402	0.000157402	0.000677303
2270004066	0.001037519	0.001037519	0.0061308	0.000880321	0.001037519	0.001037519	0.004464483
2270004071	0.000122374	0.000122374	0.00072312	0.000103833	0.000122374	0.000122374	0.000526579
2270004076	2.89839E-06	2.89839E-06	1.71269E-05	2.45924E-06	2.89839E-06	2.89839E-06	1.24719E-05
2270005010	9.76314E-07	9.76051E-07	1.48111E-06	1.76924E-06	9.47781E-07	1.06746E-06	3.86502E-07
2270005015	0.043105191	0.043093635	0.0653922	0.078113639	0.041845523	0.047129278	0.017064483
2270005020	0.003869669	0.003868626	0.005870424	0.00701247	0.003756581	0.004230918	0.001531923
2270005025	2.16717E-05	2.16658E-05	3.28767E-05	3.92726E-05	2.10384E-05	2.36948E-05	8.57937E-06
2270005030	4.27149E-06	4.27034E-06	6.48E-06	7.74065E-06	4.14666E-06	4.67025E-06	1.69099E-06
2270005035	0.000328606	0.000328517	0.000498507	0.000595487	0.000319003	0.000359283	0.000130089
2270005040	5.24971E-07	5.2483E-07	7.964E-07	9.51334E-07	5.0963E-07	5.7398E-07	2.07826E-07
2270005045	0.000303843	0.00030376	0.000460941	0.000550613	0.000294964	0.000332208	0.000120285
2270005055	0.000842287	0.000842061	0.001277785	0.001526363	0.000817672	0.00092092	0.000333445
2270005060	0.000618564	0.000618398	0.000938384	0.001120942	0.000600487	0.000676309	0.000244877
2270006005	0.000506688	0.002026752	0.001330056	0.003990168	0.003293472	0.001013377	0.01659408
2270006010	0.000119523	0.000478091	0.000313747	0.00094124	0.000776897	0.000239045	0.003914364
2270006015	0.000331266	0.001325064	0.000869573	0.002608716	0.002153232	0.000662532	0.01084896
2270006020	0	0	0	0	0	0	0
2270006025	0.000168893	0.000675571	0.000443344	0.001330032	0.001097804	0.000337786	0.005531244
2270006030	1.62079E-05	6.48316E-05	4.25458E-05	0.000127637	0.000105351	3.24158E-05	0.000530808
2270006035	1.43708E-05	5.74831E-05	3.77233E-05	0.00011317	9.341E-05	2.87416E-05	0.000470644
2270007010	0	0	0	0	0	0	0
2270007015	0.005719104	0.002023236	0.009312432	0.005500224	0.007523772	0.006272112	0.00122958
2270008005	0	0	0	7.87963E-06	2.983E-05	0	0
2270009010	0	0.289230002	0	0.01588986	0.000838532	0	0
2270010010	0	0.000515079	0.000772618	0.02606301	0.00365706	0.000772618	0
2282005010	0.001758464	0.008792316	0.068580246	0.021101548	0.007033855	0.008792316	0.026376971
2282005015	0.00065771	0.003288546	0.025650642	0.007892517	0.002630836	0.003288546	0.009865646
2282010005	0.000874151	0.004370757	0.034091885	0.010489812	0.003496604	0.004370757	0.013112255
2282020005	0.000435071	0.002175353	0.016967739	0.005220847	0.001740286	0.002175353	0.006526051

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FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2270003060	0.064870801	0.01271844	0.01648716	0.04301028	0.0426642	0.016105921	0.006165564
2270003070	0.060193319	0.006491064	0.011102388	0.026241481	0.024975001	0.01524912	0.00633108
2270004031	2.34114E-06	8.37318E-08	2.7464E-07	1.93252E-06	1.40334E-06	1.07176E-07	7.36838E-08
2270004036	0.000608574	2.17658E-05	7.13919E-05	0.000502356	0.000364797	2.78603E-05	1.9154E-05
2270004046	0.016152522	0.000577701	0.00189486	0.013333332	0.009682269	0.000739458	0.000508377
2270004056	0.003334049	0.000119244	0.000391119	0.002752143	0.00199852	0.000152632	0.000104934
2270004066	0.021976563	0.000786001	0.002578084	0.018140853	0.013173363	0.001006082	0.00069168
2270004071	0.002592105	9.27078E-05	0.000304081	0.002139692	0.00155378	0.000118666	8.15829E-05
2270004076	6.13932E-05	2.19575E-06	7.20206E-06	5.06779E-05	3.68007E-05	2.81056E-06	1.93226E-06
2270005010	7.13301E-06	1.12595E-06	2.28257E-06	1.58614E-06	6.98196E-07	1.79298E-06	2.99951E-07
2270005015	0.314930093	0.049711995	0.100777528	0.07002972	0.030826107	0.07916217	0.013243164
2270005020	0.028272054	0.004462775	0.009047091	0.006286752	0.002767339	0.007106598	0.001188874
2270005025	0.000158335	2.49933E-05	5.06672E-05	3.52083E-05	1.54982E-05	3.97997E-05	6.65815E-06
2270005030	3.12078E-05	4.92618E-06	9.98653E-06	6.93956E-06	3.0547E-06	7.84454E-06	1.31232E-06
2270005035	0.002400817	0.000378972	0.000768262	0.00053386	0.000234998	0.000603481	0.000100957
2270005040	3.83548E-06	6.05435E-07	1.22736E-06	8.52882E-07	3.75426E-07	9.64103E-07	1.61286E-07
2270005045	0.002219899	0.000350413	0.000710368	0.00049363	0.000217289	0.000558004	9.33493E-05
2270005055	0.006153819	0.000971387	0.001969227	0.001368397	0.000602351	0.001546851	0.000258775
2270005060	0.004519275	0.000713372	0.001446172	0.001004933	0.000442357	0.001135985	0.000190041
2270006005	0.042625199	0.005953596	0.007536996	0.033694801	0.023561041	0.008613708	0.002470104
2270006010	0.010054836	0.001404396	0.001777896	0.007948248	0.0055578	0.002031888	0.000582673
2270006015	0.027867721	0.003892368	0.004927584	0.02202912	0.015403919	0.005631516	0.001614924
2270006020	0	0	0	0	0	0	0
2270006025	0.014208119	0.001984488	0.002512284	0.011231376	0.00785352	0.00287118	0.000823354
2270006030	0.001363488	0.000190442	0.000241092	0.001077824	0.000753667	0.000275534	7.90135E-05
2270006035	0.00120894	0.000168857	0.000213766	0.000955657	0.000668242	0.000244303	7.00576E-05
2270007010	0	0	0	0	0	0	0
2270007015	0.002400216	0.001927044	0.0015096	0.000334471	0.002938752	0.00889026	0.006008844
2270008005	7.87962E-05	0	0	0.011049492	0.004259496	4.11992E-05	2.13876E-05
2270009010	0	0	0	0	0	0	0
2270010010	0.000772618	0	0	0.000515079	0	0.000772618	0.007262613
2282005010	0.15826212	0.0105508	0.003516934	0.007033855	0.073855577	0.040444698	0.012309255
2282005015	0.059193878	0.003946255	0.001315419	0.002630836	0.02762379	0.015127341	0.004603965
2282010005	0.078673461	0.005244909	0.001748305	0.003496604	0.036714325	0.020105457	0.006119041
2282020005	0.039156386	0.002610427	0.000870141	0.001740286	0.018272998	0.010006622	0.003045494

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2270003060	0.01624224	0.006304908	0.02022456	0.103620842	0.002465352	0.037097161	0.01267212
2270003070	0.011162376	0.007188288	0.006783012	0.068281442	0.0015951	0.01748484	0.007042308
2270004031	1.3732E-07	1.10526E-07	2.81339E-07	8.16887E-06	1.10526E-07	7.87077E-07	6.53107E-07
2270004036	3.56961E-05	6.61683E-05	7.31334E-05	0.002123478	2.6119E-05	0.000204599	0.000133207
2270004046	0.000947429	0.000762566	0.001941076	0.056360489	0.000762566	0.00543039	0.004506068
2270004056	0.00019556	0.000157402	0.000400658	0.011633373	0.000157402	0.001120888	0.000930099
2270004066	0.001289042	0.001037519	0.002640957	0.07668204	0.001037519	0.007388403	0.0061308
2270004071	0.00015204	0.000122374	0.000311498	0.009044556	0.000122374	0.000871452	0.00072312
2270004076	3.60103E-06	2.89839E-06	7.37772E-06	0.000214218	2.89839E-06	2.064E-05	1.71269E-05
2270005010	2.07694E-06	1.19256E-06	3.37475E-07	6.09445E-07	5.11103E-07	1.45403E-06	1.91919E-06
2270005015	0.091699082	0.05265273	0.014899878	0.026907633	0.022565751	0.064196939	0.08473416
2270005020	0.00823206	0.00472677	0.001337603	0.002415569	0.002025784	0.005763123	0.007606815
2270005025	4.61028E-05	2.64717E-05	7.49109E-06	1.35281E-05	1.13452E-05	3.22758E-05	4.26012E-05
2270005030	9.08685E-06	5.21759E-06	1.4765E-06	2.6664E-06	2.23614E-06	6.36155E-06	8.3967E-06
2270005035	0.000699052	0.000401389	0.000113587	0.000205126	0.000172027	0.000489395	0.000645958
2270005040	1.11678E-06	6.41249E-07	1.81463E-07	3.27703E-07	2.74825E-07	7.81843E-07	1.03197E-06
2270005045	0.000646374	0.000371142	0.000105027	0.000189668	0.000159063	0.000452515	0.00059728
2270005055	0.001791826	0.001028849	0.000291148	0.000525783	0.000440941	0.001254425	0.001655732
2270005060	0.001315893	0.000755573	0.000213815	0.000386127	0.000323821	0.000921231	0.001215949
2270006005	0.007727004	0.003230136	0.007600332	0.114194881	0.000823369	0.01938084	0.00411684
2270006010	0.001822716	0.000761957	0.001792836	0.026937361	0.000194225	0.004571736	0.000971122
2270006015	0.005051808	0.00211182	0.004968984	0.074659081	0.000538307	0.01267092	0.00269154
2270006020	0	0	0	0	0	0	0
2270006025	0.00257562	0.001076693	0.002533392	0.03806424	0.000274451	0.006460152	0.00137226
2270006030	0.00024717	0.000103325	0.000243119	0.003652848	2.63378E-05	0.000619952	0.000131689
2270006035	0.000219155	9.16138E-05	0.000215562	0.003238812	2.33525E-05	0.000549683	0.000116763
2270007010	0	0	0	0	0	0	0
2270007015	0.004316556	0.004077096	0.001061398	0.000484849	9.1144E-05	0.000116089	0.001678224
2270008005	2.16127E-05	0	6.75396E-06	0.000100071	0	0	0
2270009010	0	0	0	0	0	0	0.001359972
2270010010	0.00288444	0	0	0.00370857	0	0.000772618	0
2282005010	0.049237032	0.012309255	0.040444698	0.019343121	0.007033855	0.015826212	0.079130854
2282005015	0.01841583	0.004603965	0.015127341	0.007234807	0.002630836	0.005919387	0.029596877
2282010005	0.024476235	0.006119041	0.020105457	0.009615651	0.003496604	0.007867346	0.039336789
2282020005	0.012181972	0.003045494	0.010006622	0.00478578	0.001740286	0.003915639	0.019578192

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2270003060	0.005955732	0.201522008	0.006789084	0.002462508	0.02017344	0.005141352	0.010795224
2270003070	0.001188494	0.045326759	0.000513925	0.001389132	0.01371132	0.006485064	0.006057792
2270004031	1.10526E-07	1.16555E-06	1.10526E-07	1.10526E-07	6.69853E-08	6.53107E-07	1.03827E-07
2270004036	6.1815E-05	0.000302982	7.05213E-05	2.6119E-05	1.74127E-05	5.39793E-05	2.69896E-05
2270004046	0.000762566	0.008041587	0.000762566	0.000762566	0.000462161	0.004506068	0.000716349
2270004056	0.000157402	0.001659872	0.000157402	0.000157402	9.53948E-05	0.000930099	0.000147862
2270004066	0.001037519	0.010941135	0.001037519	0.001037519	0.0006288	0.0061308	0.00097464
2270004071	0.000122374	0.001290488	0.000122374	0.000122374	7.41661E-05	0.00072312	0.000114957
2270004076	2.89839E-06	3.05648E-05	2.89839E-06	2.89839E-06	1.7566E-06	1.71269E-05	2.72273E-06
2270005010	1.66294E-06	1.09534E-08	5.96698E-08	8.08257E-07	1.52413E-06	1.40818E-06	2.32803E-06
2270005015	0.073420261	0.000483605	0.002634484	0.035685365	0.067291739	0.062172751	0.102785041
2270005020	0.006591123	4.34144E-05	0.000236504	0.00320357	0.006040953	0.005581404	0.009227286
2270005025	3.69129E-05	2.43138E-07	1.32452E-06	1.79412E-05	3.38317E-05	3.12581E-05	5.16764E-05
2270005030	7.27554E-06	4.79225E-08	2.61063E-07	3.53622E-06	6.66824E-06	6.16098E-06	1.01854E-05
2270005035	0.000559708	3.68668E-06	2.00836E-05	0.000272042	0.000512988	0.000473964	0.000783563
2270005040	8.94173E-07	5.88974E-09	3.20849E-08	4.34606E-07	8.19534E-07	7.57191E-07	1.2518E-06
2270005045	0.000517529	3.40886E-06	1.85701E-05	0.000251541	0.000474331	0.000438247	0.000724517
2270005055	0.001434653	9.44978E-06	5.14786E-05	0.000697302	0.001314898	0.001214873	0.002008447
2270005060	0.001053586	6.93977E-06	3.78051E-05	0.000512088	0.000965643	0.000892184	0.001474977
2270006005	0.0015834	0.082210198	0.0015834	0.000696697	0.007346988	0.002406768	0.00506688
2270006010	0.000373508	0.0193926	0.000373508	0.000164344	0.001733076	0.000567732	0.001195226
2270006015	0.001035206	0.053747881	0.001035206	0.00045549	0.00480336	0.001573512	0.00331266
2270006020	0	0	0	0	0	0	0
2270006025	0.00052779	0.027402839	0.00052779	0.000232228	0.002448948	0.000802242	0.001688928
2270006030	5.06497E-05	0.002629728	5.06497E-05	2.22858E-05	0.000235014	7.69874E-05	0.000162079
2270006035	4.49087E-05	0.00233166	4.49087E-05	1.97598E-05	0.000208376	6.82612E-05	0.000143708
2270007010	0	0	0	0	0	0	0
2270007015	0.005692464	4.08246E-05	0.001510284	0.01949856	0.006104532	0.003314376	0.008225424
2270008005	0	0.170208	0	0	1.12566E-05	0	3.71468E-06
2270009010	0	0	0	0	0.000789207	0	0.010273791
2270010010	0	0.000515079	0	0.000515079	0.000515079	0	0.001287698
2282005010	0.0105508	0.035169335	0.089681761	0.001758464	0.017584638	0.003516934	0.029893911
2282005015	0.003946255	0.013154194	0.033543171	0.00065771	0.006577097	0.001315419	0.011181065
2282010005	0.005244909	0.017483052	0.044581693	0.000874151	0.008741513	0.001748305	0.014860554
2282020005	0.002610427	0.008701407	0.022188648	0.000435071	0.004350706	0.000870141	0.007396216

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2270003060	0.000885132	0.005689512	0.005640984	0.005720832	0.007712844	0.005855424	0.02763024
2270003070	0.000330619	0.000949195	0.00354882	0.004388028	0.005483208	0.004591332	0.01474716
2270004031	1.10526E-07	1.10526E-07	1.10526E-07	6.53107E-07	5.0239E-08	1.10526E-07	4.92342E-07
2270004036	9.57699E-06	5.92032E-05	5.92032E-05	6.00738E-05	1.30595E-05	6.09444E-05	0.000127983
2270004046	0.000762566	0.000762566	0.000762566	0.004506068	0.000346621	0.000762566	0.003396881
2270004056	0.000157402	0.000157402	0.000157402	0.000930099	7.15461E-05	0.000157402	0.000701152
2270004066	0.001037519	0.001037519	0.001037519	0.0061308	0.0004716	0.001037519	0.004621683
2270004071	0.000122374	0.000122374	0.000122374	0.00072312	5.56246E-05	0.000122374	0.000545121
2270004076	2.89839E-06	2.89839E-06	2.89839E-06	1.71269E-05	1.31745E-06	2.89839E-06	1.2911E-05
2270005010	3.09446E-07	1.63007E-06	2.14885E-06	1.18923E-06	5.6135E-07	6.33169E-07	2.23813E-06
2270005015	0.013662333	0.071969399	0.094874163	0.05250591	0.0247842	0.027955113	0.098815949
2270005020	0.001226504	0.006460878	0.008517102	0.004713592	0.002224939	0.0025096	0.008870961
2270005025	6.86891E-06	3.61835E-05	4.76991E-05	2.6398E-05	1.24605E-05	1.40547E-05	4.96808E-05
2270005030	1.35387E-06	7.13177E-06	9.4015E-06	5.20305E-06	2.45598E-06	2.77019E-06	9.79209E-06
2270005035	0.000104153	0.000548647	0.000723257	0.000400271	0.000188939	0.000213111	0.000753306
2270005040	1.66391E-07	8.76505E-07	1.15546E-06	6.39461E-07	3.01843E-07	3.4046E-07	1.20346E-06
2270005045	9.63042E-05	0.000507302	0.000668755	0.000370107	0.000174701	0.000197052	0.000696539
2270005055	0.000266966	0.001406305	0.001853866	0.001025981	0.000484291	0.00054625	0.001930888
2270005060	0.000196056	0.001032769	0.001361449	0.000753464	0.000355656	0.000401158	0.001418015
2270006005	0.000380016	0.002280096	0.001963416	0.00253344	0.003356808	0.002153424	0.01862076
2270006010	8.96419E-05	0.000537852	0.00046315	0.000597613	0.000791837	0.000507971	0.004392456
2270006015	0.000248449	0.0014907	0.001283652	0.001656324	0.002194632	0.001407876	0.012174
2270006020	0	0	0	0	0	0	0
2270006025	0.00012667	0.000760019	0.00065446	0.000844465	0.001118916	0.000717794	0.00620682
2270006030	1.21559E-05	7.29355E-05	6.28056E-05	8.10395E-05	0.000107377	6.88835E-05	0.00059564
2270006035	1.07781E-05	6.46685E-05	5.56867E-05	7.1854E-05	9.52064E-05	6.10758E-05	0.000528126
2270007010	0	0	0	0	0	0	0
2270007015	0.007145724	0.004417896	0.007194492	0.00140484	0.006844152	0.010137192	0.00133134
2270008005	0	0	1.46336E-06	0	0.001860036	0	2.94923E-05
2270009010	0	0	0	0	0	0	0.045626041
2270010010	0.000515079	0.000515079	0	0	0.002214843	0.007571664	0.000515079
2282005010	0.0105508	0.042203184	0.015826212	0.001758464	0.036927759	0.065063274	0.017584638
2282005015	0.003946255	0.015785058	0.005919387	0.00065771	0.013811904	0.024335212	0.006577097
2282010005	0.005244909	0.020979611	0.007867346	0.000874151	0.018357177	0.032343605	0.008741513
2282020005	0.002610427	0.010441702	0.003915639	0.000435071	0.009136486	0.016097598	0.004350706

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2270003060	0.006570852	0.049946398	0.003795768	0.052837679
2270003070	0.001117171	0.028791119	0.004244712	0.05220912
2270004031	1.27272E-07	2.15693E-06	1.10526E-07	1.32296E-06
2270004036	3.3084E-05	0.000560688	3.91785E-05	0.000343899
2270004046	0.000878106	0.01488156	0.000762566	0.009127686
2270004056	0.00018125	0.003071714	0.000157402	0.001884047
2270004066	0.001194718	0.020247399	0.001037519	0.012418785
2270004071	0.000140915	0.002388152	0.000122374	0.00146478
2270004076	3.33754E-06	5.65625E-05	2.89839E-06	3.46928E-05
2270005010	1.03041E-06	1.75723E-06	5.94689E-07	4.70516E-06
2270005015	0.045493662	0.077583809	0.026256145	0.207737729
2270005020	0.004084081	0.006964884	0.002357084	0.018649128
2270005025	2.28725E-05	3.90061E-05	1.32006E-05	0.000104443
2270005030	4.50817E-06	7.68811E-06	2.60184E-06	2.05856E-05
2270005035	0.000346814	0.000591447	0.00020016	0.001583657
2270005040	5.5406E-07	9.4488E-07	3.19769E-07	2.53E-06
2270005045	0.000320679	0.000546877	0.000185076	0.001464314
2270005055	0.000888959	0.001516007	0.000513052	0.004059256
2270005060	0.000652838	0.001113333	0.000376778	0.002981057
2270006005	0.003103464	0.026981159	0.00126672	0.028881239
2270006010	0.000732076	0.006364584	0.000298806	0.006812784
2270006015	0.002029008	0.01763988	0.000828164	0.01888212
2270006020	0	0	0	0
2270006025	0.00103447	0.008993544	0.000422232	0.009626892
2270006030	9.92734E-05	0.00086307	4.05197E-05	0.00092385
2270006035	8.80211E-05	0.000765244	3.59269E-05	0.000819134
2270007010	0	0	0	0
2270007015	0.0031374	0.003808332	0.00304626	0.003478536
2270008005	0	0.000422123	0	7.42937E-05
2270009010	0	0	0	0
2270010010	0	0.001751265	0.000772618	0
2282005010	0.09671576	0.063304609	0.035169335	0.026376971
2282005015	0.036173973	0.023677497	0.013154194	0.009865646
2282010005	0.048078316	0.031469421	0.017483052	0.013112255
2282020005	0.02392887	0.015662544	0.008701407	0.006526051

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	1	3	5	7	9	11	13
SCC	Adams	Allegheny	Armstrong	Beaver	Bedford	Berks	Blair
2282020010	7.53415E-06	7.15746E-05	5.08556E-05	4.14379E-05	1.31848E-05	3.20202E-05	5.65061E-06
2285002015	2.93898E-05	0.003596364	2.08008E-05	0.002700276	0.00042146	0.001686132	0.001217004
2285004015	2.21572E-06	0.000271133	1.56818E-06	0.000203576	3.17743E-05	0.000127118	9.17506E-05
2285006015	0	0	0	0	0	0	0
Total	**0.576199183**	**5.232526612**	**0.419051617**	**0.566048197**	**0.309484399**	**1.82164033**	**0.540935477**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	15	17	19	21	23	25	27
SCC	Bradford	Bucks	Butler	Cambria	Cameron	Carbon	Centre
2282020010	5.08556E-05	7.15746E-05	3.01366E-05	2.63695E-05	7.53415E-06	3.01366E-05	2.0719E-05
2285002015	7.25987E-05	0.000179962	3.92263E-05	0.001157045	0.000124925	3.09012E-05	0
2285004015	5.47327E-06	1.35674E-05	2.9573E-06	8.72305E-05	9.41815E-06	2.32967E-06	0
2285006015	0	0	0	0	0	0	0
Total	**0.532366542**	**3.149995025**	**0.952648213**	**0.560913303**	**0.413967446**	**0.282431016**	**0.91619635**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	29	31	33	35	37	39	41
SCC	Chester	Clarion	Clearfield	Clinton	Columbia	Crawford	Cumberland
2282020010	1.88354E-05	3.20202E-05	3.20202E-05	3.57873E-05	2.0719E-05	0.00012243	5.65061E-06
2285002015	0.000877662	0	0	0.000169429	3.92023E-05	3.46919E-05	0.00083095
2285004015	6.61676E-05	0	0	1.27734E-05	2.95549E-06	2.61545E-06	6.2646E-05
2285006015	0	0	0	0	0	0	0
Total	**3.073577645**	**0.353608828**	**0.350569493**	**0.392321042**	**0.355578652**	**0.808481856**	**1.031397282**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	43	45	47	49	51	53	55
SCC	Dauphin	Delaware	Elk	Erie	Fayette	Forest	Franklin
2282020010	0.000158217	3.20202E-05	1.69519E-05	0.000107362	3.76708E-05	1.50683E-05	3.76708E-06
2285002015	0.003259908	0.000351814	0	0.00229902	0.001535292	0	0.000167437
2285004015	0.000245767	2.65235E-05	0	0.000173326	0.000115747	0	1.26233E-05
2285006015	0	0	0	0	0	0	0
Total	**1.527289566**	**1.694452751**	**0.259329323**	**1.681911548**	**0.623316444**	**0.554060951**	**0.670553155**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	57	59	61	63	65	67	69
SCC	Fulton	Greene	Huntingdon	Indiana	Jefferson	Juniata	Lackawanna
2282020010	1.88354E-06	9.41769E-06	7.34581E-05	2.26025E-05	7.53415E-06	9.41769E-06	2.82531E-05
2285002015	0	0.001590384	0.001532292	0.000917128	1.97452E-05	0.001430328	0.000170244
2285004015	0	0.0001199	0.000115521	6.9143E-05	1.4886E-06	0.000107834	1.28348E-05
2285006015	0	0	0	0	0	0	0
Total	**0.139513956**	**0.444275213**	**0.502456067**	**0.43262178**	**0.28639256**	**0.15706489**	**0.596365037**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	71	73	75	77	79	81	83
SCC	Lancaster	Lawrence	Lebanon	Lehigh	Luzerne	Lycoming	McKean
2282020010	0.000169519	1.13012E-05	3.76708E-06	7.53415E-06	7.91087E-05	4.33214E-05	1.31848E-05
2285002015	0.001575408	0.000970222	0.001351308	0.000464406	9.52468E-05	0.000103356	0.000122669
2285004015	0.000118771	7.31458E-05	0.000101876	3.50119E-05	7.18073E-06	7.79209E-06	9.24814E-06
2285006015	0	0	0	0	0	0	0
Total	**2.994233706**	**0.379150383**	**0.721155068**	**1.582402285**	**1.241498685**	**0.559964657**	**0.258102024**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	85	87	89	91	93	95	97
SCC	Mercer	Mifflin	Monroe	Montgomery	Montour	Northampton	Northumberland
2282020010	5.27392E-05	1.31848E-05	4.33214E-05	2.0719E-05	7.53415E-06	1.69519E-05	8.47593E-05
2285002015	4.3041E-05	0.002083476	4.8703E-06	0.000694294	2.68466E-05	0.000209831	0.000147836
2285004015	3.2449E-06	0.000157075	3.67176E-07	5.23434E-05	2.02399E-06	1.58194E-05	1.11455E-05
2285006015	0	0	0	0	0	0	0
Total	**0.70623743**	**0.252769155**	**0.977388956**	**4.407223818**	**0.107300678**	**1.147602908**	**0.618518519**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	99	101	103	105	107	109	111
SCC	Perry	Philadelphia	Pike	Potter	Schuylkill	Snyder	Somerset
2282020010	1.13012E-05	3.76708E-05	9.60606E-05	1.88354E-06	1.88354E-05	3.76708E-06	3.20202E-05
2285002015	0.002073696	0.000536477	9.30635E-05	5.4341E-05	0	1.24277E-05	0.000990326
2285004015	0.000156337	4.04454E-05	7.01614E-06	4.09681E-06	0	9.36931E-07	7.46616E-05
2285006015	0	0	0	0	0	0	0
Total	**0.253581334**	**3.358846309**	**0.623856895**	**0.279518542**	**0.48493426**	**0.289687744**	**0.548240439**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	113	115	117	119	121	123	125
SCC	Sullivan	Susquehanna	Tioga	Union	Venango	Warren	Washington
2282020010	1.13012E-05	4.52049E-05	1.69519E-05	1.88354E-06	3.95544E-05	6.96909E-05	1.88354E-05
2285002015	0	0.000195604	0	2.06328E-06	2.36077E-05	1.32194E-05	0.001956564
2285004015	0	1.47467E-05	0	1.55552E-07	1.7798E-06	9.9662E-07	0.000147508
2285006015	0	0	0	0	0	0	0
Total	**0.453924537**	**0.380361593**	**0.40552293**	**0.340768573**	**0.295293139**	**0.401405362**	**0.990349132**

2009 PA Statewide NH3 Emissions by SCC Using NMIM Model with PA Local Inputs (Tons/Year)

FIPSCountyId	127	129	131	133
SCC	Wayne	Westmoreland	Wyoming	York
2282020010	0.000103595	6.78074E-05	3.76708E-05	2.82531E-05
2285002015	0	0.003352308	0.000178018	0.000553511
2285004015	0	0.000252733	1.34209E-05	4.17296E-05
2285006015	0	0	0	0
Total	**0.852813873**	**1.59697085**	**0.332959227**	**2.151164582**

APPENDIX F-3

PHILADELPHIA INTERNATIONAL AIRPORT INVENTORY AND METHODOLOGY

Bureau of Air Quality
Department of Environmental Protection

I. Including Airport Emissions into the SIP – A Background

A. A Brief Overview of the Philadelphia International Airport

The Philadelphia International Airport (PHL) is an integral part of the economic engine that both drives growth and responds to growth in the 5-county Philadelphia region and beyond. The Federal Aviation Administration (FAA) has designated PHL as a large hub airport. Large hub airports are defined as commercial service airports that account for greater than one percent of total U.S. passenger enplanements.
PHL serves 26 scheduled passenger airlines, six cargo airlines, and general aviation. PHL serves as a domestic connecting hub and international gateway for US Airways and is a cargo hub for United Parcel Service. In 2002, PHL was ranked the 12th busiest airport in the United States in terms of aircraft operations.

The airport has been incrementally expanded and improved since it opened in 1940. The most recent improvements include the construction of Runway 8-26 in 1999 and the new International Terminal A-West in 2003. FAA recently approved an extension of Runway 17-35 which is a project designed to immediately reduce current delays. Despite completing most of these projects designed to lessen delays, PHL was rated the fifth most delayed airport in the U.S. The FAA identified PHL as one of the airports that contributes significantly to delays throughout the national airport system. In 2000, the City of Philadelphia initiated a Master Plan Update to study the facility needs of the airport to meet future demand. The Master Plan Update projected that the duration of the average annual delay per operation at PHL would increase from its current level of nearly 10 minutes to nearly 19 minutes with the current airport configuration. The total number of delayed operations would also increase.

The City's master plan consultants studied the delay times and developed possible remedies or alternatives. The Master Plan Update concluded that the current and projected delays needed to be reduced as soon as possible. The major long-term project proposed for reducing delay is known as the Capacity Enhancement Program (CEP). The CEP is proposed to be a significant redesign of the airport's runway system, taxiways, and renewal of the terminals. The CEP alternatives under consideration strive to lower delay times, particularly during bad weather conditions. The primary way this will be accomplished would be to create more separation between runway configurations than exist now. This will enable multiple aircraft operations to occur simultaneously on at least two parallel runways during bad weather. The revised runway configuration would also be accompanied by a more efficient taxiway system. To construct the new airport layout would require a massive excavation and earth moving effort. The construction emissions as well as project related aircraft emissions may generate significant emissions of NOx and VOC. Other pollutants will probably not be significant enough to create a general conformity determination.

The air quality effects of certain federally funded projects, that generate large amounts of direct or indirect emissions in non-attainment and maintenance areas, such as the CEP,

are required to be analyzed extensively. State and federal general conformity regulations require it. The primary concern being that these large projects may add enough emissions to cause or contribute to a violation of National Ambient Air Quality Standards. An environmental impact statement (EIS) always accompanies a major FAA action such as the PHL CEP. Results from the EIS often serve as a basis for developing a general conformity determination. Specifically, general conformity is designed to ensure that a federal action will not produce emissions of a criteria pollutant that will:

- Cause or contribute to new violations of the National Ambient Air Quality Standards (NAAQS)
- Increase the frequency or severity of existing violations of the NAAQS, or
- Delay the timely attainment of any NAAQS or any required interim emissions reductions or milestones.

B. General Conformity

The Department of Environmental Protection adopted by reference in *Pa Code*, Title 25, Subchapter J the federal requirements contained in Determining Conformity of General Federal Actions to State or Federal Implementation Plans (40 CFR, Part 93, Subpart B). General conformity guides the Department in how to address emissions from all other federal actions not covered by 40 CFR, Part 93, Subpart B – Determining Conformity of General Federal Actions to State or Federal Implementation Plans. General conformity requires the federal agency taking an action, such as FAA approval of the CEP, to develop a general conformity determination for each applicable pollutant to determine that the total direct and indirect emissions in a non-attainment or maintenance area would not exceed specified rates outlined in the general conformity regulation. Since PHL is in the Philadelphia-Wilmington-Atlantic City Non-Attainment Area for ozone, general conformity requires that no federally funded project can emit a specific amount of ozone precursors, which includes oxides of nitrogen (NOx) and volatile organic compounds (VOC), during the calendar year that the project takes place. Currently, the total of direct and indirect emissions from federal actions may not exceed 100 tons per year of either NOx or VOC in the Philadelphia-Wilmington-Atlantic City Non-Attainment Area unless it is determined that the emissions are included in the area's applicable SIP.

PHL is also in Philadelphia-Wilmington, PA-NJ-DE $PM_{2.5}$ nonattainment area which includes Bucks, Chester, Delaware, Montgomery and Philadelphia counties in Pennsylvania, Burlington, Camden and Gloucester counties in New Jersey and New Castle County in Delaware. Precursors to the formation of fine particulate matter ($PM_{2.5}$) are $PM_{2.5}$, NOx, and SOx. Aircraft do not emit large amounts of SOx and they do not emit enough PM to trigger the need for a conformity determination. Although emissions of VOC do not contribute to the formation of $PM_{2.5}$, VOC emissions are referenced because they are relevant to the airport's general conformity determination.

In formulating its plans for attaining and maintaining the ambient standards, the Department needs to have a clear reference point in knowing how much potential

additional emissions would be generated from a large project like the CEP. When a project subject to general conformity exceeds the applicable emission, the indirect and direct emissions that are produced as a result of the project need to be entirely offset either through reducing the indirect or direct emissions, the development of additional mitigation measures in the non-attainment area, purchase of emission reduction credits, or a determination needs to be made that the emissions are included in the air quality State Implementation Plan (SIP). A combination of the aforementioned emission reduction methods could also be fashioned.

C. Air Emissions from the CEP

An air quality analysis will be included in the EIS for the CEP. The air quality analysis is prepared in accordance with National Environmental Policy Act (NEPA) requirements. Part of the air quality analysis will include an emission inventory analysis of the relevant criteria pollutants.

For the general conformity regulation, emissions generated at PHL are estimated using two different scenarios. One scenario is the build scenario, which estimates the amount of emissions produced if the project is developed. The other scenario is the no-build scenario, which estimates the amount of emissions that would be produced if the airport continues on a business-as-usual course without building the CEP. As stated, the CEP will reduce delay. Reduced delay will greatly reduce emissions since aircraft taxi and queue times will diminish. Even though the new airport will accommodate more operations, the emissions generated after the airport is redesigned could be projected to be less than if the airport is operated without the improvements from the CEP in the future. In other words, the average delay times will be reduced such that they offset most, if not all, emissions from the extra operations accommodated by the proposed project.

However, the CEP could generate a significant amount of emissions during construction. Increased emissions from less efficient aircraft operations efficiencies and the resulting increased delays probably would combine with construction emissions during years of construction. Aircraft operations during construction are anticipated to be less efficient primarily because fewer runways will be available at various points in time during the construction.

D. Cooperative Effort Launched to Include PHL Emissions in the SIP

Detailed inventories of the operations and emissions at PHL were developed. The Department worked closely with the City of Philadelphia, Division of Aviation, and their consultants (DMJM Aviation and Jacobs Consultancy, formerly known as Leigh-Fisher Associates) in a workgroup for several years in order to comprehensively describe and document the emissions from PHL in the SIP for the years 2002 and 2009. The airport workgroup strove to bring together all of the emissions from sources at PHL into a

detailed inventory of emissions. A detailed inventory will meet two goals: 1) an inventory will allow the Department to determine what emissions are included in the SIP in order for the airport to best develop a mitigation strategy for a project and 2) this will allow the airport to be eligible for Voluntary Airport Low Emissions (VALE) Funding.

In addition, the FAA has undertaken an Environmental Impact Statement for the CEP, where the Department and the U.S. EPA have been actively engaged.

II. Emissions Inventory Development Methodology

A. Inventory Modeling

1. Modeling Project

Emissions at PHL for 2002 and 2009 calendar year and ozone summer weekday were modeled using historic data and the most current forecast current data available. As stated, the department worked closely with the City of Philadelphia, the city's Division of Aviation, and consultants to PHL to incorporate representative activity levels at PHL in all of the required emissions inventory modeling.

2. Emission Dispersion Modeling System (EDMS)

EDMS is the EPA-approved model that the Department used for developing emissions inventories for aircraft, ground support equipment, and auxiliary power units. The FAA and the U.S. Air Force developed EDMS. The most current version of EDMS available when the inventory was developed, EDMS 4.5, was used when the emissions inventory was developed.

3. Mixing Height Used for Modeling PHL

Mixing height is the altitude under which $PM_{2.5}$ precursors mix to form $PM_{2.5}$ in the lower atmosphere. A more accurate mixing height than the presumed default value in EDMS was used developing an inventory for PHL. Upper air meteorological data available from Sterling, Virginia in combination with surface data measurements taken at the PHL generated 1-hr mixing heights in the meteorological preprocessor model PCRAMMET, EPA, *PCRAMMET* (software), Research Triangle Park, NC, June 1999. All mixing heights between 10 p.m. and 6 a.m. were not considered when generating these averages because a small percentage of flight operations occur between those hours. The average summer weekday mixing height was estimated to be 4,428 feet for PHL. The average annual daily mixing height was estimated to be 3,600 feet.

4. Estimating Emissions Not Related to Aircraft

Other types of emissions sources exist at PHL such as highway motor vehicles, point, area, and nonroad sources. The Department developed an emissions inventory of these sources. In some cases, when emissions from an area were included in the regional SIP inventory, the Department separated the emissions and included them in the emissions estimates of the airport section. In other cases, for instance, motor vehicles, emissions on PHL property were not originally included in the regional SIP inventory and were added to the regional inventory as well as the airport inventory.

B. Aircraft

Commercial aircraft operations were significant and were modeled by the EDMS 4.5 model directly. Emissions from aircraft operations were the most significant source of emissions at the airport. Annual and ozone summer weekday emissions were modeled for both calendar years 2002 and 2009. Only annual emissions are considered for meeting general conformity requirements. At PHL, summer weekday emissions are typically greater than what would be experienced on a typical average annual day (annual emissions divided by 365 days).

1. PHL Operations Data

The Department obtained operational data for PHL that was more exact than any other airport that was modeled in Pennsylvania. Four sets of data were requested from the airport for this study, an average ozone season weekday and annual operations by aircraft type, or airframe for 2002 and 2009.

The airport's Noise and Operations Monitoring System (NOMS) provided the percent of total operations per aircraft type for both data sets. These percentages were applied to PHL aircraft activity data supplied by the FAA Air Traffic Control (FAA ATCT) tower at PHL. The aircraft activity data saved within the NOMS database consists of actual FAA radar supplied by the FAA ATCT to the airport as part of a Memorandum of Agreement (MOA). The MOA specifies that the airport collect aircraft radar data within 28 nautical miles radius of PHL up to 15,000 feet in altitude. All sensitive operations such as certain military operations are filtered and are not included in the inventory.

2. Average Ozone Season Week Day

The data consists of the daily average of all weekday (Monday through Friday) aircraft arrivals and departures on each runway at PHL for the months of July, August, and September 2002. A query of the NOMS database retrieved the aircraft operations that occurred for each of the three months for each aircraft type. The data was sorted by flight number in order to assign an aircraft type typical for that carrier and flight number. All operational unknowns were reconciled by comparing aircraft types common to a particular airline operator and flight number. Total number of operations per aircraft type for each month was totaled. The total number of operations for each aircraft type was then computed as a percent of total operations for each aircraft type for the three-month time period. The percentages were multiplied by the number of aircraft operations

provide by the FAA ATCT to calculate the number of operations per aircraft type for an average ozone summer weekday. This number was divided by the number of weekdays in the ozone season to derive a summer ozone weekday average of operations per aircraft type. An ozone weekday average was not estimated for this plan since the state implementation plan for particulate matter examines annual emissions not daily emissions.

3. Annual Operations

This data consists of all aircraft arrivals and departures to and from each runway at PHL for calendar year 2002. A query of the NOMS database retrieved the aircraft operations described above. The data was sorted to address all unknown aircraft types and flight numbers in order to assign an aircraft type common for that airline and flight number. Types of aircraft were assigned to unknowns when possible. Total number of aircraft operations per aircraft type for each month was then totaled for all 12 months. The total number of operations per aircraft type was estimated as a percent of total operations for each aircraft type for the 12-month time period. These percentages were multiplied by total annual aircraft operations provided by the FAA ATCT to calculate the number of annual operations per aircraft type.

4. Growing Operations To 2009

In connection with the PHL Master Plan, forecasts of aviation activity and passenger enplanements through 2020 have been prepared and documented in the *Philadelphia Master Plan Forecast Report.* The forecasts were prepared by Leigh Fisher Associates, which is now known as Jacobs Consultancy, for the City of Philadelphia. The forecasts were prepared based on FAA Advisory Circular 150/5070-6B Airport Master Plans and are also consistent with the FAA Terminal Area Forecast. The forecasts were prepared using a standard methodology, summarized as follows:

- Analysis of historical growth trends, and in particular historical growth in relation to key factors such as economic activity and airline service developments. Statistical analysis was conducted to examine the historical growth trends and provide input to assumptions regarding future growth trends.

- Assumptions regarding future annual growth rates using professional judgment based on analyses of historical trends and reference to independent forecasts such as the Federal Aviation Administration (FAA) forecasts for the nation as a whole.

- Assumptions regarding the likely future trend in key ratios such as average aircraft size and boarding load factors, based on analyses of recent actual activity, information on airline fleet developments, and reference to independent forecasts such as the FAA forecast for the nation as a whole.

The forecasts are unconstrained demand forecasts; that is, not dependent on the assumed availability of airport capacity. These forecasts were submitted to FAA by the City of

Philadelphia for review and concurrence. These forecasts were considered reasonable by FAA and approved for use in the Master Plan as well as for the CEP EIS.

The analysis yielded total number of operations expected in 2009 along with the percentage breakdown of operations per aircraft type. The total operations per aircraft type were allocated to the various engine configurations and specific aircraft types in the same proportion that were used in developing the 2002 inventory.

5. Aircraft Operations in EDMS

An operation is considered either a takeoff or a landing. Operations for each aircraft type were divided by two to obtain landing-and-takeoff (LTO) cycles for each aircraft. EDMS requires that the number of LTO cycles per aircraft type are entered in order to calculate emissions.

6. Engine Assignment

EDMS assigns a default engine to each aircraft type. The default engine was used unless better data was known. In some cases, it was known that certain airlines operate aircraft with certain engine models that are not the default engines listed in EDMS. The actual engine was assigned to an aircraft type when available. Aircraft that used non-default engines and were similarly reflected in the EDMS modeling were the Airbus 319, Airbus 320-211, Boeing 737-300, and the Boeing 757-200. See table titled "Comparison of Actual and EDMS Fleet Mixes and Engine Types 2002 Baseline Analysis" at the end of the appendix for further information.

7. Suitable Aircraft Substitutions

A few models of smaller aircraft were not included in EDMS. For those aircraft, a suitable substitute aircraft was used. A suitable substitute was usually an aircraft that used the exact or similar engine and the substitute aircraft had a similar weight to the actual aircraft. Aircraft that were not included in EDMS that had significant operations at PHL were the Lear 45, Lear 55, Lear 60, Mu-2 Marquise, and the B58 Baron. They were replaced by suitable substitutions Citation VII, IAI 1124 Westwind, Citation Sovereign, Jetstream 31, and Navajo. See table titled "EDMS Aircraft Recommended Substitutions PHL Master Plan SIP Assessment" at the end of this appendix for further information.

8. Ground Delay

The method for developing the delay times per LTO at PHL was described in detail by Jacobs Consultancy. In summary, the average taxi-out and average taxi-in times for each runway in the primary operating configurations, which are weather related, were taken from Appendix C of *Airport Master Plan Technical Report 2004.17, Runway 17-35 Extension, Capacity/Delay Simulation Analysis*, August 27, 2004. A weighted average based on meteorological conditions and specific aircraft types that use the airport's various runways during each operating configuration were developed. Two different

delay times were developed for 2002. One delay estimate represented larger aircraft that primarily use the larger runways and the other represented smaller aircraft, such as general aviation and air taxi aircraft, which primarily use the shorter runways. In 2009, it was forecasted that the extension to runway 17-35 would equalize the delay times of all aircraft at the airport.

The EDMS model places taxi time, idle time, and delay time in a single Time-in-Mode category, reflecting the operation of aircraft with engines at very low throttle settings. This Time-in-Mode is not intended to include delay where an aircraft is not running the main engines (e.g. waiting out a delay at the gate). Table 1 presents Taxi/Idle/Delay Time-in-Mode used in the EDMS modeling that supported the SIP.

Table 1: Average Taxi/Idle/Delay Time-in-Mode per Landing and Take-Off Cycle at PHL

Year	Smaller Aircraft Delay	Larger Aircraft Delay
2002	15.32 minutes	26.23 minutes
2009	34.00 minutes	34.00 minutes

C. Airport Ground Support Equipment

Airport ground support equipment (GSE) comprises pieces of equipment that service planes between operations. Some examples of GSE are: fuel trucks, baggage tractors, lavatory trucks, and cargo loaders. Aircraft GSE was assigned to the aircraft based on the size and functionality of the aircraft type, which can be thought of as a classification. The five different classifications of aircraft for describing the types of GSE associated with that classification are: narrow-body passenger, wide-body passenger, narrow-body cargo, wide-body cargo and commuter aircraft. General aviation aircraft were assigned no GSE unless a default GSE assignment for a general aviation aircraft existed in EDMS.

GSE assignment and the time of operation for individual pieces of equipment per LTO were the same as used in the Runway 17-35 Extension Project Environmental Impact Statement, developed during a GSE survey conducted at PHL. Although some GSE is powered by gasoline, EDMS does not output emissions based on the type of fuel used. Therefore, all GSE emissions were combined in the source classification code in the SIP that pertains to diesel fuel, 2270008005, since most GSE emissions are produced by diesel-powered equipment.

D. Auxiliary Power Units

An auxiliary power unit (APU) is a gas turbine engine used by many commercial jet aircraft to start the main jet engines, to provide electrical power, and to power the

onboard air conditioning (heating and cooling) system. The pilot of an arriving aircraft can shut down the main engines and operate an onboard APU to generate power and to condition the air. When parked at a gate, an aircraft can instead use 400 Hz electrical power from a mobile ground power unit or receive electrical power and pre-conditioned air from connections at the gate. Using ground-based power instead of an APU greatly reduces air emissions and energy consumption.

An onsite Terminal Gate Survey was conducted on April 5 and April 6, 2004 at PHL to determine which passenger gates have 400 Hz electrical power. Every gate in Terminal A through F at PHL was visually inspected to determine whether the gates have 400 Hz power connection, a pre-conditioned air connection, or both. Approximately 83 percent of the gates at PHL had 400 Hz power in 2004. According to FAA guidance, aircraft that use gates that have 400 Hz power use their APU 7 minutes on average, which is required to be inputted into EDMS. The EDMS default time for an aircraft to use APU power at the gate is 26 minutes. The average time an APU was used at PHL in 2004 is described by the following calculation, (0.83 * 7 minutes) + (0.17 * 26 minutes) = 10.23 minutes. For all aircraft that have APU installed in the EDMS model, 10.23 minutes was assumed to be the average time that the APU was operated at PHL in 2004 and beyond. The APU usage was estimated to be 10.23 minutes per LTO in the 2009 inventory for all aircraft that use APUs.

The Terminal Gate Survey occurred after the 13 gates of Terminal A were brought into operation in 2003. All 13 gates at Terminal A have the capability of supplying 400 Hz power and pre-conditioned air. For the 2002 baseline emissions, the absence of Terminal A gates was taken into account. The average time an APU was used at PHL in 2002 is described by the following calculation, (0.79 * 7 minutes) + (0.21 * 26 minutes) = 10.99 minutes. The APU usage was estimated to be 10.99 minutes per LTO in the 2002 inventory for all aircraft that use APUs.

The fuel used in APU was assumed to be jet fuel. APU emissions were classified in the SIP under their own source classification code, 2275070000 and the type of fuel is described as “other.” The Department assumed that the number of gates offering electrical power would not change until 2009.

E. Highway Vehicles

Michael Baker Jr. Inc developed a motor vehicle emissions inventory at the airport. Highway vehicles emissions on the airport property are not included in the highway vehicle inventory in Appendix E. Baker produced 2002 average annual estimates for the pollutants of hydrocarbons, CO, NOx, SO_2, ammonia, and fine particulate for the emissions inventories for the airport section of the SIP.

1. Overview of Vehicular Traffic Included in Analysis

The on-road vehicle traffic associated with the airport was determined from the memos provided to Baker by DEP. Table 1 summarizes the two on-road categories and the associated vehicle types included in the emissions analysis.

Table 2: Summary of Vehicles Included in Analysis

Vehicles That Access Airport Terminals	Vehicles That Do Not Typically Leave the Airport
• Passenger Car (Drop-Off, Pick Up, Employee Parking, Passenger Parking) • Courtesy Vehicles (Hotel Van, Park & Ride, Rental Car Bus, Shared Ride, Employee Parking Bus, Economy Parking Bus) • Taxi • Limousine • Delivery / Service Vehicles • Rental Cars • Public Transportation (Bus, R-1)	• Rental Car Buses • Employee Buses • Long Term Parking Buses • Airport Service Vehicle Fleet

For each vehicle type, activity data was required to estimate emissions. The activity data was determined from provided memos, and where data was not available, assumptions were applied as documented in the emission calculation spreadsheets. Activity data included the following:

- Number of vehicles
- Distance of route through airport
- Travel distance within parking lots/garage
- Typical travel speeds
- Number of hot and cold starts
- Idling at entry & exit of parking facilities
- Curbside dwell times
- Signal light delays (Number of signals and typical delay times)

All provided activity data was for a 2002 average annual day. Average annual day emissions were multiplied by 365 days to obtain average annual emissions. For emission calculations, the activity data was adjusted for growth to reflect a typical summer weekday in 2002 and 2009. The memo also provided an estimated growth rate of 43.9% to estimate 2009 on-road vehicular traffic for transportation modes that are expected to increase proportionate to passenger activity levels. Together the growth rate and seasonal adjustments result in an adjustment percentage of 57.2% for 2009.

The provided growth rates were determined from historical and projected growth in annual enplaned passengers at the airport. The growth percentages were applied directly to passenger cars, taxis, limousines, rental cars, deliver vehicles, and airport service vehicle fleets. However, an alternative approach was applied to all airport-related buses. It was assumed that although passengers may grow by 43.9% between 2002 and 2009, buses grow at a slower pace since they may currently have some capacity to handle more passengers and associated business models do not increase activity proportionate to an increase in enplaned passengers. For the 2009 inventory, the average bus level was expected to be only 30% greater than the level in 2002.

2. Emission Calculation Methodology

The emissions were calculated using EPA's MOBILE6.2 emission model, which generates mobile source emission factors. The vehicle categories described above were mapped to the MOBILE6.2 vehicle classes. The 2002, 2008, and 2009 emission factors were calculated for each vehicle class for the following emission types:

- Exhaust running emissions
- Cold-start emissions
- Hot-start emissions
- Idling emissions

Exhaust running emission factors were calculated to account for emissions resulting from vehicle travel within the airport and within the parking lot/garage. The emission factors were calculated using assumed speeds of 20 mph for in-airport travel and 10 mph for travel within parking garages/lots. MOBILE6.2 produces exhaust emission factors in grams/mile. Total emissions were calculated for all the vehicle categories by multiplying the emission factors by vehicle miles of travel (number of vehicles * distance) based on the analysis assumptions.

Hot and cold-start emissions are calculated to account for emissions resulting from the total number of vehicle starts occurring within the airport vicinity. The factors were obtained through separate MOBILE6.2 runs. The output emission factors in grams/mile were converted to grams/start using MOBILE6.2 assumptions. The total start emissions were then calculated by multiplying the grams/start emissions by the total number of starts per day (number of vehicles * number of starts).

Idling emissions were calculated to account for emissions resulting from vehicles idling at the airport. The factors, expressed in grams/hour were obtained by multiplying the running emission rates (grams/mile) for 2.5 mph by 2.5 mph as documented in EPA's January 2002, *Policy Guidance on the Use of MOBILE6 for SIP Development and Transportation Conformity*. These factors were multiplied by the total number of vehicles per day and assumed idling times at garage or lot entry/exit points, curbside dwell, and traffic signals.

The total emissions resulting from each of these emission types were summed to get an estimate of typical summer weekday emissions. Average weekday emissions were also estimated and multiplied by 365 days to obtain an annual estimate in emissions.

F. Nonroad Equipment

Emissions from nonroad equipment emissions, such as construction equipment, during 2002 and 2009 from normal operations at PHL are included in the nonroad inventory for Philadelphia and Delaware Counties and were not included in this appendix. These on-going construction emissions have been associated with capital budgets that ranged from $258 million in 2002 to as little as $56 million in 2005.

The Airport's CEP project is expected to significantly ramp up the level of construction activities to greater than $5 billion of expenditures over a decade. This is also expected to generate substantial construction emissions and result in a temporary increase in emissions from airfield delay. The construction emissions that will occur between January 1, 2010 and June 15, 2010 are forecast to be 37.3 tons of NOx.

G. Point Sources

There are 21 stationary sources of emissions at PHL. Many of these sources have the potential of using many different types of fuels. Philadelphia Air Management Services (AMS) provided to the Department 2002 emissions of NOx, VOC, CO, PM_{10}, and SO_x produced by these sources while using specific fuels as shown by individual source classification codes (SCC). Most of these sources are boilers, generators and space heaters. The airport self reports emissions of these sources to Philadelphia Air Management Services. The Department applied growth factors to the 2002 emissions to obtain 2009 emission levels. Growth factors for point sources were obtained from the Environmental Protection Agency's Economic Growth Analysis System. Point source emissions are included in the regional point source inventory, and also identified in this appendix.

Table 3: Point Sources at PHL

Source Number	SCC	Source Name	Growth Factors (2002-2009)
001	10300501	YORK-SHIPLEY BOILER #1	1.07306
001	10300602	YORK-SHIPLEY BOILER #1	1.01055

Source Number	SCC	Source Name	Growth Factors (2002-2009)
002	10300501	YORK-SHIPLEY BOILER #2	1.07306
002	10300602	YORK-SHIPLEY BOILER #2	1.01055
003	10300501	YORK-SHIPLEY BOILER #3	1.07306
003	10300602	YORK-SHIPLEY BOILER #3	1.01055
004	10300501	KEWANEE BOILER #1	1.07306
004	10300602	KEWANEE BOILER #1	1.01055
005	10300501	KEWANEE BOILER #2	1.07306
005	10300602	KEWANEE BOILER #2	1.01055
006	10300501	WELL MCCLAIN BOILER #1	1.07306
006	10301002	WELL MCCLAIN BOILER #1	1.04706
006	10300601	WELL MCCLAIN BOILER #1	1.01055
007	10300501	WELL MCCLAIN BOILER #2	1.07306
007	10300601	WELL MCCLAIN BOILER #2	1.01055
008	10300501	WELL MCCLAIN BOILER #3	1.07306
008	10300601	WELL MCCLAIN BOILER #3	1.01055
009	10300501	MAINT. BLDG. BOILER #1	1.07306
009	10300601	MAINT. BLDG. BOILER #1	1.01055
010	10300501	MAINT. BLDG. BOILER #2	1.07306
010	10300601	MAINT. BLDG. BOILER #2	1.01055
011	10301002	AMERICAN STAND. BOILER #1	1.04706
011	10300602	AMERICAN STAND. BOILER #1	1.01055
012	20300102	EMERGENCY GENERATOR 1-GB	1.07306
013	20300102	EMERGENCY GENERATOR 2-GB	1.07306
014	20300102	CATERPILLAR GENERATOR 3	1.07306
015	20300102	OBRIEN EMERGENCY GEN. 1	1.07306
016	20300102	CATERPILLAR GEN. #4	1.07306
017	20300102	DETROIT DIESEL GEN. 1	1.07306
018	10500106	GENERAC GENERATOR 1	1.05459
019	10500106	MISCELLANEOUS HEATERS	1.05459
020	10500106	MISCELL. RESIDENTIAL HEAT	1.05459
021	10300501	CLEAVER BROOKS BOILER STP	1.07306
021	10300601	CLEAVER BROOKS BOILER STP	1.01055

H. Area Sources

Many different types of area sources exist at PHL, nevertheless, the total emissions from these sources are not very significant. Primary area sources include: fuel storage and transport, solvent use, waste management, painting operations, light industrial and commercial sources, and agriculture and miscellaneous area sources. Types of pollutants produced by area sources at the airport are primarily either VOC or particulate matter. Fuel storage and transport may seem to be a source that would lend itself to high emissions but, aviation fuel, like diesel fuel, is not very volatile and the amount of evaporative emissions produced is negligible. Most area source pollution is produced by

solvent use or painting operations and is not estimated. These emissions are captured in our regional area source inventory. Area source emissions are included in the regional area source inventory and not included in this appendix.

I. Capacity Enhancement Program Emissions

The Department included emissions from the CEP. Appendix F-4, *PHL Capacity Enhancement Program Construction Period Air Emissions Inventory*, examines the CEP project pertaining to the air emissions that will be generated by the project. Appendix F-4 explains the two design alternatives considered for the CEP, the construction process, air inventory methodology, emissions inventory results, and a summary of the emissions for various pollutants. The CEP's emissions of NOx and VOC may exceed the *de mimimis* threshold as defined by General Conformity in 40 CFR §93.153 for a moderate nonattainment area inside an ozone transport region, like the Philadelphia area.

As stated in Section III of the Attainment Demonstration and Base Year Inventory, Pennsylvania proposes to establish budgets for VOC emissions that are forecasted to be created by the CEP in order to ensure that the VOC emissions of the CEP do not impede clean air goals established in the SIP. The highest amount of VOC emissions associated with each build alternative for any year of construction, 254 tons, is used as the budget. Total VOC emissions of 254 tons appear in Table III-2 in the *State Implementation Plan Revision: Attainment Demonstration and Base Year Plan*. The emissions are comprised of 248 tons of VOC produced from increased aircraft delay and 5.5 tons produced by construction equipment used on the project. The Department concluded that since the VOC emissions used in the modeling of attainment for the fine particulate matter standard are 10,000 tons greater than the actual VOC emissions included in the SIP the Department can include the VOC emissions from the CEP and still satisfy the requirements of general conformity that are outlined in Section A of this appendix. Once EPA approves this state implementation plan revision, a general conformity budget will be established for the CEP project in the Attainment Demonstration and Base Year Inventory.

III. Emissions Summary

Table 4: 2002 Annual PHL Emissions of $PM_{2.5}$ Precursors (tons)

Sources of Emissions	NOx	VOC	CO	PM_{10}	$PM_{2.5}$	SOx
Aircraft	1880.68	310.70	2123.61	10.60	10.60	165.28
Ground Support Equipment	242.72	148.21	3823.76	9.25	8.29	24.18
Auxiliary Power Units	28.87	3.05	44.29	0.00	0.00	4.18
Construction Equipment	---	---	---	---	---	---
Airport Motor Vehicles	251.56	43.70	592.38	9.50	9.50	7.45
Area Sources	---	---	---	---	---	---
Point Sources	13.15	0.35	4.08	0.43	---	7.48

Table 5: 2009 Annual PHL Emissions of $PM_{2.5}$ Precursors (tons)

Sources of Emissions	NOx	VOC	CO	PM_{10}	$PM_{2.5}$	SOx
Aircraft	2662.28	534.90	3785.90	16.22	16.22	250.72
Ground Support Equipment	245.82	189.97	4976.11	16.23	15.69	33.76
Auxiliary Power Units	36.78	3.28	45.30	0.00	0.00	4.99
Construction Equipment	---	---	---	---	---	---
Airport Motor Vehicles	169.41	21.74	396.76	4.03	4.03	1.68
Area Sources	---	---	---	---	---	---
Point Sources	13.76	0.36	4.22	0.45	---	8.02
Capacity Enhancement Program	---	254.00	---	---	---	---

IV. Northeast Philadelphia Airport

Methodology and Emissions Summary

The City of Philadelphia also manages the Northeast Philadelphia Airport (PNE). PNE emissions are also included in the SIP. PNE is the city's general aviation reliever and is located approximately 15 miles north of PHL.

Total annual aircraft operations were based on the operations contained in the FAAs Terminal Area Forecast (TAF). The TAF is the official forecast of aviation activity at FAA facilities. The TAF includes historic and projected aircraft operations at PNE. The forecast is an unconstrained demand forecast. It is not dependent on the assumed availability of airport capacity. Types of aircraft using PNE in 2004 were predicted using the City of Philadelphia NOMS. The percentage that certain aircraft type used the airport in 2004 was carried directly forward to 2009. Total operations by aircraft type were apportioned to the total operations in 2002 and 2009 as predicted by the TAF. Operations data was inputted into EDMS similarly as described above for PHL.

Table 6: 2002 Annual PNE Emissions of $PM_{2.5}$ Precursors (tons)

Sources of Emissions	NOx	VOC	CO	PM_{10}	$PM_{2.5}$	SOx
Aircraft	41.76	68.05	1637.95	9.25	8.92	24.18
Ground Support Equipment	24.60	20.04	518.80	0.65	0.63	1.86
Auxiliary Power Units	1.30	0.02	0.26	0.00	0.00	0.13

Table 7: 2009 Annual PNE Emissions of $PM_{2.5}$ Precursors (tons)

Sources of Emissions	NOx	VOC	CO	PM_{10}	$PM_{2.5}$	SO_x
Aircraft	32.96	55.98	1337.37	16.23	15.68	33.77
Ground Support Equipment	15.62	14.75	381.59	0.63	0.61	1.45
Auxiliary Power Units	0.98	0.02	0.20	0.00	0.00	0.10

COMPARISON OF ACTUAL AND EDMS FLEET MIXES AND ENGINE TYPES
2002 BASELINE ANALYSIS
Philadelphia International Airport

Aircraft	Engine	Total	% of Total Operations	EDMS Engine Type	NOx	Comments
A319	CFM56-5A5	501	2.5%	V2522-A5	0.535	A majority of the A319 engine types operating at PHL in 2002 are not reflected in the EDMS fleet mix.
	CFM56-5B6/P	15,810	78.2%			
	V2522-A5	2,767	13.7%			
	V2524-A5	1,139	5.6%			
A320-211	CFM56-5A1 (A320-211)	445	4.6%	CFM56-5A1	0.240	A majority of the A320 aircraft types (-212, -214, -231, -232) and engine types operating at PHL in 2002 are not reflected in the EDMS fleet mix.
	CFM56-5A3 (A320-212)	661	6.8%			
	CFM56-5B4/P (A320-214)	6,170	63.8%			
	V2500-A1 (A320-231)	839	8.7%			
	V2527-A5 (A320-232)	1,554	16.1%			
B-737-300	CFM56-3B1	16,201	57.6%	CFM56-3B-2	0.515	CFM56-3B1's represent the majority of B-737-300 operations in 2002, but are not reflected in the EDMS fleet mix.
	CFM56-3B2	10,142	36.1%			
	CFM56-3C1	1,773	6.3%			
B-737-400	CFM56-3B2	11,571	100.0%	CFM56-3B-2	0.260	**GOOD**
B-757-200	JT8D-15	62	0.4%	RB211-535E4	0.596	PW2037's are also included in the EDMS fleet mix. Confirm that LTO's assigned to each engine type reflect the actual distribution of operations.
	PW2037	1,965	13.7%			
	PW2040	951	6.6%			
	RB211-535E4	10,445	72.7%			
	RB211-535E4-B	940	6.5%			
Total:		83,935				

Note: Grand Total does not match the grand total in the "AircraftDist.pivot" tab because some airlines' aircraft did not appear in *jpfleets*

EDMS AIRCRAFT RECOMMENDED SUBSTITUTIONS
PHL MASTER PLAN SIP ASSESSMENT

Actual Fleet Mix			EDMS Substitution		
Aircraft	**Actual Engine Type**	**EDMS Engine Type (1)**	**Aircraft**	**Actual Engine Type**	**EDMS Engine Type**
Lear 45	Honeywell TFE731-20-AR	TFE731-3	**Citation VII**	Honeywell TFE731-4R-2S	TFE731-3
Lear 55	Honeywell TFE731-3A-2B	TFE731-3	**IAI 1124 Westwind**	Honeywell TFE731-1100G	TFE731-3
Lear 60	Pratt & Whitney PW305A (4)	?	**Citation Sovereign** Falcon 20	**Pratt & Whitney PW306C** Honeywell TFE731-5BR-2AC	**PW308C** TFE731-3
MU-2 Marquise	Honeywell TPE331-10-501M	TPE331-10	**Cessna 441 Conquest2** **Jetstream 31**	**Honeywell TPE331-8-410S/402S** **Honeywell TPE331-10**	**TPE331-8** **TPE331-10**
B58 Baron	Teledyne Continental IO-550C	?	**Navajo** Cessna T337	**Lycoming TIO-540-A** Continental IO-360-C	**TIO-540-J2B2** IO-360-B

Notes:
(1) EDMS engine type for actual fleet mix not present in EDMS model are derived from "Appendix F: Engine Mappings" of the SAGE Version 1.5 Technical Manual
(2) EDMS engine types for aircraft in the EDMS model are taken directly from EDMS model.

Sources:
airliners.net / The International Directory of Civil Aircraft
SAGE Version 1.5 Technical Manual: Appendix F
Bombardier Learjet 45 General Specifications
Bombardier Learjet 60XR General Specifications
Cessna Citation Sovereign General Specifications
Dassault Falcon 2000EX Specifications

APPENDIX F-4

PHILADELPHIA INTERNATIONAL AIRPORT
Capacity Enhancement Program
Construction Period Air Emissions Inventory

Bureau of Air Quality
Department of Environmental Protection

Philadelphia International Airport
Capacity Enhancement Program
Construction Period
Air Emissions Inventory[1]

I. Introduction and Purpose

This document, designated Appendix F-4, describes the Capacity Enhancement Program (CEP) construction process and the methodology used in creating a project level air emissions inventory. Specifically, this inventory addresses emissions associated with the construction of the CEP and is inclusive of construction vehicles and equipment, construction activities, and aircraft-related emissions during the construction period. The emissions from the project will be included in the 2009 projected inventory in the State Implementation Plan as one line item.

II. Approach and Methodology

A. Pollutants and Alternatives

The inventoried pollutants include U.S. Environmental Protection Agency (EPA) criteria pollutants and their precursors and comprise: volatile organic compounds (VOCs), oxides of nitrogen (NO_x), carbon monoxide (CO), oxides of sulfur (SO_x), particulate matter with an aerodynamic diameter of 10 micrometers or less (PM_{10}), and particulate matter with an aerodynamic diameter of 2.5 micrometers or less ($PM_{2.5}$).

For the purposes of this assessment, two Build Alternatives have been evaluated:

- Alternative A – Parallel Runway 8-26 East Alternative; and
- Alternative B – Parallel Runway 8-26 West Alternative.

For simplicity and to be conservative, the highest estimated amounts of emissions associated with each Build Alternative and year of construction is reported for inclusion into the Attainment SIP.

B. Construction Plans and Phasing Schedules

The emissions inventory include emissions from on-site construction equipment, construction haul trucks, construction worker commuting vehicles, asphalt paving, fugitive dust, and emissions associated with aircraft delay during the construction period. The aircraft emissions include emissions from the aircraft auxiliary power units (APU) while at the gates waiting for departure and emissions from aircraft engines on the airfield while waiting for take-off clearance.

The construction activities are assumed to follow standard construction methods and equipment and follow routine operating schedules. In general, work would generally begin with demolition, consisting of pavement removal, pipe/structure removal, topsoil

[1] Submitted on October 12, 2009 on behalf of the Federal Aviation Administration (FAA) by VHB and KBE and produced in support of the PHL CEP Environmental Impact Statement (EIS).

stripping, and fence/light pole removal. Clearing would be minimal, as most of the site is paved or grass-covered. Utility work would include utility relocations, electrical duct bank installation, and construction of drainage systems. Earthwork would follow, including infield grading and pavement box cutting. Deep cuts, fills, and steep slopes would be needed because of the installation of the Automated People Mover (APM) and for the grading required for Runway 8-26 in Alternative A. Stone placement would follow the earthwork. Electrical work would be concurrent and would include the installation of conduit runs, manholes and hand holes, lights, signage, and power and communication feeds to the navigational aids. Paving would follow the stone work.

Earthwork would be performed by bulldozers and graders, with hauling performed by tri-axle dump trucks and tractor-trailer haul trucks. Trenchers, backhoes, and excavators would perform utility work. Pavement removal would be done by saw cutting, milling, and by using bulldozers. Paving would be performed using asphalt pavers and rollers. The service roads and parking lot add-ons would be constructed concurrently with the taxiway and runway work. After paving, the pavement would be marked and the new runways would be grooved. The infields would be seeded following asphalt placement. The parking lot modifications would include installation of bus shelters, site lighting, and new fencing.

Alternative A

For the purposes of this assessment, it is assumed that Alternative A would be constructed in three phases over a 13-year timeframe, beginning in (or about) 2011.

- Phase I, over three years, includes:
  - Closing Runway 17-35 in order to construct the underground portion of the Automated People Mover (APM).
  - Extending Runway 9R-27L and constructing its associated taxiways.
  - Reconstructing and reconfiguring the on-Airport roadway system so that the Airport can construct the consolidated rental car facility.
  - Constructing and relocating the proposed consolidated rental car facility, expanded auto parking and associated parking garages, and baggage claim buildings.
- Phase II, over six years, includes:
  - Re-opening Runway 17-35.
  - Demolishing and reconstructing sections of the terminal complex including the parking garages and baggage claim buildings.
  - Reconstructing and lengthening Runway 8-26.
  - Completing the APM.
  - Relocating the existing airfield facilities on the southern side of the airfield along the Delaware River in order to construct the proposed new runway, Runway 9R-27L, in Phase III. The relocated facilities include the corporate

general aviation hangars, fuel farm, ARFF facilities, and the FAA complex including the control tower.

- Relocating various non-Airport controlled facilities in order for future runway construction to occur. Relocations include Tinicum Island Road and Island Avenue, the UPS facility, consolidating the Sunoco Logistics facilities to the Fort Mifflin site and subsequent demolition of Hog Island Pier, constructing the replacement freight rail spur off Conrail's existing rail line, and constructing a partial replacement facility for the USACE.

- Phase III, over four years, includes:
  - Constructing the proposed new southern runway, Runway 9R-27L, and associated taxiways.
  - Reconstructing the remaining terminal and airfield facilities.

Alternative B

Alternative B would also be constructed in three phases over a 13-year timeframe, again, beginning in (or about) 2011.

- Phase I, over four years, includes:
  - Permanently closing Runway 17-35 in order to construct the relocated terminal complex.
  - Constructing the relocated terminal complex including the headhouse, auto parking garages, and the reconfigured airport circulation roads and interstate access.
  - Constructing the APM.
  - Extending Runway 9R-27L and taxiways, along with constructing and relocating various facilities.
  - Relocating various airport facilities including the corporate general aviation hangars, fuel farm, ARFF facilities, and the FAA complex and control tower.
  - Relocating various non-Airport controlled facilities in order for the future runway construction to occur. These facilities include Tinicum Island Road and Island Avenue, the UPS facility, the Sunoco Logistics facilities, the replacement Freight Rail spur off Conrail's existing rail line, and the replacement facility for the USACE.
- Phase II, occurring over five years, includes:
  - Constructing the new southern runway, Runway 9R-27L, and associated taxiways.
  - Continuing construction of the relocated terminal complex, reconfiguring taxiways, and various airfield facilities.
- Phase III, occurring over four years, includes:
  - Completing the remaining terminal and airfield facility construction.

- Reconstructing and extending Runway 8-26.

C. Emission Factors

Construction Vehicles and Equipment

For this assessment, the construction schedules and requirements (i.e., work crews, equipment types, etc.) for each Build Alternative were estimated. These data and information were then combined with appropriate emission factors obtained from the EPA NONROAD[2] and MOBILE6.2 emission models to obtain estimates of annual total emissions. Emission factors were developed based on Philadelphia-specific information including ambient temperature, motor vehicle Inspection and Maintenance (I/M) Program, and the vehicular fleet mix and age.

The emission inventories for nonroad (non-highway) equipment were calculated using emission factors obtained from the EPA's NONROAD emissions model (Version 2005) and/or the EPA Compilation of Air Pollutant Emission Factors (AP-42). Emission factors for highway (highway) pickups, dump trucks, concrete trucks, employee vehicles, and other highway regulated vehicles were obtained from the MOBILE6.2 motor vehicle emission model.

Emission factors for each equipment type were applied to the anticipated equipment work output (horsepower-hours of expected equipment use). Operating times for the equipment were based on a five-day work week and an eight-hour workday during which the equipment may be operating.

A usage factor accounting for the percentage of daily operation and a load factor accounting for the average throttle setting relative to capacity were used. That is, a usage factor of 0.75 equates to six hours of operation and a load factor of 0.62 equates to 62 percent of throttle capacity during operation. For the nonroad equipment sulfur dioxide and particulate matter emission factors, a diesel sulfur content of 15 parts per million (ultra low sulfur diesel fuel) was assumed, based on EPA mandated regulations effective June 2010.

For highway vehicles, the anticipated vehicle miles traveled were estimated to determine annual emissions. The following equations were used to obtain annual emission rates for nonroad equipment and highway vehicles:

*Emission Rate for Nonroad Vehicles (tons/year) = Emission Factor (g/hp-hr) * size (hp) * 8 hours per day * Usage Factor * days/year * Load Factor * (1/(453.59*2000) tons/g)*

*Emission Rate for Highway Vehicles (tons/year) = Emission Factor (g/mile) * speed (miles/hour) * hours per day * days/year * (1/(453.59*2000) tons/g)*

Additionally, the construction emissions inventories for asphalt paving and fugitive dust sources were calculated using emission factors within EPA's AP-42 and other publications. Fugitive dust emissions result from the following activities: grading,

[2] The NONROAD2005 Model was created by United States Environmental Protection Agency. Further information can be found at http://www.epa.gov/otaq/nonrdmdl.htm#docs

moving soil, and digging, loading/unloading of trucks, movement of trucks on unpaved surfaces, and wind erosion of stockpiles. Fugitive PM_{10}, $PM_{2.5}$, and VOC emissions from asphalt paving were also included.

Aircraft

The aircraft component of the emissions inventory was developed using most recent version of FAA's Emission and Dispersion Modeling System (EDMS) program (Version 5.1). The FAA requires use of EDMS when assessing aviation emission sources at airports[3] and is recognized by the EPA[4] as the preferred tool for modeling aircraft emissions.

To estimate emissions from aircraft sources, a series of model inputs were needed. These inputs included forecasted aircraft operations, aircraft fleet mix, aircraft engine type, and operating times at PHL. Aircraft emissions are calculated using the emission factors, specific to aircraft and engine type combinations, multiplied by the time spent in each operational mode.

For this analysis, the construction-period aircraft operational parameters were derived from the Total Airspace and Airport Modeler (TAAM) computer program which accounted for airfield performance conditions during the 13-year construction period.

Notably, aircraft operations are forecasted to be the same for the No Action and the Build Alternative through construction-year 10 at which time the No Action Alternative is expected to become operationally constrained. Therefore, the aircraft taxi delay time and gate delay are generally higher for the Build Alternative during the construction periods. However, by construction year 12, aircraft taxi time and delay with the Build Alternative are less than the No Action.

III. Emissions Inventory Results

Table 1 presents the PHL CEP construction period emissions inventory for VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$. Again, for simplicity and to be conservative, the highest estimated amounts of emissions associated with each build alternative (i.e., A and B) and year of construction is reported.

As shown, the greatest amounts of emissions are expected to occur during the 10^{th} year of construction then are expected to decline significantly due to the improved airfield operational conditions attributable to the PHL CEP projects. When compared to the No-Action Alternative, this represents an overall decline in emissions.

[3] Federal Register, Volume 63, No. 70, April 13, 1998.
[4] *Guidelines on Air Quality Models (Revised) with Supplements A and B*, EPA-450/2-78-027R, U.S. Environmental Protection Agency, July 1, 1997. Codified in 40 CFR Part 51, Appendix W.

Table 1- Philadelphia International Airport (PHL) Capacity Enhancement Program (CEP)
Construction Period Air Emissions Inventory

Pollutant	Construction Year												
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**
VOC													
Construction Activities	3.7	12	10.1	5.2	6.4	6.1	4.2	4.4	3.5	5.5	4.5	3.7	0.1
Aircraft Delay	21.0	68.1	83.6	69.8	89.7	78.3	29.7	50.1	118	248	132	-96.9	-67.4
Total VOC Emissions	**24.7**	**80.3**	**93.7**	**75.0**	**96.1**	**84.3**	**33.9**	**54.5**	**122**	**254**	**137**	**-93.2**	**-67.3**
NOx													
Construction Activities	37.5	107	78.8	47.0	44.3	46.6	33.8	58.5	17.7	24.0	16.6	15.1	0.2
Aircraft Delay	28.2	95.9	105	90.2	107	93.4	19.9	35.3	149	306	116	-187	-172
Total NOx Emissions	**65.7**	**203**	**184**	**137**	**151**	**140**	**53.8**	**93.9**	**166**	**330**	**133**	**-172**	**-172**
CO													
Construction Activities	35.5	138	113	51.3	82.4	69.2	106	61.1	40.9	44.8	40.9	21.3	2.6
Aircraft Delay	193	630	719	667	796	677	198	421	1056	2082	987	-893	-689
Total CO Emissions	**229**	**768**	**832**	**719**	**878**	**747**	**304**	**482**	**1,097**	**2,127**	**1,028**	**-872**	**-686**
SO_2													
Construction Activities	0.1	0.4	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.0
Aircraft Delay	9.2	30.8	34.0	29.8	35.1	30.0	7.8	17.0	48.4	97.1	46.3	-44.9	-36.9
Total SO_2 Emissions	**9.3**	**31.2**	**34.3**	**29.9**	**35.3**	**30.2**	**8.0**	**17.1**	**48.6**	**97.2**	**46.4**	**-44.8**	**-36.9**
PM10													
Construction Activities	11.0	16.0	25.7	11.8	17.2	11.7	11.8	7.9	7.2	27.2	25.5	53.7	5.0
Aircraft Delay	1.8	6.1	6.7	5.8	5.1	3.5	1.4	3.5	10.1	20.6	9.7	-9.9	-7.8
Total PM10 Emissions	**12.8**	**22.1**	**32.5**	**17.6**	**22.3**	**15.2**	**13.1**	**11.4**	**17.3**	**47.7**	**35.2**	**43.8**	**-2.9**
PM2.5													
Construction Activities	6.3	10.5	20.8	7.1	12.4	6.8	7.0	3.1	2.6	22.4	20.8	49.1	0.5
Aircraft Delay	1.8	6.1	6.7	5.8	5.1	3.5	1.4	3.5	10.1	20.6	9.7	-9.9	-7.8
Total PM2.5 Emissions	**8.2**	**16.5**	**27.6**	**12.9**	**17.5**	**10.3**	**8.4**	**6.7**	**12.7**	**42.9**	**30.5**	**39.2**	**-7.3**