

Allegheny County Health Department

Air Quality Program

Point Source Emission Inventory Report 2013

Summary of Air Emission Estimates from Point Sources
Allegheny County, PA
Criteria Air Pollutants for 1996-2013 and
Hazardous Air Pollutants (HAPs) for 1999-2013



CHESWICK POWER PLANT STACK

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Summary of Air Emission Estimations from Point Sources
In Allegheny County
Years 2000-2013 for Criteria Air Pollutants
And 2000-2013 for Hazardous Air Pollutants

Executive Summary

Point source air emissions in Allegheny County have declined significantly since 1996. In 2013 this trend reversed when emissions of criteria pollutants increased 3.4% from reported 2012 levels. This occurred primarily because carbon monoxide emissions increased 6.7% countywide and nitrogen dioxide emissions increased 10.5%. Countywide emissions of sulfur dioxide fell 7.9%, those of PM₁₀ fell 12.3%, and VOCs increased slightly by 0.5%. The declines in emissions of sulfur dioxide and PM₁₀ offset the increases in carbon monoxide and nitrogen oxides.

Cheswick limited operation of its selective catalytic reduction (SCR) equipment, following the installation of the flue gas desulfurization (FGD) system to avoid a “blue plume” from increased emissions of sulfate particulate generated by SCR operation. Sulfur dioxide emissions from this plant fell an additional 11.8% in 2013. However, emissions of NO_x from this plant increased 18.9% while PM₁₀ emissions decreased 60.5%. Total criteria pollutants have declined every year since 2004 until this year and overall the declines average 9.3%.

Since 1996 emissions of carbon monoxide (CO) have declined 39.5%, nitrogen oxides 48.1%, PM₁₀ 68.0% and volatile organic compounds (VOCs) 70.6%. The decline in sulfur dioxide (SO₂) emissions between 1996 and 2013 is 87.2%. Emissions of sulfur dioxide have fallen 85.4% since 2009 because operation of the flue gas desulfurization system at Cheswick has been fairly reliable. Sulfur dioxide emissions from this source constitute 28.3% of total countywide emissions of this pollutant rather than the 81% reported previous to 2009. The station is located on the Allegheny River in Springdale, PA. SO₂ emissions can vary with the demand for electrical power and/or the sulfur content of the coal burned. In 2013 the facility emitted 11.8% less sulfur dioxide than in 2012. The reported sulfur content of the coal burned in 2013 was 3.5% versus 3.87% in 2012. The ongoing availability of the flue gas desulfurization system allowed the source to use higher sulfur coal and still emit 94.9% less sulfur dioxide than in 2009. The use of Continuous emissions monitoring system (CEMS) at this plant has improved the accuracy of emission estimates.

The US Clairton Coke Works is now the largest source of criteria pollutants in Allegheny County. Total emissions of criteria pollutants are 22% greater than those from Cheswick.

Between 2000 and 2013 emissions from the US EPA list of 187 Hazardous Air Pollutants (HAPs) decreased 68.9%. The table below lists the year over year changes in the total amount of HAPS reported in the Allegheny County Emission Inventory.

| Trends HAP Emissions Allegheny County 2000 - 2013 | | | | | |
|---|----------------------------|-----------------------|-----------------------|---------------------|--------------------|
| Year | Total HAP Emissions (tons) | Percent Change. Total | Percent Change. Other | Percent Change. HCl | Percent Change. HF |
| 2000 | 2463 | | | | |
| 2001 | 2566 | 4.18 + | 9.9 - | 14.9 + | 15.0 + |
| 2002 | 2145 | 16.4 - | 10.2 - | 21.3 - | 21.1 - |
| 2003 | 2396 | 11.7 + | 6.9 - | 26.4 + | 25.8 + |
| 2004 | 2191 | 8.6 - | 2.9 + | 15.3 - | 14.8 - |
| 2005 | 2030 | 7.4 - | 4.6 + | 11.6 + | 1.0 - |
| 2006 | 1944 | 4.2 - | 18.5 - | 1.3 - | 1.0 + |
| 2007 | 2150 | 10.6 + | 13.4 - | 24.6 + | 3.9 - |
| 2008 | 1546 | 28.1 - | 8.0 - | 36.1 - | 19.0 - |
| 2009 | 1550 | 0.3 + | 5.3 - | 2.7 + | 6.2 + |
| 2010 | 1449 | 6.5 - | 18.4 + | 17.1 - | 24.4 - |
| 2011 | 899 | 38 - | 8.8 - | 56.1 - | 64.6 - |
| 2012 | 670 | 25.5 - | 1.75 - | 56.3 - | 78.3 - |
| 2013 | 718 | 7.2+ | 4.7+ | 13.4+ | 60.0+ |

Emissions of total HAPS as well as the individual HAPS, hydrofluoric acid (HF) and hydrochloric acid (HCl), in the past have correlated with emissions from the Cheswick Power Plant which depending on demand has emitted around 1000 tons or more a year of HAPS as recently as 2007. Emissions of hydrochloric acid and hydrofluoric acid from Cheswick rose in 2013. HF at Cheswick increased from 0.07 tons in 2012 to 2.99 tons in 2013 and HCl increased from 2.39 tons to 4.5 tons. The amount of coal burned at this plant increased 18.6%. The increase in emissions of HCl and HF resulted from changes to the emission factors calculated from a 2013 stack test.

Total point source HAP emissions have trended lower between 1999 and 2013 in Allegheny County but not consistently. Cheswick Power Station no longer accounts for the majority of the emissions of HAPS among the facilities included in the Allegheny County Point Source Inventory. The USS Clairton Coke Works is now the largest source of HCl emissions in the County generating 60.3% of the total of 177.56 tons. Cheswick emitted the largest amount of HF in 2013, 2.99 tons or 37.4 % of the total. Bay Valley Foods' HF emissions decreased slightly from 2.06 tons in 2012 to 1.86 tons in 2013 or 23.3 % of the total. A close runner up was Gottlieb Inc, an aluminum recycler, emitting 22.5 % of the total or 1.77 tons.

Overall HAP emissions increased 7.2 % due to increases at Cheswick in HCL and HF emissions. After excluding these two compounds from total HAP emissions, the countywide increase was 4.7%.

Emissions of the five criteria pollutants from point sources in the County have trended down since 2000. Emissions from the Cheswick Station no longer mask the overall degree of reduction attributable to the other point sources included in the annual survey to the same degree they have in the past.

Examination of emission trends of both HAPS and criteria pollutants after excluding Cheswick's and Clairton's contributions show overall declines in both categories. Emissions of HAPS have declined 31.6% since 2002. Emissions since 2000 of nitrogen oxides have fallen by 40.2%; PM₁₀ has decreased 62.1% and volatile organic compounds have fallen 62.3%. Carbon monoxide emissions fell 39.4% in this period and sulfur dioxide emissions have decreased 34.1%. The desulfurization plant at the Clairton Coke Works with the exception of two major malfunctions in recent years has functioned reliably. Overall the declines observed since 2002 are attributable to closure or reduction in operations of industrial facilities in the County as well as process improvements and the installation of new and improved control equipment at many facilities.

Emissions of both HAPS and criteria pollutants from the Cheswick Power Station and the Clairton Coke Works are proportional to fuel use. This makes the total amount of industrial air pollution in the County highly dependent on the output from these two facilities. However, Cheswick has acted to reduce the amount of pollution generated by its operation. In 2003 nitrogen oxide emissions were reduced by the installation of a Selective Catalytic Reduction (SCR) device. Cheswick Power Station's flue gas desulfurization unit on the main boiler operated reliably in 2013 with about a 99% availability rating. This reduced emissions of sulfur dioxide by an additional 11.8 % in 2013. The facility's operations indicate they have preferred to decrease particulate emissions while tolerating increases in nitrogen oxides observed from limiting SCR operation. Particulate emissions at Cheswick fell 60.5% in 2013.

Please note graphs and charts have been condensed to display data from the three year cycle National Emission Inventory (NEI) for years prior to 2009.

Introduction

The annual Air Quality Program's Point Source Emission Inventory Report for 2013 details and analyzes emission estimates from facilities with potential emissions in the categories listed below:

- 25 TPY or more of any criteria pollutant
- 10 TPY or more of any single Hazardous Air Pollutant (HAP)
- 25 TPY or more of any mixture of HAPs

In 1997 reporting of annual emission inventories was converted from a paper system to an electronic system. In 2009, 90.9% of submittals were made to the Allegheny County Health Department Website. The remainder was made by e-mail as the procedure for submitting to the Health Department website was incompatible with many sources networks. For 2010 the Air Quality Program adopted the DEP AES Online System. This system allows for web-based submittals by all sources and complies with the EPA Cross Media Electronic Reporting Rule. In 1998 the availability of emission factors for HAPS increased making possible better estimates of emissions for these compounds.

This report provides graphs and tables comparing air emissions for 2013 to those from previous years. It contains six sections with four attachments.

- Section I – Point source Criteria Emission Trends
- Section II – Point Source Criteria emissions by Industry Sector
- Section III – Sources and Form of Particulate Emissions- PM₁₀, PM_{2.5}, filterable and condensable.
- Section IV – Point source HAP Emissions
- Section V – Point Source HAP Emission Trends
- Section VI – Impact of the Reliant Cheswick Power Station and Clairton Coke Works on Total County Point Source Emissions

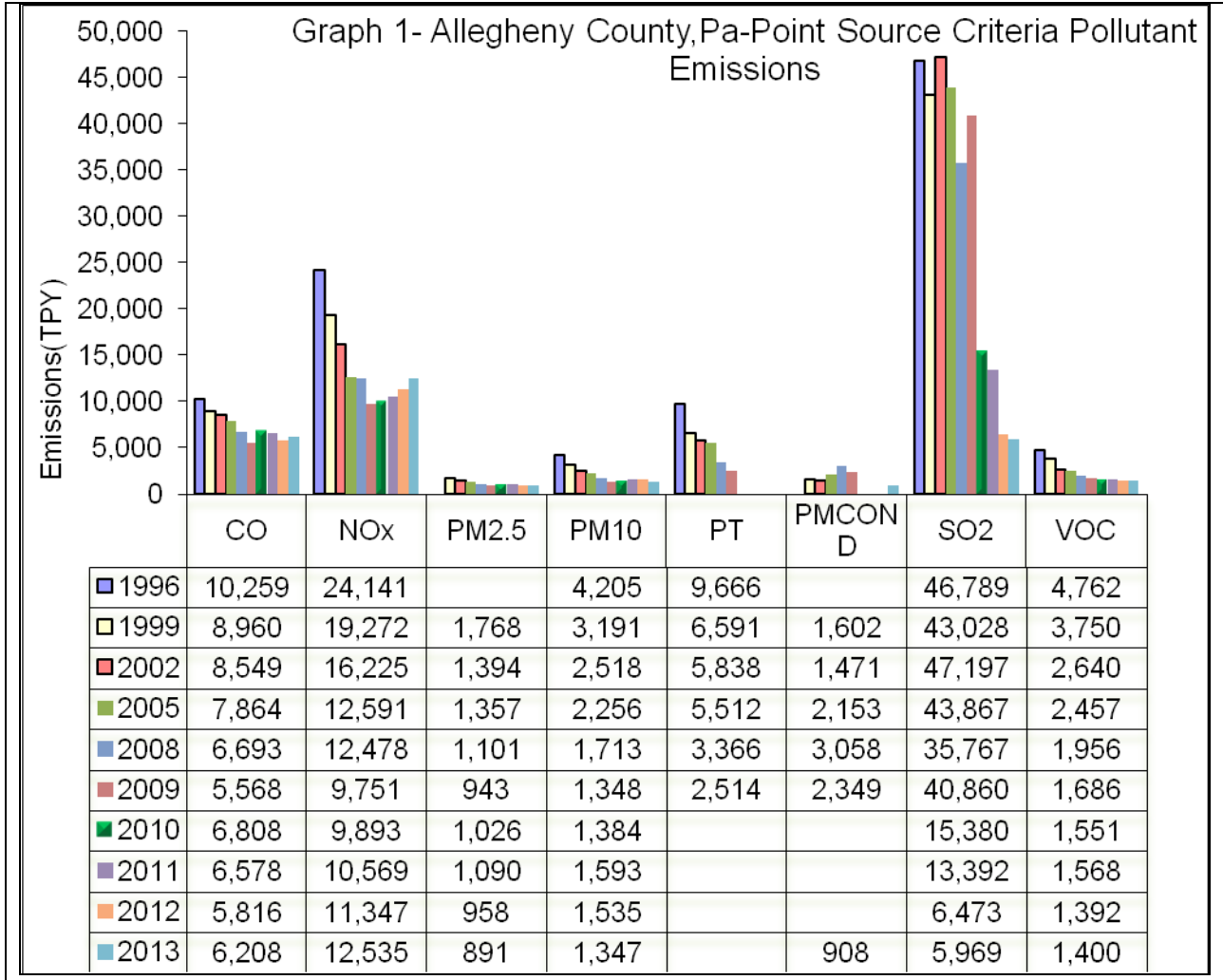
Trends in emissions of criteria pollutants in the County are discussed by industry sector in Section II. Section VI addresses contributions from the Cheswick Power Station and the Clairton Coke Works to total County point source emissions. These two sources emissions merit a separate section because their total emissions are far greater than those of any other facilities in the County.

- Attachment A – Criteria Pollutant Emissions for Individual Facilities
- Attachment B - List of HAP Emissions by Compound.
- Attachment C- HAP Emissions of Individual Facilities
- Attachment D – Total Point Source Emissions Ammonia

Considering this report is based on 18 years of accumulated data, the charts below have been consolidated to display only data from the immediate previous five years and the five preceding NEI Tri annual inventories.

Section I Criteria Pollutant Emissions

Graph 1 summarizes total emissions of criteria air pollutants as defined by the Clean Air Act from point sources in Allegheny County. Please note the DEP AES system does not contain fields where sources can report total particulate. DEP added a field for PM condensable in 2012 but a total was not reported because many sources neglected to report emissions of this form of particulate in 2012. Total particulate is no longer defined as a criteria pollutant by the EPA.



The pollutants shown include:

- CO – carbon monoxide
- NO_x – emissions of oxides of nitrogen reported as nitrogen dioxide
- PM_{2.5} – filterable particulate with an aerodynamic diameter less than 2.5 microns
- PM₁₀ - filterable particulate with an aerodynamic diameter less than 10 microns
- PT- total filterable particulate. No data is available after 2010.
- PMCOND- condensable particulate matter defined as material in the vapor state at temperatures above 68° F and a solid at lower temperatures. No data available for 2010, 2011 and 2012.
- SO₂- sulfur dioxide
- VOCs – Volatile Organic Compounds.

More detailed definitions are provided in the notes located at the end of the report.

In 2013 emissions of PM_{2.5}, PM₁₀, and sulfur dioxide decreased, while emissions of nitrogen oxides increased as well as emissions of carbon monoxide and VOC's. Sulfur dioxide emissions decreased an additional 7.9% in 2013 compared to the level reported in 2012. This is largely attributable to the continuing decrease in emissions of this pollutant from the Cheswick facility. The plant has continued to improve the operational reliability of its flue gas desulfurization system installed several years ago.

**Table 1 - Estimated Point Source Criteria Air Emission Change in Allegheny County, PA
Tons per Year Emitted as Percentage of 1996 Baseline Year**

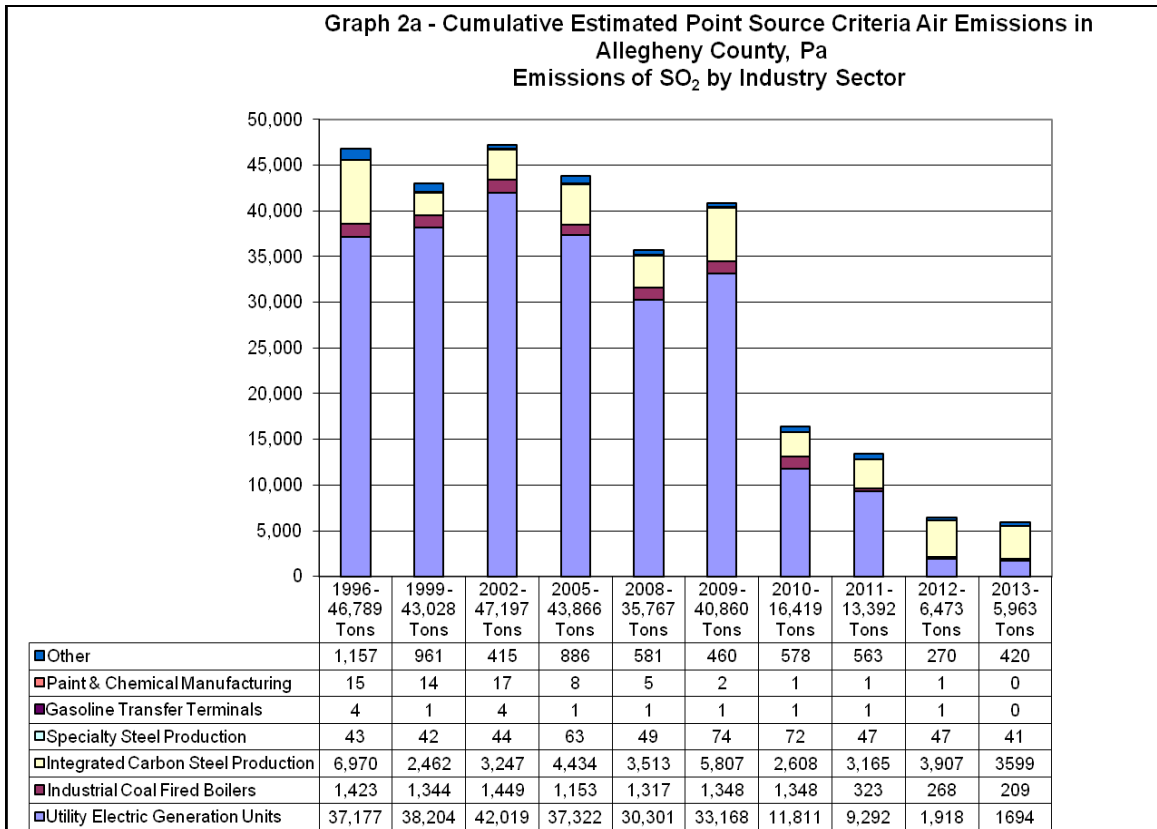
| 1996 Base Year (Tons/Yr) | Pollutant | | | | | | | |
|-----------------------------------|-----------|--------|--------|--------|--------|--------|--------|--------|
| | CO | NOx | PM2.5 | PM10 | PT | PMCOND | SO2 | VOC |
| | 10,259 | 24,141 | | 4,205 | 9,666 | | 46,789 | 4,762 |
| 1997 | -2.1% | 2.3% | | -0.7% | -9.9% | | 7.6% | 2.4% |
| 1998 | -9.2% | -18.0% | | -16.2% | -27.4% | | -18.1% | -20.2% |
| 1999 | -12.7% | -20.2% | 1,768 | -24.1% | -31.8% | 1,602 | -8.0% | -21.3% |
| 2000 | -9.6% | -21.7% | -12.5% | -32.3% | -38.5% | 15.0% | 7.3% | -30.9% |
| 2001 | -15.2% | -27.0% | -31.1% | -40.3% | -40.0% | -5.8% | 16.0% | -40.2% |
| 2002 | -16.7% | -32.8% | -21.2% | -40.1% | -39.6% | -8.2% | 0.9% | -44.6% |
| 2003 | -14.3% | -40.1% | -12.2% | -36.6% | -36.1% | -9.2% | 8.7% | -48.1% |
| 2004 | -19.4% | -41.6% | -16.2% | -39.4% | -41.1% | 1.6% | -1.1% | -45.7% |
| 2005 | -23.3% | -47.8% | -23.2% | -46.4% | -43.0% | 34.4% | -6.2% | -48.4% |
| 2006 | -29.0% | -44.8% | -31.5% | -50.3% | -48.0% | -13.6% | -17.1% | -55.6% |
| 2007 | -28.1% | -43.0% | -39.0% | -59.6% | -66.7% | 97.7% | -13.9% | -55.8% |
| 2008 | -34.8% | -48.3% | -37.7% | -59.3% | -65.2% | 90.9% | -23.6% | -58.9% |
| 2009 | -45.7% | -59.6% | -46.7% | -59.3% | -74.0% | 46.6% | -12.7% | -64.6% |
| 2010 | -33.6% | -59.0% | -42.0% | -67.1% | | | -67.1% | -67.4% |
| 2011 | -35.9% | -56.2% | -38.4% | -62.1% | | | -71.4% | -67.1% |
| 2012 | -43.3% | -53.0% | -45.8% | -63.5% | | | -86.2% | -70.8% |
| 2013 | -39.5% | -48.1% | -49.6% | -68.0% | | | -87.2% | -70.6% |

Trends in emissions of criteria pollutants in the County are discussed by industry sector in Section II. Section VI addresses contributions from the Cheswick Power Station and Clairton Coke works to total County point source emissions.

Section II Criteria Point Source Air Emissions by Industrial Sector

Graphs 2a-2e details emissions of each criteria pollutant from individual point source industrial sectors in the County. The six industrial sectors identified account for approximately 90% of all criteria point source air emissions. Facilities are sorted into sectors based on the size of their contribution to total air emissions. With the exception of sulfur dioxide, which fluctuates from year to year depending on the demand for electricity from the Cheswick Power Station and coke from USS Clairton Works, the overall direction of emissions of criteria pollutants continued to decline in 2013. Contributions from individual sectors show declines from the 1996 base year despite some increases attributable to variable business conditions.

a) Sulfur Dioxide

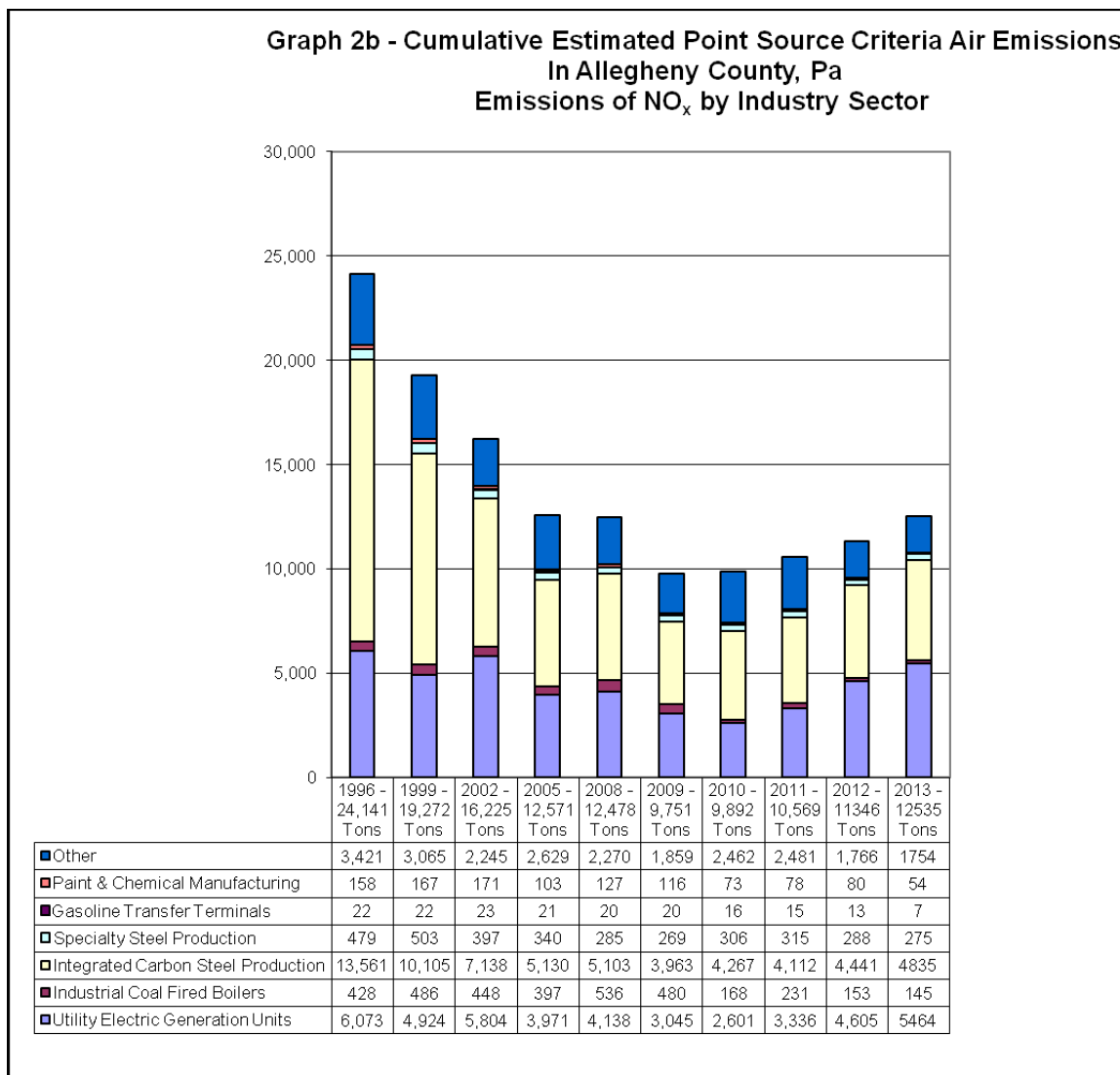


Sulfur dioxide emissions decreased in six industrial sectors and increased in the ‘other’ category in 2013. Overall sulfur dioxide emissions decreased 7.9% from the levels reported in 2012. They declined by the same amount, 7.9% in the Integrated Carbon Steel Sector and 11.7% in the Electric Generation Sector. Currently, approximately 55.7% of all sulfur dioxide emissions in the County are from the Cheswick Power Station (28.3%) and the U.S. Steel Clairton Coke Works (27.4%). Emissions of this compound from these two sources are addressed separately in Section VI. Emissions from these two sources combined overwhelm SO₂ emissions from other point sources in the County and determine the overall direction of SO₂ emissions. Sulfur dioxide emissions increased in the other category by 55.6% primarily because Shenango’s emissions increased 12% or 30.5 tons. Emissions fell 12.8% in the specialty steel sector and 22% for coal fired boilers.

The decrease in sulfur dioxide from integrated carbon steel production between 2012 and 2013 occurred because the desulfurization plant at Clairton did not have any significant operating problems. Sulfur dioxide emissions decreased at the Clairton Coke Works even though both the amount of coke oven gas burned and the amount of coke produced increased. The firm reported an increase of 63% in the amount of coke oven gas burned and a 25% increase in the amount of coke produced.

Fifty percent of the decrease in sulfur dioxide emissions from integrated carbon steel production since 1998 is attributable to the closing of the Hazelwood LTV Coke Works

b) Nitrogen Dioxide



In 2013 nitrogen oxide emissions overall increased 10.5%. NO_x emissions increased in two sectors and decreased in five. Increases occurred in the following sectors:

- Utility Electric Generation- 18.7%
- Integrated Carbon Steel Production – 8.9 %

Cheswick Power Station operated their SCR minimally in 2013. Therefore their NO_x emissions increased 18.91% without approaching the facility's permit limit for this pollutant.

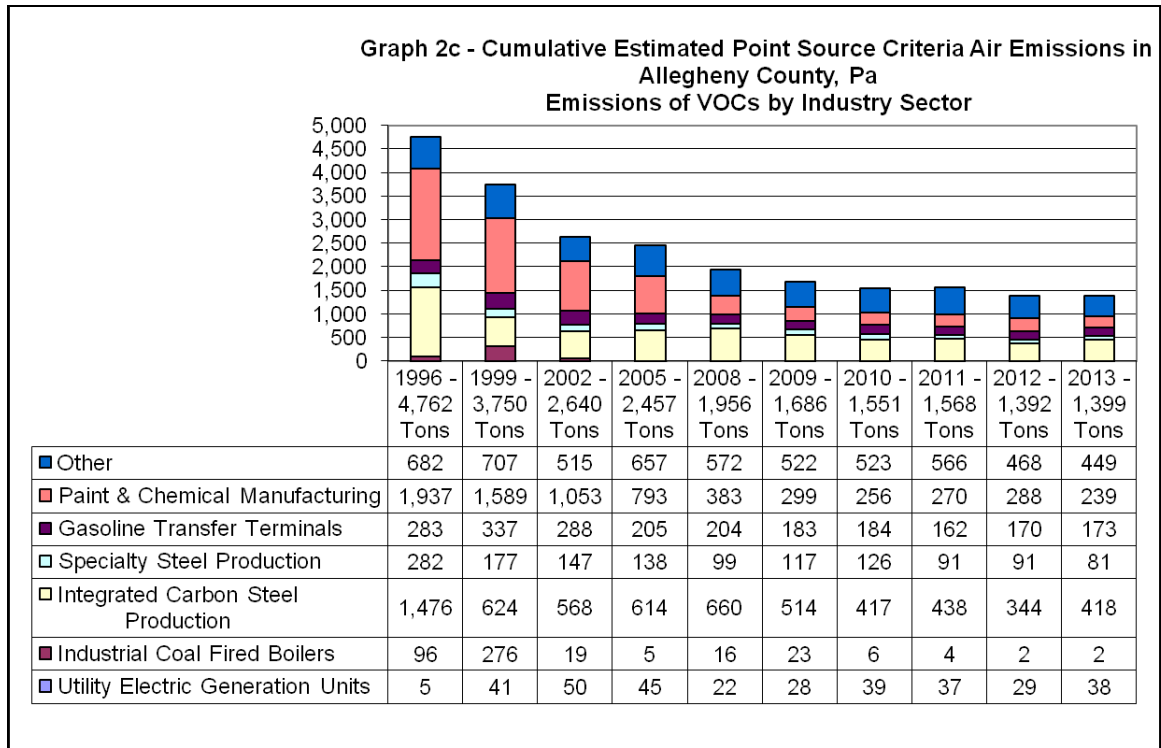
Decreases were observed in Specialty Steel Production and Gasoline Transfer Terminals. In the Specialty Steel sector NO_x emissions fell 4.5%, 46.2% in the Gasoline Terminal

Sector, 27.7% in the other group of facilities, 0.7% in the paint and chemical sector 32.5% and 5.2% in the coal fired boilers sector.

The increase in NOx emissions in the utility sector was limited in 2013 because the Cheswick Plant increased the amount of coal combusted while operating the SCR by 348%. But the amount burned without operating the selective catalytic reduction (SCR) equipment increased 17.87%. Despite the large percentage increase in the amount of coal burned while operating the SCR, this amount only accounted for 0.9% of the total coal burned. Cheswick has determined from testing they can comply with their NOx emission limit without operating the SCR. SCR operation while decreasing NOx emissions from the coal fired boiler increases emissions of particulate. But Graph 2d illustrates particulate emissions from the utility sector decreased 55.2% in 2013. Cheswick's NOx emissions increased 18.9%. The increase in NOx emissions reflects the plant's current operating configuration.

Unlike the period from 1996 to 2002, no large source of nitrogen oxide emissions has shut down recently. The large decreases in emissions of nitrogen oxides between 1996 and 2003 were largely attributable to the shutdown of the LTV Coke Works in 1998 and the Kosmos Cement kiln in 2001 and the installation of selective catalytic reduction control equipment at the Cheswick Power Station in 2003.

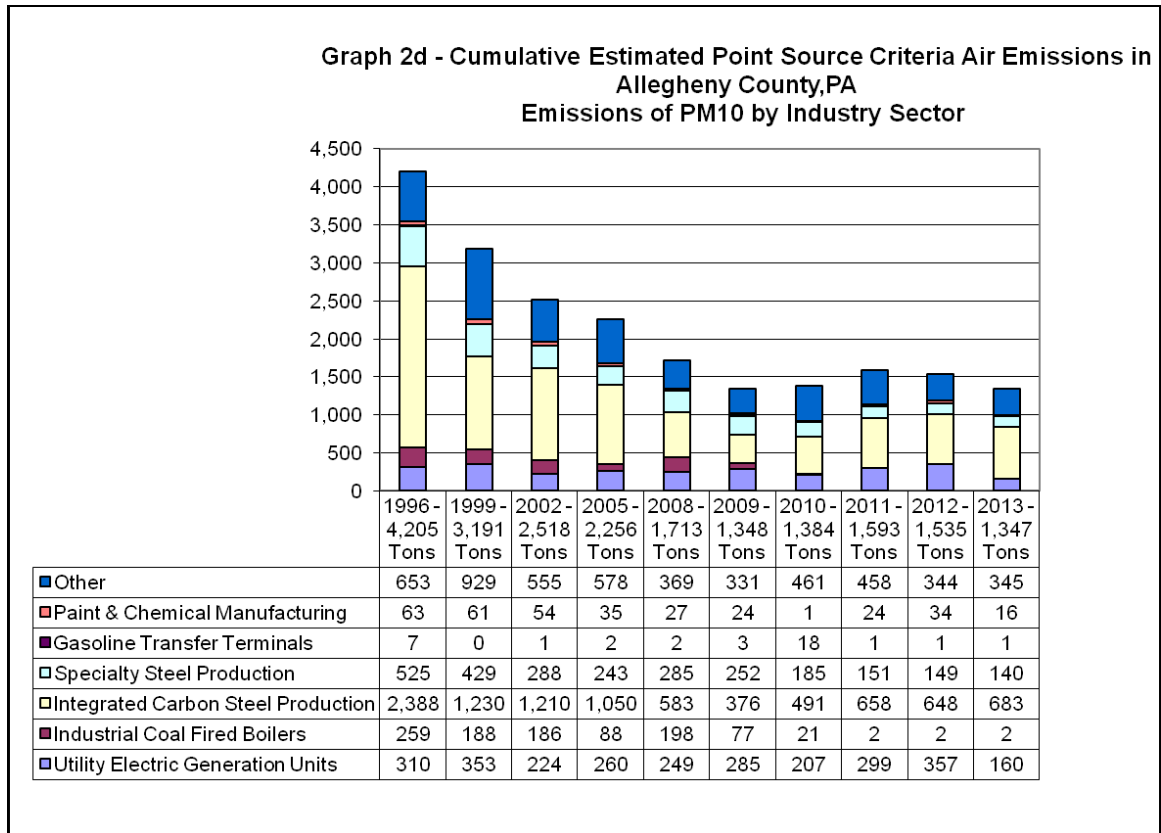
c) Volatile Organic Compounds (VOCs)



VOC emissions in 2013 were relatively constant only increasing by 0.50% over 2012. Emissions from the chemical manufacturing sector decreased 17.1%. Emissions from integrated carbon steel operations increased 21.5%, while those from specialty steel production decreased 11.0%. Gasoline Transfer Terminal's emissions increased 1.0% while those from industrial coal fired boilers were unchanged. Electric Utility VOC emissions increased nine tons or 31.0% while VOC emissions from sources in the other category fell 4.0%. VOC emissions have declined by 73.0 % at Neville Chemical and 74.9% at Eastman Chemical since 2001. These are the two largest chemical firms in the County. Declines in emissions in the chemical manufacturing sector have decreased as process control improvements have been implemented at these two plants.

The slight increase in VOC emissions in 2013 can be attributed to variable business conditions. The large overall decreases in the chemical sector in the past decade are in part attributable to the installation of thermal oxidizers at both major chemical plants and the shutting down of some of the process lines. As Graph 2c illustrates emissions of this pollutant have decreased overall by 47.0% since 2002. The increase in VOC emissions in the Integrated Carbon Steel sector resulted from increased production at Battery C at the Clairton Coke Works. Between 2012 and 2013 throughput for this battery increased from 93,213 tons to 1,166,107 tons or 12.5 times

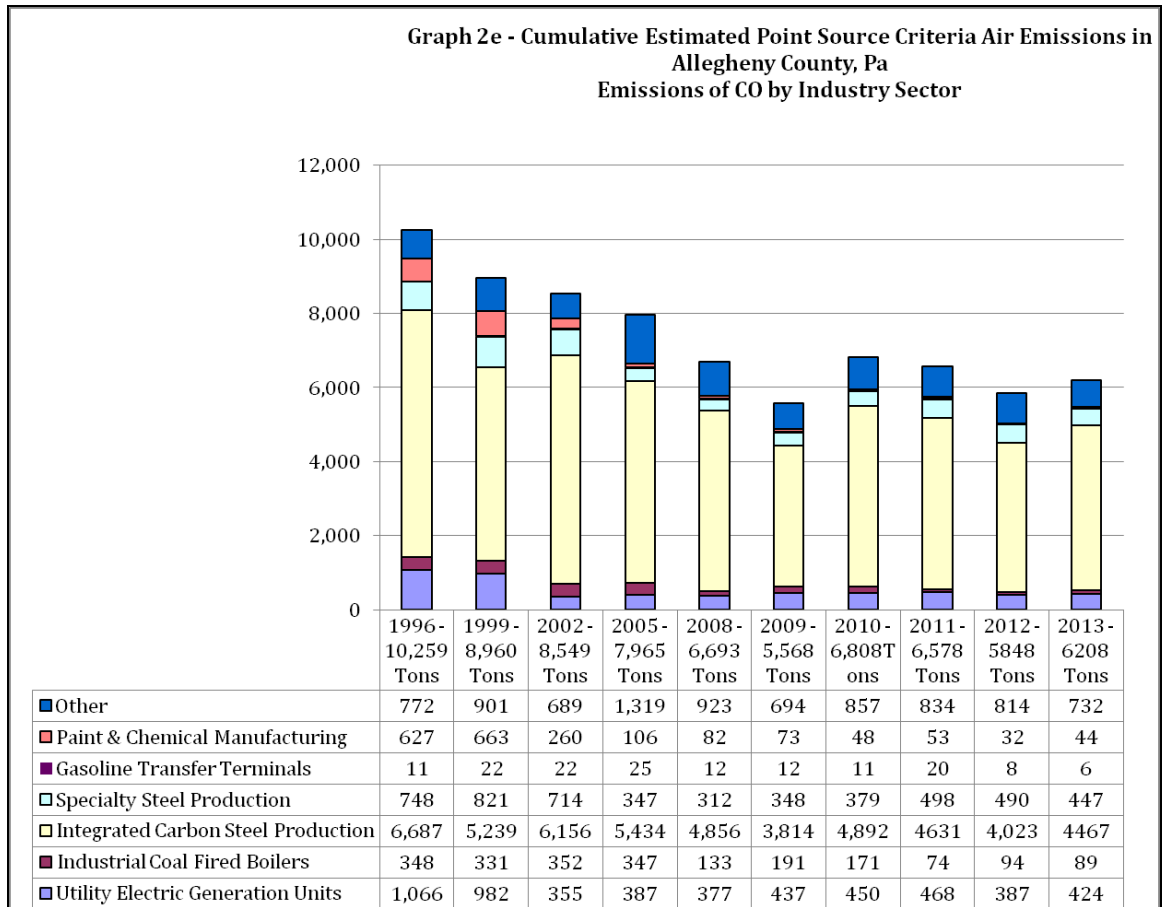
d) PM₁₀



In 2013 PM₁₀ emissions decreased 12.3% from 2012. PM₁₀ emissions decreased or were unchanged in five industrial sectors. They increased in two. The constant level in particulate emissions from the industrial coal fired boiler sector resulted from the installation of a spray dryer bag-house assembly at Bay Valley. Emissions of this pollutant in the integrated carbon steel sector increased 5.4%. In the specialty steel category PM₁₀ emissions declined 6.0% in 2013. In the utility sector PM₁₀ emissions decreased 55.2%. This is largely attributable to a 60.5 % decline at the Cheswick Power Station. The decrease in reported PM₁₀ emissions correlates with an 18.9% increase in NO_x emissions.

Review of Graph 7 – Historical Air Emissions NRG Cheswick Station indicates the facility is trying to determine a heat input level where operation of the SCR results in roughly equivalent levels of emissions of NO_x and PM₁₀ for a given fuel heat input. Since 2000 emissions of PM₁₀ have fallen by 56% at Cheswick.

e) Carbon Monoxide



Emissions of carbon monoxide increased 6.2 % in 2013. Emissions decreased in four industrial sectors and increased in two. The decrease in the Industrial Coal Fired Boiler sector was only 5.3%. Decreases in the remaining sectors ranged from 25% in the Gasoline Transfer sector to 5.3% in the Industrial Coal Fired Boiler sector. The US Steel Clairton Coke Works generated 46.5 % of the carbon monoxide emitted by point sources in Allegheny County. In 2013 carbon monoxide emissions from all three US steel Plants accounted for 72% of emissions of this pollutant. The utility sector increased emissions 9.6% in 2013. Demand increased moderately at Cheswick while Springdale's emissions were relatively constant. Cheswick's emissions of carbon monoxide increased 47 tons or about 18.3% in 2013. Although percentage increases in emissions of this pollutant were relatively large, the actual increases measured in tons were not.

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Section III Particulate Emissions and Their Sources

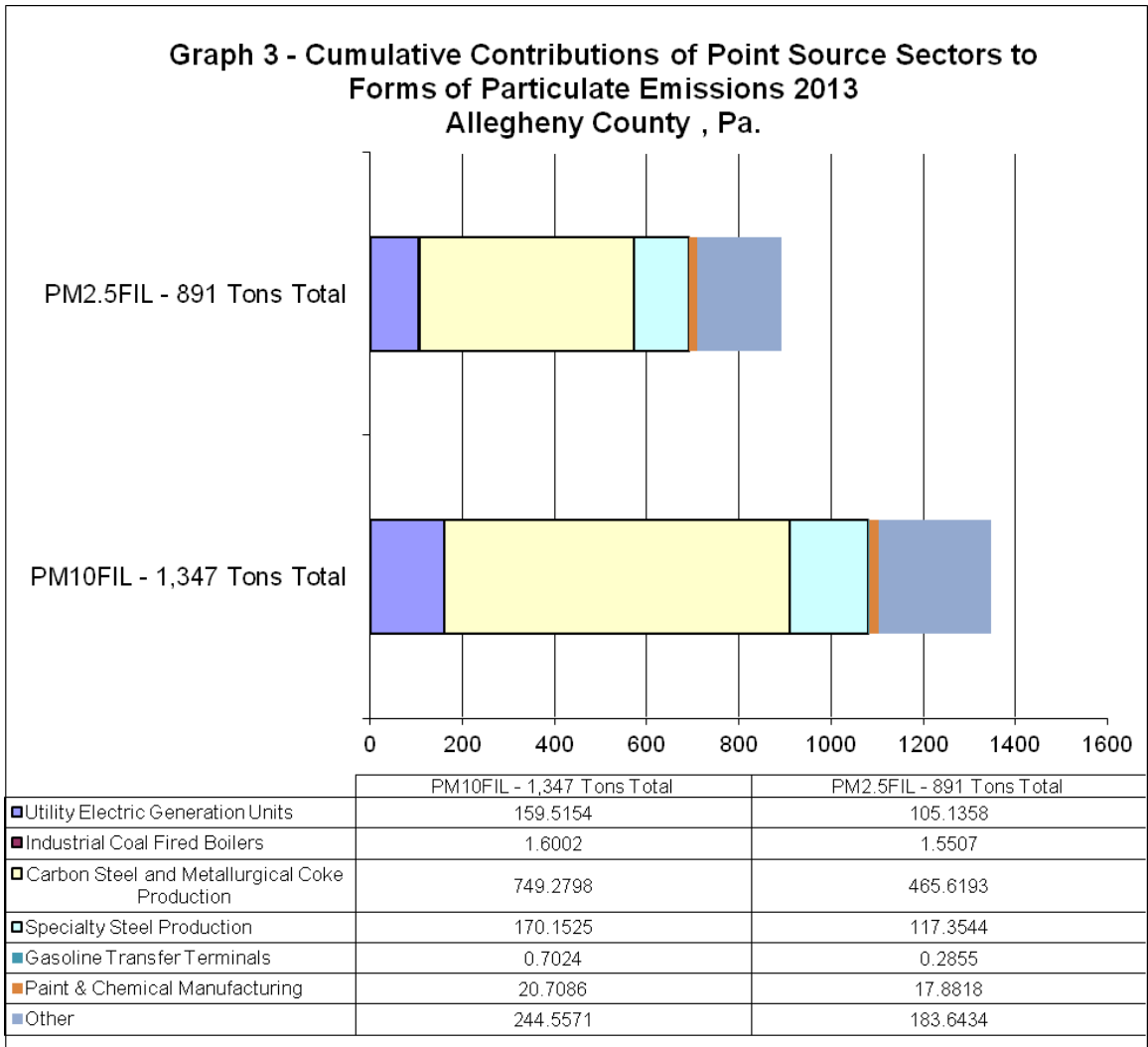
In the Allegheny County Emission Inventory, four forms of particulate matter were reported until 2010. These were total particulate (PT), condensable particulate (PMCond), PM₁₀ and PM_{2.5}. The last two are fractions of total particulate. Below are the definitions of each of these forms

- PT- total filterable particulate is the material captured from flue gas on a filter heated to 248°F.
- PM₁₀ - fraction of filterable particulate with an aerodynamic diameter less than 10 microns
- PM_{2.5} – fraction of filterable particulate with aerodynamic diameter less than 2.5 microns.
- PMCond- material collected from the filtered flue gas after it has passed through the 248°F filter as a gas and been condensed from the sample stream and dried.

PM_{2.5}, PM₁₀ and PT are not independent of each other. PM_{2.5} is a fraction of both PM₁₀ and PT. PM₁₀ is a fraction of PT. Condensable particulate is not part of filterable particulate or its fractions in flue gas. It is a gas that condenses in ambient air to fine particulates.

In the 2011 and 2012 Allegheny County Emission Inventory only PM₁₀ and PM_{2.5} were reported. In 2010 the County adopted the DEP AES web-based emission inventory reporting system. DEP agreed to insert a field into the system to allow the reporting of PM_{2.5}. The DEP system does not contain a field for the reporting of PT because this is no longer considered a reportable criteria pollutant by the EPA. Their sources unlike the County sources do not separate particulate into filterable and condensable fractions for reporting purposes. This changed in 2012 when DEP created a field for PMCond. However, overall the reporting of this fraction of pollutant in 2012 was unsatisfactory in 2013 the Allegheny County Air Quality Program has resumed reporting of PMCond.

Graph 3 is an illustration of the amount of PM₁₀ and PM_{2.5} released by each industrial sector through 2013.



Section IV Hazardous Air Pollutants (HAPS)

Facilities are required to report emissions of any of the 187 HAPs listed in ACHD Article XXI, Section 2101.20.a. Article XXI is consistent with EPA Section 112(b) of the Clean Air Act.

Hydrogen sulfide is reported in this category. Hydrogen sulfide is a contaminant listed in Article XXI. Ammonia must be reported because it is a particulate precursor in air. It is reported in Attachment D. Some HAPs are speciated when reported. Speciation is applied to exceptionally toxic HAPS such as hexavalent chromium.

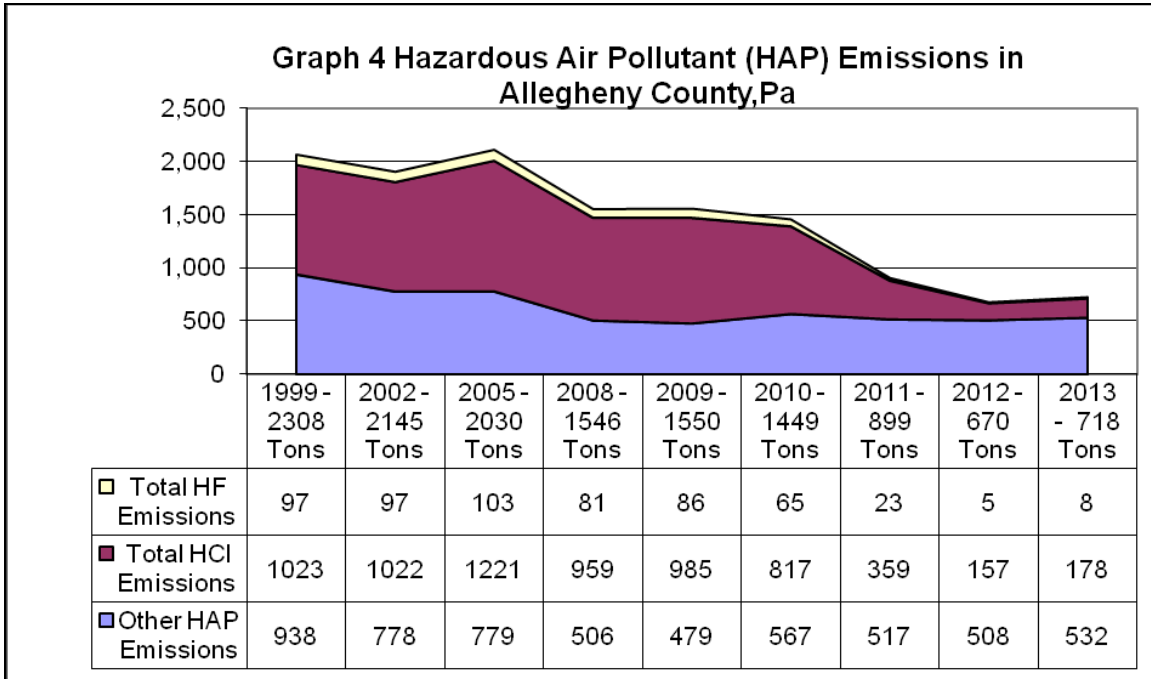
HAP reporting requirements became more stringent with the 1999 Emission Inventory. Speciation for some compounds was introduced. So HAP emission estimates prior to 1999 are not comparable to those from 1999 forward.

Attachment B lists point source HAP emissions in Allegheny County by total amount of individual compound. Adjustments to emissions of hydrochloric acid (HCl) and hydrofluoric acid (HF) are explained following the table.

The impact of exposure to individual HAP compounds varies greatly with both the concentration and the chemical properties of the compound. Exposure concentrations required to observe negative health impacts can differ by several orders of magnitude among different compounds. Synergistic effects of exposure to combinations of HAPs at differing concentrations have not been thoroughly studied.

Section V. HAP Emission Trends

Graph 4 Illustrates HAP emissions trends in Allegheny County.



Hydrogen fluoride (HF) and hydrochloric acid (HCl) made up 48.5 % of total HAP emissions from County sources in 1999. In 2008 emissions of these two compounds from the Cheswick Power Station accounted for 53.68 % of total HAP emissions reported by point sources. In 2013 emissions of HCl in the County totaled 178 tons or 24.8% of total HAPS and emissions of HF totaled 8 tons or 1.1 % of total HAPS. Total HAP emissions increased 7.16%. In 2013 Cheswick emitted 4.5 tons of HCl and 3.0 tons of HF. HAP emissions from Cheswick remain low because the utility kept the flue gas desulfurization system operating for most of the year. The three largest sources of HCl emissions currently are the USS Clairton Works, 107.1 tons, the USS Irvin Plant, 29.7 tons and Bay Valley Foods 14.9 tons. In 2013 USS Clairton Works accounted for 60.2% of total HCl emissions. In 2013 the largest emitters of HF were Cheswick accounting for 37.4 % of the eight ton County total and Bay Valley Foods generating 25.8% of the total.

Emissions of HCl will fluctuate with operations at the Clairton Coke Works going forward. Since 2002 HCL emissions from this plant have ranged between 95 and 105 tons per year. HF emissions from Bay Valley have ranged between two and three and half tons for the last ten years while Gottlieb only started reporting HF emissions in 2010. This facility’s emissions of HF have been less than two tons per year for the last three years.

HAP emissions of compounds other than HCl and HF increased 4.7% in 2013. This is mainly attributable to increases in production at coke plants causing increases in benzene and generalized coke oven emissions from increased production.

When emissions of HCl and HF are excluded from the total, Graph 4 shows emissions of HAP compounds from other sources declined overall through 2013 falling 43.3% since 1999. Between 2009 and 2013 emissions of other HAPS have ranged from a low of 479 tons to a high of 567 tons. The variation is less than 100 tons for the five year period.

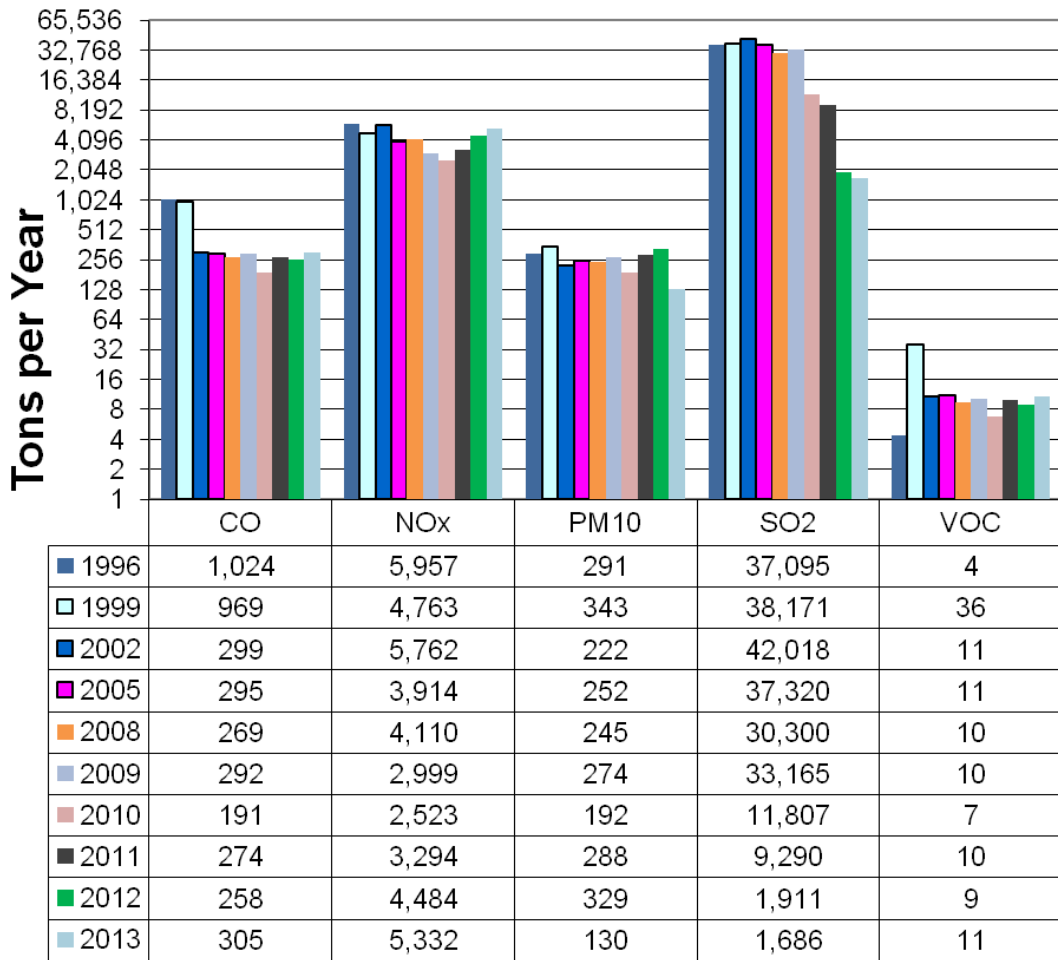
In 2013 emissions of aromatic hydrocarbon increased 4.6% over the level reported in 2012. Toluene emissions have continued to decline decreasing 8.8 tons from the 2012 reported total. Benzene emissions peaked in 2006 and have trended downward with production at the County's two coke plants and with process improvements at these facilities. In 2013 they increased 2.5% or 11.51 tons mainly as a result of increased production at the Clairton Coke Work's Batteries reversing this trend. In 2013 benzene emissions totaled 51.82 tons. The Clairton Coke Works accounted for 52 % and Shenango 29% of all benzene emissions in the County. Xylene emissions peaked in 2002 and have varied within a range of 21 to 61 tons since but overall have trended downward only totaling 21.74 tons in 2013, a decrease of 19.9% from the previous year.

Section VI. Comparison - Emissions of the Cheswick Power Station and USS Clairton Coke Works to Total County Point Source Emissions.

The Cheswick Power Station is no longer the single largest point source emitter of criteria pollutants in Allegheny County. Graph 5 shows its contributions to total CO, PM₁₀, and VOCs is relatively small. Still in 2013 it accounted for 42.5% of nitrogen oxide point source emissions and 28.3% of sulfur dioxide emissions. Cheswick's continues to reduce sulfur dioxide emissions. In 2013 emissions of this pollutant declined an additional 11.8% reflecting the successful operation of the flue gas desulfurization equipment at the utility. But the NOx emissions from this source increased 18.9 % which is about half the increase between 2011 and 2012. The increase in NOx resulted from the facility reducing the operating hours of the SCR while remaining well under the hourly emission limit of 3051 lbs/hr. By comparison, the Clairton Coke Works generated 30% of the NOx and 27.4% of the sulfur dioxide emitted in the County in 2013. Emissions of all criteria pollutants from Clairton totaled 9111 tons while the Cheswick total was only 7464 tons, 18% less. The Clairton Coke Works accounted for 30.8 % of all criteria pollutants emitted in Allegheny County. The Cheswick Power Station accounted for 25.2% of all the criteria pollutants emitted in Allegheny County in 2013.

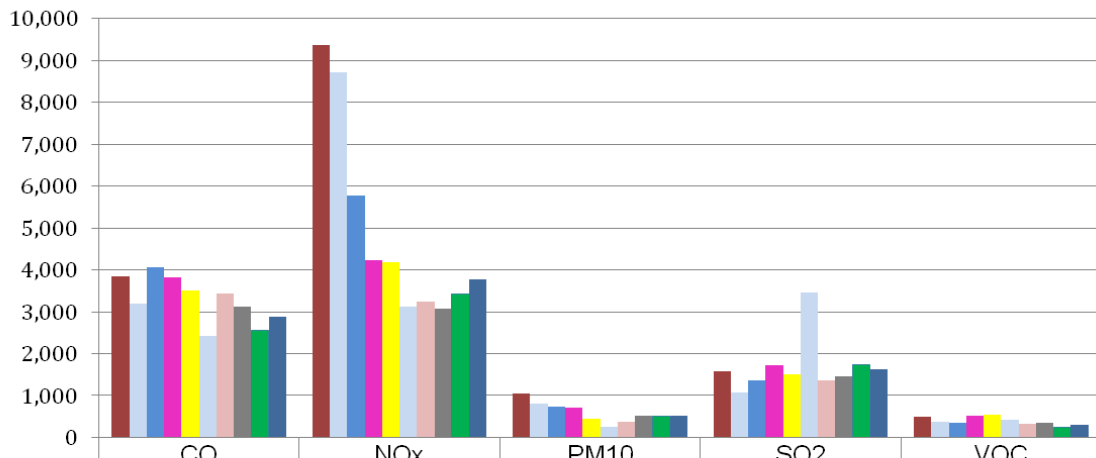
Graph 5 illustrates the trends of criteria emissions at the Cheswick Power Station from 1996 till 2013

Graph 5 - Criteria Emissions from Cheswick Power Station



Graph 5a illustrates the trends of criteria emissions from the USS Clairton Coke Works from 1997 till 2013

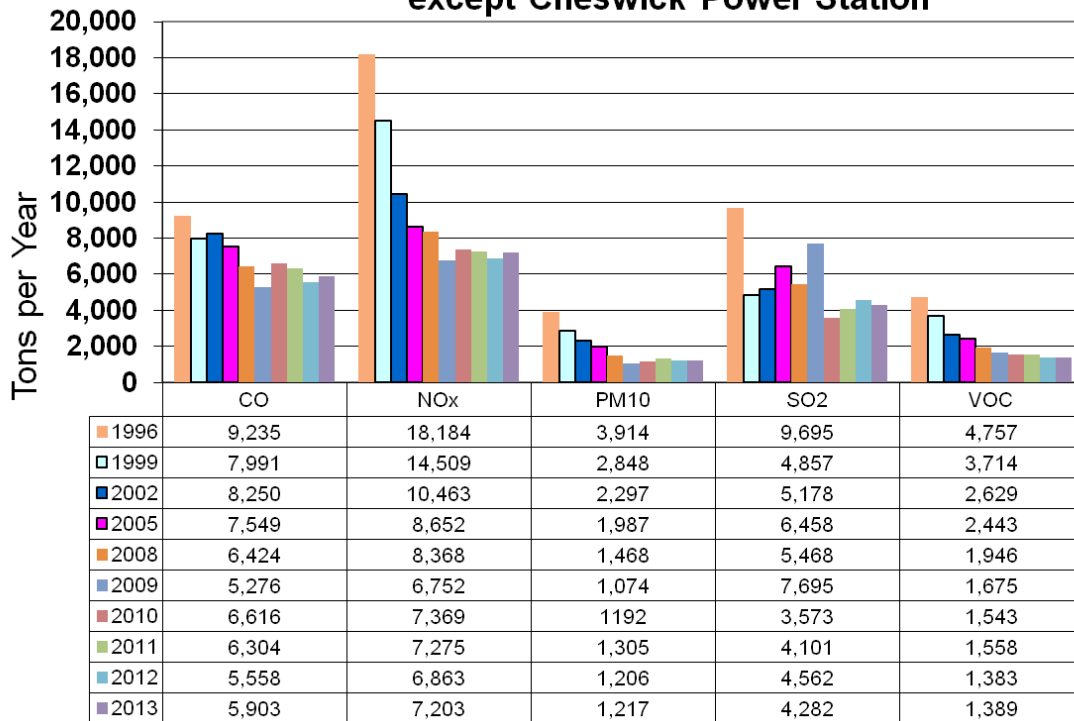
Graph 5a - Criteria Emissions USS Clairton Coke Works



| | CO | NOx | PM10 | SO2 | VOC |
|------|-------|-------|-------|-------|-----|
| 1997 | 3,845 | 9,363 | 1,058 | 1,582 | 482 |
| 1999 | 3,187 | 8,710 | 795 | 1,076 | 374 |
| 2002 | 4,051 | 5,764 | 741 | 1,356 | 353 |
| 2005 | 3,833 | 4,231 | 701 | 1,717 | 512 |
| 2008 | 3,498 | 4,177 | 441 | 1,502 | 552 |
| 2009 | 2,410 | 3,124 | 259 | 3,451 | 431 |
| 2010 | 3,430 | 3,249 | 370 | 1,350 | 317 |
| 2011 | 3,115 | 3,075 | 514 | 1,468 | 336 |
| 2012 | 2,549 | 3,427 | 501 | 1,738 | 249 |
| 2013 | 2,888 | 3,761 | 518 | 1,637 | 307 |

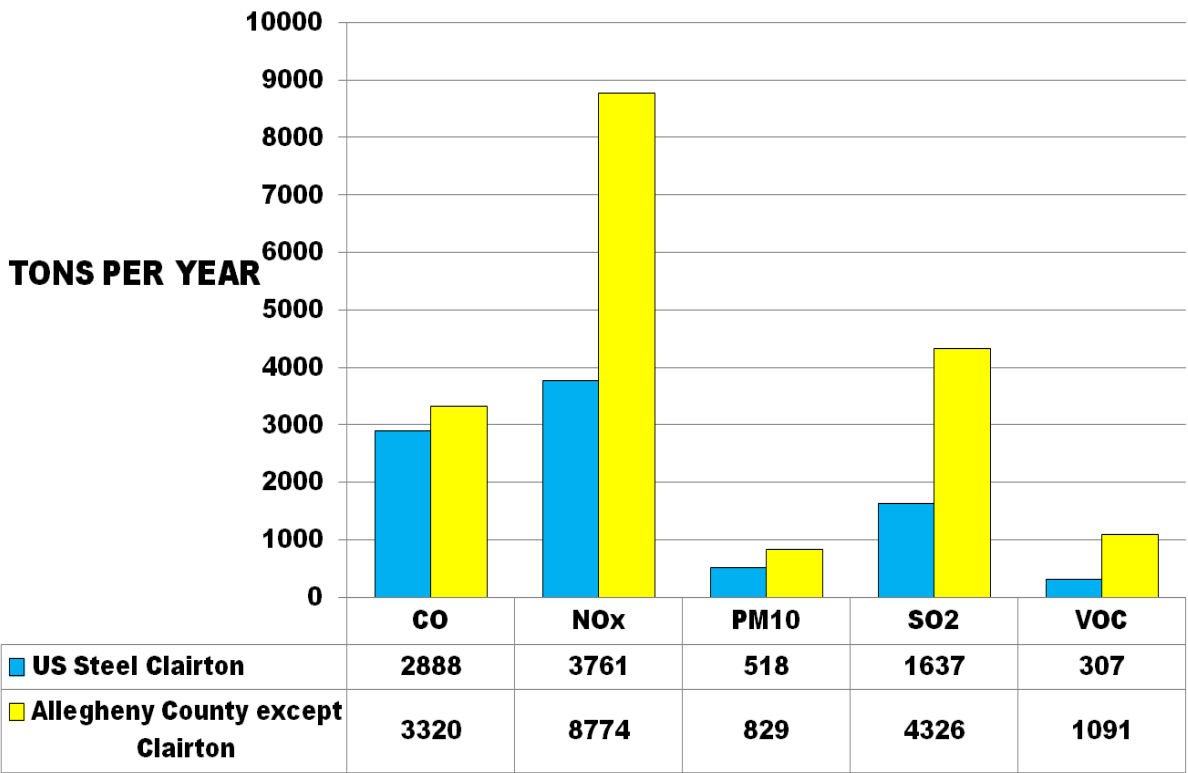
By comparison Graph 6 shows criteria emissions from all the other sources in the County for the same period.

Graph 6- Criteria Emissions from Point Sources in Allegheny County Pa, except Cheswick Power Station



Since the USS Clairton Coke Works is the largest source of criteria pollutants in Allegheny County, Graph 6a compares emissions in 2013 from this source to the total from the rest of the sources reporting emission in 2013.

**CHART 6a - COMPARISON CRITERIA EMISSIONS CLAIRTON
COKE WORKS TO REST OF COUNTY 2013**

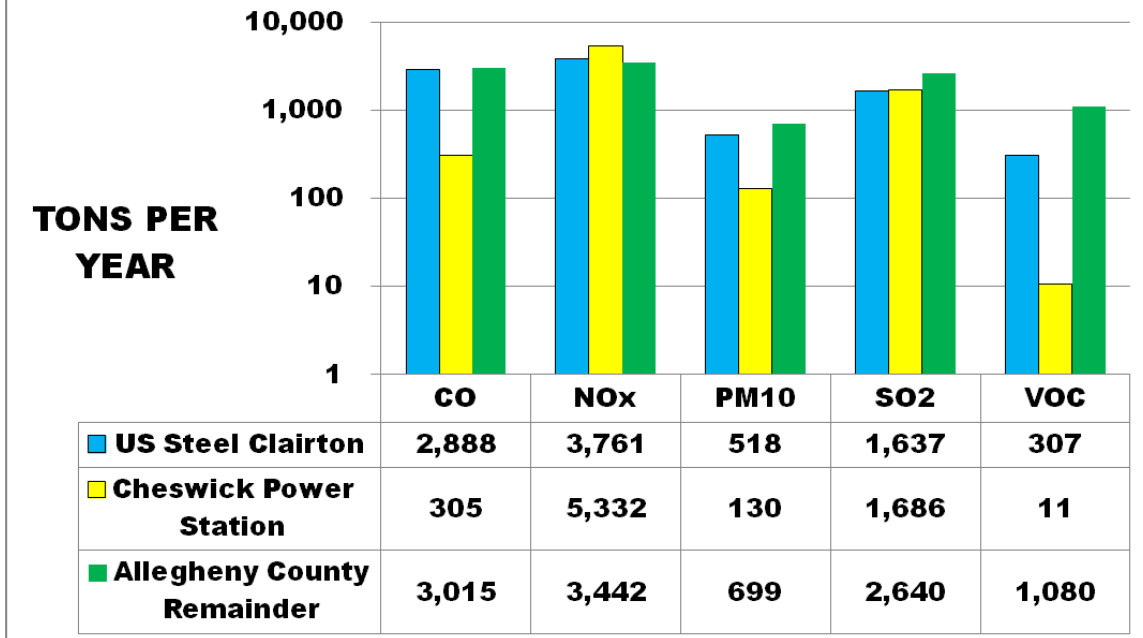


Clairton’s 2013 emissions accounted for the following percentages of the totals reported in the 2013 ACHD Air Quality Emission Inventory.

- CO - 46.5%
- NO_x - 30.0%
- PM₁₀ - 38.5%
- SO₂ - 27.5%
- VOC - 21.9%

Graph 6b compares criteria emissions in 2013 from the Clairton Coke Works to those from the Cheswick Power Station and the County Remainder

**GRAPH6b - COMPARISON 2013 CRITERIA
EMISSIONS CLAIRTON COKE WORKS AND
CHESWICK POWER STATION WITH COUNTY
REMAINDER**

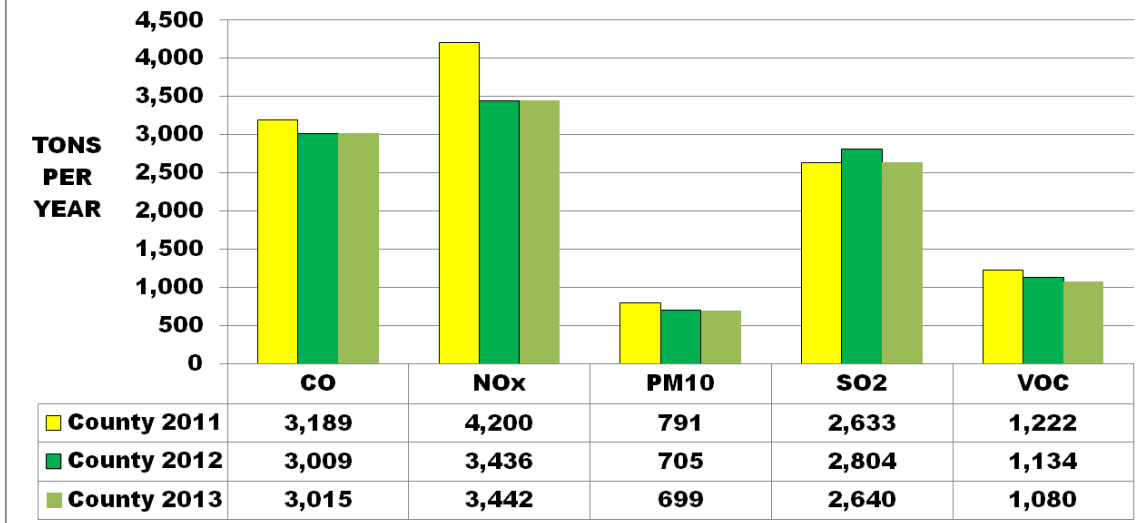


Graph 6b shows Cheswick’s emissions of NO_x exceeded Clairton’s by 41.8% and those of SO₂ by 3%. Cheswick’s NO_x emissions were 54.9% higher and emissions of sulfur dioxide 36.1% lower in 2013 than those of the rest of the County excluding Clairton. But emissions of carbon monoxide, volatile organic compounds and PM₁₀ from the Clairton Coke Works exceeded those from the Cheswick Power Station and were 95.8%, 28.4% and 74.1% respectively of emission from the other sources included in the inventory after excluding Cheswick.

Operations at Cheswick fluctuate with the demand for electricity, which is dependent on many economic factors. Demand for power from the plant no longer disproportionately determines the total level of pollution in the County. In 2013 both the Cheswick Power Plant and the USS Clairton Coke Works dominated emission levels in the County. Both plants generated 51.4 % of the carbon monoxide emitted, 72.5% of the NO_x, 48.1 % of the PM₁₀, 55.7% of the SO₂, and 22.7% of the VOCs. Emissions from both plants now mask the overall decline in the emissions of all criteria pollutants from the remainder of the sources located in Allegheny County.

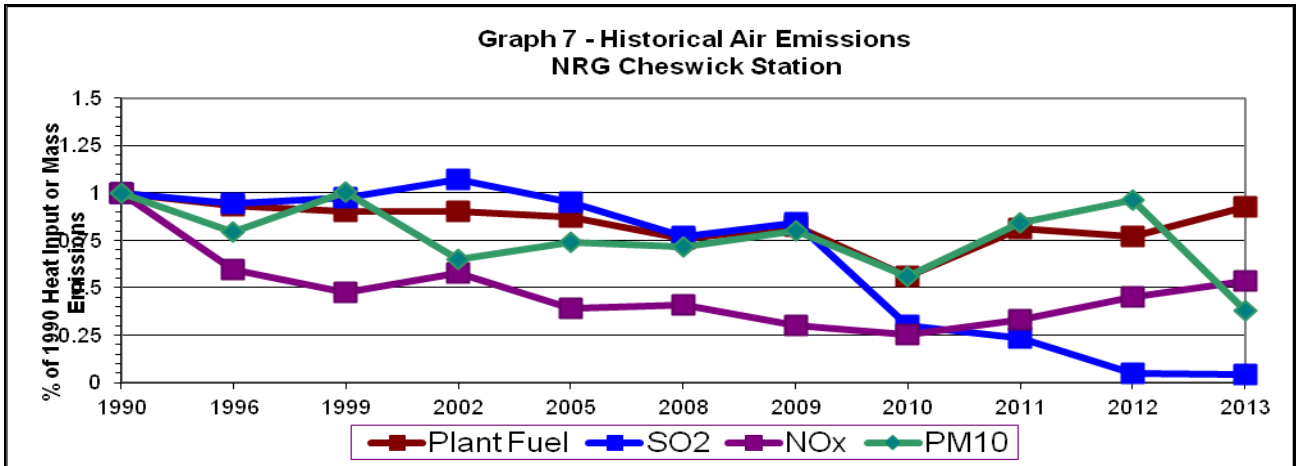
Graph 6c illustrates and compares the trend in emissions of criteria pollutants from the remainder of the sources in Allegheny County in 2011, 2012 and 2013.

**GRAPH 6C - TREND EMISSIONS CRITERIA POLLUTANTS
ALLEGHENY COUNTY EXCLUDING CHESWICK AND
CLAIRTON**



In 2009 emissions of SO₂ totaled nearly 41,000 tons. In 2013 the total was only 5,969 tons. Much of the decrease in sulfur dioxide levels can be attributed to the switch to natural gas from coal at Bellefield Boilers, improved and consistent operation of the flue gas desulfurization equipment at Cheswick and consistent operation of the desulfurization plant at Clairton. In addition, Bay Valley Foods is phasing out coal combustion. Decreases in sulfur dioxide emissions in 2013 at Bay Valley, Cheswick and Clairton accounted for 76% of the total decrease of 504.7 tons.

Graph 7 examines trends of emissions of criteria pollutants from the Cheswick Power Station as a function of production since 1990. The sulfur content of the coal burned in 2013 was 3.5%. In 2012 the sulfur content of the coal burned by Cheswick was 3.87%. Sulfur dioxide emissions per unit of energy consumed fell again between 2012 and 2013 by an additional 11.8%. The decrease in sulfur dioxide emissions between 2012 and 2013 can be directly attributed to operation of the plant's scrubber. The tons of coal burned increased 18.6% in 2013.



The installation of particulate and nitrogen oxide control equipment has contributed to the overall decline of emissions of these two pollutants since 1990. The installation of a Selective Catalytic Reduction System (SCR) in 2003 while reducing NO_x emissions increased particulate emission. In 2013 NO_x emissions increased 18.9% and PM10 emissions decreased 60.5%. The amount of coal burned while operating the SCR only totaled 10,990 tons or 0.9% of the total coal burned at this facility. Changes in emissions of these two pollutants correlates with the amount of coal burned while not operating the SCR.

Notes to the report:

1. Estimation of PM_{2.5} and condensable particulate (PMCOND) emissions started with the 1999 inventory year. PM and condensable particulate were not reported for 2011 or 2012. Reporting of these pollutants resumed in 2013.
2. Hydrogen sulfide is considered a pollutant in Allegheny County. Ammonia is a particulate precursor. Hydrogen sulfide is listed in the HAPS Table while ammonia is in a separate table. They are not among the 187 compounds designated HAPs by USEPA. Speciated compounds of very toxic HAPs such as hexavalent chromium and dioxin isomers are not specifically listed in ACHD Article XXI as HAPS, but are reported at de-minimus emission levels in the inventory.
3. Lead emissions are included in the HAPs tables.
4. Definitions of Emissions
 - 4.1. Filterable Particulate – Material emitted as liquid or solid at 248°F
 - 4.2. Condensable Particulate (PMCOND) – Material that is not filterable at 248°F and condenses when passed through water in an ice bath.
 - 4.3. Total Particulate (PT) – Filterable Particulate
 - 4.4. PM₁₀ - Filterable particulate with aerodynamic diameter less than 10 microns.
 - 4.5. PM_{2.5} - Filterable particulate with aerodynamic diameter less than 2.5 microns
 - 4.6. Volatile Organic Compounds (VOCs) – Organic material that is photo reactive and a gas at 250°F. It contributes to the formation of ozone.
5. The Attachment B lists yearly emissions of HAPs for each source from 1999 - 2013. HAP emissions were estimated prior to this, but results are believed to be less accurate.
6. The Bay Valley facility, formerly Heinz, is in the category Industrial Coal Fired Boiler.
7. Emission estimates for each facility are calculated each year. Estimates of previous years are not normally updated if emission factors or estimation techniques change for processes.

**Attachment A
Individual Facility Criteria Pollutant
Emissions**

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-------|-------|-------|-------|---------------------|----------------------|--------|-------------------|-------|------|--------|----------|--|
| 911 AIR LIFT WING, PITTSBURGH PIA/ARS 1100 Herman Ave Coraopolis, PA 15108 | 15108 | 2004 | 8.08 | 10.95 | 2.00 | 1.94 | 0.10 | 2.41 | 0.39 | | 1.89 | 9711 | NATIONAL SECURITY |
| | | 2005 | 12.45 | 17.46 | 2.98 | 2.66 | 0.00 | 4.86 | 0.93 | | 2.93 | | |
| | | 2006 | 9.75 | 24.39 | 4.56 | 4.23 | 0.10 | 6.40 | 1.30 | | 2.91 | | |
| | | 2007 | 10.05 | 24.14 | 4.65 | 4.27 | 0.10 | 6.74 | 1.28 | | 3.07 | | |
| | | 2008 | 12.30 | 28.59 | 5.50 | 4.87 | 0.10 | 8.89 | 1.51 | | 3.58 | | |
| | | 2009 | 11.38 | 22.74 | 5.04 | 4.43 | 0.10 | 8.40 | 1.35 | | 3.36 | | |
| | | 2010 | 18.10 | 31.80 | 8.40 | 3.71 | | | 1.80 | | 4.20 | | |
| | | 2011 | 9.95 | 27.24 | 16.24 | 16.24 | | | 1.93 | 0.00 | 3.30 | | |
| | | 2012 | 1.43 | 3.09 | 10.07 | 0.83 | | | 0.11 | 0.00 | 1.07 | | |
| | | 2013 | 5.14 | 17.09 | 12.31 | 9.68 | 0.47 | | 0.27 | 0.01 | 2.29 | | |
| ACN-PITTSBURGH, LLC 1011 Middlesex Road Pittsburgh, PA 15044 (NO LONGER OPERATING) | 15044 | 2000 | 1.35 | 2.29 | 4.99 | 4.96 | 0.08 | 8.52 | 0.05 | | 47.34 | 7699 | SERVICES - REPAIR SERVICES, NEC |
| | | 2001 | 1.22 | 1.97 | 4.90 | 3.33 | 0.08 | 8.46 | 0.03 | | 36.28 | | |
| | | 2002 | 1.28 | 2.17 | 5.55 | 2.51 | 0.08 | 9.92 | 0.12 | | 49.31 | | |
| | | 2003 | 1.49 | 2.59 | 7.42 | 3.45 | 0.09 | 14.16 | 0.13 | | 72.28 | | |
| | | 2004 | 1.76 | 3.07 | 6.52 | 3.69 | 0.11 | 12.86 | 0.17 | | 81.04 | | |
| | | 2005 | 1.88 | 3.62 | 6.76 | 1.17 | 0.11 | 20.10 | 0.31 | | 115.23 | | |
| | | 2006 | 1.79 | 3.25 | 6.52 | 5.43 | 0.12 | 15.30 | 0.19 | | 65.48 | | |
| | | 2007 | 1.79 | 3.11 | 8.72 | 7.80 | 0.11 | 14.76 | 0.05 | | 66.30 | | |
| | | 2008 | 1.65 | 2.97 | 8.58 | 7.60 | 0.10 | 14.91 | 0.06 | | 64.08 | | |
| | | 2009 | 1.43 | 2.53 | 7.28 | 6.50 | 0.09 | 12.43 | 0.05 | | 51.49 | | |
| | | 2010 | 1.70 | 3.00 | 8.10 | 7.15 | | | 0.10 | 0.06 | 39.80 | | |
| | | 2011 | 1.93 | 3.31 | 7.29 | 6.05 | | | 0.06 | 0.07 | 38.83 | | |
| 2012 | 1.35 | 2.35 | 4.90 | 4.31 | | | 0.04 | 0.05 | 27.02 | | | | |
| ALLEGHENY AGGREGATES, INC. FORMERLY HEIGHTS PLAZA MATERIALS, INC Springhill Road P.O. Box 315 Natrona Heights, PA 15065 | 15065 | 2000 | 1.87 | 8.63 | 6.42 | 1.80 | 0.61 | 25.30 | 0.57 | | 0.71 | 1442 | CONSTRUCTION SAND & GRAVEL |
| | | 2001 | 1.89 | 8.73 | 4.50 | 1.29 | 0.61 | 14.54 | 0.57 | | 0.71 | | |
| | | 2002 | 1.90 | 8.80 | 4.48 | 1.29 | 0.62 | 20.21 | 0.58 | | 0.72 | | |
| | | 2003 | 1.68 | 7.78 | 4.37 | 1.21 | 0.55 | 19.98 | 0.51 | | 0.64 | | |
| | | 2004 | 2.17 | 10.01 | 8.12 | 1.99 | 0.70 | 23.26 | 0.66 | | 0.82 | | |
| | | 2005 | 3.10 | 14.38 | 10.53 | 2.62 | 1.01 | 31.98 | 0.93 | | 1.15 | | |
| | | 2006 | 2.44 | 11.33 | 2.27 | 1.04 | 0.79 | 5.59 | 0.74 | | 0.91 | | |
| | | 2007 | 9.23 | 11.03 | 0.21 | 0.21 | 0.63 | 0.21 | 0.14 | | 0.75 | | |
| | | 2008 | 2.07 | 9.61 | 1.47 | 0.76 | 0.67 | 3.17 | 0.62 | | 0.77 | | |
| | | 2009 | 1.22 | 5.62 | 9.29 | 1.34 | 0.39 | 28.20 | 0.36 | | 0.45 | | |
| | | 2010 | 1.40 | 6.50 | 10.80 | 1.55 | | | 0.40 | | 0.50 | | |
| | | 2011 | 2.12 | 9.84 | 8.21 | 1.48 | | | 0.64 | 0.00 | 0.79 | | |
| | | 2012 | 0.98 | 4.51 | 1.64 | 0.45 | | | 0.29 | 0.00 | 0.36 | | |
| 2013 | 0.12 | 0.52 | 0.28 | 0.07 | 0.04 | | 0.03 | 0.00 | 0.04 | | | | |
| ALLEGHENY COUNTY AIRPORT AUTHORITY 4th Fl. Mezzanine Level, Landside Terminal Pittsburgh, PA 15231-0370 | 15231 | 2000 | 7.51 | 8.94 | 0.17 | 0.17 | 0.51 | 0.68 | 0.05 | | 0.49 | 4581 | AIRPORTS, FLYING FIELDS, & SERVICES |
| | | 2001 | 13.03 | 15.51 | 0.29 | 0.29 | 0.88 | 0.29 | 0.09 | | 8.23 | | |
| | | 2002 | 7.52 | 9.15 | 0.18 | 0.17 | 0.51 | 0.18 | 0.05 | | 15.31 | | |
| | | 2003 | 8.41 | 10.33 | 0.20 | 0.19 | 0.57 | 0.20 | 0.06 | | 19.49 | | |
| | | 2004 | 8.59 | 10.62 | 0.21 | 0.21 | 0.58 | 0.21 | 0.06 | | 18.53 | | |
| | | 2005 | 8.79 | 11.02 | 0.22 | 0.22 | 0.59 | 0.22 | 0.07 | | 14.93 | | |
| | | 2006 | 8.27 | 10.30 | 0.20 | 0.20 | 0.56 | 0.20 | 0.06 | | 12.53 | | |
| | | 2007 | 8.23 | 10.23 | 0.20 | 0.20 | 0.55 | 0.20 | 0.06 | | 12.66 | | |
| | | 2008 | 8.32 | 10.26 | 0.20 | 0.20 | 0.56 | 0.20 | 0.06 | | 12.09 | | |
| | | 2009 | 8.48 | 10.62 | 0.21 | 0.21 | 0.58 | 0.21 | 0.07 | | 11.27 | | |
| | | 2010 | 8.40 | 10.50 | 3.50 | 3.22 | | | 0.10 | | 23.20 | | |
| | | 2011 | 10.46 | 12.79 | 3.33 | 3.09 | | | 0.09 | 0.00 | 27.74 | | |
| | | 2012 | 7.05 | 8.65 | 3.67 | 3.45 | | | 0.06 | 0.00 | 23.30 | | |
| 2013 | 8.37 | 10.40 | 2.89 | 2.63 | 0.56 | | 0.06 | | 21.02 | | | | |
| ALLEGHENY COUNTY SANITARY AUTHORITY 3300 Preble Avenue Pittsburgh, PA 15233-1092 | 15233 | 2000 | 17.68 | 5.66 | 1.24 | 0.81 | 0.95 | 5.00 | 15.97 | | 21.33 | 4952 | SEWERAGE SYSTEMS |
| | | 2001 | 20.49 | 6.00 | 1.25 | 0.81 | 1.10 | 5.28 | 19.08 | | 16.61 | | |
| | | 2002 | 22.31 | 7.00 | 1.26 | 0.83 | 1.21 | 5.42 | 20.30 | | 16.67 | | |
| | | 2003 | 21.02 | 6.94 | 1.27 | 0.83 | 1.14 | 5.29 | 18.90 | | 16.66 | | |
| | | 2004 | 0.74 | 4.26 | 1.21 | 0.79 | 0.73 | 4.65 | 12.35 | | 16.16 | | |
| | | 2005 | 14.19 | 4.21 | 1.25 | 0.81 | 0.16 | 5.41 | 13.16 | | 16.57 | | |
| | | 2006 | 2.61 | 5.48 | 6.45 | 1.60 | 0.99 | 31.81 | 17.13 | | 14.88 | | |
| | | 2007 | 19.62 | 6.43 | 2.63 | 1.10 | 0.73 | 11.43 | 17.57 | | 15.29 | | |
| | | 2008 | 1.43 | 5.67 | 1.88 | 0.99 | 0.95 | 7.93 | 15.92 | | 13.52 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A: Point Source Criteria Air Emissions Report 2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-------|------|--------|--------|---------------------|----------------------|--------|-------------------|-------|-------|--------|----------|---|
| | | 2009 | 2.55 | 6.06 | 2.06 | 0.94 | 1.05 | 9.00 | 17.78 | | 11.95 | | |
| | | 2010 | 5.30 | 45.50 | 0.20 | 0.12 | | | 0.60 | | 11.70 | | |
| | | 2011 | 7.07 | 74.65 | 0.27 | 0.12 | | | 1.02 | 0.00 | 11.97 | | |
| | | 2012 | 7.84 | 72.41 | 1.10 | 0.17 | | | 1.00 | 0.00 | 11.15 | | |
| | | 2013 | 5.05 | 73.19 | 1.09 | 0.17 | 0.79 | | 1.01 | | 11.96 | | |
| ALLEGHENY ENERGY SUPPLY - SPRINGDALE CGT Butler Street ext Springdale, PA 15144 | 15144 | 2000 | 12.78 | 12.36 | 0.33 | 0.16 | 0.82 | 0.33 | 0.59 | | 0.37 | 4911 | ELECTRIC SERVICES |
| | | 2001 | 14.12 | 13.64 | 0.36 | 0.36 | 0.90 | 0.36 | 0.65 | | 0.39 | | |
| | | 2002 | 24.25 | 23.30 | 0.63 | 0.63 | 0.00 | 0.63 | 0.01 | | 0.69 | | |
| | | 2003 | 57.21 | 61.01 | 5.45 | 5.45 | 4.16 | 5.45 | 0.52 | | 22.04 | | |
| | | 2004 | 158.16 | 60.70 | 10.72 | 10.72 | 9.68 | 10.72 | 1.21 | | 16.74 | | |
| | | 2005 | 60.35 | 51.40 | 6.61 | 6.61 | 5.24 | 6.61 | 0.67 | | 11.64 | | |
| | | 2006 | 23.82 | 27.10 | 5.18 | 5.18 | 4.65 | 5.18 | 0.59 | | 10.57 | | |
| | | 2007 | 354.30 | 69.16 | 11.05 | 11.05 | 12.60 | 11.05 | 1.57 | | 25.31 | | |
| | | 2008 | 99.34 | 22.10 | 3.01 | 3.01 | 3.22 | 3.01 | 0.40 | | 8.59 | | |
| | | 2009 | 140.99 | 38.24 | 10.95 | 10.95 | 11.91 | 10.95 | 1.50 | | 13.54 | | |
| | | 2010 | 251.50 | 61.40 | 13.10 | 9.32 | | | 1.80 | 21.00 | 23.60 | | |
| | | 2011 | 183.91 | 40.07 | 9.74 | 9.32 | | | 1.28 | 14.17 | 15.49 | | |
| | | 2012 | 106.32 | 108.40 | 23.30 | 12.38 | | | 6.65 | 79.30 | 16.56 | | |
| | | 2013 | 100.08 | 125.20 | 26.85 | 14.48 | 272.10 | | 7.49 | 92.29 | 24.71 | | |
| ALLEGHENY LUDLUM CORP 100 River Rd. Brackenridge, PA 15014 | 15014 | 2000 | 671.19 | 375.23 | 333.61 | 264.68 | 100.35 | 445.18 | 39.31 | | 160.13 | 3312 | BLAST FURNACES & STEEL MILLS |
| | | 2001 | 628.81 | 323.96 | 265.20 | 210.92 | 86.07 | 342.05 | 36.99 | | 134.18 | | |
| | | 2002 | 603.04 | 351.61 | 266.42 | 204.00 | 56.74 | 353.75 | 40.38 | | 135.36 | | |
| | | 2003 | 630.15 | 332.00 | 256.32 | 211.22 | 64.12 | 331.64 | 37.68 | | 132.21 | | |
| | | 2004 | 384.55 | 394.99 | 251.17 | 208.86 | 78.39 | 326.52 | 62.96 | | 139.40 | | |
| | | 2005 | 227.16 | 276.97 | 216.18 | 177.71 | 55.14 | 289.51 | 48.07 | | 108.02 | | |
| | | 2006 | 264.84 | 336.26 | 298.71 | 230.74 | 90.85 | 380.15 | 53.64 | | 96.12 | | |
| | | 2007 | 196.57 | 246.26 | 259.74 | 205.43 | 68.62 | 330.92 | 37.03 | | 73.21 | | |
| | | 2008 | 203.89 | 227.12 | 262.45 | 205.69 | 71.37 | 373.47 | 36.23 | | 72.31 | | |
| | | 2009 | 288.59 | 228.76 | 238.90 | 190.01 | 65.28 | 353.25 | 66.57 | | 103.54 | | |
| | | 2010 | 272.20 | 249.20 | 160.90 | 120.27 | | | 58.20 | 4.54 | 97.90 | | |
| | | 2011 | 383.89 | 254.59 | 132.01 | 106.11 | | | 32.65 | 4.33 | 61.59 | | |
| | | 2012 | 371.73 | 232.86 | 129.01 | 100.62 | | | 31.79 | 4.03 | 58.96 | | |
| | | 2013 | 361.46 | 221.90 | 125.48 | 93.18 | 77.49 | | 31.05 | 3.85 | 57.39 | | |
| ALLE-KISKI MEDICAL CENTER FORMERLY ALLEGHENY VALLEY HOSPITAL 1301 Carlisle Street Natrona Heights, PA 15065 | 15065 | 2000 | 2.58 | 3.07 | 0.06 | 0.06 | 0.18 | 0.06 | 0.02 | | 0.32 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 0.60 | 1.97 | 0.14 | 0.04 | 0.01 | 0.43 | 6.36 | | 0.18 | | |
| | | 2002 | 0.60 | 2.04 | 0.14 | 0.03 | 0.01 | 0.43 | 6.36 | | 0.17 | | |
| | | 2003 | 5.59 | 6.65 | 0.18 | 0.14 | 0.38 | 0.38 | 0.04 | | 0.52 | | |
| | | 2004 | 6.51 | 7.75 | 0.15 | 0.15 | 0.44 | 0.15 | 0.06 | | 0.83 | | |
| | | 2005 | 6.71 | 8.00 | 0.15 | 0.15 | 0.46 | 0.15 | 0.07 | | 0.91 | | |
| | | 2006 | 8.74 | 10.44 | 0.20 | 0.20 | 0.59 | 0.20 | 0.14 | | 0.90 | | |
| | | 2007 | 9.23 | 11.03 | 0.21 | 0.21 | 0.63 | 0.21 | 0.14 | | 0.75 | | |
| | | 2008 | 7.92 | 9.46 | 0.18 | 0.18 | 0.54 | 0.18 | 0.12 | | 0.57 | | |
| | | 2009 | 8.36 | 10.47 | 0.20 | 0.20 | 0.56 | 0.21 | 0.09 | | 0.58 | | |
| | | 2010 | 6.60 | 8.50 | 0.20 | 0.17 | | | 0.10 | 0.34 | 0.50 | | |
| | | 2011 | 2.16 | 2.95 | 0.06 | 0.06 | | | 0.04 | 0.01 | 0.18 | | |
| | | 2012 | 2.53 | 3.54 | 0.06 | 0.06 | | | 0.05 | 0.01 | 0.37 | | |
| | | 2013 | 2.59 | 3.64 | 0.06 | 0.06 | 0.17 | | 0.06 | 0.01 | 0.44 | | |
| ALLIED WASTE SERVICES OF PENNSYLVANIA 11 Boggs Road Imperial, PA 15126 | 15126 | 2000 | 280.77 | 58.32 | 58.23 | 18.81 | 3.75 | 107.35 | 8.01 | | 35.32 | 4953 | REFUSE SYSTEMS |
| | | 2001 | 13.77 | 56.24 | 86.21 | 19.86 | 0.00 | 207.21 | 15.98 | | 10.84 | | |
| | | 2002 | 16.48 | 68.32 | 92.13 | 25.87 | 0.00 | 224.09 | 19.18 | | 11.00 | | |
| | | 2003 | 15.94 | 66.15 | 85.30 | 50.93 | 0.00 | 254.80 | 18.54 | | 10.60 | | |
| | | 2004 | 17.86 | 74.68 | 93.43 | 55.41 | 0.00 | 262.19 | 21.36 | | 12.58 | | |
| | | 2005 | 18.42 | 75.71 | 86.72 | 56.53 | 3.41 | 232.28 | 14.33 | | 13.51 | | |
| | | 2006 | 13.79 | 71.05 | 61.43 | 61.30 | 8.99 | 137.02 | 12.28 | | 13.13 | | |
| | | 2007 | 12.41 | 63.07 | 37.02 | 36.15 | 6.41 | 74.00 | 8.76 | | 7.24 | | |
| | | 2008 | 12.75 | 66.57 | 45.81 | 33.58 | 8.39 | 97.60 | 11.46 | | 26.15 | | |
| | | 2009 | 12.84 | 68.33 | 44.66 | 34.88 | 8.44 | 92.66 | 11.61 | | 17.04 | | |
| | | 2010 | 11.80 | 67.70 | 72.60 | 62.71 | | | 11.30 | | 16.90 | | |
| | | 2011 | 19.12 | 75.75 | 67.91 | 57.63 | | | 18.51 | 0.00 | 12.34 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION | |
|--|-------|-------|--------|-------|---------------------|----------------------|--------|-------------------|-------|------|--------|----------|---|--|
| | | 2012 | 8.81 | 28.08 | 55.59 | 40.04 | | | 15.41 | 0.02 | 8.45 | | | |
| | | 2013 | 19.06 | 77.07 | 56.82 | 41.23 | 3.83 | | 18.93 | 0.25 | 13.37 | | | |
| ALMATIS LEETSDALE FORMERLY NEVILLE PULVERIZED LIME 501 West Park Road Leetsdale, PA 15056 | 15056 | 2000 | 0.21 | 0.96 | 14.13 | 0.42 | 0.00 | 21.18 | 0.06 | | 0.07 | 3295 | MINERALS, GROUND OR TREATED | |
| | | 2001 | 0.25 | 1.17 | 3.75 | 0.37 | 0.00 | 9.80 | 0.08 | | 0.10 | | | |
| | | 2002 | 0.25 | 1.18 | 4.12 | 4.12 | 0.00 | 10.71 | 0.08 | | 0.09 | | | |
| | | 2003 | 0.31 | 1.46 | 4.29 | 4.29 | 0.00 | 11.12 | 0.10 | | 0.11 | | | |
| | | 2004 | 0.41 | 1.94 | 5.68 | 5.68 | 0.00 | 14.73 | 0.13 | | 0.14 | | | |
| | | 2005 | 0.40 | 1.87 | 5.78 | 5.78 | 0.00 | 15.00 | 0.12 | | 0.14 | | | |
| | | 2006 | 0.40 | 1.87 | 7.87 | 7.87 | 0.00 | 20.49 | 0.12 | | 0.14 | | | |
| | | 2007 | 0.44 | 2.03 | 8.29 | 8.29 | 0.00 | 21.59 | 0.13 | | 0.15 | | | |
| | | 2008 | 0.27 | 1.26 | 6.83 | 6.83 | 0.00 | 17.82 | 0.08 | | 0.09 | | | |
| | | 2009 | 0.44 | 2.05 | 4.78 | 4.78 | 0.00 | 12.35 | 0.14 | | 0.15 | | | |
| | | 2010 | 0.20 | 0.90 | 5.50 | 5.53 | | | 0.10 | | 0.10 | | | |
| | | 2011 | 0.05 | 0.22 | 4.87 | 4.29 | | | 0.01 | | 0.00 | 0.02 | | |
| | | 2012 | 0.03 | 0.15 | 4.70 | 4.14 | | | 0.01 | | 0.00 | 0.01 | | |
| 2013 | | | 4.39 | 4.39 | | | | | | | | | | |
| AMERICAN BRIDGE MANUFACTURING 2000 American Bridge Way Coraopolis, PA 15108 | 15108 | 2001 | 0.82 | 2.71 | 14.51 | 1.44 | 0.19 | 37.36 | 0.12 | | 26.07 | 3441 | FABRICATED STRUCTURAL METAL | |
| | | 2002 | 0.93 | 2.84 | 2.54 | 0.57 | 0.19 | 8.66 | 0.13 | | 7.72 | | | |
| | | 2003 | 1.00 | 3.13 | 4.46 | 4.46 | 0.22 | 30.26 | 0.14 | | 11.67 | | | |
| | | 2004 | 1.08 | 3.22 | 4.56 | 4.56 | 0.22 | 25.27 | 0.14 | | 9.64 | | | |
| | | 2005 | 0.24 | 1.12 | 5.04 | 5.04 | 0.08 | 32.66 | 0.07 | | 11.79 | | | |
| | | 2006 | 0.86 | 3.06 | 3.59 | 1.15 | 0.21 | 12.54 | 0.18 | | 15.54 | | | |
| | | 2007 | 2.16 | 9.26 | 4.48 | 4.48 | 0.66 | 18.07 | 0.59 | | 9.52 | | | |
| | | 2008 | 1.72 | 7.00 | 7.45 | 7.40 | 0.48 | 24.65 | 0.35 | | 6.42 | | | |
| | | 2009 | 1.72 | 7.38 | 8.20 | 5.94 | 0.51 | 23.21 | 0.47 | | 17.70 | | | |
| | | 2010 | 1.50 | 6.00 | 5.80 | 5.79 | | | 0.40 | 0.01 | 15.80 | | | |
| | | 2011 | 1.05 | 4.38 | 6.24 | 5.42 | | | 0.22 | 0.01 | 14.14 | | | |
| | | 2012 | 1.22 | 5.21 | 5.46 | 5.11 | | | 0.26 | 0.01 | 12.35 | | | |
| | | 2013 | 1.40 | 5.83 | 4.78 | 4.51 | 0.01 | | 0.29 | 0.01 | 9.48 | | | |
| ASHLAND SPECIALTY CHEMICAL CO 2650 Neville Road Pittsburgh, PA 15225 | 15225 | 2000 | 554.27 | 35.79 | 2.66 | 2.02 | 0.03 | 6.41 | 4.18 | | 127.44 | 2821 | MANUFACTURING - PLASTICS MATERIALS AND RESINS | |
| | | 2001 | 367.48 | 34.27 | 1.82 | 1.74 | 1.13 | 2.25 | 4.33 | | 93.99 | | | |
| | | 2002 | 171.04 | 46.99 | 2.23 | 1.93 | 1.58 | 3.88 | 0.22 | | 12.48 | | | |
| | | 2003 | 162.91 | 45.16 | 1.90 | 1.86 | 1.50 | 2.23 | 0.21 | | 17.96 | | | |
| | | 2004 | 35.21 | 33.80 | 1.87 | 1.83 | 1.46 | 2.09 | 0.53 | | 17.54 | | | |
| | | 2005 | 34.64 | 29.45 | 1.83 | 1.76 | 1.23 | 2.18 | 0.50 | | 17.52 | | | |
| | | 2006 | 45.69 | 31.09 | 1.88 | 1.84 | 1.25 | 2.10 | 0.19 | | 16.27 | | | |
| | | 2007 | 36.56 | 18.61 | 0.69 | 0.62 | 0.68 | 1.03 | 0.09 | | 17.27 | | | |
| | | 2008 | 17.58 | 7.89 | 0.45 | 0.41 | 0.28 | 0.63 | 0.09 | | 12.94 | | | |
| | | 2009 | 15.26 | 9.52 | 1.39 | 1.28 | 0.18 | 1.57 | 0.06 | | 11.10 | | | |
| | | 2010 | 6.40 | 10.70 | 2.10 | 1.78 | | | 0.10 | 0.10 | 10.3 | | | |
| | | 2011 | 7.75 | 11.48 | 1.84 | 1.44 | | | 0.07 | 0.20 | 9.83 | | | |
| | | 2012 | 5.68 | 11.19 | 1.90 | 1.51 | | | 0.06 | 0.19 | 10.80 | | | |
| 2013 | 5.87 | 12.87 | 2.03 | 1.99 | 0.95 | | 0.05 | 0.34 | 9.74 | | | | | |
| ASHLAND TERMINALS (formerly Sunoco Chemicals) 200 Neville Road Pittsburgh, Pa. 15225 (Source no longer required to submit emissions inventory) | 15225 | 2000 | 18.49 | 2.87 | 3.26 | 3.00 | 0.03 | 4.72 | 0.03 | | 16.02 | 2869 | INDUSTRIAL ORGANIC CHEMICALS | |
| | | 2001 | 0.05 | 0.00 | 2.56 | 0.24 | 0.00 | 2.60 | 0.00 | | 8.01 | | | |
| | | 2002 | 4.01 | 0.10 | 0.60 | 0.53 | 0.00 | 0.96 | 0.01 | | 12.11 | | | |
| | | 2003 | 7.64 | 0.20 | 2.71 | 2.64 | 0.00 | 3.10 | 0.01 | | 11.00 | | | |
| | | 2004 | 8.74 | 0.23 | 2.49 | 2.48 | 0.00 | 2.51 | 0.01 | | 29.72 | | | |
| | | 2005 | 3.72 | 0.10 | 2.43 | 2.37 | 0.00 | 2.73 | 0.00 | | 29.64 | | | |
| | | 2006 | 0.07 | 0.19 | 1.63 | 1.59 | 0.00 | 1.86 | 0.01 | | 36.32 | | | |
| | | 2007 | 0.02 | 0.05 | 0.57 | 0.56 | 0.00 | 0.64 | 0.00 | | 7.08 | | | |
| | | 2008 | 0.02 | 0.05 | 0.09 | 0.08 | 0.00 | 0.15 | 0.00 | | 0.59 | | | |
| | | 2009 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | | 0.28 | | | |
| | | 2010 | 0.00 | 0.00 | 0.07 | 0.07 | | | | | 0.27 | | | |
| | | 2011 | 0.00 | 0.00 | 0.05 | 0.05 | | | 0.00 | 0.00 | 0.26 | | | |
| | | 2012 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 | | | |
| BASIC CARBIDE | 15018 | 2008 | 0.93 | 1.11 | 0.02 | 0.02 | 0.06 | 0.02 | 0.01 | | 16.46 | 3999 | MISC. MFG INDUSTRIES | |

Allegheny County Health Department
Air Quality Program

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Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-------|--------|--------|--------|---------------------|----------------------|--------|-------------------|--------|------|-------|----------|---|
| 900 Blythedale Road Buena Vista, PA 15018 | | 2009 | 0.76 | 0.90 | 0.02 | 0.02 | 0.05 | 0.02 | 0.01 | | 11.11 | | |
| | | 2010 | 3.50 | 4.60 | 0.40 | 0.02 | | | 0.10 | 0.00 | 1.90 | | |
| | | 2011 | 0.11 | 0.11 | 0.02 | 0.02 | | | 0.00 | 0.00 | 22.91 | | |
| | | 2012 | 0.09 | 0.10 | 0.01 | 0.01 | | | 0.00 | 0.00 | 26.81 | | |
| | | 2013 | 0.11 | 0.12 | 0.01 | 0.01 | 0.01 | | 0.00 | 0.00 | 23.30 | | |
| BAY VALLEY FOODS, LLC MERLY DLM FOODS & HEINZ 1080 River Ave. Pittsburgh, PA 15212 | 15212 | 2000 | 158.15 | 301.33 | 86.01 | 16.75 | 1.18 | 130.50 | 692.40 | | 32.37 | 2032 | CANNED SPECIALTIES |
| | | 2001 | 142.10 | 267.32 | 74.90 | 13.89 | 1.12 | 114.10 | 617.15 | | 10.04 | | |
| | | 2002 | 146.18 | 214.48 | 82.13 | 20.85 | 1.15 | 144.83 | 626.47 | | 6.27 | | |
| | | 2003 | 145.89 | 215.62 | 80.37 | 20.87 | 1.14 | 141.26 | 622.86 | | 5.68 | | |
| | | 2004 | 142.10 | 208.25 | 65.10 | 51.43 | 24.33 | 116.37 | 598.64 | | 7.66 | | |
| | | 2005 | 131.89 | 193.92 | 55.71 | 44.39 | 21.85 | 98.24 | 542.31 | | 4.76 | | |
| | | 2006 | 130.89 | 191.91 | 52.25 | 41.16 | 21.49 | 93.86 | 537.81 | | 4.75 | | |
| | | 2007 | 49.56 | 208.13 | 50.19 | 39.51 | 20.58 | 85.53 | 543.08 | | 4.09 | | |
| | | 2008 | 46.65 | 184.78 | 46.23 | 36.29 | 18.20 | 79.22 | 487.40 | | 4.79 | | |
| | | 2009 | 113.33 | 240.51 | 33.94 | 26.07 | 18.56 | 90.23 | 960.39 | | 13.38 | | |
| | | 2010 | 114.60 | 137.50 | 20.00 | 20.00 | | | 289.00 | | 2.20 | | |
| | | 2011 | 42.80 | 211.59 | 1.46 | 0.62 | | | 313.17 | 0.00 | 1.33 | | |
| | | 2012 | 93.59 | 152.73 | 1.66 | 1.61 | | | 268.22 | 0.45 | 1.62 | | |
| 2013 | 88.69 | 145.04 | 1.60 | 1.55 | 3.89 | | 208.80 | 0.55 | 1.87 | | | | |
| BELLEFIELD BOILER PLANT 4400 Forbes Avenue Pittsburgh, PA 15213 | 15213 | 2000 | 157.44 | 197.64 | 69.06 | 7.72 | 2.90 | 138.01 | 601.16 | | 3.66 | 4961 | STEAM SUPPLY |
| | | 2001 | 162.96 | 188.32 | 76.69 | 8.83 | 2.41 | 148.21 | 732.63 | | 3.63 | | |
| | | 2002 | 176.10 | 197.30 | 80.30 | 16.39 | 2.61 | 158.51 | 722.02 | | 4.03 | | |
| | | 2003 | 180.31 | 286.53 | 65.17 | 18.14 | 2.87 | 131.89 | 779.69 | | 3.25 | | |
| | | 2004 | 172.78 | 272.02 | 53.22 | 32.08 | 27.84 | 116.72 | 760.03 | | 2.72 | | |
| | | 2005 | 170.50 | 256.30 | 56.26 | 35.62 | 26.20 | 116.06 | 694.76 | | 3.45 | | |
| | | 2006 | 22.90 | 239.86 | 80.34 | 53.61 | 25.51 | 160.12 | 699.02 | | 3.38 | | |
| | | 2007 | 27.46 | 253.86 | 80.87 | 50.32 | 27.47 | 169.07 | 707.46 | | 3.30 | | |
| | | 2008 | 12.02 | 294.59 | 150.43 | 101.38 | 30.22 | 298.95 | 795.07 | | 4.02 | | |
| | | 2009 | 21.43 | 200.78 | 42.00 | 29.19 | 17.51 | 87.37 | 360.53 | | 4.37 | | |
| | | 2010 | 36.60 | 82.70 | 1.30 | 1.27 | | | 0.40 | 0.33 | 3.70 | | |
| | | 2011 | 35.08 | 77.08 | 1.18 | 1.18 | | | 0.38 | 0.30 | 3.41 | | |
| | | 2012 | 6.38 | 62.58 | 1.08 | 1.08 | | | 0.34 | 0.28 | 3.13 | | |
| 2013 | 6.92 | 66.72 | 1.15 | 1.15 | 3.44 | | 0.36 | 0.30 | 3.32 | | | | |
| BETTIS ATOMIC POWER LABORATORY 14 Pittsburgh McKeesport Blvd. Pittsburgh, PA 15122 | 15122 | 2000 | 5.41 | 6.92 | 0.13 | 0.12 | 0.35 | 0.14 | 0.19 | | 0.81 | 8731 | COMMERCIAL PHYSICAL RESEARCH |
| | | 2001 | 3.34 | 4.65 | 0.12 | 0.10 | 0.20 | 0.19 | 0.06 | | 1.00 | | |
| | | 2002 | 4.57 | 5.87 | 0.11 | 0.11 | 0.29 | 0.13 | 0.04 | | 0.85 | | |
| | | 2003 | 3.74 | 4.87 | 0.09 | 0.08 | 0.23 | 0.11 | 0.05 | | 0.67 | | |
| | | 2004 | 3.98 | 5.37 | 0.13 | 0.13 | 0.25 | 0.15 | 0.05 | | 0.78 | | |
| | | 2005 | 3.49 | 4.86 | 0.13 | 0.12 | 0.21 | 0.15 | 0.05 | | 0.51 | | |
| | | 2006 | 2.75 | 3.85 | 0.10 | 0.10 | 0.16 | 0.12 | 0.04 | | 0.41 | | |
| | | 2007 | 3.40 | 4.59 | 0.11 | 0.11 | 0.21 | 0.13 | 0.13 | | 0.52 | | |
| | | 2008 | 3.56 | 4.71 | 0.11 | 0.11 | 0.22 | 0.13 | 0.04 | | 0.53 | | |
| | | 2009 | 3.15 | 4.51 | 0.13 | 0.12 | 0.19 | 0.15 | 0.06 | | 0.48 | | |
| | | 2010 | 3.10 | 4.00 | 0.10 | 0.09 | | | 0.00 | 0.02 | 0.40 | | |
| | | 2011 | 3.35 | 4.73 | 0.12 | 0.12 | | | 0.05 | 0.02 | 0.43 | | |
| | | 2012 | 2.90 | 4.08 | 0.10 | 0.10 | | | 0.04 | 0.01 | 0.50 | | |
| 2013 | 2.99 | 3.89 | 0.10 | 0.10 | 0.20 | | 0.05 | 0.02 | 0.62 | | | | |
| BP PRODUCTS NORTH AMERICA INC. 3200 University Blvd Coraopolis, PA 15108 (combined with Buckeye Pipeline) | 15108 | 2000 | 0.05 | 0.06 | 0.06 | 0.01 | 0.00 | 0.28 | 0.00 | | 34.13 | 5171 | PETROLEUM BULK STATIONS & TERMINALS |
| | | 2001 | 0.04 | 0.05 | 0.07 | 0.01 | 0.00 | 0.30 | 0.00 | | 18.41 | | |
| | | 2002 | 0.06 | 0.07 | 0.06 | 0.01 | 0.00 | 0.29 | 0.00 | | 20.75 | | |
| | | 2003 | 0.06 | 0.07 | 0.06 | 0.01 | 0.00 | 0.28 | 0.00 | | 16.79 | | |
| | | 2004 | 0.02 | 0.02 | 0.05 | 0.01 | 0.00 | 0.25 | 0.00 | | 16.68 | | |
| | | 2005 | 0.02 | 0.02 | 0.06 | 0.01 | 0.00 | 0.26 | 0.00 | | 16.59 | | |
| | | 2006 | 0.03 | 0.00 | 0.06 | 0.01 | 0.00 | 0.26 | 0.00 | | 16.65 | | |
| | | 2007 | 0.04 | 0.04 | 0.06 | 0.02 | 0.00 | 0.27 | 0.00 | | 17.58 | | |
| | | 2008 | 0.01 | 0.01 | 0.06 | 0.01 | 0.00 | 0.25 | 0.00 | | 14.98 | | |
| | | 2009 | 0.02 | 0.02 | 0.05 | 0.01 | 0.00 | 0.23 | 0.00 | | 13.00 | | |
| | | 2010 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | 11.30 | | |
| | | 2011 | 0.01 | 0.01 | 0.04 | 0.01 | | | 0.00 | 0.00 | 11.34 | | |
| | | 2012 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 0.00 | | |

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| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-------|------|-------|-------|---------------------|----------------------|--------|-------------------|-------|--------|-------|----------|---|
| BRAD FOOTE GEAR WORKS, INC. | | 2011 | 2.72 | 3.26 | 3.99 | 3.99 | | | 0.03 | 0.10 | 0.21 | 3566 | SPEED CHANGERS, INDUSTRIAL HIGH-SPEED DRIVES, AND GEARS |
| | | 2012 | 2.71 | 3.23 | 2.96 | 2.96 | | | 0.02 | 0.50 | 0.20 | | |
| | | 2013 | 2.47 | 2.94 | 2.97 | 2.97 | 0.17 | | 0.02 | 0.09 | 0.32 | | |
| BROUDY PRINTING 221 AUBURN STREET PITTSBURGH ,Pa 15216 | 15216 | 2010 | 0.10 | 0.20 | 0.00 | 0.02 | | | 0.00 | 0.00 | 9.00 | 2752 | PRINTED MATERIAL |
| | | 2011 | 0.08 | 0.30 | 0.02 | 0.02 | | | 0.02 | 0.00 | 8.19 | | |
| | | 2012 | 0.05 | 0.19 | 0.01 | 0.01 | | | 0.01 | 0.00 | 7.94 | | |
| | | 2013 | 0.04 | 0.11 | 0.01 | 0.01 | 0.01 | | 0.01 | 0.00 | 8.74 | | |
| BUCKEYE CORAOPOLIS PIPELINE FACILITY 3324 University Blvd Coraopolis, PA 15108 | 15108 | 2000 | 0.49 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.58 | 4613 | REFINED PETROLEUM PIPELINES |
| | | 2001 | 0.78 | 1.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.05 | | |
| | | 2002 | 1.76 | 4.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 33.61 | | |
| | | 2003 | 2.77 | 6.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 34.79 | | |
| | | 2004 | 2.38 | 5.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 27.81 | | |
| | | 2005 | 2.11 | 5.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 28.11 | | |
| | | 2006 | 1.61 | 4.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 24.81 | | |
| | | 2007 | 1.52 | 3.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 29.60 | | |
| | | 2008 | 1.39 | 3.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 31.89 | | |
| | | 2009 | 0.32 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 12.98 | | |
| | | 2010 | 0.35 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 1.96 | | |
| | | 2011 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | | |
| | | 2012 | 0.01 | 0.01 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 2013 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.92 | | | |
| CALGON CARBON CORPORATION 500 Calgon Carbon Drive Pittsburgh, PA 15225 | 15225 | 2000 | 11.21 | 19.81 | 4.78 | 3.25 | 0.00 | 5.63 | 1.79 | | 5.56 | 2819 | INDUSTRIAL INORGANIC CHEMICALS |
| | | 2001 | 4.74 | 6.89 | 4.67 | 3.24 | 0.00 | 7.23 | 2.40 | | 1.16 | | |
| | | 2002 | 4.29 | 6.49 | 4.58 | 3.19 | 0.00 | 7.06 | 2.54 | | 1.18 | | |
| | | 2003 | 3.22 | 5.11 | 4.81 | 3.33 | 0.00 | 7.09 | 3.17 | | 1.26 | | |
| | | 2004 | 4.36 | 6.05 | 4.68 | 2.89 | 0.00 | 7.43 | 2.42 | | 1.16 | | |
| | | 2005 | 4.88 | 4.76 | 2.93 | 2.32 | 0.12 | 3.56 | 2.97 | | 1.02 | | |
| | | 2006 | 3.89 | 4.40 | 1.65 | 1.29 | 0.12 | 2.02 | 1.03 | | 1.28 | | |
| | | 2007 | 5.22 | 4.46 | 2.74 | 2.16 | 0.12 | 3.37 | 2.94 | | 1.95 | | |
| | | 2008 | 4.72 | 4.08 | 2.17 | 1.74 | 0.10 | 2.71 | 2.56 | | 1.66 | | |
| | | 2009 | 3.03 | 3.19 | 0.78 | 0.57 | 0.09 | 1.08 | 0.13 | | 1.52 | | |
| | | 2010 | 1.70 | 1.90 | 0.49 | 0.49 | | | 0.10 | 160.60 | 1.30 | | |
| | | 2011 | 2.03 | 2.19 | 5.12 | 5.12 | | | 0.07 | 125.29 | 1.24 | | |
| | | 2012 | 0.95 | 4.91 | 4.76 | 4.76 | | | 0.04 | 125.00 | 1.03 | | |
| 2013 | 1.24 | 4.90 | 4.63 | 4.63 | 0.07 | | 0.04 | 65.20 | 0.77 | | | | |
| CARRILLO STREET STEAM PLANT University of Pittsburgh 2740 Carillo Street Pittsburgh, PA 15260 | 15260 | 2009 | 0.00 | 0.06 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 0.01 | 8221 | COLLEGES, UNIVERSITIES, & PROFESSIONAL SCHOOLS |
| | | 2010 | 16.60 | 3.50 | 0.80 | 0.80 | | | 0.30 | | 2.40 | | |
| | | 2011 | 16.81 | 4.85 | 0.81 | 0.81 | | | 0.26 | 0.00 | 2.36 | | |
| | | 2012 | 18.09 | 4.19 | 0.87 | 0.87 | | | 0.28 | 1.47 | 2.57 | | |
| | | 2013 | 19.90 | 4.71 | 0.96 | 0.96 | 2.87 | | 0.31 | 1.61 | 2.82 | | |
| CHAMBERS DEVELOPMENT CO., INC. 600 Thomas Street Monroeville, PA 15146 | 15146 | 2000 | 21.05 | 86.65 | 27.76 | 9.08 | 2.04 | 48.98 | 7.97 | | 15.70 | 4953 | REFUSE SYSTEMS |
| | | 2001 | 16.32 | 69.26 | 17.10 | 8.39 | 1.05 | 31.17 | 16.19 | | 11.85 | | |
| | | 2002 | 12.70 | 51.98 | 47.55 | 17.31 | 1.15 | 78.30 | 12.32 | | 9.71 | | |
| | | 2003 | 13.96 | 57.86 | 40.43 | 9.57 | 1.15 | 78.10 | 13.65 | | 13.87 | | |
| | | 2004 | 13.46 | 56.36 | 47.36 | 16.32 | 0.96 | 92.03 | 13.26 | | 9.93 | | |
| | | 2005 | 20.65 | 48.89 | 53.84 | 29.56 | 1.37 | 137.12 | 5.88 | | 9.54 | | |
| | | 2006 | 10.72 | 47.08 | 29.31 | 9.34 | 0.33 | 90.87 | 3.74 | | 13.99 | | |
| | | 2007 | 12.46 | 52.11 | 16.84 | 9.23 | 0.32 | 39.99 | 5.24 | | 8.88 | | |
| | | 2008 | 14.83 | 57.59 | 15.80 | 7.88 | 0.42 | 39.93 | 7.34 | | 10.84 | | |
| | | 2009 | 17.95 | 41.71 | 19.44 | 19.44 | 1.51 | 19.51 | 6.59 | | 12.65 | | |
| | | 2010 | 13.50 | 41.40 | 16.50 | 15.20 | | | 4.70 | | 11.80 | | |
| | | 2011 | 15.96 | 38.32 | 16.03 | 16.03 | | | 5.89 | 0.00 | 11.59 | | |
| | | 2012 | 15.26 | 40.82 | 7.92 | 7.92 | | | 5.50 | 0.00 | 11.88 | | |
| 2013 | 5.27 | 1.74 | 7.72 | 7.72 | 1.14 | | 2.24 | | 8.78 | | | | |
| CLAIRTON SLAG, INC. 1 Dove Way | 15088 | 2000 | 18.50 | 20.69 | 12.93 | 1.66 | 0.01 | 23.35 | 4.41 | | 6.74 | 2951 | PAVING MIXTURES & BLOCKS |
| | | 2001 | 9.28 | 22.73 | 12.34 | 2.70 | 0.01 | 19.12 | 3.94 | | 7.00 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A: Point Source Criteria Air Emissions Report 2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-------|---|-------|-------|---------------------|----------------------|--------|-------------------|-------|------|--------|----------|---|
| West Elizabeth, PA 15088 | | 2002 | 14.33 | 17.51 | 9.80 | 10.46 | 0.01 | 15.11 | 3.08 | | 4.80 | | |
| | | 2003 | 14.53 | 32.12 | 18.01 | 15.43 | 0.37 | 34.53 | 3.70 | | 4.78 | | |
| | | 2004 | 12.05 | 16.27 | 4.31 | 3.85 | 0.37 | 12.89 | 1.14 | | 1.59 | | |
| | | 2005 | 11.07 | 15.13 | 3.57 | 3.21 | 0.34 | 10.11 | 1.11 | | 1.49 | | |
| | | 2006 | 10.74 | 14.54 | 4.20 | 3.65 | 0.33 | 12.56 | 1.02 | | 3.39 | | |
| | | 2007 | 9.16 | 10.95 | 2.75 | 2.45 | 0.29 | 7.84 | 0.77 | | 1.15 | | |
| | | 2008 | 7.42 | 11.64 | 3.02 | 2.64 | 0.21 | 8.88 | 0.81 | | 1.08 | | |
| | | 2009 | 8.79 | 10.29 | 2.92 | 2.60 | 0.29 | 8.74 | 0.73 | | 1.09 | | |
| | | 2010 | 7.80 | 12.50 | 3.10 | 2.93 | | | 0.90 | | 1.20 | | |
| | | 2011 | 1.76 | 8.10 | 1.73 | 1.64 | | | 0.54 | 0.00 | 0.56 | | |
| | | 2012 | 2.31 | 10.62 | 2.30 | 2.21 | | | 0.71 | 0.00 | 0.73 | | |
| | | 2013 | 2.71 | 12.44 | 2.51 | 2.39 | | | 0.83 | | 0.85 | | |
| | | CP INDUSTRIES 2214 Walnut Street McKeesport, PA 15132 | 15132 | 2000 | 3.16 | 3.76 | 3.33 | 2.49 | 0.21 | 3.43 | 0.02 | | 2.46 |
| 2001 | 2.32 | | | 2.76 | 3.31 | 2.48 | 0.16 | 3.41 | 0.02 | | 2.40 | | |
| 2002 | 1.24 | | | 1.48 | 10.27 | 1.05 | 0.08 | 21.30 | 0.01 | | 0.50 | | |
| 2003 | 1.39 | | | 1.65 | 8.74 | 8.74 | 0.09 | 18.11 | 0.01 | | 0.51 | | |
| 2004 | 1.24 | | | 1.48 | 10.27 | 1.05 | 0.08 | 21.30 | 0.01 | | 0.50 | | |
| 2005 | 1.12 | | | 1.34 | 9.24 | 0.95 | 0.08 | 19.17 | 0.01 | | 0.50 | | |
| 2006 | 1.05 | | | 1.25 | 8.44 | 0.87 | 0.07 | 17.51 | 0.01 | | 0.60 | | |
| 2007 | 0.90 | | | 1.07 | 8.64 | 0.88 | 0.06 | 17.93 | 0.01 | | 1.02 | | |
| 2008 | 0.89 | | | 1.06 | 6.46 | 0.66 | 0.06 | 13.39 | 0.01 | | 3.57 | | |
| 2009 | 1.28 | | | 1.52 | 6.49 | 0.69 | 0.06 | 13.43 | 0.01 | | 2.99 | | |
| 2010 | 4.90 | | | 5.80 | 3.70 | 3.69 | | | 0.00 | | 0.26 | | |
| 2011 | 0.91 | | | 1.19 | 3.73 | 2.21 | | | 0.01 | 0.18 | 3.22 | | |
| 2012 | 7.54 | | | 9.02 | 3.52 | 3.08 | | | 0.05 | 0.14 | 3.22 | | |
| 2013 | 3.95 | 5.27 | 1.71 | 1.71 | 1.93 | | 0.03 | 0.18 | 3.63 | | | | |
| DICE COMPRESSOR STATION 2300 PA Route 286 Pittsburgh, PA 15239 | 15239 | 2000 | 6.88 | 24.00 | 0.53 | 0.53 | 0.55 | 0.75 | 0.01 | | 3.55 | 4922 | TRANSPORTATION & UTILITIES - NATURAL GAS TRANSMISSION |
| | | 2001 | 3.19 | 23.15 | 0.40 | 0.40 | 0.10 | 0.40 | 0.01 | | 2.39 | | |
| | | 2002 | 3.55 | 19.84 | 0.44 | 0.44 | 0.12 | 0.44 | 0.01 | | 2.60 | | |
| | | 2003 | 3.76 | 21.30 | 0.47 | 0.47 | 0.13 | 0.47 | 0.01 | | 2.64 | | |
| | | 2004 | 5.67 | 35.96 | 0.72 | 0.72 | 0.20 | 0.72 | 0.01 | | 2.51 | | |
| | | 2005 | 4.49 | 25.25 | 0.38 | 0.38 | 0.11 | 0.38 | 0.01 | | 6.13 | | |
| | | 2006 | 4.08 | 22.71 | 0.36 | 0.36 | 0.10 | 0.36 | 0.01 | | 8.08 | | |
| | | 2007 | 3.37 | 22.39 | 0.35 | 0.35 | 0.10 | 0.35 | 0.01 | | 8.48 | | |
| | | 2008 | 4.47 | 20.41 | 0.40 | 0.40 | 0.11 | 0.40 | 0.01 | | 8.55 | | |
| | | 2009 | 4.87 | 27.35 | 0.42 | 0.42 | 0.12 | 0.42 | 0.01 | | 8.96 | | |
| | | 2010 | 5.80 | 29.60 | 0.50 | 0.54 | | | 0.00 | 0.00 | 8.70 | | |
| | | 2011 | 4.80 | 21.20 | 0.60 | 0.60 | | | 0.01 | 0.00 | 8.69 | | |
| | | 2012 | 4.29 | 33.82 | 0.63 | 0.63 | | | 0.00 | 0.00 | 9.86 | | |
| 2013 | 4.57 | 33.71 | 0.64 | 0.64 | 0.14 | | 0.00 | 0.04 | 18.46 | | | | |
| DUQUESNE UNIVERSITY 600 Forbes Avenue Pittsburgh, PA 15282 | 15282 | 2000 | 6.76 | 29.36 | 0.54 | 0.54 | 1.29 | 0.54 | 0.81 | | 0.82 | 8221 | COLLEGES & UNIVERSITIES |
| | | 2001 | 3.03 | 27.70 | 0.58 | 0.58 | 1.28 | 0.58 | 0.84 | | 0.79 | | |
| | | 2002 | 3.75 | 24.65 | 0.59 | 0.59 | 1.20 | 0.59 | 0.26 | | 0.78 | | |
| | | 2003 | 18.08 | 24.97 | 0.53 | 0.53 | 1.22 | 0.53 | 0.21 | | 0.94 | | |
| | | 2004 | 12.76 | 26.14 | 0.55 | 0.55 | 1.29 | 0.55 | 0.23 | | 0.76 | | |
| | | 2005 | 13.13 | 24.49 | 0.51 | 0.51 | 1.25 | 0.52 | 0.18 | | 0.77 | | |
| | | 2006 | 12.93 | 25.63 | 0.58 | 0.58 | 1.30 | 0.57 | 0.25 | | 0.78 | | |
| | | 2007 | 18.47 | 16.33 | 0.58 | 0.58 | 1.35 | 0.57 | 0.23 | | 5.52 | | |
| | | 2008 | 19.94 | 17.33 | 0.59 | 0.59 | 1.42 | 0.59 | 0.21 | | 4.08 | | |
| | | 2009 | 20.32 | 17.74 | 0.60 | 0.60 | 1.45 | 0.60 | 0.21 | | 4.76 | | |
| | | 2010 | 26.30 | 18.60 | 2.50 | 2.48 | | | 0.10 | 4.30 | 2.70 | | |
| | | 2011 | 5.80 | 21.22 | 0.57 | 0.57 | | | 0.87 | 0.88 | 3.51 | | |
| | | 2012 | 4.10 | 17.38 | 0.54 | 0.54 | | | 0.85 | 0.83 | 3.19 | | |
| 2013 | 5.43 | 18.87 | 0.57 | 0.57 | 1.37 | | 0.82 | 1.07 | 4.13 | | | | |
| EASTMAN CHEMICAL RESINS, INC. State Highway 837 & Madison Ave West Elizabeth, PA 15088 | 15088 | 2001 | 13.95 | 33.53 | 12.97 | 1.49 | 1.66 | 16.95 | 4.19 | | 420.20 | 2821 | PLASTICS, MATERIALS & RESINS |
| | | 2002 | 36.14 | 34.79 | 14.27 | 13.04 | 1.83 | 19.24 | 4.92 | | 425.84 | | |
| | | 2003 | 27.27 | 35.27 | 16.20 | 14.74 | 0.58 | 22.63 | 5.78 | | 371.21 | | |
| | | 2004 | 75.73 | 92.77 | 22.45 | 20.91 | 3.80 | 29.10 | 6.10 | | 370.46 | | |
| | | 2005 | 31.84 | 30.87 | 19.77 | 17.21 | 1.66 | 29.95 | 1.27 | | 282.39 | | |
| | | 2006 | 16.09 | 39.97 | 16.66 | 13.29 | 1.50 | 22.80 | 1.05 | | 164.12 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|---|-------|------|-------|--------|---------------------|----------------------|--------|-------------------|-------|------|--------|----------|------------------------------------|
| | | 2007 | 29.81 | 73.30 | 19.14 | 14.67 | 2.09 | 28.54 | 4.42 | | 178.01 | | |
| | | 2008 | 35.90 | 82.60 | 15.62 | 12.67 | 1.94 | 23.33 | 1.46 | | 137.13 | | |
| | | 2009 | 35.90 | 82.60 | 15.62 | 12.67 | 1.94 | 23.33 | 1.46 | | 137.13 | | |
| | | 2010 | 20.10 | 38.60 | 9.40 | 8.46 | | | 0.60 | 0.11 | 115.30 | | |
| | | 2011 | 21.65 | 36.98 | 9.44 | 8.57 | | | 0.39 | 0.86 | 111.80 | | |
| | | 2012 | 22.04 | 33.81 | 9.97 | 8.89 | | | 0.44 | 0.91 | 113.93 | | |
| | | 2013 | 21.07 | 27.28 | 9.50 | 8.42 | 1.43 | | 0.15 | 0.90 | 105.66 | | |
| EQUITABLE GAS/CREIGHTON STATION 928 Front Street Creighton, PA 15030 | 15030 | 2000 | 3.83 | 21.05 | 0.42 | 0.42 | 0.01 | 0.27 | 0.01 | | 1.30 | 4922 | NATURAL GAS TRANSMISSION |
| | | 2001 | 5.45 | 9.82 | 1.10 | 1.10 | 0.29 | 1.10 | 0.02 | | 16.29 | | |
| | | 2002 | 0.88 | 1.45 | 0.18 | 0.18 | 0.05 | 0.18 | 0.00 | | 2.67 | | |
| | | 2003 | 1.43 | 4.21 | 0.18 | 0.18 | 0.05 | 0.18 | 0.00 | | 0.77 | | |
| | | 2004 | 8.89 | 18.72 | 1.37 | 1.37 | 0.35 | 1.37 | 0.02 | | 2.97 | | |
| | | 2005 | 15.19 | 12.45 | 3.02 | 3.02 | 0.77 | 3.02 | 0.05 | | 2.22 | | |
| | | 2006 | 12.00 | 10.06 | 2.38 | 2.38 | 0.62 | 2.38 | 0.04 | | 1.72 | | |
| | | 2007 | 18.43 | 23.82 | 2.97 | 2.97 | 0.78 | 2.97 | 0.05 | | 16.56 | | |
| | | 2008 | 19.59 | 41.93 | 2.34 | 2.34 | 0.61 | 2.34 | 0.04 | | 3.46 | | |
| | | 2009 | 19.74 | 30.81 | 2.40 | 2.40 | 0.63 | 2.40 | 0.04 | | 6.61 | | |
| | | 2010 | 16.30 | 30.60 | 2.20 | 2.16 | | | 0.00 | | 3.00 | | |
| | | 2011 | 17.45 | 33.19 | 2.30 | 2.30 | | | 0.04 | 0.00 | 5.67 | | |
| | | 2012 | 17.91 | 29.48 | 0.78 | 0.78 | | | 0.04 | 0.00 | 6.97 | | |
| | | 2013 | 14.33 | 25.80 | 0.72 | 0.72 | 0.60 | | 0.04 | | 6.27 | | |
| GALVTECH 300 Mifflin Road Pittsburgh, PA 15207 | 15207 | 2000 | 25.75 | 30.65 | 0.82 | 0.64 | 1.75 | 1.83 | 0.18 | | 3.10 | 3479 | METAL COATING & ALLIED SERVICES |
| | | 2001 | 22.72 | 27.05 | 0.75 | 0.57 | 1.54 | 1.76 | 0.16 | | 2.37 | | |
| | | 2002 | 28.78 | 34.26 | 0.90 | 0.71 | 1.95 | 1.93 | 0.21 | | 2.54 | | |
| | | 2003 | 22.49 | 26.78 | 0.74 | 0.57 | 1.53 | 1.71 | 0.16 | | 1.87 | | |
| | | 2004 | 24.76 | 29.48 | 0.79 | 0.62 | 1.68 | 1.76 | 0.18 | | 2.53 | | |
| | | 2005 | 5.55 | 35.32 | 0.61 | 0.42 | 1.09 | 1.61 | 0.11 | | 3.42 | | |
| | | 2006 | 6.72 | 39.80 | 0.66 | 0.48 | 1.25 | 1.67 | 0.13 | | 3.36 | | |
| | | 2007 | 6.23 | 38.66 | 0.65 | 0.46 | 1.20 | 1.65 | 0.13 | | 3.13 | | |
| | | 2008 | 5.39 | 34.54 | 0.60 | 0.39 | 1.06 | 1.60 | 0.11 | | 2.19 | | |
| | | 2009 | 4.65 | 28.30 | 0.54 | 0.35 | 0.88 | 1.54 | 0.09 | | 2.07 | | |
| | | 2010 | 5.50 | 30.30 | 2.90 | 2.79 | | | 0.10 | | 2.80 | | |
| | | 2011 | 4.30 | 29.32 | 2.76 | 2.76 | | | 0.09 | 0.00 | 3.18 | | |
| | | 2012 | 4.05 | 26.71 | 2.24 | 2.24 | | | 0.09 | 0.46 | 2.32 | | |
| | | 2013 | 4.71 | 30.04 | 2.27 | 2.27 | 0.93 | | 0.10 | 0.52 | 1.96 | | |
| GE CONSUMER PRODUCTS, LIGHTING 540 Mayer Street Bridgeville, PA 15017 | 15017 | 2000 | 12.87 | 210.61 | 18.65 | 2.03 | 0.47 | 18.86 | 2.94 | | 1.41 | 3229 | PRESSED & BLOWN GLASS |
| | | 2001 | 9.62 | 166.09 | 13.92 | 1.51 | 0.37 | 20.11 | 2.95 | | 1.56 | | |
| | | 2002 | 12.31 | 161.22 | 27.27 | 2.88 | 0.11 | 27.53 | 0.09 | | 1.03 | | |
| | | 2003 | 9.40 | 110.30 | 21.16 | 2.18 | 0.00 | 21.26 | 0.10 | | 0.82 | | |
| | | 2004 | 12.21 | 138.67 | 25.98 | 2.88 | 0.00 | 26.05 | 0.09 | | 0.84 | | |
| | | 2005 | 15.28 | 130.43 | 19.65 | 19.65 | 1.03 | 19.65 | 0.11 | | 1.02 | | |
| | | 2006 | 14.31 | 82.95 | 17.32 | 17.30 | 0.97 | 17.34 | 0.10 | | 1.03 | | |
| | | 2007 | 10.03 | 66.81 | 19.29 | 19.29 | 0.68 | 19.57 | 0.07 | | 0.77 | | |
| | | 2008 | 3.94 | 26.44 | 6.77 | 6.77 | 0.26 | 6.86 | 0.03 | | 0.29 | | |
| | | 2009 | 4.81 | 27.35 | 10.17 | 10.17 | 0.32 | 10.30 | 0.06 | | 0.56 | | |
| | | 2010 | 3.70 | 37.00 | 8.70 | 8.72 | | | 0.00 | 0.04 | 0.50 | | |
| | | 2011 | 4.07 | 30.81 | 11.85 | 11.81 | | | 2.15 | 0.16 | 0.60 | | |
| | | 2012 | 3.03 | 11.61 | 2.74 | 2.74 | | | 1.03 | 0.05 | 0.21 | | |
| | | 2013 | 3.35 | 29.49 | 5.72 | 5.72 | 0.23 | | 2.72 | 0.01 | 0.35 | | |
| NRG ENERGY INC -BRUNOT ISLAND POWER PLT (formerly Gen On Brunot Island Pittsburgh, PA 15204 | 15204 | 2000 | 0.44 | 116.94 | 0.57 | 0.57 | 0.96 | 0.57 | 16.38 | | 0.07 | 4911 | ELECTRIC SERVICES |
| | | 2001 | 0.65 | 57.73 | 0.35 | 0.35 | 0.21 | 0.35 | 1.38 | | 0.30 | | |
| | | 2002 | 31.92 | 18.82 | 1.72 | 0.33 | 0.75 | 1.72 | 1.14 | | 38.44 | | |
| | | 2003 | 33.20 | 38.22 | 2.14 | 2.14 | 0.59 | 2.14 | 1.03 | | 22.56 | | |
| | | 2004 | 23.83 | 23.02 | 1.44 | 1.44 | 0.50 | 1.44 | 3.50 | | 26.04 | | |
| | | 2005 | 31.68 | 6.24 | 2.10 | 2.10 | 0.47 | 2.10 | 0.74 | | 22.37 | | |
| | | 2006 | 22.98 | 25.94 | 1.53 | 1.53 | 1.37 | 1.53 | 1.63 | | 13.39 | | |
| | | 2007 | 34.30 | 33.85 | 1.57 | 1.57 | 0.74 | 1.57 | 3.89 | | 19.87 | | |
| | | 2008 | 9.09 | 5.99 | 0.54 | 0.55 | 0.17 | 0.54 | 1.52 | | 3.69 | | |
| | | 2009 | 4.11 | 7.08 | 0.49 | 0.49 | 0.15 | 0.49 | 1.23 | | 4.07 | | |
| | | 2010 | 7.40 | 16.30 | 1.00 | 0.96 | | | 2.20 | 0.30 | 8.10 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A: Point Source Criteria Air Emissions Report 2000-2013

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|---|--------|---------|--------|---------|---------------------|----------------------|---------|-------------------|----------|------|-------|----------|---|--|
| | | 2011 | 9.82 | 2.12 | 0.93 | 0.93 | | | 0.05 | 0.26 | 11.27 | | | |
| | | 2012 | 23.01 | 11.75 | 5.37 | 5.37 | | | 0.14 | 1.23 | 3.59 | | | |
| | | 2013 | 18.94 | 6.79 | 2.78 | 2.78 | 0.72 | | 0.13 | 1.59 | 2.16 | | | |
| NRG ENERGY INC. - CHESWICK STATION (FORMERLY GEN ON ENERGY) 100 PITTSBURGH STREET SPRINGDALE, PA 15144 | 15024 | 2000 | 840.56 | 6385.36 | 295.27 | 152.11 | 512.67 | 428.35 | 45143.45 | | 39.45 | 4911 | ELECTRIC SERVICES | |
| | | 2001 | 844.35 | 6751.05 | 307.66 | 116.64 | 438.68 | 887.02 | 49013.38 | | 13.32 | | | |
| | | 2002 | 298.92 | 5761.73 | 221.51 | 88.92 | 501.30 | 596.09 | 42018.35 | | 10.69 | | | |
| | | 2003 | 375.71 | 4704.70 | 394.44 | 186.51 | 430.07 | 935.06 | 45432.80 | | 13.01 | | | |
| | | 2004 | 322.77 | 4928.01 | 293.68 | 127.59 | 498.25 | 724.77 | 40982.82 | | 11.32 | | | |
| | | 2005 | 294.90 | 3913.85 | 251.48 | 127.63 | 902.36 | 711.61 | 37320.22 | | 10.70 | | | |
| | | 2006 | 290.99 | 4220.95 | 264.78 | 150.93 | 229.06 | 534.34 | 32689.34 | | 10.21 | | | |
| | | 2007 | 297.58 | 4455.16 | 271.28 | 154.63 | 330.07 | 547.14 | 34460.55 | | 10.37 | | | |
| | | 2008 | 268.61 | 4109.61 | 244.96 | 161.47 | 406.92 | 418.45 | 30299.56 | | 9.51 | | | |
| | | 2009 | 291.73 | 2999.25 | 273.53 | 214.64 | 382.93 | 357.49 | 33165.07 | | 10.26 | | | |
| | | 2010 | 191.00 | 2523.20 | 192.40 | 140.49 | | | 11806.80 | 2.06 | 6.80 | | | |
| | | 2011 | 274.16 | 3294.21 | 288.05 | 176.79 | | | 9290.31 | 2.76 | 9.89 | | | |
| | | 2012 | 257.53 | 4484.39 | 328.60 | 165.29 | | | 1910.84 | 1.69 | 9.17 | | | |
| 2013 | 304.70 | 5332.21 | 129.88 | 87.87 | 40.62 | | 1686.34 | 1.35 | 10.72 | | | | | |
| GOTTLIEB, INC. 5601 Grand Avenue Pittsburgh, PA 15225 | 15225 | 2003 | 1.66 | 20.46 | 1.27 | 0.73 | 0.04 | 3.47 | 2.02 | | 4.33 | 3341 | SECONDARY ALUMINUM PROD. | |
| | | 2004 | 1.56 | 25.60 | 1.33 | 0.87 | 0.11 | 2.94 | 2.54 | | 5.44 | | | |
| | | 2005 | 1.54 | 15.13 | 0.67 | 0.32 | 0.10 | 1.88 | 2.72 | | 21.21 | | | |
| | | 2006 | 1.56 | 17.19 | 0.82 | 0.36 | 0.11 | 2.35 | 3.11 | | 24.31 | | | |
| | | 2007 | 1.48 | 18.90 | 0.82 | 0.39 | 0.10 | 2.27 | 3.43 | | 26.82 | | | |
| | | 2008 | 1.44 | 18.85 | 0.82 | 0.36 | 0.10 | 2.25 | 3.42 | | 26.75 | | | |
| | | 2009 | 1.13 | 14.07 | 0.63 | 0.27 | 0.08 | 1.76 | 2.52 | | 19.73 | | | |
| | | 2010 | 1.40 | 19.90 | 0.90 | 0.38 | | | 3.60 | 0.02 | 28.30 | | | |
| | | 2011 | 1.47 | 23.94 | 1.02 | 0.46 | | | 4.37 | 0.02 | 34.22 | | | |
| | | 2012 | 2.23 | 25.65 | 0.74 | 0.45 | | | 4.70 | 0.01 | 36.80 | | | |
| | | 2013 | 2.30 | 24.96 | 0.72 | 0.44 | 0.16 | | 4.57 | 0.01 | 35.79 | | | |
| GUARDIAN INDUSTRIES CORP. 1000 Glasshouse Road Jefferson Hills, PA 15025 | 15025 | 2000 | 3.76 | 819.03 | 75.38 | 63.48 | 0.06 | 87.61 | 154.29 | | 12.66 | 3211 | FLAT GLASS MANUFACTURING | |
| | | 2001 | 7.01 | 1177.59 | 94.42 | 39.00 | 0.07 | 110.22 | 187.37 | | 13.99 | | | |
| | | 2002 | 7.90 | 1056.26 | 38.97 | 21.89 | 0.04 | 88.86 | 94.28 | | 11.93 | | | |
| | | 2003 | 6.57 | 1051.03 | 15.18 | 3.40 | 10.27 | 29.87 | 121.51 | | 10.63 | | | |
| | | 2004 | 7.72 | 996.64 | 15.22 | 3.53 | 19.71 | 29.80 | 109.89 | | 12.74 | | | |
| | | 2005 | 9.00 | 1010.24 | 15.68 | 3.53 | 20.53 | 31.08 | 103.26 | | 14.58 | | | |
| | | 2006 | 8.89 | 667.63 | 8.70 | 2.02 | 20.67 | 17.16 | 91.42 | | 11.44 | | | |
| | | 2007 | 10.39 | 686.68 | 9.43 | 2.43 | 17.63 | 18.27 | 82.47 | | 13.94 | | | |
| | | 2008 | 10.69 | 883.78 | 11.96 | 3.17 | 2.90 | 24.77 | 86.95 | | 16.92 | | | |
| | | 2009 | 9.00 | 632.86 | 10.14 | 4.96 | 1.56 | 17.82 | 64.27 | | 12.98 | | | |
| | | 2010 | 10.30 | 939.50 | 31.50 | 14.97 | | | 59.20 | | 20.90 | | | |
| | | 2011 | 10.50 | 978.44 | 29.47 | 17.35 | | | 73.26 | 0.12 | 19.32 | | | |
| | | 2012 | 5.68 | 486.29 | 27.24 | 22.35 | | | 82.68 | 0.01 | 16.66 | | | |
| 2013 | 4.79 | 469.88 | 25.74 | 21.34 | 4.18 | | 70.38 | 0.12 | 11.81 | | | | | |
| GULF OIL L.P. 400 Grand Avenue Pittsburgh, PA 15225 | 15225 | 2000 | 7.63 | 7.69 | 0.00 | 0.00 | 0.00 | 1.98 | 0.49 | | 45.02 | 5171 | PETROLEUM BULK STATIONS & TERMINALS | |
| | | 2001 | 6.21 | 2.43 | 0.43 | 0.07 | 0.01 | 1.30 | 0.20 | | 57.25 | | | |
| | | 2002 | 6.00 | 2.39 | 0.44 | 0.07 | 0.01 | 1.31 | 0.26 | | 58.74 | | | |
| | | 2003 | 9.71 | 4.01 | 3.04 | 0.45 | 0.00 | 9.12 | 0.28 | | 48.36 | | | |
| | | 2004 | 10.59 | 4.42 | 3.32 | 0.49 | 0.00 | 9.97 | 0.40 | | 42.70 | | | |
| | | 2005 | 9.84 | 4.06 | 2.09 | 0.31 | 0.01 | 6.29 | 0.26 | | 36.60 | | | |
| | | 2006 | 6.88 | 2.90 | 1.88 | 0.28 | 0.01 | 5.65 | 0.22 | | 23.97 | | | |
| | | 2007 | 9.72 | 4.11 | 1.78 | 0.25 | 0.01 | 5.33 | 0.31 | | 28.17 | | | |
| | | 2008 | 2.92 | 7.22 | 1.78 | 0.25 | 0.01 | 5.33 | 0.85 | | 31.24 | | | |
| | | 2009 | 3.80 | 9.66 | 2.33 | 0.36 | 0.00 | 7.92 | 0.99 | | 38.20 | | | |
| | | 2010 | 4.20 | 10.60 | 0.70 | 0.17 | | | 0.80 | | 43.80 | | | |
| | | 2011 | 8.04 | 3.14 | 0.75 | 0.19 | | | 0.81 | 0.00 | 29.90 | | | |
| | | 2012 | 1.62 | 6.74 | 0.60 | 0.15 | | | 0.66 | 0.00 | 32.63 | | | |
| 2013 | 1.25 | 2.04 | 0.53 | 0.13 | | | 0.02 | | 30.09 | | | | | |
| KELLY RUN SANITATION State Route 51 S Elizabeth, PA 15037 | 15037 | 2001 | 22.83 | 33.38 | 9.46 | 7.65 | 0.49 | 16.02 | 2.96 | | 6.73 | 4953 | REFUSE SYSTEMS | |
| | | 2002 | 15.27 | 15.89 | 10.81 | 8.07 | 0.45 | 19.29 | 0.74 | | 4.54 | | | |
| | | 2003 | 10.69 | 9.22 | 6.00 | 4.16 | 0.33 | 10.65 | 0.38 | | 1.10 | | | |
| | | 2004 | 8.30 | 8.50 | 8.03 | 6.68 | 0.25 | 11.45 | 0.39 | | 0.90 | | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|---|-------|------|-------|--------|---------------------|----------------------|--------|-------------------|-------|------|-------|----------|---|
| | | 2005 | 8.48 | 9.36 | 10.56 | 8.78 | 0.25 | 14.60 | 0.45 | | 0.92 | | |
| | | 2006 | 10.34 | 13.00 | 9.74 | 8.61 | 0.16 | 13.77 | 1.35 | | 2.61 | | |
| | | 2007 | 13.28 | 15.94 | 7.89 | 5.22 | 0.36 | 11.88 | 1.70 | | 1.64 | | |
| | | 2008 | 15.28 | 15.60 | 17.06 | 14.27 | 0.24 | 25.06 | 1.78 | | 1.54 | | |
| | | 2009 | 11.96 | 15.42 | 9.67 | 3.46 | 0.17 | 24.51 | 1.56 | | 1.34 | | |
| | | 2010 | 13.40 | 15.00 | 7.20 | 7.15 | | | 1.60 | | 2.00 | | |
| | | 2011 | 16.54 | 15.63 | 7.64 | 7.64 | | | 2.55 | 0.00 | 1.91 | | |
| | | 2012 | 19.18 | 17.66 | 5.54 | 5.54 | | | 2.69 | 0.00 | 2.13 | | |
| | | 2013 | 17.77 | 7.11 | 3.69 | 3.69 | 1.25 | | 1.99 | | 1.07 | | |
| KELMAN BOTTLES LLC 1101 William Flynn Hwy Glenshaw, PA 15116 (source temporarily shut down) | 15116 | 2008 | 3.53 | 102.51 | 20.99 | 18.89 | 0.67 | 26.16 | 30.25 | | 7.99 | 3221 | GLASS CONTAINERS |
| | | 2009 | 2.80 | 91.66 | 17.88 | 17.99 | 0.62 | 24.72 | 25.47 | | 6.59 | | |
| | | 2010 | 4.50 | 77.70 | 14.90 | 12.94 | | | 27.90 | 0.44 | 7.50 | | |
| | | 2011 | 0.95 | 11.33 | 3.64 | 2.12 | | | 3.50 | 0.09 | 1.08 | | |
| KINDER MORGAN TRANSIMIX ROUTE 910 INDIANOLA, PA 15051 | 15051 | 2000 | 5.89 | 7.73 | 0.21 | 0.15 | 0.44 | 0.21 | 0.66 | | 27.94 | 5171 | PETROLEUM BULK STATIONS & TERMINALS |
| | | 2001 | 4.51 | 7.53 | 0.33 | 0.15 | 0.42 | 0.33 | 1.93 | | 30.49 | | |
| | | 2002 | 4.87 | 5.92 | 0.12 | 0.11 | 0.34 | 0.12 | 0.14 | | 28.87 | | |
| | | 2003 | 5.51 | 10.03 | 0.29 | 0.20 | 0.56 | 0.49 | 3.06 | | 29.34 | | |
| | | 2004 | 8.04 | 9.88 | 0.20 | 0.18 | 0.56 | 0.21 | 0.33 | | 32.01 | | |
| | | 2005 | 7.49 | 9.21 | 0.18 | 0.17 | 0.52 | 0.20 | 0.30 | | 30.85 | | |
| | | 2006 | 6.12 | 7.29 | 0.14 | 0.14 | 0.42 | 0.14 | 0.04 | | 31.76 | | |
| | | 2007 | 5.44 | 6.48 | 0.12 | 0.12 | 0.37 | 0.12 | 0.04 | | 29.05 | | |
| | | 2008 | 6.76 | 8.05 | 0.15 | 0.15 | 0.46 | 0.15 | 0.05 | | 30.93 | | |
| | | 2009 | 7.67 | 9.14 | 0.17 | 0.17 | 0.52 | 0.17 | 0.05 | | 36.00 | | |
| | | 2010 | 1.90 | 2.40 | 0.20 | 0.16 | | | 0.00 | 0.26 | 33.60 | | |
| | | 2011 | 8.84 | 10.53 | 0.20 | 0.20 | | | 0.06 | 0.26 | 38.54 | | |
| | | 2012 | 5.06 | 6.24 | 0.18 | 0.18 | | | 0.04 | 0.18 | 26.44 | | |
| | | 2013 | 4.23 | 5.04 | 0.10 | 0.10 | | | 0.03 | 0.02 | 30.40 | | |
| KINDER-MORGAN LIQUIDS TERMINAL LLC FORMERLY BOSWELL 702 Washington Avenue Dravosburg, PA 15034 | 15034 | 2000 | 0.44 | 1.38 | 0.06 | 0.03 | 0.09 | 0.13 | 2.17 | | 0.89 | 4226 | SPECIAL WAREHOUSING AND STORAGE |
| | | 2001 | 1.49 | 7.15 | 0.39 | 0.16 | 0.06 | 0.63 | 4.31 | | 0.26 | | |
| | | 2002 | 1.59 | 6.34 | 0.33 | 0.14 | 0.08 | 0.52 | 3.57 | | 0.35 | | |
| | | 2003 | 1.64 | 6.19 | 0.43 | 0.29 | 0.21 | 0.50 | 3.40 | | 0.44 | | |
| | | 2004 | 1.74 | 7.45 | 0.54 | 0.36 | 0.25 | 0.62 | 4.31 | | 1.37 | | |
| | | 2005 | 1.58 | 6.42 | 0.45 | 0.31 | 0.21 | 0.52 | 3.62 | | 0.35 | | |
| | | 2006 | 1.28 | 1.81 | 0.05 | 0.04 | 0.08 | 0.06 | 0.21 | | 0.61 | | |
| | | 2007 | 2.03 | 2.67 | 0.07 | 0.06 | 0.12 | 0.07 | 0.19 | | 1.78 | | |
| | | 2008 | 2.27 | 2.75 | 0.05 | 0.05 | 0.15 | 0.05 | 0.02 | | 1.68 | | |
| | | 2009 | 2.08 | 2.51 | 0.05 | 0.05 | 0.14 | 0.05 | 0.01 | | 1.36 | | |
| | | 2010 | 1.90 | 2.40 | 0.20 | 0.18 | | | 0.00 | 0.07 | 1.30 | | |
| | | 2011 | 2.05 | 2.54 | 0.19 | 0.19 | | | 0.01 | 0.08 | 4.12 | | |
| | | 2012 | 1.87 | 2.30 | 0.04 | 0.04 | | | 0.01 | 0.07 | 2.69 | | |
| | | 2013 | 2.13 | 2.62 | 0.05 | 0.05 | 0.15 | | 0.02 | 0.08 | 1.69 | | |
| KOPPERS INC. 300 North State St Clairton, PA 15025 | 15025 | 2000 | 14.37 | 13.96 | 15.63 | 6.21 | 0.55 | 57.05 | 0.35 | | 66.10 | 2865 | CYCLIC CRUDES & INTERMEDIATES |
| | | 2001 | 8.81 | 13.29 | 8.82 | 2.96 | 0.56 | 22.74 | 37.04 | | 75.70 | | |
| | | 2002 | 18.61 | 13.88 | 9.25 | 6.71 | 0.60 | 23.79 | 1.35 | | 76.52 | | |
| | | 2003 | 15.87 | 14.92 | 7.80 | 6.42 | 0.59 | 17.41 | 0.49 | | 78.97 | | |
| | | 2004 | 18.74 | 15.42 | 7.39 | 5.98 | 0.91 | 16.77 | 0.92 | | 96.10 | | |
| | | 2005 | 17.52 | 13.21 | 7.45 | 5.82 | 0.78 | 17.60 | 0.21 | | 84.74 | | |
| | | 2006 | 14.46 | 12.96 | 6.19 | 5.31 | 0.79 | 13.12 | 0.30 | | 56.81 | | |
| | | 2007 | 13.87 | 13.61 | 6.62 | 5.22 | 0.84 | 14.95 | 0.34 | | 15.34 | | |
| | | 2008 | 14.99 | 14.93 | 6.34 | 4.78 | 0.92 | 14.81 | 0.41 | | 11.73 | | |
| | | 2009 | 9.02 | 8.98 | 2.17 | 1.44 | 0.56 | 5.16 | 0.26 | | 6.05 | | |
| | | 2010 | 0.30 | 0.40 | 0.10 | 3.37 | | | 0.00 | | 9.50 | | |
| | | 2011 | 9.73 | 15.84 | 5.13 | 1.79 | | | 0.44 | 0.32 | 13.41 | | |
| | | 2012 | 7.90 | 9.85 | 5.48 | 3.37 | | | 0.20 | 0.28 | 11.63 | | |
| | | 2013 | 8.14 | 8.48 | 4.44 | 2.73 | 0.55 | | 0.06 | 0.31 | 8.12 | | |
| LIBERTAS COPPER LLC 100 Washington Street Leetsdale, PA 15056 (formerly Hussey Copper) | 15056 | 2000 | 22.23 | 23.83 | 48.86 | 36.18 | 1.35 | 98.33 | 0.43 | | 18.06 | 3351 | COPPER ROLLING & DRAWING |
| | | 2001 | 19.77 | 21.00 | 34.34 | 17.07 | 1.19 | 61.38 | 0.28 | | 13.10 | | |
| | | 2002 | 19.33 | 20.79 | 33.72 | 15.79 | 1.18 | 57.05 | 0.23 | | 9.87 | | |
| | | 2003 | 20.11 | 21.55 | 33.51 | 15.56 | 1.22 | 55.24 | 0.25 | | 10.43 | | |
| | | 2004 | 20.74 | 21.64 | 39.87 | 28.74 | 1.22 | 73.52 | 0.26 | | 10.55 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-------|------|-------|-------|---------------------|----------------------|--------|-------------------|------|------|-------|----------|--------------------------------------|
| | | 2005 | 21.34 | 22.37 | 37.51 | 28.29 | 1.21 | 68.96 | 0.32 | | 8.19 | | |
| | | 2006 | 20.80 | 22.85 | 37.11 | 25.49 | 1.18 | 75.93 | 0.39 | | 12.84 | | |
| | | 2007 | 22.67 | 24.44 | 42.57 | 22.07 | 1.37 | 76.99 | 0.51 | | 17.83 | | |
| | | 2008 | 21.14 | 23.48 | 50.18 | 26.65 | 1.24 | 94.23 | 0.46 | | 15.35 | | |
| | | 2009 | 17.45 | 17.90 | 24.39 | 11.38 | 0.98 | 57.12 | 0.30 | | 9.69 | | |
| | | 2010 | 15.20 | 18.10 | 30.40 | 3.55 | | | 0.30 | 0.58 | 10.40 | | |
| | | 2011 | 16.05 | 19.04 | 30.35 | 3.83 | | | 0.34 | 0.80 | 9.21 | | |
| | | 2012 | 16.81 | 19.98 | 29.72 | 3.87 | | | 0.34 | 0.64 | 11.98 | | |
| | | 2013 | 22.60 | 25.96 | 34.59 | 34.59 | 1.40 | | 0.42 | 0.79 | 11.90 | | |
| LIBERTY PULTRUSIONS 1575 Lebanon School Road West Mifflin, PA 15122 | 15122 | 2000 | 0.23 | 0.28 | 0.06 | 0.03 | 0.02 | 0.11 | 0.00 | | 9.41 | 3083 | LAMINATED PLASTICS, PLATE & SHEET |
| | | 2001 | 0.23 | 0.28 | 0.06 | 0.03 | 0.02 | 0.11 | 0.00 | | 6.29 | | |
| | | 2002 | 0.23 | 0.28 | 0.03 | 0.03 | 0.02 | 0.11 | 0.00 | | 6.29 | | |
| | | 2003 | 0.23 | 0.28 | 0.98 | 0.01 | 0.02 | 6.20 | 0.00 | | 6.02 | | |
| | | 2004 | 0.24 | 0.28 | 0.98 | 0.01 | 0.02 | 6.20 | 0.00 | | 7.39 | | |
| | | 2005 | 0.21 | 0.25 | 0.07 | 0.07 | 0.01 | 0.13 | 0.00 | | 9.72 | | |
| | | 2006 | 0.29 | 0.35 | 0.04 | 0.11 | 0.02 | 0.04 | 0.00 | | 9.44 | | |
| | | 2007 | 0.41 | 0.48 | 0.07 | 0.01 | 0.03 | 0.14 | 0.00 | | 11.31 | | |
| | | 2008 | 0.56 | 0.67 | 0.08 | 0.01 | 0.04 | 0.15 | 0.00 | | 4.40 | | |
| | | 2009 | 0.42 | 0.49 | 0.06 | 0.06 | 0.03 | 0.10 | 0.00 | | 8.23 | | |
| | | 2010 | 0.31 | 0.37 | 0.06 | 0.01 | | | 0.00 | 0.01 | 9.54 | | |
| | | 2011 | 0.29 | 0.34 | 0.07 | 0.01 | | | 0.00 | 0.01 | 10.87 | | |
| | | 2012 | 0.19 | 0.22 | 0.07 | 0.00 | | | 0.00 | 0.01 | 13.34 | | |
| | | 2013 | 0.23 | 0.27 | 0.06 | 0.01 | | | 0.00 | 0.01 | 11.87 | | |
| LINDY PAVING - NEVILLE ISLAND (FORMERLY TRUMBULL) 4500 Neville Road Pittsburgh, PA 15225 | 15225 | 2000 | 19.68 | 5.98 | 23.39 | 2.47 | 0.58 | 63.14 | 0.64 | | 4.87 | 2951 | PAVING MIXTURES & BLOCKS |
| | | 2001 | 17.86 | 6.28 | 13.68 | 10.97 | 2.27 | 48.43 | 0.64 | | 4.48 | | |
| | | 2002 | 20.97 | 8.91 | 14.46 | 11.67 | 2.62 | 50.65 | 0.84 | | 5.35 | | |
| | | 2003 | 17.36 | 6.86 | 14.24 | 11.94 | 2.47 | 45.79 | 0.66 | | 4.40 | | |
| | | 2004 | 25.49 | 8.61 | 12.03 | 4.06 | 3.68 | 40.83 | 0.87 | | 9.16 | | |
| | | 2005 | 25.07 | 8.68 | 15.27 | 4.92 | 3.62 | 55.30 | 0.87 | | 9.05 | | |
| | | 2006 | 28.42 | 9.70 | 16.06 | 5.23 | 4.10 | 57.29 | 0.98 | | 10.25 | | |
| | | 2007 | 15.39 | 10.37 | 6.41 | 1.46 | 1.10 | 30.68 | 0.88 | | 6.77 | | |
| | | 2008 | 32.29 | 19.91 | 13.36 | 2.95 | 2.32 | 64.54 | 1.75 | | 14.09 | | |
| | | 2009 | 7.67 | 14.79 | 8.84 | 1.87 | 1.58 | 42.77 | 1.27 | | 9.74 | | |
| | | 2010 | 25.30 | 17.70 | 5.30 | 2.18 | | | 1.50 | 0.00 | 11.30 | | |
| | | 2011 | 24.18 | 17.45 | 5.07 | 2.12 | | | 1.45 | 0.00 | 10.82 | | |
| | | 2012 | 26.30 | 18.93 | 5.52 | 2.31 | | | 1.57 | 0.00 | 11.76 | | |
| | | 2013 | 24.77 | 14.80 | 4.41 | 1.71 | 2.49 | | 1.25 | 0.00 | 10.99 | | |
| LINDY PAVING - SECOND AVENUE 2340 2nd Avenue Pittsburgh, PA 15219 | 15219 | 2000 | 7.55 | 6.12 | 11.25 | 1.13 | 5.66 | 24.57 | 0.57 | | 6.68 | 2951 | PAVING MIXTURES & BLOCKS |
| | | 2001 | 19.71 | 6.80 | 14.04 | 7.82 | 0.00 | 35.22 | 0.66 | | 4.91 | | |
| | | 2002 | 20.41 | 7.75 | 15.31 | 12.83 | 1.67 | 50.87 | 0.73 | | 1.23 | | |
| | | 2003 | 24.91 | 9.76 | 18.61 | 15.60 | 0.94 | 57.59 | 0.90 | | 1.51 | | |
| | | 2004 | 30.41 | 11.78 | 21.68 | 18.44 | 1.15 | 69.12 | 1.09 | | 1.83 | | |
| | | 2005 | 30.18 | 11.73 | 24.75 | 21.72 | 1.16 | 76.28 | 1.09 | | 1.83 | | |
| | | 2006 | 33.28 | 12.81 | 27.25 | 23.92 | 1.26 | 83.96 | 1.19 | | 2.02 | | |
| | | 2009 | 29.39 | 17.65 | 20.86 | 16.82 | 1.06 | 83.43 | 1.55 | | 5.99 | | |
| | | 2010 | 29.60 | 17.30 | 4.00 | 1.83 | | | 1.60 | 0.00 | 9.90 | | |
| | | 2011 | 27.56 | 17.54 | 3.78 | 1.80 | | | 1.54 | 0.00 | 9.24 | | |
| | | 2012 | 31.09 | 20.12 | 3.92 | 1.74 | | | 1.64 | 0.00 | 7.79 | | |
| | | 2013 | 30.23 | 20.65 | 3.86 | 1.76 | 1.18 | | 1.67 | 0.00 | 7.63 | | |
| MATTHEWS INTL BRONZE DIVISION 1315 WEST LIBERTY AVE. PITTSBURGH, PA 15226 | 15226 | 2010 | 0.80 | 1.00 | 23.90 | 13.45 | | | 0.00 | 0.16 | 21.10 | 3366 | MANUFACTURING COPPER FOUNDRIES |
| | | 2011 | 0.80 | 0.95 | 23.45 | 12.80 | | | 0.01 | 0.03 | 17.63 | | |
| | | 2012 | 0.80 | 0.96 | 23.90 | 12.99 | | | 0.01 | 0.03 | 18.73 | | |
| | | 2013 | 0.76 | 0.90 | 23.41 | 12.83 | 0.05 | | 0.01 | 0.03 | 11.53 | | |
| MCCONWAY & TORLEY CORPORATION 109 Forty-Eighth Street Pittsburgh, PA 15201 | 15201 | 2000 | 9.55 | 8.47 | 31.56 | 23.81 | 1.11 | 37.55 | 1.65 | | 7.70 | 3325 | STEEL FOUNDRIES |
| | | 2001 | 7.43 | 5.82 | 57.49 | 48.36 | 1.00 | 65.67 | 1.63 | | 2.61 | | |
| | | 2002 | 7.67 | 5.70 | 50.77 | 43.64 | 1.19 | 57.01 | 1.95 | | 2.91 | | |
| | | 2003 | 12.97 | 9.26 | 70.34 | 56.70 | 2.16 | 79.11 | 3.36 | | 5.08 | | |
| | | 2004 | 13.38 | 9.98 | 30.63 | 17.72 | 3.24 | 49.44 | 4.24 | | 7.73 | | |
| | | 2005 | 16.28 | 11.90 | 36.11 | 20.83 | 3.61 | 57.63 | 5.06 | | 7.01 | | |
| | | 2006 | 15.45 | 11.29 | 38.40 | 22.67 | 2.01 | 60.94 | 5.14 | | 6.92 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

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|---|-------|------|-------|-------|---------------------|----------------------|--------|-------------------|------|------|--------|----------|--------------------------------------|
| | | 2007 | 18.81 | 16.43 | 26.69 | 14.43 | 1.92 | 47.14 | 4.57 | | 2.39 | | |
| | | 2008 | 14.58 | 8.90 | 38.85 | 18.85 | 1.89 | 69.30 | 6.19 | | 12.43 | | |
| | | 2009 | 9.97 | 5.93 | 18.65 | 9.29 | 1.82 | 33.25 | 4.39 | | 2.94 | | |
| | | 2010 | 14.30 | 9.90 | 20.90 | 9.77 | | | 5.40 | 0.06 | 4.20 | | |
| | | 2011 | 20.28 | 13.10 | 34.68 | 16.34 | | | 8.44 | 0.07 | 7.05 | | |
| | | 2012 | 27.94 | 14.29 | 36.94 | 17.54 | | | 9.25 | 0.04 | 9.13 | | |
| | | 2013 | 30.18 | 20.75 | 37.96 | 17.73 | 6.81 | | 7.36 | 0.09 | 11.48 | | |
| MERCY HOSPITAL OF PITTSBURGH 1400 Locust Street Pittsburgh, PA 15219 | 15219 | 2000 | 6.33 | 7.53 | 0.14 | 0.14 | 0.43 | 0.14 | 0.05 | | 2.93 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 6.18 | 7.36 | 0.14 | 0.14 | 0.42 | 0.14 | 0.04 | | 2.89 | | |
| | | 2002 | 5.91 | 7.06 | 2.99 | 2.99 | 0.40 | 2.99 | 0.29 | | 3.20 | | |
| | | 2003 | 6.16 | 7.36 | 3.00 | 2.99 | 0.42 | 3.00 | 0.39 | | 3.13 | | |
| | | 2004 | 6.37 | 7.64 | 3.00 | 3.00 | 0.43 | 3.00 | 0.15 | | 3.08 | | |
| | | 2005 | 6.50 | 7.78 | 3.00 | 3.00 | 0.44 | 3.01 | 0.22 | | 3.15 | | |
| | | 2006 | 6.04 | 7.37 | 1.19 | 1.19 | 0.40 | 1.19 | 0.05 | | 5.51 | | |
| | | 2007 | 6.27 | 7.47 | 3.00 | 3.00 | 0.43 | 3.00 | 0.06 | | 8.67 | | |
| | | 2008 | 6.16 | 7.37 | 1.20 | 1.20 | 0.42 | 1.20 | 0.10 | | 3.24 | | |
| | | 2009 | 6.03 | 7.25 | 1.11 | 1.11 | 0.41 | 1.11 | 0.08 | | 5.95 | | |
| | | 2010 | 6.20 | 7.40 | 1.30 | 1.28 | | | 0.20 | 0.24 | 4.50 | | |
| | | 2011 | 6.18 | 7.38 | 0.89 | 0.89 | | | 0.04 | 0.24 | 3.61 | | |
| | | 2012 | 6.01 | 7.19 | 1.14 | 1.14 | | | 0.16 | 0.23 | 2.19 | | |
| | | 2013 | 6.56 | 7.84 | 0.99 | 0.99 | 0.45 | | 0.08 | 0.25 | 2.89 | | |
| NEVILLE CHEMICAL COMPANY 2800 Neville Road Pittsburgh, PA 15225 | 15225 | 2000 | 29.30 | 54.72 | 3.41 | 2.26 | 2.11 | 10.90 | 6.17 | | 382.68 | 2821 | PLASTICS, MATERIALS & RESINS |
| | | 2001 | 28.35 | 51.11 | 3.43 | 2.39 | 2.06 | 10.98 | 6.55 | | 317.68 | | |
| | | 2002 | 28.87 | 57.35 | 3.61 | 2.63 | 2.12 | 11.16 | 9.75 | | 266.05 | | |
| | | 2003 | 31.36 | 37.61 | 3.97 | 2.29 | 2.31 | 10.72 | 4.72 | | 241.06 | | |
| | | 2004 | 29.22 | 31.69 | 3.42 | 2.14 | 2.03 | 8.44 | 3.32 | | 241.56 | | |
| | | 2005 | 21.75 | 26.52 | 2.66 | 1.87 | 1.63 | 6.06 | 3.04 | | 231.11 | | |
| | | 2006 | 10.27 | 23.91 | 2.57 | 1.43 | 1.61 | 5.99 | 6.05 | | 144.20 | | |
| | | 2007 | 12.02 | 22.83 | 4.02 | 2.88 | 1.25 | 7.38 | 3.17 | | 115.84 | | |
| | | 2008 | 15.08 | 22.12 | 4.87 | 3.01 | 1.46 | 10.62 | 0.62 | | 112.88 | | |
| | | 2009 | 10.79 | 11.63 | 2.85 | 1.86 | 0.80 | 5.69 | 0.16 | | 94.12 | | |
| | | 2010 | 13.00 | 14.00 | 2.70 | 2.26 | | | 0.20 | 1.43 | 100.90 | | |
| | | 2011 | 12.19 | 14.16 | 2.71 | 2.24 | | | 0.14 | 1.58 | 90.61 | | |
| | | 2012 | 12.11 | 13.53 | 2.66 | 2.26 | | | 0.14 | 1.70 | 93.75 | | |
| | | 2013 | 10.68 | 12.17 | 1.79 | 1.76 | 0.73 | | 0.08 | 3.05 | 85.88 | | |
| NRG ENERGY CENTER PITTSBURGH 111 S. Commons Avenue Pittsburgh, PA 15212 | 15212 | 2000 | 46.12 | 63.08 | 1.09 | 1.05 | 3.18 | 1.14 | 2.25 | | 3.02 | 4961 | STEAM SUPPLY |
| | | 2001 | 33.73 | 47.25 | 0.84 | 0.78 | 2.37 | 0.93 | 3.43 | | 2.21 | | |
| | | 2002 | 31.73 | 43.93 | 0.72 | 0.72 | 2.15 | 0.72 | 0.23 | | 2.08 | | |
| | | 2003 | 30.76 | 43.88 | 1.11 | 1.10 | 2.10 | 1.12 | 0.59 | | 2.01 | | |
| | | 2004 | 28.28 | 40.41 | 1.33 | 1.33 | 1.92 | 1.33 | 0.24 | | 1.86 | | |
| | | 2005 | 38.02 | 56.74 | 1.60 | 1.60 | 2.58 | 1.60 | 0.27 | | 2.49 | | |
| | | 2006 | 23.06 | 34.25 | 0.91 | 0.91 | 1.56 | 1.03 | 0.16 | | 1.51 | | |
| | | 2007 | 24.50 | 40.52 | 0.98 | 0.98 | 1.66 | 0.98 | 0.17 | | 1.60 | | |
| | | 2008 | 20.86 | 34.21 | 0.84 | 0.84 | 1.42 | 0.84 | 0.15 | | 1.37 | | |
| | | 2009 | 20.17 | 33.90 | 0.91 | 0.94 | 1.34 | 2.25 | 0.26 | | 1.42 | | |
| | | 2010 | 21.80 | 34.90 | 0.90 | 0.90 | | | 0.20 | 0.13 | 1.40 | | |
| | | 2011 | 22.65 | 33.39 | 3.26 | 3.26 | | | 0.16 | 0.13 | 1.48 | | |
| | | 2012 | 24.08 | 35.50 | 0.69 | 0.69 | | | 0.17 | 0.14 | 1.58 | | |
| | | 2013 | 27.19 | 38.67 | 0.77 | 0.77 | 1.85 | | 0.20 | 0.16 | 1.78 | | |
| OK GROCERY PERISHABLES WHSE/PGH 735 Beechnut Dr. Pittsburgh, PA 15205-1803 | 15205 | 2013 | 1.53 | 5.75 | 0.18 | 0.09 | 0.01 | | 0.00 | | 0.43 | | |
| PANNIER CORPORATION 345 Oak Road Gibsonia, PA 15044 | 15044 | 2000 | 0.11 | 0.14 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 10.84 | 3083 | LAMINATED PLASTICS, PLATE & SHEET |
| | | 2001 | 0.10 | 0.12 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 7.94 | | |
| | | 2002 | 0.09 | 0.11 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 7.77 | | |
| | | 2003 | 0.09 | 0.11 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 8.64 | | |
| | | 2004 | 0.10 | 0.12 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 10.58 | | |
| | | 2005 | 0.09 | 0.11 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 9.88 | | |
| | | 2006 | 0.12 | 0.14 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 9.37 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-------|------|-------|--------|---------------------|----------------------|--------|-------------------|------|------|-------|----------|---|
| | | 2007 | 0.11 | 0.13 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 10.26 | | |
| | | 2008 | 0.11 | 0.13 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 11.81 | | |
| | | 2009 | 0.10 | 0.12 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 6.60 | | |
| | | 2010 | 0.10 | 0.10 | 0.00 | 0.00 | | | 0.00 | 0.00 | 8.60 | | |
| | | 2011 | 0.10 | 0.12 | 0.00 | 0.00 | | | 0.00 | 0.00 | 9.30 | | |
| | | 2013 | 0.09 | 0.11 | 0.00 | 0.00 | | | 0.00 | 0.00 | 8.92 | | |
| PA AIR NATIONAL GUARD/171ST REFUELING WING 300 Tanker Rd. Pittsburgh Intl. Airport CORAOPLIS, PA 15108 - 4805 | | 2010 | | | | | | | | | | | |
| | | 2011 | 1.29 | 2.16 | 0.09 | 0.04 | | | 0.05 | 0.05 | 0.75 | | |
| | | 2012 | 1.17 | 2.05 | 0.09 | 0.03 | | | 0.05 | 0.04 | 3.32 | | |
| | | 2013 | 1.73 | 4.02 | 0.21 | 0.20 | 0.09 | | 0.17 | 0.01 | 2.58 | | |
| PITTSBURGH ALLEGHENY COUNTY THERMAL, LTD 120 Cecil Way Pittsburgh, PA 15222 | 15222 | 2000 | 36.40 | 121.39 | 0.84 | 0.83 | 2.48 | 0.85 | 0.54 | | 2.38 | 4961 | STEAM SUPPLY |
| | | 2001 | 34.06 | 87.85 | 0.79 | 0.77 | 2.40 | 0.81 | 0.54 | | 2.24 | | |
| | | 2002 | 35.53 | 91.04 | 0.80 | 0.80 | 2.41 | 0.80 | 0.25 | | 2.33 | | |
| | | 2003 | 38.10 | 94.77 | 0.88 | 0.86 | 2.66 | 0.89 | 0.39 | | 2.50 | | |
| | | 2004 | 39.51 | 98.02 | 0.89 | 0.89 | 2.68 | 0.90 | 0.37 | | 2.59 | | |
| | | 2005 | 36.63 | 103.51 | 0.83 | 0.83 | 2.49 | 0.83 | 0.26 | | 2.40 | | |
| | | 2006 | 32.10 | 89.70 | 0.73 | 0.73 | 2.18 | 0.73 | 0.23 | | 2.11 | | |
| | | 2007 | 30.80 | 74.34 | 0.70 | 0.70 | 2.09 | 0.70 | 0.22 | | 2.02 | | |
| | | 2008 | 32.24 | 77.86 | 0.73 | 0.73 | 2.19 | 0.73 | 0.23 | | 2.11 | | |
| | | 2009 | 31.36 | 99.22 | 0.73 | 0.71 | 2.15 | 1.67 | 0.26 | | 2.06 | | |
| | | 2010 | 31.90 | 98.60 | 0.70 | 0.01 | | | 0.20 | 0.19 | 2.10 | | |
| | | 2011 | 27.95 | 88.63 | 0.63 | 0.63 | | | 0.20 | 0.17 | 1.84 | | |
| | | 2012 | 25.13 | 81.40 | 0.57 | 0.57 | | | 0.18 | 0.15 | 1.65 | | |
| | | 2013 | 28.16 | 68.94 | 0.64 | 0.64 | 1.91 | | 0.20 | 0.16 | 1.85 | | |
| PITTSBURGH ELECTRICAL INSULATION 800 Martha Street Munhall, PA 15120 (Source no longer required to submit emissions inventory) | 15120 | 2000 | 0.06 | 0.07 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | | 9.52 | 5065 | ELECTRICAL PARTS & EQUIPMENT |
| | | 2001 | 0.15 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.62 | | |
| | | 2002 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.76 | | |
| | | 2003 | 0.07 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.31 | | |
| | | 2004 | 0.71 | 0.85 | 0.02 | 0.02 | 0.00 | 0.02 | 0.01 | | 0.50 | | |
| | | 2005 | 0.07 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.66 | | |
| | | 2006 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.73 | | |
| | | 2007 | 0.05 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.77 | | |
| | | 2008 | 0.04 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 11.03 | | |
| | | 2009 | 0.04 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 8.06 | | |
| | | 2010 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | 5.70 | | |
| | | 2011 | 0.04 | 0.05 | 0.00 | 0.00 | | | 0.00 | 0.00 | 11.67 | | |
| PITTSBURGH TERMINALS CORP/ CORAOPLIS TERMINAL 9 THORN STREET CORAOPLIS, PA 15108 | 15108 | 2000 | 7.71 | 3.16 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | | 59.48 | 5171 | PETROLEUM BULK STATIONS & TERMINALS |
| | | 2001 | 7.83 | 3.22 | 0.00 | 0.00 | 0.01 | 0.01 | 0.03 | | 58.78 | | |
| | | 2002 | 7.57 | 3.14 | 0.00 | 0.00 | 0.01 | 0.01 | 0.04 | | 52.73 | | |
| | | 2003 | 8.27 | 3.42 | 0.00 | 0.00 | 0.01 | 0.00 | 0.04 | | 37.11 | | |
| | | 2004 | 9.03 | 3.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.87 | | |
| | | 2005 | 4.72 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.96 | | |
| | | 2006 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 38.47 | | |
| | | 2007 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 35.93 | | |
| | | 2008 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 42.28 | | |
| | | 2009 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 41.41 | | |
| | | 2010 | 0.10 | 0.10 | 0.00 | 0.01 | | | 0.00 | 0.00 | 37.50 | | |
| | | 2011 | 0.01 | 0.01 | 0.00 | 0.00 | | | 0.00 | 0.00 | 36.25 | | |
| | | 2012 | 0.01 | 0.01 | 0.00 | 0.00 | | | 0.00 | 0.00 | 37.07 | | |
| | | 2013 | 0.02 | 0.03 | 0.00 | 0.00 | 0.00 | | 0.05 | 0.00 | 46.41 | | |
| PITTSBURGH TERMINALS CORP / NEVILLE ISLAND TERMINAL 2760 NEVILLE ROAD PITTSBURGH, PA 15225 | 15225 | 2000 | 0.28 | 0.45 | 0.03 | 0.00 | 0.00 | 0.03 | 0.03 | | 59.60 | 5171 | PETROLEUM BULK STATIONS & TERMINALS |
| | | 2001 | 0.28 | 0.45 | 0.03 | 0.00 | 0.00 | 0.03 | 0.03 | | 38.89 | | |
| | | 2002 | 0.28 | 0.45 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 39.87 | | |
| | | 2003 | 0.30 | 0.47 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 28.10 | | |
| | | 2004 | 0.30 | 0.47 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 23.30 | | |
| | | 2005 | 0.30 | 0.47 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 26.24 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-------|------|-------|-------|---------------------|----------------------|--------|-------------------|------|------|--------|----------|-------------------------------------|
| | | 2006 | 0.30 | 0.47 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 25.33 | | |
| | | 2007 | 0.30 | 0.47 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 27.46 | | |
| | | 2008 | 0.30 | 0.47 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 26.71 | | |
| | | 2009 | 0.30 | 0.47 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 23.87 | | |
| | | 2010 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | 24.69 | | |
| | | 2011 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 17.76 | | |
| | | 2012 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 22.57 | | |
| | | 2013 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 27.53 | | |
| PPG INDUSTRIES - CHEMICALS TECHNICAL CENTER | 15146 | 2000 | 1.68 | 2.00 | 0.04 | 0.04 | 0.11 | 0.04 | 0.01 | | 8.17 | 2812 | ALKALIES & CHLORINE |
| 440 College Park Drive Monroeville, PA 15146 | | 2001 | 2.48 | 2.95 | 0.06 | 0.06 | 0.17 | 0.06 | 0.02 | | 9.92 | | |
| | | 2002 | 1.97 | 2.35 | 0.04 | 0.04 | 0.13 | 0.04 | 0.01 | | 12.72 | | |
| | | 2003 | 1.97 | 2.35 | 0.04 | 0.04 | 0.13 | 0.04 | 0.01 | | 15.63 | | |
| | | 2004 | 1.97 | 2.35 | 0.04 | 0.04 | 0.13 | 0.04 | 0.01 | | 15.47 | | |
| | | 2005 | 2.70 | 3.21 | 0.06 | 0.06 | 0.18 | 0.06 | 0.02 | | 11.60 | | |
| | | 2006 | 1.79 | 2.13 | 0.04 | 0.04 | 0.12 | 0.04 | 0.01 | | 8.43 | | |
| | | 2007 | 2.37 | 2.82 | 0.05 | 0.05 | 0.16 | 0.05 | 0.02 | | 12.03 | | |
| | | 2008 | 2.47 | 2.94 | 0.06 | 0.06 | 0.17 | 0.06 | 0.02 | | 10.61 | | |
| | | 2009 | 2.17 | 2.58 | 0.05 | 0.05 | 0.15 | 0.05 | 0.02 | | 10.31 | | |
| | | 2010 | 2.50 | 3.20 | 0.10 | 0.10 | | | 0.10 | 0.01 | 13.50 | | |
| | | 2011 | 2.54 | 2.47 | 0.10 | 0.10 | | | 0.03 | 0.01 | 8.89 | | |
| | | 2012 | 2.45 | 3.06 | 1.37 | 1.37 | | | 0.03 | 0.01 | 19.32 | | |
| | | 2013 | 2.75 | 3.42 | 0.85 | 0.85 | 0.18 | | 0.05 | 0.02 | 10.55 | | |
| PPG INDUSTRIES, INC. | 15144 | 2000 | 7.17 | 6.54 | 3.01 | 3.00 | 7.29 | 3.01 | 2.05 | | 234.24 | 2851 | PAINTS & ALLIED PRODUCTS |
| 125 Colfax Street Springdale, PA 15144 | | 2001 | 6.36 | 5.61 | 2.67 | 0.36 | 6.49 | 2.67 | 2.00 | | 200.10 | | |
| | | 2002 | 2.90 | 5.75 | 3.01 | 0.35 | 6.28 | 3.01 | 1.77 | | 223.72 | | |
| | | 2003 | 4.52 | 3.96 | 2.33 | 2.33 | 5.18 | 2.33 | 1.46 | | 165.09 | | |
| | | 2004 | 2.85 | 2.26 | 2.41 | 2.02 | 0.13 | 2.41 | 1.15 | | 134.03 | | |
| | | 2005 | 4.01 | 4.77 | 2.78 | 2.78 | 0.27 | 2.78 | 0.03 | | 140.14 | | |
| | | 2006 | 4.13 | 4.91 | 2.78 | 2.78 | 0.28 | 2.78 | 0.03 | | 128.67 | | |
| | | 2007 | 3.53 | 4.20 | 1.86 | 1.86 | 0.24 | 1.86 | 0.03 | | 86.35 | | |
| | | 2008 | 3.35 | 3.99 | 3.18 | 3.18 | 0.22 | 3.18 | 0.02 | | 84.92 | | |
| | | 2009 | 5.19 | 6.18 | 3.33 | 3.33 | 0.35 | 3.33 | 0.04 | | 36.66 | | |
| | | 2010 | 8.60 | 10.20 | 3.40 | 3.40 | | | 0.10 | 0.32 | 38.00 | | |
| | | 2011 | 6.23 | 10.09 | 4.02 | 4.02 | | | 0.06 | 0.28 | 40.35 | | |
| | | 2012 | 8.47 | 10.13 | 3.70 | 3.70 | | | 0.06 | 0.24 | 33.31 | | |
| | | 2013 | 8.59 | 10.22 | 3.84 | 3.84 | 0.58 | | 0.06 | 0.33 | 32.33 | | |
| PRECOAT METALS, A DIV. OF SEQUA COATINGS | 15132 | 2000 | 8.87 | 10.56 | 0.20 | 0.20 | 0.59 | 0.20 | 0.06 | | 41.73 | 3479 | METAL COATINGS & ALLIED SERVICES |
| 3500 Walnut St McKeesport, PA 15132 | | 2001 | 12.24 | 14.57 | 0.28 | 0.28 | 0.81 | 0.28 | 0.09 | | 47.35 | | |
| | | 2002 | 9.40 | 11.19 | 0.21 | 0.21 | 0.62 | 0.21 | 0.07 | | 50.20 | | |
| | | 2003 | 12.16 | 14.47 | 0.27 | 0.27 | 0.81 | 0.27 | 0.09 | | 56.59 | | |
| no longer in business | | 2004 | 9.46 | 11.26 | 0.21 | 0.21 | 0.63 | 0.21 | 0.07 | | 58.39 | | |
| | | 2005 | 10.35 | 12.33 | 0.23 | 0.23 | 0.69 | 0.23 | 0.07 | | 19.75 | | |
| | | 2006 | 9.55 | 11.37 | 0.22 | 0.22 | 0.63 | 0.22 | 0.07 | | 18.23 | | |
| | | 2007 | 9.36 | 11.14 | 0.21 | 0.21 | 0.62 | 0.21 | 0.07 | | 16.73 | | |
| | | 2008 | 9.44 | 11.24 | 0.21 | 0.21 | 0.63 | 0.21 | 0.07 | | 17.63 | | |
| | | 2009 | 1.77 | 2.11 | 0.04 | 0.04 | 0.12 | 0.04 | 0.01 | | 2.23 | | |
| PRESSURE CHEMICAL COMPANY | 15201 | 2000 | 0.40 | 0.48 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 29.73 | 2869 | INDUSTRIAL ORGANIC CHEMICALS |
| 3419 Smallman Street Pittsburgh, PA 15201 | | 2001 | 0.34 | 0.41 | 0.01 | 0.01 | 0.02 | 0.01 | 0.00 | | 24.02 | | |
| | | 2002 | 0.42 | 0.50 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 22.03 | | |
| | | 2003 | 0.46 | 0.55 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 22.03 | | |
| | | 2004 | 0.48 | 0.58 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 18.82 | | |
| | | 2005 | 0.42 | 0.50 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 24.13 | | |
| | | 2006 | 0.38 | 0.45 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 23.09 | | |
| | | 2007 | 0.47 | 0.55 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 11.40 | | |
| | | 2008 | 0.45 | 0.54 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 9.13 | | |
| | | 2009 | 0.37 | 0.44 | 0.01 | 0.01 | 0.02 | 0.01 | 0.00 | | 5.80 | | |
| | | 2010 | 0.40 | 0.50 | 0.00 | 0.04 | | | 0.00 | | 7.30 | | |
| | | 2011 | 0.43 | 0.51 | 0.01 | 0.00 | | | 0.00 | 0.00 | 4.43 | | |
| | | 2012 | 0.39 | 0.47 | 0.01 | 0.01 | | | 0.00 | 0.02 | 5.65 | | |
| | | 2013 | 0.51 | 0.61 | 0.01 | 0.01 | 0.04 | | 0.00 | 0.02 | 4.09 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A: Point Source Criteria Air Emissions Report 2000-2013

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|--|-----------|--------|--------|--------|---------------------|----------------------|--------|-------------------|--------|------|--------|----------|---|
| REDLAND BRICK INC. 230 RICH HILL ROAD CHESWICK, PA 15024 | 15024 | 2000 | 24.60 | 14.90 | 11.07 | 1.14 | 18.07 | 15.37 | 83.98 | | 2.04 | 3251 | BRICK & STRUCTURAL CLAY TILE |
| | | 2001 | 25.21 | 12.76 | 11.33 | 1.19 | 11.57 | 18.50 | 41.69 | | 1.82 | | |
| | | 2002 | 56.11 | 29.29 | 20.82 | 15.59 | 3.96 | 31.48 | 2.78 | | 3.21 | | |
| | | 2003 | 58.81 | 31.52 | 19.38 | 17.07 | 5.30 | 27.76 | 38.31 | | 3.32 | | |
| | | 2004 | 65.49 | 35.20 | 21.84 | 17.53 | 13.03 | 32.06 | 22.86 | | 5.84 | | |
| | | 2005 | 96.34 | 39.17 | 12.66 | 9.88 | 13.44 | 21.90 | 24.12 | | 23.30 | | |
| | | 2006 | 88.01 | 36.11 | 10.00 | 9.10 | 13.45 | 17.23 | 26.78 | | 21.49 | | |
| | | 2007 | 88.35 | 35.14 | 15.97 | 12.37 | 11.96 | 23.70 | 34.58 | | 21.78 | | |
| | | 2008 | 51.42 | 19.93 | 7.62 | 6.20 | 5.15 | 13.69 | 60.09 | | 4.19 | | |
| | | 2009 | 38.48 | 34.71 | 6.26 | 4.88 | 3.86 | 11.98 | 32.75 | | 2.87 | | |
| | | 2010 | 23.30 | 16.40 | 7.20 | 0.04 | | | 21.40 | | 1.30 | | |
| | | 2011 | 47.74 | 21.01 | 12.21 | 11.24 | | | 42.07 | 0.00 | 1.61 | | |
| | | 2012 | 29.08 | 14.44 | 2.98 | 2.19 | | | 28.22 | 0.00 | 0.81 | | |
| 2013 | 14.80 | 8.60 | 2.69 | 2.00 | 3.70 | | 15.80 | | 0.19 | | | | |
| ROYSTON LABORATORIES DIVISION/CHASE CORP 128 First Street Pittsburgh, PA 15238 | 15238 | 2000 | 0.04 | 0.05 | 0.05 | 0.01 | 0.00 | 0.05 | 0.00 | | 7.19 | 2891 | ADHESIVES & SEALANTS |
| | | 2001 | 0.03 | 0.04 | 0.10 | 0.01 | 0.00 | 0.10 | 0.00 | | 9.60 | | |
| | | 2002 | 0.03 | 0.04 | 0.09 | 0.09 | 0.00 | 0.09 | 0.00 | | 6.09 | | |
| | | 2003 | 0.04 | 0.05 | 3.14 | 3.14 | 0.00 | 3.14 | 0.00 | | 6.38 | | |
| | | 2004 | 0.05 | 0.05 | 3.40 | 3.40 | 0.00 | 3.40 | 0.00 | | 6.47 | | |
| | | 2005 | 0.12 | 0.14 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | | 8.58 | | |
| | | 2006 | 0.10 | 0.12 | 0.01 | 0.01 | 0.01 | 0.02 | 0.00 | | 22.08 | | |
| | | 2007 | 0.08 | 0.10 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | | 17.13 | | |
| | | 2008 | 0.08 | 0.09 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | | 15.00 | | |
| | | 2009 | 0.07 | 0.09 | 0.01 | 0.01 | 0.00 | 0.02 | 0.00 | | 9.50 | | |
| | | 2010 | 0.20 | 0.30 | 0.00 | 0.00 | | | 0.00 | | 5.10 | | |
| | | 2011 | 0.22 | 0.26 | 0.01 | 0.01 | | | 0.00 | 0.00 | 4.14 | | |
| | | 2012 | 0.12 | 0.14 | 0.01 | 0.01 | | | 0.00 | 0.00 | 5.40 | | |
| 2013 | 0.21 | 0.25 | 0.04 | 0.04 | 0.02 | | 0.00 | | 4.76 | | | | |
| RR DONNELLEY PITTSBURGH 218 N. BRADDOCK AVENUE Pittsburgh, PA 15208 | 15208 | 2000 | 1.31 | 1.56 | 0.03 | 0.03 | 0.08 | 0.03 | 0.01 | | 43.53 | 2752 | COMMERCIAL LITHO PRINTING |
| | | 2001 | 1.27 | 1.51 | 0.03 | 0.03 | 0.07 | 0.02 | 0.01 | | 43.28 | | |
| | | 2002 | 0.23 | 0.27 | 0.01 | 0.01 | 0.02 | 0.01 | 0.00 | | 42.99 | | |
| | | 2003 | 0.17 | 0.20 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 23.09 | | |
| | | 2004 | 0.37 | 0.45 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 18.65 | | |
| | | 2005 | 0.38 | 0.46 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 19.07 | | |
| | | 2006 | 0.41 | 0.49 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 21.68 | | |
| | | 2007 | 0.47 | 0.55 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 20.28 | | |
| | | 2008 | 0.37 | 0.45 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 19.74 | | |
| | | 2009 | 0.37 | 0.44 | 0.01 | 0.01 | 0.03 | 0.01 | 0.00 | | 16.31 | | |
| | | 2010 | 0.38 | 0.45 | 0.01 | 0.01 | | | 0.00 | | 13.41 | | |
| | | 2011 | 0.33 | 0.39 | 0.01 | 0.01 | | | 0.00 | 0.00 | 13.94 | | |
| | | 2012 | 0.39 | 0.47 | 0.01 | 0.01 | | | 0.00 | 0.00 | 12.11 | | |
| 2013 | 0.50 | 0.59 | 0.01 | 0.01 | | | 0.00 | 0.00 | 10.32 | | | | |
| SHENANGO INC. 200 Neville Rd. Pittsburgh, PA 15225 | 15,225.00 | 2000 | 390.61 | 454.38 | 71.02 | 46.13 | 14.48 | 244.29 | 493.29 | | 43.93 | 3312 | BLAST FURNACES & STEEL MILLS |
| | | 2001 | 389.38 | 424.50 | 68.44 | 38.23 | 11.82 | 244.75 | 468.80 | | 37.44 | | |
| | | 2002 | 364.95 | 465.20 | 63.56 | 38.96 | 29.94 | 252.98 | 307.78 | | 27.39 | | |
| | | 2003 | 371.42 | 422.71 | 58.71 | 38.79 | 30.92 | 180.55 | 349.38 | | 24.29 | | |
| | | 2004 | 433.21 | 385.52 | 61.75 | 39.98 | 30.20 | 187.41 | 447.13 | | 39.41 | | |
| | | 2005 | 419.42 | 441.57 | 59.11 | 38.43 | 38.43 | 165.71 | 333.37 | | 77.14 | | |
| | | 2006 | 445.21 | 470.61 | 62.09 | 38.96 | 33.68 | 220.20 | 256.35 | | 81.76 | | |
| | | 2007 | 428.39 | 770.33 | 43.84 | 22.68 | 160.11 | 110.85 | 295.55 | | 71.91 | | |
| | | 2008 | 351.41 | 375.79 | 40.46 | 21.12 | 159.31 | 103.59 | 330.80 | | 93.43 | | |
| | | 2009 | 197.32 | 302.09 | 52.90 | 37.00 | 134.76 | 101.76 | 255.25 | | 95.55 | | |
| | | 2010 | 248.70 | 382.80 | 98.80 | 80.31 | | | 418.50 | 3.61 | 109.50 | | |
| | | 2011 | 205.34 | 427.11 | 88.68 | 70.09 | | | 371.65 | 3.22 | 99.60 | | |
| | | 2012 | 220.97 | 391.38 | 49.57 | 36.33 | | | 254.61 | 3.27 | 87.21 | | |
| 2013 | 239.16 | 391.81 | 48.52 | 34.04 | 28.35 | | 285.13 | 3.27 | 92.60 | | | | |
| SOUTH HILLS HEALTH SYSTEM - JEFFERSON CENTER Coal Valley Road Pittsburgh, PA 15236 | 15236 | 2000 | 2.79 | 3.45 | 1.25 | 0.11 | 0.20 | 6.07 | 1.09 | | 0.28 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 2.47 | 3.24 | 0.07 | 0.06 | 0.18 | 0.09 | 0.62 | | 0.26 | | |
| | | 2002 | 3.12 | 3.75 | 0.07 | 0.07 | 0.21 | 0.07 | 0.08 | | 0.26 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A: Point Source Criteria Air Emissions Report 2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION | |
|--|-------|-------|-------|-------|---------------------|----------------------|--------|-------------------|-------|------|-------|----------|--------------------------------------|--|
| | | 2003 | 2.89 | 3.46 | 0.07 | 0.07 | 0.20 | 0.07 | 0.09 | | 0.24 | | | |
| | | 2004 | 2.97 | 3.58 | 0.07 | 0.07 | 0.20 | 0.07 | 0.09 | | 0.24 | | | |
| | | 2005 | 3.22 | 3.86 | 0.19 | 0.09 | 0.22 | 0.67 | 0.10 | | | 0.26 | | |
| | | 2006 | 3.29 | 3.95 | 0.08 | 0.08 | 0.23 | 0.08 | 0.12 | | | 0.27 | | |
| | | 2007 | 3.26 | 3.89 | 0.07 | 0.07 | 0.22 | 0.08 | 0.05 | | | 0.27 | | |
| | | 2008 | 3.74 | 4.47 | 0.09 | 0.09 | 0.25 | 0.09 | 0.07 | | | 0.29 | | |
| | | 2009 | 4.10 | 4.91 | 0.09 | 0.09 | 0.28 | 0.10 | 0.09 | | | 0.32 | | |
| | | 2010 | 4.00 | 4.80 | 0.40 | 0.37 | | | 0.00 | 0.15 | | 0.30 | | |
| | | 2011 | 4.65 | 5.53 | 0.11 | 0.11 | | | 0.03 | 0.03 | | 0.35 | | |
| | | 2012 | 4.62 | 5.50 | 0.84 | 0.84 | | | 0.03 | 0.03 | | 0.37 | | |
| 2013 | 5.72 | 6.99 | 0.81 | 0.81 | 0.37 | | 0.07 | 0.03 | | 0.43 | | | | |
| STANDARD FORGED PRODUCTS, LLC 75 Nichol Avenue MCKEES ROCKS, PA 15136 (formerly Trinity industries Plant 112) | 15136 | 2000 | 12.59 | 14.99 | 1.09 | 1.09 | 0.85 | 1.09 | 0.09 | | 0.82 | 3462 | IRON & STEEL FORGINGS | |
| | | 2001 | 4.16 | 4.94 | 0.09 | 0.09 | 0.28 | 0.09 | 0.03 | | 0.27 | | | |
| | | 2002 | 6.28 | 7.48 | 0.13 | 0.13 | 0.40 | 0.13 | 0.04 | | 0.39 | | | |
| | | 2003 | 17.39 | 20.70 | 0.39 | 0.39 | 1.11 | 0.39 | 0.12 | | 1.14 | | | |
| | | 2004 | 24.80 | 30.07 | 1.17 | 1.05 | 1.72 | 1.79 | 0.18 | | 1.66 | | | |
| | | 2005 | 15.70 | 18.69 | 4.12 | 4.00 | 1.07 | 4.74 | 0.11 | | 1.03 | | | |
| | | 2006 | 19.73 | 23.49 | 4.54 | 4.42 | 1.34 | 5.16 | 0.14 | | 1.29 | | | |
| | | 2007 | 18.71 | 22.28 | 1.22 | 1.03 | 1.27 | 2.10 | 0.13 | | 1.23 | | | |
| | | 2008 | 16.46 | 19.63 | 1.15 | 0.97 | 1.12 | 2.04 | 0.12 | | 1.08 | | | |
| | | 2009 | 10.02 | 11.96 | 0.71 | 0.52 | 0.68 | 1.65 | 0.07 | | 0.66 | | | |
| | | 2010 | 8.79 | 10.50 | 1.51 | 1.31 | | | 0.07 | | 0.58 | | | |
| | | 2011 | 17.22 | 20.59 | 3.53 | 3.39 | | | 0.13 | 0.66 | 1.14 | | | |
| | | 2012 | 23.01 | 27.73 | 4.11 | 3.74 | | | 0.17 | 0.88 | 1.51 | | | |
| 2013 | 22.05 | 26.25 | 4.27 | 4.14 | 1.50 | | 0.17 | 0.84 | 1.44 | | | | | |
| STATE CORRECTIONAL INSTITUTION 3001 Beaver Ave Pittsburgh, PA 15233 | 15233 | 2000 | 10.97 | 13.82 | 3.79 | 0.30 | 0.12 | 5.13 | 42.55 | | 0.78 | 9223 | CORRECTIONAL INSTITUTIONS | |
| | | 2001 | 7.68 | 9.61 | 2.29 | 0.21 | 0.18 | 3.09 | 25.49 | | 0.57 | | | |
| | | 2002 | 6.83 | 8.56 | 2.03 | 0.19 | 0.13 | 2.74 | 22.59 | | 5.23 | | | |
| | | 2003 | 8.94 | 12.07 | 2.77 | 0.32 | 0.19 | 3.71 | 30.20 | | 0.29 | | | |
| | | 2004 | 12.52 | 15.74 | 4.87 | 0.34 | 2.12 | 6.61 | 55.28 | | 0.12 | | | |
| | | 2005 | 2.04 | 2.68 | 0.07 | 0.07 | 0.13 | 0.07 | 0.09 | | 0.16 | | | |
| | | 2006 | 1.32 | 1.57 | 0.03 | 0.03 | 0.09 | 0.03 | 0.01 | | 0.09 | | | |
| | | 2007 | 2.44 | 3.20 | 0.10 | 0.06 | 0.18 | 0.08 | 0.02 | | 0.18 | | | |
| | | 2008 | 1.80 | 4.09 | 0.34 | 0.08 | 0.23 | 0.22 | 0.02 | | 0.27 | | | |
| | | 2009 | 3.27 | 4.60 | 0.09 | 0.09 | 0.26 | 0.09 | 0.04 | | 0.64 | | | |
| | | 2010 | 3.20 | 4.80 | 0.10 | 0.12 | | | 0.10 | 0.02 | 0.70 | | | |
| | | 2011 | 3.57 | 4.63 | 0.11 | 0.11 | | | 0.06 | 0.02 | 0.25 | | | |
| | | 2012 | 3.51 | 4.57 | 0.11 | 0.11 | | | 0.06 | 0.02 | 0.25 | | | |
| 2013 | 4.21 | 4.69 | 0.12 | 0.09 | 0.31 | | 0.04 | 0.02 | 0.62 | | | | | |
| ST. CLAIR HOSPITAL 1000 BOWER HILL ROAD PITTSBURGH, PA.15243 | 15243 | 2010 | 4.30 | 5.30 | 0.10 | 0.12 | | | 0.00 | 0.02 | 0.30 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS | |
| | | 2011 | 4.00 | 4.79 | 0.19 | 0.19 | | | 0.02 | 0.00 | 0.26 | | | |
| | | 2012 | 4.53 | 5.65 | 0.22 | 0.22 | | | 0.08 | 0.00 | 0.31 | | | |
| | | 2013 | 4.42 | 5.45 | 0.21 | 0.21 | 0.30 | | 0.07 | | 0.30 | | | |
| SUN REFINING AND MARKETING 701 Freeport Rd. Pittsburgh, PA 15238 | 15238 | 2000 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 3.08 | 5171 | PETROLEUM BULK STATIONS & TERMINALS | |
| | | 2001 | 0.13 | 0.16 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 2.22 | | | |
| | | 2002 | 0.13 | 0.16 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 3.01 | | | |
| | | 2003 | 0.13 | 0.16 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 3.03 | | | |
| | | 2004 | 0.12 | 0.15 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 3.35 | | | |
| | | 2005 | 0.09 | 0.11 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 3.02 | | | |
| | | 2006 | 0.27 | 0.32 | 0.02 | 0.02 | 0.01 | 0.02 | 0.00 | | 3.84 | | | |
| | | 2007 | 0.40 | 0.12 | 0.00 | 0.00 | 0.01 | 0.00 | 0.14 | | 3.31 | | | |
| | | 2008 | 0.11 | 0.13 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 5.03 | | | |
| | | 2009 | 0.09 | 0.11 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | 5.92 | | | |
| | | 2010 | 4.10 | 1.70 | 0.10 | 0.06 | | | 0.00 | 0.00 | 7.00 | | | |
| | | 2011 | 3.15 | 1.34 | 0.05 | 0.03 | | | 0.01 | 0.00 | 4.35 | | | |
| | | 2012 | 1.05 | 0.30 | 0.01 | 0.01 | | | 0.01 | 0.00 | 6.32 | | | |
| 2013 | 0.70 | 0.20 | 0.01 | 0.01 | | | 0.01 | | 4.15 | | | | | |
| SUNOCO PARTNERS MARKETING & TERMINALS 5733 Butler Street | 15201 | 2000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 46.13 | 5171 | PETROLEUM BULK STATIONS & TERMINALS | |
| | | 2001 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 54.37 | | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A: Point Source Criteria Air Emissions Report 2000-2013

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|--|-------|--|-------|-------|---------------------|----------------------|--------|-------------------|--------|------|-------|----------|-----------------------------|--------|
| Pittsburgh, PA 15201 | | 2002 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.21 | | | |
| | | 2003 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21.00 | | | |
| | | 2004 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.24 | | | |
| | | 2005 | 0.15 | 0.18 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 21.67 | | | |
| | | 2006 | 0.07 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.54 | | | |
| | | 2007 | 0.07 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.36 | | | |
| | | 2008 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.33 | | | |
| | | 2009 | 0.09 | 0.11 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 24.79 | | | |
| | | 2010 | 0.02 | 0.09 | 0.00 | 0.00 | 0.00 | | | 0.00 | 23.98 | | | |
| | | 2011 | 0.09 | 0.10 | 0.01 | 0.00 | 0.00 | | | 0.00 | 0.00 | 24.27 | | |
| | | 2012 | 0.07 | 0.08 | 0.00 | 0.00 | 0.00 | | | 0.00 | 0.00 | 20.26 | | |
| | | 2013 | 0.06 | 0.07 | 0.00 | 0.00 | 0.00 | | | 0.00 | | 16.79 | | |
| | | TECHMET INC 15 Allegheny Sq Glassport, PA 15045-1649 | 15045 | 2013 | 0.26 | 26.24 | 0.03 | 0.01 | 0.02 | | 0.01 | 0.01 | 3.02 | 3.0249 |
| THE LANE CONSTRUCTION CORP. - BRIDGEVILLE 3 PRESTLEY ROAD BRIDGEVILLE, PA 15017 | 15017 | 2000 | 3.25 | 9.50 | 6.96 | 0.71 | 1.16 | 20.20 | 47.43 | | 1.93 | 2951 | PAVING MIXTURES & BLOCKS | |
| | | 2001 | 1.11 | 11.82 | 14.27 | 1.44 | 1.60 | 34.84 | 73.75 | | 0.87 | | | |
| | | 2002 | 1.32 | 25.48 | 4.14 | 4.14 | 1.04 | 18.89 | 29.07 | | 6.45 | | | |
| | | 2003 | 1.24 | 25.42 | 3.67 | 3.67 | 1.04 | 17.98 | 28.87 | | 6.38 | | | |
| | | 2004 | 33.01 | 21.27 | 0.35 | 0.27 | 0.33 | 1.05 | 26.98 | | 3.69 | | | |
| | | 2005 | 35.68 | 17.60 | 0.36 | 0.26 | 0.34 | 1.11 | 21.64 | | 3.10 | | | |
| | | 2006 | 34.50 | 18.60 | 0.36 | 0.27 | 0.31 | 1.09 | 21.48 | | 3.48 | | | |
| | | 2007 | 35.38 | 16.61 | 0.36 | 0.27 | 0.31 | 1.11 | 22.19 | | 3.29 | | | |
| | | 2008 | 27.81 | 19.74 | 0.26 | 0.21 | 0.24 | 0.71 | 20.04 | | 2.64 | | | |
| | | 2009 | 19.25 | 12.43 | 0.19 | 0.15 | 0.17 | 0.55 | 14.82 | | 1.97 | | | |
| | | 2010 | 17.90 | 6.60 | 0.20 | 0.13 | | | 7.00 | 0.01 | 1.40 | | | |
| | | 2011 | 25.18 | 9.22 | 0.25 | 0.18 | | | 9.77 | 0.03 | 2.01 | | | |
| | | 2012 | 18.31 | 5.81 | 7.80 | 2.06 | | | 5.17 | 0.02 | 2.79 | | | |
| | | 2013 | 4.51 | 2.62 | 11.36 | 2.86 | 1.74 | | 0.37 | | 4.91 | | | |
| THE LANE CONSTRUCTION CORP - SPRINGDALE 1000 SHEROSKY WAY SPRINGDALE, PA 15144 | 15144 | 2000 | 5.80 | 14.20 | 9.35 | 1.11 | 0.35 | 33.32 | 0.11 | | 0.21 | 2951 | PAVING MIXTURES & BLOCKS | |
| | | 2001 | 0.12 | 0.29 | 1.18 | 0.15 | 0.05 | 2.61 | 0.00 | | 0.09 | | | |
| | | 2008 | 7.68 | 2.30 | 0.37 | 0.10 | 0.68 | 1.52 | 0.05 | | 0.69 | | | |
| | | 2009 | 12.13 | 4.25 | 0.54 | 0.15 | 1.05 | 2.24 | 0.28 | | 3.60 | | | |
| | | 2010 | 5.90 | 6.10 | 1.00 | 0.32 | | | 0.40 | 0.06 | 2.70 | | | |
| | | 2011 | 3.87 | 4.00 | 0.62 | 0.20 | | | 0.24 | 0.04 | 1.76 | | | |
| | | 2012 | 2.81 | 2.94 | 0.39 | 0.14 | | | 0.16 | 0.04 | 1.07 | | | |
| | | 2013 | 2.12 | 2.27 | 0.29 | 0.10 | 0.46 | | 0.12 | 0.03 | 0.91 | | | |
| THE LANE MCKEES ROCK ASPHALT PLANT ROBB ST. MCKEES ROCKS, PA 15136 | 15136 | 2000 | 4.64 | 13.07 | 9.57 | 0.97 | 1.62 | 13.04 | 85.82 | | 2.64 | 2951 | PAVING MIXTURES & BLOCKS | |
| | | 2001 | 2.66 | 18.74 | 20.23 | 2.06 | 3.52 | 27.48 | 146.76 | | 5.65 | | | |
| | | 2002 | 1.56 | 27.57 | 4.44 | 4.43 | 0.67 | 4.46 | 22.43 | | 5.40 | | | |
| | | 2003 | 1.48 | 36.60 | 4.95 | 4.94 | 0.67 | 27.99 | 29.22 | | 6.90 | | | |
| | | 2004 | 61.69 | 40.33 | 0.52 | 0.36 | 0.40 | 1.66 | 21.51 | | 4.42 | | | |
| | | 2005 | 65.39 | 40.51 | 0.55 | 0.38 | 0.42 | 1.76 | 21.11 | | 4.67 | | | |
| | | 2006 | 64.83 | 38.67 | 0.55 | 0.38 | 0.42 | 1.76 | 18.23 | | 4.64 | | | |
| | | 2007 | 46.09 | 28.74 | 0.40 | 0.27 | 0.30 | 1.27 | 13.88 | | 3.33 | | | |
| | | 2008 | 38.95 | 28.50 | 0.63 | 0.32 | 0.25 | 1.70 | 14.01 | | 2.82 | | | |
| | | 2009 | 35.25 | 23.99 | 0.31 | 0.21 | 0.23 | 0.98 | 12.32 | | 2.55 | | | |
| | | 2010 | 38.20 | 23.70 | 0.60 | 0.30 | | | 13.20 | 0.03 | 2.70 | | | |
| | | 2011 | 31.65 | 19.64 | 1.03 | 0.25 | | | 9.61 | 0.04 | 2.27 | | | |
| | | 2012 | 23.61 | 14.65 | 0.80 | 0.56 | | | 7.17 | 0.04 | 1.71 | | | |
| | | 2013 | 19.15 | 1.19 | 0.19 | 0.06 | 0.12 | | 5.81 | 0.06 | 1.98 | | | |
| THE VALSPAR CORPORATION 2000 Westhall Street Pittsburgh, PA 15233 | 15233 | 2000 | 2.10 | 2.50 | 2.54 | 0.29 | 0.04 | 2.99 | 0.01 | | 47.68 | 2851 | PAINTS & ALLIED PRODUCTS | |
| | | 2001 | 1.58 | 1.88 | 4.00 | 0.43 | 0.03 | 4.70 | 0.01 | | 18.45 | | | |
| | | 2002 | 1.75 | 2.08 | 3.04 | 3.04 | 0.04 | 3.57 | 0.01 | | 16.44 | | | |
| | | 2003 | 1.81 | 2.15 | 2.80 | 2.80 | 0.04 | 3.29 | 0.01 | | 17.47 | | | |
| | | 2004 | 1.75 | 2.08 | 0.50 | 0.50 | 0.04 | 0.58 | 0.01 | | 17.19 | | | |
| | | 2005 | 2.07 | 2.46 | 0.28 | 0.27 | 0.04 | 0.32 | 0.01 | | 18.07 | | | |
| | | 2006 | 1.38 | 1.84 | 0.29 | 0.28 | 0.02 | 0.30 | 0.97 | | 8.93 | | | |
| | | 2007 | 0.88 | 1.47 | 0.15 | 0.13 | 0.05 | 0.18 | 0.64 | | 3.17 | | | |
| | | 2008 | 1.81 | 2.15 | 0.06 | 0.06 | 0.12 | 0.06 | 0.01 | | 2.64 | | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

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|--|-------|------|--------|-------|---------------------|----------------------|--------|-------------------|-------|------|-------|----------|--------------------------------------|
| | | 2009 | 0.86 | 1.03 | 0.04 | 0.04 | 0.06 | 0.04 | 0.01 | | 1.24 | | |
| | | 2010 | 2.90 | 3.24 | 0.38 | 0.38 | | | 0.02 | 0.11 | 1.80 | | |
| | | 2011 | 2.57 | 3.06 | 0.53 | 0.53 | | | 0.02 | 0.10 | 1.80 | | |
| | | 2012 | 2.23 | 2.66 | 0.05 | 0.05 | | | 0.02 | 0.01 | 1.85 | | |
| | | 2013 | 2.62 | 3.12 | 0.06 | 0.06 | 0.18 | | 0.02 | 0.02 | 1.98 | | |
| TUBE CITY IMS FORMERLY MULTISERVE 1300 BRADDOCK AVE. BRADDOCK, PA 15104 | 15104 | 2000 | 0.00 | 0.00 | 35.04 | 8.87 | 0.00 | 158.94 | 0.00 | | 0.00 | 7389 | SERVICES - BUSINESS SERVICES, NEC |
| | | 2001 | 0.00 | 0.00 | 23.03 | 4.85 | 0.00 | 78.42 | 0.00 | | 0.00 | | |
| | | 2002 | 0.00 | 0.00 | 25.20 | 6.07 | 0.00 | 83.32 | 0.00 | | 0.00 | | |
| | | 2003 | 0.00 | 0.00 | 26.47 | 5.34 | 0.00 | 87.85 | 0.00 | | 0.00 | | |
| | | 2004 | 0.00 | 0.00 | 28.91 | 5.55 | 0.00 | 104.09 | 0.00 | | 0.00 | | |
| | | 2005 | 0.00 | 0.00 | 28.68 | 5.56 | 0.00 | 103.56 | 0.00 | | 0.00 | | |
| | | 2006 | 0.00 | 0.00 | 31.10 | 3.44 | 0.00 | 91.56 | 0.00 | | 0.00 | | |
| | | 2007 | 0.00 | 0.00 | 27.87 | 3.07 | 0.00 | 82.46 | 0.00 | | 0.00 | | |
| | | 2008 | 0.00 | 0.00 | 1.84 | 0.30 | 0.00 | 4.69 | 0.00 | | 0.00 | | |
| | | 2009 | 0.00 | 0.00 | 1.57 | 0.26 | 0.00 | 3.69 | 0.00 | | 0.00 | | |
| | | 2010 | 0.00 | 0.00 | 2.19 | 0.32 | | | 0.00 | | 0.00 | | |
| | | 2011 | 0.00 | 0.00 | 2.16 | 0.39 | | | 0.00 | 0.00 | 0.00 | | |
| | | 2012 | 0.00 | 0.00 | 2.17 | 0.38 | | | 0.00 | 0.00 | 0.00 | | |
| | | 2013 | 0.00 | 0.00 | 13.24 | 3.74 | | | 0.00 | 0.00 | 0.00 | | |
| TUBE CITY IMS WM 516 DELWAR ROAD WEST MIFFLIN, PA 15236 | 15236 | 2000 | | | | | | | | | | 5093 | SCRAP & WASTE MATERIALS |
| | | 2001 | 0.05 | 0.07 | 3.13 | 0.58 | 0.00 | 5.74 | 0.00 | | 0.01 | | |
| | | 2002 | 0.05 | 0.07 | 3.08 | 0.65 | 0.00 | 5.72 | 0.00 | | 0.01 | | |
| | | 2003 | 0.07 | 0.08 | 3.08 | 0.65 | 0.00 | 5.72 | 0.00 | | 0.01 | | |
| | | 2004 | 0.15 | 0.17 | 7.73 | 1.17 | 0.01 | 15.99 | 0.00 | | 0.01 | | |
| | | 2005 | 0.14 | 0.17 | 3.74 | 0.85 | 0.01 | 8.46 | 0.00 | | 0.01 | | |
| | | 2006 | 0.13 | 0.15 | 0.87 | 0.37 | 0.01 | 1.57 | 0.00 | | 0.01 | | |
| | | 2007 | 0.14 | 0.17 | 1.02 | 0.51 | 0.01 | 1.73 | 0.00 | | 0.01 | | |
| | | 2008 | 0.15 | 0.18 | 5.52 | 2.44 | 0.01 | 11.10 | 0.00 | | 0.01 | | |
| | | 2009 | 0.11 | 0.13 | 4.28 | 2.19 | 0.01 | 7.99 | 0.00 | | 0.01 | | |
| | | 2010 | 0.13 | 0.15 | 5.33 | 1.85 | | | 0.00 | | 0.01 | | |
| | | 2011 | 0.46 | 0.54 | 6.76 | 1.82 | | | 0.00 | 0.00 | 0.03 | | |
| | | 2012 | 0.69 | 0.82 | 6.40 | 1.63 | | | 0.00 | 0.00 | 0.05 | | |
| | | 2013 | 0.08 | 0.05 | 13.64 | 2.30 | | | 0.00 | | 0.13 | | |
| TYK AMERICA 301 Brickyard Road Clairton, PA 15025 | | 2011 | 0.41 | 0.44 | 0.55 | 0.55 | | | 0.01 | 0.01 | 6.95 | 3297 | NONCLAY REFRACTORIES |
| | | 2012 | | | | | | | | | | | |
| | | 2013 | 0.58 | 1.11 | 0.82 | 0.82 | 0.03 | | 0.02 | 0.02 | 1.14 | | |
| UNION ELECTRIC STEEL CORPORATION 726 Bell Avenue Carnegie, PA 15106 | 15106 | 2000 | 4.03 | 4.80 | 0.09 | 0.09 | 0.27 | 0.09 | 0.03 | | 4.36 | 3547 | ROLLING MILLS & MACHINERY |
| | | 2001 | 3.69 | 5.89 | 0.08 | 0.08 | 0.25 | 0.08 | 0.03 | | 5.54 | | |
| | | 2002 | 4.47 | 7.15 | 0.10 | 0.10 | 0.30 | 0.10 | 0.03 | | 5.54 | | |
| | | 2003 | 5.06 | 6.02 | 0.11 | 0.11 | 0.34 | 0.11 | 0.04 | | 5.15 | | |
| | | 2004 | 5.37 | 6.39 | 0.12 | 0.12 | 0.36 | 0.12 | 0.04 | | 5.17 | | |
| | | 2005 | 5.12 | 6.10 | 0.12 | 0.12 | 0.35 | 0.12 | 0.04 | | 6.82 | | |
| | | 2006 | 4.83 | 5.75 | 0.11 | 0.11 | 0.33 | 0.11 | 0.03 | | 5.58 | | |
| | | 2007 | 4.70 | 5.60 | 0.11 | 0.11 | 0.32 | 0.11 | 0.03 | | 5.79 | | |
| | | 2008 | 5.22 | 6.22 | 0.12 | 0.12 | 0.35 | 0.12 | 0.04 | | 6.75 | | |
| | | 2009 | 3.99 | 4.75 | 0.09 | 0.09 | 0.27 | 0.09 | 0.03 | | 5.52 | | |
| | | 2010 | 5.04 | 6.01 | 0.11 | 0.11 | | | 0.04 | | 5.85 | | |
| | | 2011 | 4.78 | 5.69 | 0.11 | 0.11 | | | 0.03 | 0.03 | 4.75 | | |
| | | 2012 | 4.47 | 5.32 | 0.10 | 0.10 | | | 0.03 | 0.12 | 6.00 | | |
| | | 2013 | 4.54 | 5.41 | 0.10 | 0.10 | 0.31 | | 0.03 | 0.12 | 5.26 | | |
| UNIVERSAL STAINLESS & ALLOY PRODUCTS 600 Mayer Street Bridgeville, PA 15017 | 15017 | 2000 | 113.36 | 33.22 | 29.60 | 14.82 | 1.75 | 60.74 | 0.44 | | 11.26 | 3312 | BLAST FURNACES & STEEL MILLS |
| | | 2001 | 124.17 | 52.43 | 23.27 | 13.01 | 1.80 | 30.23 | 4.58 | | 13.36 | | |
| | | 2002 | 111.26 | 45.37 | 21.53 | 12.10 | 1.56 | 27.80 | 3.93 | | 11.98 | | |
| | | 2003 | 104.04 | 45.59 | 20.76 | 11.70 | 1.62 | 31.00 | 3.79 | | 11.14 | | |
| | | 2004 | 149.67 | 44.01 | 24.19 | 13.74 | 1.10 | 35.48 | 5.15 | | 16.01 | | |
| | | 2005 | 120.31 | 62.91 | 26.97 | 19.78 | 2.39 | 31.61 | 14.59 | | 30.12 | | |
| | | 2006 | 118.13 | 61.07 | 26.32 | 19.28 | 2.28 | 30.83 | 14.49 | | 29.87 | | |
| | | 2007 | 99.64 | 58.16 | 22.46 | 16.42 | 1.85 | 26.52 | 13.10 | | 25.45 | | |
| | | 2008 | 107.68 | 57.49 | 22.65 | 16.54 | 1.86 | 26.70 | 13.27 | | 26.31 | | |
| | | 2009 | 59.23 | 40.66 | 13.38 | 9.96 | 1.41 | 16.37 | 7.66 | | 13.95 | | |
| | | 2010 | 107.13 | 56.74 | 24.12 | 17.57 | | | 13.59 | | 27.75 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|---|-------|-------|--------|-------|---------------------|----------------------|--------|-------------------|-------|------|-------|----------|--------------------------------------|
| | | 2011 | 114.49 | 60.07 | 18.62 | 12.57 | | | 14.25 | 0.00 | 29.61 | | |
| | | 2012 | 118.03 | 55.35 | 19.81 | 14.95 | | | 14.91 | 0.00 | 31.63 | | |
| | | 2013 | 81.79 | 48.26 | 13.14 | 10.21 | 2.68 | | 9.76 | | 19.92 | | |
| UNIVERSITY OF PITTSBURGH (MAIN CAMPUS) 3412 Forbes Avenue Pittsburgh, PA 15260 | 15260 | 2002 | 4.08 | 5.70 | 0.17 | 0.17 | 0.34 | 0.17 | 0.10 | | 6.10 | 8221 | COLLEGES & UNIVERSITIES |
| | | 2003 | 3.60 | 4.93 | 0.14 | 0.14 | 0.29 | 0.14 | 0.22 | | 4.99 | | |
| | | 2004 | 3.39 | 4.61 | 0.13 | 0.13 | 0.27 | 0.13 | 0.07 | | 4.47 | | |
| | | 2005 | 3.74 | 5.00 | 0.13 | 0.13 | 0.30 | 0.13 | 0.07 | | 3.71 | | |
| | | 2006 | 3.08 | 4.51 | 0.14 | 0.14 | 0.19 | 0.14 | 0.09 | | 4.19 | | |
| | | 2007 | 3.69 | 5.77 | 0.20 | 0.20 | 0.22 | 0.20 | 0.15 | | 3.54 | | |
| | | 2008 | 4.53 | 6.37 | 0.19 | 0.19 | 0.12 | 0.19 | 0.12 | | 3.26 | | |
| | | 2009 | 3.31 | 5.17 | 0.18 | 0.18 | 0.05 | 0.18 | 0.13 | | 3.21 | | |
| | | 2010 | 5.05 | 6.78 | 0.21 | 0.21 | | | 0.22 | | 3.88 | | |
| | | 2011 | 4.14 | 5.96 | 0.23 | 0.23 | | | 0.29 | 0.00 | 4.13 | | |
| | | 2012 | 4.81 | 6.45 | 0.26 | 0.26 | | | 0.22 | 0.03 | 3.50 | | |
| 2013 | 5.02 | 6.79 | 0.22 | 0.22 | 0.30 | | 0.24 | 0.02 | 4.09 | | | | |
| UNIVERSITY OF PITTSBURGH APPLIED RESEARCH CENTER 3170 WILLIAM PITT WAY PITTSBURGH, PA 15238 | 15238 | 2000 | 9.07 | 8.64 | 0.21 | 0.18 | 0.49 | 0.27 | 0.06 | | 0.56 | 8741 | MANAGEMENT SERVICES |
| | | 2001 | 9.08 | 8.64 | 0.21 | 0.18 | 0.49 | 0.27 | 0.06 | | 0.56 | | |
| | | 2002 | 9.11 | 8.71 | 0.21 | 0.18 | 0.49 | 0.27 | 0.06 | | 0.57 | | |
| | | 2003 | 9.70 | 9.41 | 0.22 | 0.19 | 0.53 | 0.29 | 0.07 | | 0.61 | | |
| | | 2004 | 7.25 | 8.65 | 0.17 | 0.17 | 0.49 | 0.17 | 0.05 | | 0.48 | | |
| | | 2005 | 7.29 | 8.70 | 0.17 | 0.17 | 0.49 | 0.17 | 0.05 | | 0.48 | | |
| | | 2006 | 6.59 | 7.87 | 0.15 | 0.15 | 0.45 | 0.15 | 0.05 | | 0.43 | | |
| | | 2007 | 7.38 | 8.80 | 0.17 | 0.17 | 0.50 | 0.17 | 0.05 | | 0.48 | | |
| | | 2008 | 7.53 | 8.99 | 0.17 | 0.17 | 0.51 | 0.17 | 0.06 | | 0.50 | | |
| | | 2009 | 8.06 | 9.61 | 0.18 | 0.18 | 0.55 | 0.18 | 0.06 | | 0.53 | | |
| | | 2010 | 7.71 | 9.20 | 0.70 | 0.70 | | | 0.06 | 0.29 | 0.51 | | |
| | | 2011 | 7.43 | 8.89 | 0.68 | 0.68 | | | 0.06 | 0.28 | 0.49 | | |
| | | 2012 | 7.77 | 9.29 | 0.18 | 0.18 | | | 0.06 | 0.30 | 0.51 | | |
| 2013 | 7.67 | 9.21 | 0.18 | 0.18 | 0.52 | | 0.06 | 0.29 | 0.51 | | | | |
| UPMC - MAGEE 300 Halket Street Pittsburgh, PA 15213 | 15213 | 2000 | 5.27 | 6.27 | 0.09 | 0.13 | 0.36 | 0.13 | 0.08 | | 1.70 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 5.31 | 6.55 | 0.14 | 0.14 | 0.36 | 0.14 | 0.14 | | 1.72 | | |
| | | 2002 | 5.42 | 7.00 | 0.17 | 0.17 | 0.37 | 0.53 | 0.88 | | 1.75 | | |
| | | 2003 | 5.40 | 6.94 | 0.17 | 0.16 | 0.36 | 0.17 | 0.66 | | 1.75 | | |
| | | 2004 | 5.40 | 6.96 | 0.14 | 0.14 | 0.36 | 0.14 | 0.56 | | 1.51 | | |
| | | 2005 | 5.40 | 6.94 | 0.17 | 0.16 | 0.36 | 0.17 | 0.56 | | 1.54 | | |
| | | 2006 | 5.40 | 6.94 | 0.17 | 0.16 | 0.36 | 0.17 | 0.11 | | 1.56 | | |
| | | 2007 | 5.93 | 8.35 | 0.25 | 0.25 | 0.38 | 0.25 | 0.15 | | 1.66 | | |
| | | 2008 | 6.56 | 9.10 | 0.26 | 0.26 | 0.42 | 0.26 | 0.16 | | 1.74 | | |
| | | 2009 | 6.50 | 8.86 | 0.25 | 0.25 | 0.42 | 0.25 | 0.14 | | 5.54 | | |
| | | 2010 | 6.50 | 8.82 | 0.24 | 0.24 | | | 0.14 | 0.04 | 1.02 | | |
| | | 2011 | 6.57 | 8.94 | 0.25 | 0.25 | | | 0.14 | 0.24 | 1.89 | | |
| | | 2012 | 7.00 | 9.32 | 0.20 | 0.20 | | | 0.14 | 0.04 | 1.03 | | |
| 2013 | 7.60 | 10.37 | 0.24 | 0.23 | 0.50 | | 0.25 | 0.04 | 1.09 | | | | |
| UPMC - MCKEESPORT 1500 Fifth Avenue Pittsburgh, PA 15132 | 15132 | 2000 | 3.17 | 4.51 | 0.15 | 0.15 | 0.22 | 0.15 | 0.64 | | 2.73 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 3.46 | 8.78 | 0.28 | 0.24 | 0.30 | 0.36 | 3.90 | | 4.43 | | |
| | | 2002 | 2.94 | 8.97 | 0.21 | 0.21 | 0.15 | 0.21 | 0.22 | | 3.33 | | |
| | | 2003 | 4.70 | 13.64 | 0.32 | 0.29 | 0.27 | 0.35 | 1.28 | | 3.15 | | |
| | | 2004 | 5.02 | 13.83 | 0.28 | 0.27 | 0.26 | 0.28 | 0.11 | | 3.93 | | |
| | | 2005 | 4.79 | 10.21 | 0.27 | 0.27 | 0.37 | 0.27 | 0.12 | | 3.84 | | |
| | | 2006 | 5.52 | 16.62 | 0.55 | 0.55 | 0.29 | 0.55 | 0.32 | | 3.99 | | |
| | | 2007 | 3.38 | 6.61 | 0.15 | 0.15 | 0.21 | 0.16 | 0.08 | | 2.93 | | |
| | | 2008 | 2.90 | 4.18 | 0.13 | 0.13 | 0.18 | 0.13 | 0.08 | | 3.75 | | |
| | | 2009 | 2.71 | 3.64 | 0.10 | 0.10 | 0.18 | 0.10 | 0.06 | | 3.21 | | |
| | | 2010 | 2.75 | 3.62 | 0.06 | 0.06 | | | 0.05 | 0.02 | 3.25 | | |
| | | 2011 | 2.84 | 3.60 | 0.08 | 0.08 | | | 0.04 | 0.02 | 3.00 | | |
| | | 2012 | 2.75 | 3.51 | 0.08 | 0.08 | | | 0.04 | 0.02 | 2.88 | | |
| 2013 | 2.95 | 3.71 | 0.08 | 0.08 | 0.20 | | 0.04 | 0.02 | 2.39 | | | | |
| UPMC - OAKLAND | 15213 | 2000 | 6.34 | 7.57 | 0.64 | 0.23 | 0.37 | 1.33 | 0.56 | | 2.59 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

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|---|-----------|------|-------|-------|---------------------|----------------------|--------|-------------------|------|------|-------|----------|---|
| 200 Lothrop Street Pittsburgh, PA 15213 | | 2001 | 6.03 | 7.50 | 0.88 | 0.27 | 0.34 | 1.65 | 0.74 | | 2.76 | | |
| | | 2002 | 5.86 | 7.13 | 0.71 | 0.23 | 0.35 | 1.29 | 0.58 | | 1.98 | | |
| | | 2003 | 5.45 | 6.63 | 0.14 | 0.12 | 0.37 | 0.15 | 0.07 | | 1.55 | | |
| | | 2004 | 5.23 | 6.30 | 0.16 | 0.12 | 0.35 | 0.15 | 0.05 | | 1.46 | | |
| | | 2005 | 5.18 | 6.22 | 0.15 | 0.12 | 0.35 | 0.16 | 0.05 | | 1.45 | | |
| | | 2006 | 5.05 | 6.11 | 0.16 | 0.12 | 0.34 | 0.19 | 0.05 | | 1.45 | | |
| | | 2007 | 5.41 | 6.53 | 0.17 | 0.12 | 0.37 | 0.19 | 0.05 | | 0.42 | | |
| | | 2008 | 0.10 | 3.39 | 1.36 | 0.05 | 0.00 | 1.89 | 0.15 | | 0.21 | | |
| | | 2009 | 0.01 | 0.03 | 0.01 | 0.00 | 0.00 | 0.02 | 0.01 | | 0.80 | | |
| | | 2010 | 0.30 | 0.40 | 0.10 | 0.10 | | | 0.93 | 0.01 | 0.84 | | |
| | | 2011 | 0.28 | 0.36 | 0.11 | 0.11 | | | 0.93 | 0.01 | 0.84 | | |
| | | 2012 | 1.30 | 4.70 | 0.15 | 0.12 | | | 0.34 | 0.00 | 0.19 | | |
| | | 2013 | 0.39 | 1.33 | 0.08 | 0.06 | 0.00 | | 0.12 | | 0.11 | | |
| UPMC PASSAVANT HOSPITAL 9100 Babcock Blvd Pittsburgh, Pa. 15237 | 15,237.00 | 2010 | 7.43 | 9.19 | 1.79 | 1.79 | | | 0.08 | 0.28 | 0.51 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2011 | 6.42 | 8.74 | 1.34 | 1.34 | | | 0.14 | 0.23 | 0.52 | | |
| | | 2012 | 7.01 | 8.54 | 1.26 | 1.25 | | | 0.06 | 0.04 | 0.46 | | |
| | | 2013 | 6.31 | 9.92 | 1.27 | 1.27 | 0.37 | | 0.04 | 0.03 | 0.45 | | |
| UPMC - SHADYSIDE 5230 Centre Avenue Pittsburgh, PA 15232 | 15232 | 2000 | 7.43 | 11.46 | 0.50 | 0.42 | 0.44 | 0.61 | 0.38 | | 2.53 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 6.70 | 9.26 | 0.26 | 0.26 | 0.42 | 0.26 | 0.42 | | 2.37 | | |
| | | 2002 | 10.18 | 13.44 | 0.33 | 0.33 | 0.65 | 0.33 | 0.45 | | 1.51 | | |
| | | 2003 | 11.21 | 13.81 | 0.29 | 0.29 | 0.75 | 0.29 | 0.22 | | 2.58 | | |
| | | 2004 | 11.65 | 14.53 | 0.31 | 0.31 | 0.78 | 0.32 | 0.17 | | 2.63 | | |
| | | 2005 | 11.04 | 13.51 | 0.28 | 0.28 | 0.74 | 0.28 | 0.21 | | 2.56 | | |
| | | 2006 | 11.10 | 13.67 | 0.28 | 0.28 | 0.74 | 0.28 | 0.26 | | 2.58 | | |
| | | 2007 | 11.11 | 13.93 | 0.31 | 0.31 | 0.74 | 0.31 | 0.47 | | 1.59 | | |
| | | 2008 | 9.64 | 11.56 | 0.22 | 0.22 | 0.65 | 0.23 | 0.28 | | 0.66 | | |
| | | 2009 | 9.75 | 11.69 | 0.23 | 0.23 | 0.66 | 0.23 | 0.29 | | 1.39 | | |
| | | 2010 | 10.00 | 7.56 | 0.24 | 0.24 | | | 0.46 | 0.07 | 0.72 | | |
| | | 2011 | 9.89 | 7.23 | 0.24 | 0.24 | | | 0.55 | 0.06 | 0.67 | | |
| | | 2012 | 10.48 | 6.93 | 0.24 | 0.24 | | | 0.14 | 0.06 | 0.67 | | |
| 2013 | 11.18 | 6.95 | 0.26 | 0.25 | 0.73 | | 0.16 | 0.06 | 0.72 | | | | |
| UPMC - SOUTHSIDE 2000 Mary Street Pittsburgh, PA 15203 | 15203 | 2000 | 1.38 | 1.64 | 0.03 | 0.03 | 0.09 | 0.03 | 0.01 | | 0.09 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 1.48 | 1.77 | 0.03 | 0.03 | 0.00 | 0.03 | 0.03 | | 0.10 | | |
| | | 2002 | 1.79 | 2.48 | 0.07 | 0.07 | 0.12 | 0.07 | 0.06 | | 0.15 | | |
| | | 2003 | 1.12 | 1.41 | 0.03 | 0.03 | 0.07 | 0.03 | 0.01 | | 0.08 | | |
| | | 2004 | 1.30 | 1.57 | 0.03 | 0.03 | 0.09 | 0.03 | 0.02 | | 0.09 | | |
| | | 2005 | 1.25 | 1.78 | 0.05 | 0.05 | 0.08 | 0.05 | 0.10 | | 0.11 | | |
| | | 2006 | 1.27 | 1.66 | 0.04 | 0.04 | 0.08 | 0.04 | 0.06 | | 0.10 | | |
| | | 2007 | 1.36 | 1.67 | 0.03 | 0.03 | 0.09 | 0.04 | 0.07 | | 0.09 | | |
| | | 2008 | 1.54 | 1.88 | 0.04 | 0.04 | 0.10 | 0.04 | 0.04 | | 0.10 | | |
| | | 2009 | 1.50 | 1.80 | 0.04 | 0.04 | 0.10 | 0.04 | 0.02 | | 0.10 | | |
| | | 2010 | 1.30 | 1.60 | 0.19 | 0.19 | | | 0.03 | 0.01 | 0.10 | | |
| | | 2011 | 1.29 | 1.55 | 0.19 | 0.19 | | | 0.03 | 0.01 | 0.09 | | |
| | | 2012 | 0.47 | 0.66 | 0.23 | 0.23 | | | 0.01 | 0.00 | 0.03 | | |
| 2013 | 1.43 | 1.89 | 0.25 | 0.25 | 0.09 | | 0.03 | 0.01 | 0.10 | | | | |
| UPMC ST.MARGARET HOSPITAL/ASPINWALL 815 FREEPORT ROAD Pittsburgh,Pa.15215 | 15215 | 2010 | 3.58 | 4.93 | 0.19 | 0.19 | | | 0.08 | 0.02 | 1.38 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2011 | 3.12 | 3.49 | 0.11 | 0.11 | | | 0.06 | 0.14 | 0.30 | | |
| | | 2012 | 1.79 | 1.89 | 0.09 | 0.09 | | | 0.06 | 0.02 | 0.25 | | |
| | | 2013 | 2.17 | 2.14 | 0.11 | 0.11 | 0.22 | | 0.02 | 0.02 | 0.30 | | |
| US AIRWAYS MAINTENANCE BASE PGH. INT. AIRPORT HANGAR RD. Pittsburgh, PA 15231 | 15231 | 2000 | 10.61 | 9.03 | 1.16 | 1.21 | 0.00 | 1.16 | 0.22 | | 63.57 | 4581 | AIRPORTS, FLYING FIELDS, & SERVICES |
| | | 2001 | 13.99 | 7.15 | 0.38 | 0.38 | 0.00 | 0.38 | 0.17 | | 63.65 | | |
| | | 2002 | 11.39 | 5.47 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | | 25.57 | | |
| | | 2003 | 4.30 | 6.05 | 0.13 | 0.12 | 0.26 | 0.16 | 0.07 | | 44.08 | | |
| | | 2004 | 4.05 | 7.31 | 0.59 | 0.58 | 0.24 | 0.61 | 0.14 | | 51.97 | | |
| | | 2005 | 3.00 | 3.73 | 0.18 | 0.19 | 0.21 | 0.19 | 0.02 | | 29.09 | | |
| | | 2006 | 1.39 | 1.65 | 0.09 | 0.00 | 0.00 | 0.06 | 0.01 | | 26.50 | | |
| | | 2007 | 2.52 | 3.00 | 0.09 | 0.05 | 0.00 | 0.09 | 0.02 | | 19.72 | | |
| | | 2008 | 2.16 | 2.57 | 0.05 | 0.00 | 0.00 | 0.05 | 0.02 | | 5.56 | | |
| | | 2009 | 1.92 | 2.38 | 0.06 | 0.04 | 0.00 | 0.06 | 0.01 | | 8.70 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A: Point Source Criteria Air Emissions Report 2000-2013

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|--|---------|---------|---------|---------|---------------------|----------------------|---------|-------------------|---------|--------|--------|----------|--------------------------------------|
| | | 2010 | 2.08 | 2.47 | 0.10 | 0.10 | | | 0.00 | 0.09 | 7.94 | | |
| | | 2011 | 1.58 | 1.87 | 0.02 | 0.02 | | | 0.00 | 0.06 | 8.47 | | |
| | | 2012 | 1.68 | 2.24 | 0.04 | 0.04 | | | 0.01 | 0.06 | 7.97 | | |
| | | 2013 | 1.63 | 1.94 | 0.04 | 0.04 | | | 0.01 | 0.06 | 9.28 | | |
| US STEEL TOWER 600 Grant Street Pittsburgh, PA 15219 | 15219 | 2000 | 5.73 | 6.82 | 0.13 | 0.13 | 0.39 | 0.13 | 0.04 | | 0.38 | 6512 | NONRESIDENTIAL BUILDING OPERATORS |
| | | 2001 | 4.23 | 9.06 | 0.29 | 0.12 | 0.50 | 0.52 | 12.90 | | 0.25 | | |
| | | 2002 | 5.88 | 7.00 | 0.13 | 0.13 | 0.40 | 0.13 | 0.04 | | 0.39 | | |
| | | 2003 | 6.01 | 7.15 | 0.14 | 0.14 | 0.41 | 0.14 | 0.04 | | 0.39 | | |
| | | 2004 | 5.17 | 6.15 | 0.12 | 0.12 | 0.35 | 0.12 | 0.04 | | 0.34 | | |
| | | 2005 | 5.25 | 6.25 | 0.15 | 0.12 | 0.36 | 0.12 | 0.04 | | 0.34 | | |
| | | 2006 | 4.62 | 5.83 | 0.14 | 0.13 | 0.31 | 0.25 | 0.45 | | 0.31 | | |
| | | 2007 | 4.47 | 5.66 | 0.11 | 0.11 | 0.30 | 0.11 | 0.13 | | 0.30 | | |
| | | 2008 | 5.10 | 6.41 | 0.12 | 0.12 | 0.34 | 0.13 | 0.08 | | 0.34 | | |
| | | 2009 | 5.63 | 7.04 | 0.13 | 0.13 | 0.38 | 0.14 | 0.08 | | 0.37 | | |
| | | 2010 | 6.81 | 8.61 | 0.16 | 0.16 | | | 0.07 | 0.25 | 0.45 | | |
| | | 2011 | 6.47 | 8.04 | 0.15 | 0.15 | | | 0.06 | 0.25 | 0.43 | | |
| | | 2012 | 6.55 | 8.20 | 0.15 | 0.15 | | | 0.06 | 0.24 | 0.44 | | |
| 2013 | 5.77 | 7.22 | 0.14 | 0.14 | 0.38 | | 0.05 | 0.21 | 0.38 | | | | |
| USS - CLAIRTON WORKS 400 State Street Clairton, PA 15025 | 15025 | 2000 | 3461.93 | 6767.39 | 707.99 | 330.50 | 389.24 | 2361.41 | 1040.41 | | 377.37 | 3312 | BLAST FURNACES & STEEL MILLS |
| | | 2001 | 3959.10 | 6089.06 | 687.69 | 310.80 | 344.87 | 2274.36 | 1221.08 | | 348.21 | | |
| | | 2002 | 4051.00 | 5764.22 | 740.52 | 319.04 | 109.06 | 2461.20 | 1356.39 | | 352.99 | | |
| | | 2003 | 4141.76 | 4863.14 | 752.33 | 327.83 | 114.19 | 2528.66 | 1572.46 | | 353.28 | | |
| | | 2004 | 3893.90 | 4367.92 | 711.93 | 306.32 | 117.01 | 2386.92 | 1653.76 | | 448.60 | | |
| | | 2005 | 3832.60 | 4231.23 | 701.40 | 301.71 | 146.10 | 2345.04 | 1717.01 | | 511.58 | | |
| | | 2006 | 3686.68 | 5012.10 | 677.84 | 294.52 | 153.08 | 2269.65 | 1631.70 | | 541.84 | | |
| | | 2007 | 3559.27 | 4807.36 | 418.09 | 248.72 | 1701.33 | 952.07 | 1739.95 | | 583.10 | | |
| | | 2008 | 3497.65 | 4177.14 | 441.01 | 252.78 | 1640.55 | 1007.58 | 1501.47 | | 551.65 | | |
| | | 2009 | 2409.52 | 3123.55 | 259.12 | 153.01 | 961.19 | 585.52 | 3450.83 | | 431.03 | | |
| | | 2010 | 3429.51 | 3248.92 | 370.00 | 344.75 | | | 1350.40 | 295.07 | 316.96 | | |
| | | 2011 | 3114.50 | 3074.89 | 514.09 | 346.36 | | | 1467.51 | 123.42 | 336.25 | | |
| | | 2012 | 2549.43 | 3427.22 | 501.26 | 324.01 | | | 1737.96 | 124.98 | 249.40 | | |
| 2013 | 2888.18 | 3760.74 | 517.66 | 326.69 | 300.03 | | 1637.15 | 145.18 | 307.32 | | | | |
| USS CORPORATION - EDGAR THOMSON WORKS 13th & Braddock Avenue Braddock, PA 15104 | 15104 | 2000 | 1482.74 | 290.60 | 315.68 | 257.34 | 674.37 | 426.43 | 715.52 | | 26.60 | 3312 | BLAST FURNACES & STEEL MILLS |
| | | 2001 | 1057.23 | 285.11 | 245.28 | 193.75 | 468.05 | 355.48 | 954.58 | | 20.88 | | |
| | | 2002 | 1493.84 | 298.17 | 359.47 | 291.23 | 671.03 | 494.71 | 1251.56 | | 23.77 | | |
| | | 2003 | 1518.60 | 310.34 | 374.47 | 308.12 | 697.42 | 518.26 | 973.49 | 19.48 | 21.39 | | |
| | | 2004 | 1337.89 | 273.78 | 344.51 | 300.21 | 719.10 | 477.57 | 672.05 | | 23.23 | | |
| | | 2005 | 1345.92 | 300.59 | 309.33 | 252.95 | 739.43 | 459.12 | 2318.76 | | 33.78 | | |
| | | 2006 | 1199.48 | 282.77 | 130.24 | 69.39 | 670.04 | 272.00 | 2096.68 | | 30.70 | | |
| | | 2007 | 1300.95 | 318.11 | 142.19 | 71.55 | 739.91 | 291.12 | 1689.42 | | 69.05 | | |
| | | 2008 | 1140.88 | 293.48 | 114.77 | 54.49 | 644.08 | 250.80 | 1536.46 | | 40.86 | | |
| | | 2009 | 1217.27 | 314.99 | 95.95 | 43.21 | 672.95 | 222.58 | 1285.13 | | 34.60 | | |
| | | 2010 | 1235.99 | 265.11 | 93.88 | 46.44 | | | 828.93 | | 39.70 | | |
| | | 2011 | 1293.78 | 275.12 | 103.70 | 53.66 | | | 1279.00 | 22.17 | 41.38 | | |
| | | 2012 | 1229.78 | 259.12 | 102.07 | 43.89 | | | 1430.72 | 20.54 | 32.41 | | |
| 2013 | 1265.65 | 320.46 | 103.01 | 43.42 | 101.93 | | 1454.03 | 21.78 | 39.94 | | | | |
| USS CORPORATION - IRVIN PLANT CAMP HOLLOW RD, BOX 878 DRAVOSBURG, PA 15034 | 15034 | 2000 | 234.21 | 547.88 | 32.00 | 30.57 | 59.58 | 43.88 | 47.39 | | 103.52 | 3312 | BLAST FURNACES & STEEL MILLS |
| | | 2001 | 188.85 | 431.10 | 27.04 | 25.92 | 86.47 | 36.65 | 219.84 | | 117.94 | | |
| | | 2002 | 227.48 | 596.25 | 36.79 | 26.41 | 43.44 | 54.54 | 330.23 | | 86.93 | | |
| | | 2003 | 204.30 | 563.25 | 34.14 | 24.36 | 40.89 | 51.31 | 384.04 | | 80.75 | | |
| | | 2004 | 242.85 | 699.04 | 44.45 | 33.68 | 24.27 | 63.80 | 523.35 | | 96.24 | | |
| | | 2005 | 255.82 | 598.45 | 39.31 | 30.62 | 21.58 | 58.34 | 397.86 | | 68.32 | | |
| | | 2006 | 188.28 | 675.92 | 35.11 | 29.33 | 29.59 | 45.54 | 372.55 | | 51.43 | | |
| | | 2007 | 194.14 | 694.71 | 28.65 | 22.90 | 28.51 | 39.05 | 456.11 | | 72.40 | | |
| | | 2008 | 217.29 | 632.68 | 26.89 | 21.45 | 26.14 | 36.63 | 475.40 | | 67.19 | | |
| | | 2009 | 186.89 | 524.71 | 20.76 | 16.87 | 33.85 | 27.93 | 1071.26 | | 48.37 | | |
| | | 2010 | 226.95 | 753.05 | 26.76 | 21.26 | | | 428.97 | 0.78 | 60.43 | | |
| | | 2011 | 222.59 | 762.06 | 40.58 | 35.06 | | | 418.69 | 4.44 | 60.62 | | |
| | | 2012 | 243.63 | 754.71 | 44.81 | 39.09 | | | 635.11 | 3.65 | 62.01 | | |
| 2013 | 312.93 | 753.61 | 49.43 | 43.39 | 21.54 | | 507.42 | 2.94 | 70.29 | | | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A:

Point Source Criteria Air Emissions Report

2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|---|-------|-------|-------|-------|---------------------|----------------------|--------|-------------------|-------|------|------|----------|--|
| VA MEDICAL CENTER - ASPINWALL UNIVERSITY DRIVE C PITTSBURGH, PA 15240 | 15240 | 2000 | 1.67 | 2.33 | 0.08 | 0.08 | 0.14 | 0.08 | 1.38 | | 0.21 | 8051 | SERVICES - SKILLED NURSE CARE FACILITIES |
| | | 2001 | 1.19 | 2.87 | 0.10 | 0.04 | 0.16 | 0.18 | 4.66 | | 0.17 | | |
| | | 2002 | 1.75 | 2.08 | 0.04 | 0.04 | 0.12 | 0.04 | 0.01 | | 0.21 | | |
| | | 2003 | 1.68 | 2.18 | 0.05 | 0.04 | 0.13 | 0.06 | 0.76 | | 0.21 | | |
| | | 2004 | 1.76 | 2.10 | 0.04 | 0.04 | 0.12 | 0.04 | 0.01 | | 0.22 | | |
| | | 2005 | 1.63 | 1.94 | 0.12 | 0.04 | 0.11 | 0.12 | 0.01 | | 0.21 | | |
| | | 2006 | 1.52 | 1.81 | 0.03 | 0.03 | 0.10 | 0.03 | 0.01 | | 0.20 | | |
| | | 2007 | 1.72 | 2.05 | 0.04 | 0.04 | 0.12 | 0.04 | 0.02 | | 0.21 | | |
| | | 2008 | 2.10 | 2.50 | 0.05 | 0.05 | 0.14 | 0.05 | 0.02 | | 0.24 | | |
| | | 2009 | 5.03 | 6.09 | 2.57 | 2.57 | 0.34 | 2.57 | 0.05 | | 0.34 | | |
| | | 2010 | 6.85 | 8.59 | 3.03 | 2.82 | | | 0.06 | 0.26 | 1.12 | | |
| | | 2011 | 2.69 | 3.76 | 0.81 | 0.81 | | | 0.03 | 0.10 | 0.19 | | |
| | | 2012 | 3.62 | 4.71 | 0.95 | 0.95 | | | 0.04 | 0.14 | 0.25 | | |
| 2013 | 2.90 | 3.81 | 0.89 | 0.89 | 0.20 | | 0.04 | 0.02 | 0.20 | | | | |
| VA MEDICAL CENTER - HIGHLAND DRIVE 7180 HIGHLAND DRIVE PITTSBURGH, PA 15206 | 15206 | 2000 | 5.16 | 7.05 | 0.24 | 0.24 | 0.41 | 0.24 | 7.23 | | 0.54 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 3.72 | 8.41 | 0.28 | 0.11 | 0.46 | 0.50 | 12.74 | | 0.36 | | |
| | | 2002 | 2.17 | 2.59 | 0.05 | 0.05 | 0.15 | 0.05 | 0.05 | | 0.42 | | |
| | | 2003 | 4.35 | 5.23 | 0.10 | 0.10 | 0.30 | 0.11 | 0.25 | | 0.47 | | |
| | | 2004 | 5.08 | 6.05 | 0.11 | 0.11 | 0.34 | 0.11 | 0.04 | | 0.42 | | |
| | | 2005 | 5.69 | 6.93 | 0.14 | 0.13 | 0.40 | 0.15 | 1.70 | | 0.53 | | |
| | | 2006 | 2.18 | 2.60 | 0.05 | 0.05 | 0.15 | 0.05 | 0.02 | | 0.33 | | |
| | | 2007 | 4.92 | 6.10 | 0.13 | 0.11 | 0.35 | 0.14 | 0.51 | | 0.50 | | |
| | | 2008 | 4.35 | 5.23 | 0.10 | 0.10 | 0.30 | 0.11 | 0.14 | | 0.48 | | |
| | | 2009 | 4.67 | 6.01 | 2.59 | 2.58 | 0.32 | 2.60 | 0.60 | | 0.76 | | |
| | | 2010 | 6.90 | 8.60 | 3.00 | 0.68 | | | 0.10 | 0.08 | 1.10 | | |
| | | 2011 | 4.39 | 5.43 | 1.57 | 1.57 | | | 0.03 | 0.16 | 2.53 | | |
| | | 2012 | 4.58 | 5.65 | 2.49 | 2.49 | | | 0.03 | 0.17 | 0.31 | | |
| 2013 | 4.29 | 5.21 | 0.10 | 0.10 | 0.28 | | 0.03 | 0.03 | 0.28 | | | | |
| VA MEDICAL CENTER - OAKLAND UNIVERSITY DRIVE C PITTSBURGH, PA 15240 | 15240 | 2000 | 2.82 | 3.69 | 0.11 | 0.11 | 0.21 | 0.11 | 1.38 | | 5.74 | 8062 | GENERAL MEDICAL & SURGICAL HOSPITALS |
| | | 2001 | 2.12 | 4.78 | 0.16 | 0.06 | 0.26 | 0.29 | 7.20 | | 5.86 | | |
| | | 2002 | 3.23 | 3.85 | 0.07 | 0.07 | 0.22 | 0.07 | 0.02 | | 6.63 | | |
| | | 2003 | 3.03 | 3.88 | 0.09 | 0.07 | 0.22 | 0.11 | 1.17 | | 5.33 | | |
| | | 2004 | 3.32 | 3.95 | 0.08 | 0.08 | 0.22 | 0.08 | 0.02 | | 6.55 | | |
| | | 2005 | 3.81 | 4.54 | 0.09 | 0.09 | 0.26 | 0.09 | 0.03 | | 7.01 | | |
| | | 2006 | 3.66 | 4.36 | 0.08 | 0.08 | 0.25 | 0.08 | 0.03 | | 6.72 | | |
| | | 2007 | 4.12 | 4.91 | 0.09 | 0.09 | 0.28 | 0.09 | 0.03 | | 6.46 | | |
| | | 2008 | 4.76 | 5.67 | 0.11 | 0.11 | 0.32 | 0.11 | 0.03 | | 6.45 | | |
| | | 2009 | 4.34 | 5.44 | 1.11 | 1.11 | 0.29 | 1.11 | 0.08 | | 5.31 | | |
| | | 2010 | 5.34 | 6.58 | 0.68 | 0.68 | | | 0.04 | 0.17 | 1.82 | | |
| | | 2011 | 4.55 | 5.47 | 0.66 | 0.66 | | | 0.03 | 0.20 | 1.76 | | |
| | | 2012 | 5.70 | 8.50 | 0.93 | 0.93 | | | 0.04 | 0.21 | 1.21 | | |
| 2013 | 5.63 | 9.54 | 1.33 | 1.33 | 0.45 | | 0.47 | 0.03 | 0.90 | | | | |
| WALL STATION 9012 ROBERTS HOLLOW ROAD ELIZABETH, PA 15037 | 15037 | 2006 | 25.70 | 15.72 | 0.07 | 0.00 | 0.00 | 0.07 | 0.00 | | 4.20 | 4922 | NATURAL GAS TRANSMISSION |
| | | 2007 | 20.07 | 11.98 | 0.05 | 0.05 | 0.00 | 0.05 | 0.00 | | 3.76 | | |
| | | 2008 | 0.49 | 41.30 | 0.09 | 0.09 | 0.00 | 0.09 | 0.01 | | 5.07 | | |
| | | 2009 | 0.27 | 14.54 | 0.03 | 0.03 | 0.00 | 0.03 | 0.00 | | 3.13 | | |
| | | 2010 | 0.96 | 43.06 | 0.08 | 0.08 | | | 0.01 | 0.00 | 4.94 | | |
| | | 2011 | 1.85 | 42.50 | 0.28 | 0.28 | | | 0.01 | 0.00 | 5.70 | | |
| | | 2012 | 0.56 | 23.06 | 0.14 | 0.14 | | | 0.00 | 0.00 | 4.66 | | |
| 2013 | 0.38 | 16.61 | 0.09 | 0.09 | 0.06 | | 0.00 | 0.01 | 6.24 | | | | |
| WESTERN PENNSYLVANIA HOSPITAL 4800 FRIENDSHIP AVE PITTSBURGH, PA 15224 | 15224 | 2009 | 6.63 | 8.00 | 0.16 | 0.16 | 0.00 | 0.16 | 0.06 | | 1.04 | 8061 | SERVICES - HOSPITALS |
| | | 2010 | 6.03 | 7.99 | 0.25 | 0.25 | | | 0.07 | 0.04 | 0.43 | | |
| | | 2011 | 6.01 | 7.32 | 0.23 | 0.23 | | | 0.06 | 0.04 | 0.40 | | |
| | | 2012 | 5.40 | 6.60 | 0.21 | 0.21 | | | 0.05 | 0.03 | 0.36 | | |
| | | 2013 | 5.70 | 7.27 | 0.17 | 0.17 | 0.38 | | 0.08 | 0.03 | 0.40 | | |
| WHEMCO-STEEL CASTINGS, INC. (WEST HOMESTEAD) 601 WEST SEVENTH AVE. W. HOMESTEAD, PA 15120 | 15120 | 2000 | 3.78 | 4.50 | 0.09 | 0.09 | 0.26 | 0.09 | 0.03 | | 1.39 | 3547 | ROLLING MILL MACHINERY |
| | | 2001 | 2.08 | 2.48 | 0.05 | 0.05 | 0.14 | 0.05 | 0.01 | | 2.39 | | |
| | | 2002 | 2.09 | 2.54 | 0.05 | 0.05 | 0.14 | 0.05 | 0.02 | | 1.91 | | |

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT A: Point Source Criteria Air Emissions Report 2000-2013

| COMPANY NAME | ZIP | YEAR | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PT _{FIL} | SO2 | NH3 | VOC | SIC CODE | SIC DESCRIPTION |
|--|-----|------|------|------|---------------------|----------------------|--------|-------------------|------|------|------|----------|-----------------|
| (combined with former Whemco-Steel Castings, Hays) | | 2003 | 2.51 | 3.00 | 0.06 | 0.06 | 0.17 | 0.06 | 0.02 | | 1.49 | | |
| | | 2004 | 2.32 | 2.70 | 0.05 | 0.05 | 0.16 | 0.05 | 0.02 | | 1.88 | | |
| | | 2005 | 2.21 | 2.52 | 0.05 | 0.05 | 0.15 | 0.05 | 0.02 | | 1.30 | | |
| | | 2006 | 1.94 | 2.20 | 0.04 | 0.04 | 0.13 | 0.04 | 0.01 | | 1.04 | | |
| | | 2007 | 2.65 | 4.20 | 4.56 | 1.66 | 0.16 | 7.96 | 0.12 | | 0.98 | | |
| | | 2008 | 2.43 | 2.79 | 0.19 | 0.10 | 0.16 | 0.29 | 0.02 | | 0.91 | | |
| | | 2009 | 2.11 | 2.45 | 0.05 | 0.05 | 0.14 | 0.05 | 0.02 | | 0.89 | | |
| | | 2010 | 2.30 | 2.70 | 0.10 | 0.08 | | | 0.00 | 0.01 | 1.40 | | |
| | | 2011 | 6.14 | 7.31 | 0.22 | 0.22 | | | 0.06 | 0.04 | 1.54 | | |
| | | 2012 | 4.72 | 5.61 | 0.11 | 0.11 | | | 0.03 | 0.18 | 1.39 | | |
| | | 2013 | 5.13 | 6.01 | 0.12 | 0.12 | | | 0.04 | 0.20 | 1.31 | | |

Assessment Total of Criteria Point Source Emission Inventory in Allegheny County. Units are Tons per Year. 1996 & 1997 values were adjusted to account for facilities added to the assessment during 1998 and later years.

| Year | CO | NOx | PM10 _{FIL} | PM2.5 _{FIL} | PMCOND | PM _{FIL} | SO2 | NH3 | VOC | |
|------|---------|---------|---------------------|----------------------|--------|-------------------|---------|-------|--------|-----------|
| 1996 | 10259.0 | 24141.1 | 4205.1 | | | 9666.1 | 46789.3 | | 4761.9 | 99822.48 |
| 1997 | 10044.1 | 24694.6 | 4177.8 | | | 8704.5 | 50337.1 | | 4875.1 | 102833.18 |
| 1998 | 9312.6 | 19805.9 | 3525.7 | | | 7015.6 | 38302.8 | | 3798.9 | 81761.49 |
| 1999 | 8959.9 | 19271.8 | 3190.9 | 1767.8 | 1601.9 | 6590.7 | 43028.3 | | 3749.7 | 88160.82 |
| 2000 | 9276.8 | 18908.4 | 2847.7 | 1547.6 | 1841.6 | 5949.0 | 50200.5 | | 3289.0 | 93860.57 |
| 2001 | 8700.1 | 17633.5 | 2511.4 | 1217.8 | 1509.2 | 5798.0 | 54271.3 | | 2846.8 | 94488.07 |
| 2002 | 8548.8 | 16225.1 | 2518.0 | 1393.8 | 1471.1 | 5838.4 | 47196.8 | | 2639.9 | 85832.07 |
| 2003 | 8792.2 | 14457.6 | 2664.9 | 1551.5 | 1454.4 | 6179.5 | 50874.2 | | 2473.3 | 88447.54 |
| 2004 | 8265.2 | 14092.7 | 2548.5 | 1481.0 | 1626.9 | 5692.4 | 46281.5 | | 2586.5 | 82574.79 |
| 2005 | 7844.3 | 12566.0 | 2238.3 | 1349.7 | 2047.3 | 5567.0 | 43777.9 | | 2453.5 | 77844.07 |
| 2006 | 7284.0 | 13333.0 | 2090.0 | 1211.0 | 1384.0 | 5023.0 | 38800.0 | | 2112.0 | 71237.00 |
| 2007 | 7376.3 | 13752.6 | 1699.3 | 1078.6 | 3167.6 | 3222.0 | 40270.8 | | 2106.6 | 72673.74 |
| 2008 | 6693.0 | 12478.1 | 1712.7 | 1100.7 | 3057.6 | 3365.5 | 35767.3 | | 1955.7 | 66130.53 |
| 2009 | 5568.2 | 9751.5 | 1347.7 | 942.7 | 2349.1 | 2513.7 | 40859.8 | | 1685.6 | 65018.31 |
| 2010 | 6807.9 | 9893.1 | 1383.6 | 1026.0 | | | 15380.0 | 520.6 | 1550.5 | 36561.65 |
| 2011 | 6578.2 | 10569.0 | 1593.2 | 1089.7 | | | 13391.6 | 453.7 | 1567.6 | 35242.98 |
| 2012 | 5816.4 | 11346.8 | 1535.3 | 958.0 | | | 6473.3 | 376.4 | 1391.7 | |
| 2013 | 6208.1 | 12534.9 | 1346.5 | 891.5 | 908.5 | | 5968.6 | 351.1 | 1399.9 | 29609.06 |

| | | | | | | | | | | |
|----------------------------|------|---------|---------|---------|--------|--------|---------|--------|---------|--|
| Excluding Cheswick Station | 2013 | 5903.40 | 7202.72 | 1216.63 | 803.60 | 867.87 | 4282.24 | 349.72 | 1389.15 | |
|----------------------------|------|---------|---------|---------|--------|--------|---------|--------|---------|--|

Note: Since AES Online did not have a field for condensable particulate it was not reported for 2010, 2011 and 2012. Total particulate is no longer considered a criteria pollutant by the EPA. Ammonia was added to the table beginning with 2010.

Attachment B
Individual HAP Emissions from all
Facilities

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT B:

Total Point Source Emissions of Hazardous Air Pollutants & Hydrogen Sulfide

| CAS # | Hazardous Air Pollutant | 1999 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|--|------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|
| PB | LEAD | 6.30 | 6.22 | 6.71 | 9.35 | 8.99 | 6.92 | 4.59 | 4.60 | 3.28 | 3.63 | 2.36 | 2.46 | 1.40 | 1.30 |
| 7440360 | ANTIMONY | | | | | | | | | | | | | | 0.28 |
| 7440417 | BERYLLIUM | | | | | | | | | | | | | | 0.01 |
| 7440439 | CADMIUM | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.04 | 0.03 | 0.03 | 0.02 | 0.06 | 0.05 | 0.04 |
| 7440473 | CHROMIUM | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.64 | 4.87 | 5.00 | 4.71 | 3.45 | 3.85 | 3.60 | 3.61 |
| 7439965 | MANGANESE | 5.19 | 4.95 | 5.71 | 6.54 | 5.19 | 3.47 | 4.76 | 3.61 | 3.89 | 5.58 | 1.79 | 2.19 | 3.07 | 2.82 |
| 121142 | 2,4-DINITROTOLUENE | | | | | | | | | | | | | | 0.0002 |
| 7783064 | HYDROGEN SULFIDE | 162.27 | 168.11 | 171.92 | 176.00 | 167.52 | 165.45 | 157.68 | 153.46 | 148.64 | 183.26 | 130.63 | 125.34 | 126.21 | 133.48 |
| 463581 | CARBON OXSULFIDE | | | | | | | | | | | | | 51.16 | 53.52 |
| 106467 | 1,4-DICHLOROBENZENE | 0.13 | 0.39 | 0.41 | 0.39 | 0.58 | 0.30 | 0.35 | 0.35 | 0.32 | 0.33 | 0.23 | 0.33 | 0.33 | 0.34 |
| 7440382 | ARSENIC | 0.27 | 0.40 | 0.41 | 0.52 | 0.26 | 0.24 | 0.24 | 0.36 | 0.30 | 0.32 | 0.19 | 0.23 | 0.22 | 0.26 |
| 7439976 | MERCURY | 0.55 | 0.16 | 0.14 | 0.13 | 0.20 | 0.20 | 0.11 | 0.15 | 0.14 | 0.09 | 0.06 | 0.06 | 0.03 | 0.07 |
| 7782492 | SELENIUM | 37.56 | 46.74 | 6.10 | 6.58 | 6.31 | 1.74 | 0.79 | 0.79 | 0.70 | 0.77 | 3.97 | 7.00 | 3.40 | 2.62 |
| 7440020 | NICKEL | 2.05 | 2.51 | 2.41 | 2.39 | 2.89 | 1.84 | 5.80 | 4.41 | 4.98 | 7.84 | 2.01 | 1.57 | 1.46 | 1.40 |
| 100414 | ETHYLBENZENE | | | | | | | | | | | | 0.05 | 0.08 | 0.08 |
| 120127 | ANTHRACENE | 0.80 | 0.78 | 0.82 | 0.71 | 0.94 | 0.93 | 0.86 | 0.35 | 0.34 | 0.20 | 0.54 | 0.61 | 0.49 | 0.44 |
| 56553 | BENZ(A)ANTHRACENE | 0.01 | 0.19 | 1.56 | 1.53 | 1.58 | 1.54 | 0.88 | 0.56 | 0.59 | 0.29 | 0.25 | 0.26 | 0.25 | 0.45 |
| 205992 | BENZ(E)ACEPHENANTHRYLENE | 0.00 | 0.11 | 0.10 | 0.11 | 0.02 | 0.15 | 0.38 | 0.17 | 0.19 | 0.09 | 0.14 | 0.14 | 0.13 | 0.45 |
| 207089 | BENZO(K)FLUORANTHENE | 0.00 | 0.08 | 0.35 | 0.32 | 0.33 | 0.36 | 0.30 | 0.13 | 0.12 | 0.07 | 0.07 | 0.08 | 0.08 | 0.21 |
| 191242 | BENZO(G,H,J)PERYLENE | 0.00 | 0.19 | 0.28 | 0.28 | 0.26 | 0.26 | 0.24 | 0.07 | 0.07 | 0.04 | 0.34 | 0.45 | 0.33 | 0.36 |
| 50328 | BENZO(A)PYRENE | 0.00 | 0.13 | 0.71 | 0.70 | 0.71 | 0.73 | 0.62 | 0.25 | 0.25 | 0.11 | 0.13 | 0.12 | 0.12 | 0.30 |
| 218019 | CHRYSENE | 0.00 | 0.19 | 1.70 | 1.68 | 1.64 | 1.70 | 0.95 | 0.65 | 0.67 | 0.30 | 0.24 | 0.23 | 0.23 | 0.38 |
| 53703 | DIBENZO(A,H)ANTHRACENE | 0.00 | 0.01 | 0.10 | 0.09 | 0.10 | 0.10 | 0.09 | 0.04 | 0.03 | 0.02 | 0.03 | 0.02 | 0.01 | 0.01 |
| 206440 | FLUORANTHENE | 0.02 | 0.57 | 2.57 | 2.46 | 2.54 | 2.46 | 2.18 | 1.25 | 1.28 | 0.81 | 1.40 | 1.31 | 1.21 | 1.77 |
| 193395 | INDENO-1,2,3-CD-PYRENE | 0.34 | 0.35 | 0.35 | 0.35 | 0.35 | 0.36 | 0.35 | 0.14 | 0.13 | 0.05 | 0.05 | 0.05 | 0.05 | 0.14 |
| 18540299 | HEXAVALENT CHROMIUM | 0.00 | 0.00 | 0.10 | 0.10 | 0.10 | 0.06 | 0.06 | 0.13 | 0.12 | 16.80 | 0.03 | 0.05 | 0.04 | 0.06 |
| 112345 | 2-(2-BUTOXYETHOXY)ETHANOL | | | | | | | | | | | | | | |
| 124174 | BUTYL CARBITOL ACETATE | | | | | | | | | | | | | | |
| 7789062 | CHROMIC ACID, STRONTIUM SALT (1:1) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | |
| 7440484 | COBALT | 0.20 | 0.53 | 0.31 | 0.32 | 0.23 | 0.22 | 0.22 | 0.23 | 0.22 | 0.16 | 0.16 | 0.18 | 0.19 | 0.19 |
| C15-H12 | C15-H12 | | | | | | | | | | | | 0.00 | 0.12 | 0.34 |
| 203645 | PHENANTHRENE, CYCLOPENTA-, (C15-H | 0.00 | 0.00 | 0.25 | 0.25 | 0.29 | 0.35 | 0.28 | 0.24 | 0.24 | 0.16 | 0.17 | 0.18 | 0.19 | |
| PAH | PAH | 0.00 | 0.00 | 0.11 | 0.09 | 0.03 | 0.02 | 0.01 | 0.04 | 0.04 | 0.52 | 0.64 | 0.64 | 0.66 | 1.57 |
| 57125 | C=N | | | | | | | | | | | | 1.36 | 1.28 | 2.44 |
| 16065831 | Cr+++ | 0.29 | 0.20 | 0.02 | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 | 0.10 | 0.11 | 0.10 | 0.14 | 0.09 | 0.11 |
| NIC | NICKEL COMPOUNDS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.17 | 0.19 | 0.09 | 1.62 | | | |
| 77736 | DICYCLOPENTADIENE | 0.00 | 0.00 | 0.10 | 5.61 | 6.64 | 6.06 | 2.64 | 5.00 | 6.00 | 3.90 | 4.27 | | | |
| SEC | SELENIUM COMPOUNDS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 0.55 | 0.79 | 0.82 | 3.97 | | | |
| CRC | CHROMIUM COMPOUNDS | 16.12 | 9.61 | 8.08 | 8.28 | 2.75 | 0.62 | 0.59 | 0.45 | 0.52 | 0.22 | 3.82 | | | |
| 95018 | PHENANTHRENE | 2.04 | 4.15 | 4.68 | 4.47 | 4.90 | 5.00 | 3.96 | 2.68 | 2.76 | 1.69 | 1.71 | | | |
| 129000 | PYRENE | 0.00 | 0.57 | 1.91 | 1.84 | 1.90 | 2.06 | 1.61 | 0.83 | 0.83 | 0.55 | 1.10 | | | |
| 208968 | ACENAPHTHYLENE | 0.00 | 0.45 | 1.58 | 0.75 | 0.82 | 0.94 | 0.80 | 0.54 | 0.53 | 0.39 | 0.63 | | | |
| 86737 | FLUORENE | 0.00 | 0.24 | 1.45 | 2.79 | 1.39 | 1.45 | 1.04 | 0.31 | 0.31 | 0.25 | 0.42 | | | |
| 111762 | 2-BUTOXY ETHANOL | 0.00 | 0.00 | 19.98 | 17.28 | 3.56 | 1.12 | 0.95 | 0.39 | 0.31 | 0.54 | 0.41 | | | |
| 31711532 | METHYLPHENANTHRENES | 0.00 | 0.14 | 0.15 | 0.16 | 0.16 | 0.06 | 0.17 | 0.14 | 0.14 | 0.10 | 0.17 | | | |
| CDC | CADMIUM COMPOUNDS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | | | |
| 95636 | 1,2,4-TRIMETHYLBENZENE | 4.55 | 6.76 | 8.29 | 3.72 | 3.93 | 3.00 | 2.14 | 0.76 | 0.40 | 1.27 | 0.02 | | | |
| 192972 | BENZO(E)PYRENE | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.02 | | | |
| 1746016 | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | | | |
| TOTAL HAZARDOUS AIR POLLUTANTS (TPY) <i>including Hydrogen Sulfide</i> | | 2368.00 | 2652.02 | 2229.18 | 2524.64 | 2292.72 | 2150.64 | 2079.66 | 2283.90 | 1675.60 | 1714.47 | 1562.38 | 1023.84 | 796.20 | 856.57 |
| TOTAL HAZARDOUS AIR POLLUTANTS (TPY) <i>excluding Hydrogen Sulfide</i> | | 2205.73 | 2483.91 | 2057.27 | 2348.64 | 2125.20 | 1985.19 | 1921.98 | 2130.44 | 1526.96 | 1522.66 | 1431.75 | 898.50 | 669.99 | 723.09 |

Note 1: Ammonia emissions are reported on Attachment D

Note 2: All compounds with zero emissions for the period covered by the table have been deleted.

Note 3: For 2013, all data are taken from the PA DEP AIMS database, 2013 inventory year, Oracle Discoverer report, "2013 Facility HAPs wNames and totals - Allegheny," duplicate entries removed in Excel, except Hydrogen Sulfide is taken from individual plant summaries.

Adjustments to “Attachment B - Total Point Source HAP Emissions”

Previous emission inventory assessments are not normally recalculated when estimation methods are improved or emission factors updated. Therefore, apparent changes in the amounts of emissions reported may not be actual. An exception has been made for the acid gases HCl and HF, and adjustments have been made to previous years' inventories.

Examples are the estimates of emissions of the two acid gasses from the Cheswick Power Station. Changes in the emission factors used for HCl and HF during 2002 produced estimates different enough to significantly affect the reported HAP emissions from this plant, total emissions of these pollutants and the total HAP emission inventory.

During 2000, source testing was performed for HCl emissions from coke oven stacks at the USS Clairton Coke Plant. This testing found HCl emissions not previously detected. These emissions were included in the 2000 and later inventories.

Adjustments were made to previously reported Total Point Source HAP Emissions to account for these changes. Adjusted values are used for this comparison only. Agency emission inventory records have not been adjusted.

Emissions of hydrochloric acid (HCl) are about 24.6% of the total emissions in Attachment B.

Attachment C
Hazardous Air Pollutant Emissions
Individual Facilities

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|---------------------------------------|---------|-------------------------------|---------|------|------|-------|-------|------|------|------|------|------|
| 911 AIR LIFT WING, PITTSBURGH PIA/ARS | 15108 | 1,1,2,2-Tetrachloroethane | 79345 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 1,3-BUTADIENE | 106990 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | ACETALDEHYDE | 75070 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | ARSENIC COMPOUNDS | ASC | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | | | | 0.00 |
| | | BENZENE | 71432 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | BERYLLIUM COMPOUNDS | BEC | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | | | | 0.00 |
| | | ETHYL BENZENE | | | | | | | | | | 0.00 |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.00 | 0.20 | 0.03 | 0.01 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.03 | 0.00 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 |
| | | LEAD | PB | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | METHANOL | 67561 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | METHYL ISOBUTYL KETONE | 108101 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | PAH | PAH | | | | | | | 0.00 | 0.00 | 0.00 |
| | | TOLUENE | 108883 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | CHLOROETHENE (VINYL CHLORIDE) | 75014 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ACN-PITTSBURGH, LLC | 15044 | CADMIUM | 7440439 | | | | | | 0.03 | 0.02 | | |
| | | ETHYL BENZENE | 100414 | 0.07 | 0.30 | 0.22 | 0.10 | 3.65 | 1.05 | 0.78 | | |
| | | FORMALDEHYDE | 50000 | 0.06 | 0.00 | 0.07 | 0.16 | 0.21 | 0.17 | 0.00 | | |
| | | HEXANE | 110543 | 0.00 | 0.01 | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | | |
| | | LEAD | PB | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.40 | 0.31 | | |
| | | LEAD COMPOUNDS | PBC | 0.02 | 0.00 | 0.47 | 0.37 | 0.00 | | | | |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | PHENOL | 108952 | 0.14 | 0.28 | 0.55 | 1.25 | 1.67 | 1.35 | 0.01 | | |
| | | TOLUENE | 108883 | 0.31 | 0.14 | 0.24 | 0.34 | 0.31 | 0.25 | 0.00 | | |
| | | TRIETHYLAMINE | 121448 | 0.11 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.66 | 0.93 | 10.19 | 11.56 | 7.38 | 5.47 | 3.84 | | |
| ALLEGHENY AGGREGATES INC. | 15219 | ACETALDEHYDE | 75070 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | BENZENE | 71432 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | METHYL CHLOROFORM | 71556 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | POLYNUCLEAR AROMATICS | PNA | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | TOLUENE | 108883 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ETHYLENE DICHLORIDE | 107211 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | ETHYLENE GLYCOL | 107211 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.82 | 0.71 | 0.02 | |
| FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| GLYCOL ETHERS | GLYET | 0.00 | 0.00 | 0.10 | 0.28 | 0.18 | 0.12 | 0.07 | 0.11 | | | |
| HEXANE | 110543 | 0.16 | 0.19 | 0.29 | 0.19 | 0.11 | 0.05 | 0.03 | 0.03 | | | |
| HYDROCHLORIC ACID | 7647010 | 0.26 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| METHANOL | 67561 | 3.10 | 3.53 | 2.33 | 1.93 | 2.33 | 1.11 | 1.99 | 1.65 | | | |
| STYRENE | 100425 | | | | | | | 0.25 | 0.25 | 0.38 | | |
| TOLUENE | 108883 | 0.00 | 0.00 | 0.11 | 0.10 | 0.09 | 0.08 | 0.05 | 0.05 | | | |
| TRICHLOROETHYLENE | 79016 | 0.00 | 0.00 | 0.26 | 0.16 | 0.13 | 0.10 | 0.00 | 0.01 | | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.00 | 0.00 | 0.18 | 0.12 | 0.29 | 0.25 | 0.06 | | | |
| ALLEGHENY COUNTY AIRPORT AUTHORITY | 15231 | | | | | | | | | | | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | | |
|--|---------|-------------------------------------|----------|-------|-------|-------|-------|-------|------|-------|-------|------|------|
| ALLEGHENY COUNTY SANITARY AUTHORITY | 15233 | 1,1,2-TRICHLOROETHANE | 79005 | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | 0.05 | 0.05 | | |
| | | 1,4-DICHLOROBENZENE | 106467 | 0.41 | 0.30 | 0.32 | 0.33 | 0.23 | 0.33 | 0.33 | 0.34 | | |
| | | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN | 1746016 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | | | | 0.00 | |
| | | 1,4-DIOXANE | 123911 | | | | | | | 0.01 | 0.01 | 0.01 | |
| | | BENZENE | 71432 | 0.05 | 0.05 | 0.04 | 0.03 | 0.30 | | 0.04 | 0.03 | 0.04 | |
| | | BIS(2-ETHYLHEXYL)PHTHALATE | 117817 | 0.05 | 0.03 | 0.04 | 0.04 | 0.00 | | 0.00 | 0.00 | 0.00 | |
| | | CARBON DISULFIDE | 75150 | 0.08 | 0.08 | 0.33 | 0.32 | 0.30 | | 0.30 | 0.28 | 0.27 | |
| | | CARBON TETRACHLORIDE | | | | | | | | | | | 0.32 |
| | | CHLOROBENZENE | 108907 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | 0.01 | 0.01 | 0.01 | |
| | | CHLOROFORM | 67663 | 0.47 | 0.47 | 0.52 | 0.44 | 0.43 | | 0.48 | 0.44 | 0.46 | |
| | | CHROMIUM | 7440473 | | | | | | | | 0.00 | 0.00 | 0.00 |
| | | CHROMIUM COMPOUNDS | CRC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.32 | 0.32 | 0.24 | 0.20 | 0.21 | | 0.22 | 0.20 | 0.21 | |
| | | ETHYLBENZENE | 100414 | | | | | | | | | | 0.01 |
| | | ETHYLENE DICHLORIDE | 107062 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | | 0.02 | 0.02 | 0.02 | |
| | | FORMALDEHYDE | 50000 | | | | | | | | 0.01 | 0.01 | 0.01 |
| | | HEXANE | 110543 | 0.02 | 0.01 | 0.02 | 0.01 | 0.00 | | 0.02 | 0.01 | 0.01 | |
| | | HEXAVALENT CHROMIUM | 18540299 | | | | | | | | 0.00 | 0.00 | 0.00 |
| | | HYDROCHLORIC ACID | 7647010 | 1.02 | 0.66 | 0.80 | 0.90 | 0.55 | | 0.13 | 0.09 | 0.09 | |
| | | HYDROGEN SULFIDE | 7783064 | 17.47 | 17.47 | 13.44 | 11.44 | 11.20 | | 11.67 | 10.58 | 1.73 | |
| | | MERCURY | 7439976 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | | 0.01 | 0.01 | 0.01 | |
| | | METHYL CHLORIDE | | | | | | | | | | | |
| | | CHLOROMETHANE | 74873 | | | | | | | | 0.00 | 0.00 | 0.00 |
| | | METHYL CHLOROFORM | 71556 | 0.05 | 0.05 | 0.04 | 0.03 | 0.08 | | 0.21 | 0.14 | 0.20 | |
| | | METHYL ETHYL KETONE | 78933 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 | |
| | | METHYLENE CHLORIDE | 75092 | 0.14 | 0.14 | 0.40 | 0.35 | 0.33 | | 0.36 | 0.33 | 0.15 | |
| | | NAPHTHALENE | 91203 | 0.46 | 0.42 | 0.35 | 0.32 | 0.27 | | 0.33 | 0.21 | 0.22 | |
| | | NICKEL | 7440020 | | | | | | | | 0.00 | 0.00 | 0.00 |
| | | STYRENE | 100425 | 0.04 | 0.04 | 0.02 | 0.01 | 0.01 | | 0.01 | 0.01 | 0.01 | |
| | | TETRACHLOROETHYLENE | 127184 | 0.56 | 0.56 | 0.42 | 0.35 | 0.33 | | 0.36 | 0.33 | 0.34 | |
| | | TOLUENE | 108883 | 1.11 | 1.11 | 0.72 | 0.61 | 0.59 | | 0.65 | 0.59 | 0.62 | |
| | | TRICHLOROETHYLENE | 79016 | 0.04 | 0.04 | 0.07 | 0.06 | 0.05 | | 0.06 | 0.05 | 0.05 | |
| | | VINYLDENE CHLORIDE | | | | | | | | | 0.00 | 0.00 | 0.00 |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 1.39 | 1.39 | 1.05 | 0.89 | 0.87 | | 1.08 | 0.99 | 1.03 | |
| | | BENZENE | 71432 | | | | | | | | 0.00 | 0.13 | 0.15 |
| | | ACETALDEHYDE | 75070 | 0.00 | 0.00 | 0.00 | 0.10 | 0.12 | | 0.09 | 0.44 | 0.50 | |
| | | ETHYL BENZENE | 100414 | | | | | | | | 0.00 | 0.35 | 0.40 |
| | | FORMALDEHYDE | 50000 | 0.30 | 0.55 | 0.22 | 0.11 | 0.44 | | 0.24 | 0.18 | 0.15 | |
| | | PROPYLENE OXIDE | 75569 | | | | | | | | 0.00 | 0.32 | 0.36 |
| | | TOLUENE | 108883 | 0.00 | 0.15 | 0.00 | 0.34 | 0.41 | | 0.28 | 1.45 | 1.66 | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.07 | 0.00 | 0.17 | 0.20 | | 0.14 | 0.71 | 0.82 | | | |
| BENZENE | 71432 | | | | | | | | | | 0.00 | | |
| CADMIUM | 7440439 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| CHROMIUM | 7440473 | 0.00 | 1.10 | 1.82 | 2.97 | 0.62 | | 0.68 | 0.70 | 0.57 | | | |
| CHROMIUM COMPOUNDS | CRC | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 | | | |
| FORMALDEHYDE | 50000 | | | | | | | | 0.03 | 0.03 | 0.02 | | |
| HEXANE | 110543 | 3.07 | 2.57 | 2.64 | 2.18 | 2.53 | | 2.06 | 1.92 | 1.85 | | | |
| HYDROGEN FLUORIDE | 7664393 | 1.81 | 0.79 | 0.71 | 0.46 | 0.81 | | 0.78 | 0.76 | 0.67 | | | |
| LEAD | PB | 0.00 | 1.73 | 1.94 | 1.77 | 0.37 | | 0.11 | 0.09 | 0.08 | | | |
| LEAD COMPOUNDS | PBC | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 | | | |
| MANGANESE | 7439965 | 0.00 | 1.40 | 2.31 | 3.46 | 0.65 | | 0.65 | 0.61 | 0.60 | | | |
| MANGANESE COMPOUNDS | MNC | 4.33 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 | | | |
| NICKEL | 7440020 | 0.00 | 1.08 | 4.25 | 7.24 | 1.23 | | 0.69 | 0.63 | 0.58 | | | |
| NICKEL COMPOUNDS | NIC | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 | | | |
| TOLUENE | 108883 | | | | | | | | | | 0.00 | | |
| ALLE-KISKI MEDICAL CENTER FORMERLY ALLEGHENY VALLEY HOSPITAL | 15065 | ETHYLENE GLYCOL | 107211 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | ETHYLENE OXIDE | 75218 | 0.15 | 0.05 | 0.05 | 0.02 | 0.03 | 0.03 | 0.01 | 0.01 | | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | HEXANE | 110543 | 0.00 | 0.14 | 0.17 | 0.18 | 0.14 | 0.04 | 0.05 | 0.05 | | |
| | | TOLUENE | 108883 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | | |
| ALLIED WASTE SERVICES OF PENNSYLVANIA | 15126 | 1,1,2,2-TETRACHLOROETHANE | 79345 | 0.12 | 0.17 | 0.00 | 0.00 | 0.05 | 0.14 | 0.14 | 0.07 | | |
| | | ETHYL CHLORIDE (CHLOROETHANE) | 75003 | 0.15 | 0.21 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.05 | | |
| | | HEXANE | 110543 | 0.11 | 0.15 | 0.00 | 0.00 | 0.44 | 0.44 | 0.44 | 0.44 | | |
| | | HYDROCHLORIC ACID | 7647010 | 3.57 | 5.07 | 0.00 | 0.00 | 5.00 | 1.48 | 1.44 | 1.48 | | |
| | | METHYL ETHYL KETONE | 78933 | 0.33 | 0.46 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.12 | 0.17 | 0.00 | 0.00 | 0.40 | 0.40 | 0.15 | 0.15 | | |
| | | METHYLENE CHLORIDE | 75092 | 0.78 | 1.10 | 0.00 | 0.00 | 0.93 | 0.00 | 0.93 | 0.92 | | |
| | | TETRACHLOROETHYLENE | 127184 | 0.40 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | TOLUENE | 108883 | 2.32 | 3.29 | 0.00 | 0.00 | 0.59 | 2.80 | 2.80 | 2.79 | | |
| | | TRICHLOROETHYLENE | 79016 | 0.24 | 0.34 | 0.00 | 0.00 | 0.29 | 0.29 | 0.29 | 0.26 | | |
| | | CHLOROETHENE (VINYL CHLORIDE) | 75014 | 0.29 | 0.42 | 0.00 | 0.00 | 0.05 | 0.36 | 0.36 | 0.35 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.82 | 1.17 | 0.00 | 0.00 | 1.00 | 0.99 | 0.99 | 0.99 | | |
| ALMATIS LEETSDALE | 15056 | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | | |
|--|----------|---|----------|----------------------------|---------|-------|-------|-------|------|-------|-------|------|------|
| AMERICAN BRIDGE MANUFACTURING | 15108 | ETHYL BENZENE | 100414 | 0.22 | 0.72 | 0.36 | 0.79 | 0.56 | 0.31 | 0.29 | 0.11 | | |
| | | ETHYLENE GLYCOL | 107211 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.01 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | LEAD | 7439921 | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | MANGANESE | 7439965 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | MANGANESE COMPOUNDS | MNC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | METHANOL | 67561 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | METHYL ETHYL KETONE | 78933 | 2.41 | 0.34 | 0.00 | 0.00 | 0.00 | | | | 0.00 | |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.12 | 0.01 | 0.02 | 1.00 | 0.03 | 0.08 | 0.12 | 0.13 | | |
| | | M-XYLENE | 108383 | 0.00 | 0.00 | 0.00 | 0.98 | 1.17 | 0.61 | 0.24 | 0.03 | | |
| | | NAPHTHALENE | 91203 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | | |
| | | O-XYLENE | 95476 | 0.00 | 0.00 | 0.00 | 0.38 | 0.31 | 0.16 | 0.08 | 0.01 | | |
| | | P-XYLENES | 106423 | 0.00 | 0.00 | 0.00 | 0.33 | 0.43 | 0.22 | 0.10 | 0.01 | | |
| | | TOLUENE | 108883 | 0.84 | 0.21 | 0.57 | 2.86 | 2.00 | 2.03 | 0.76 | 0.13 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 1.04 | 2.99 | 2.10 | 3.12 | 0.69 | 0.75 | 1.13 | 0.59 | | |
| | | ASHLAND SPECIALTY CHEMICAL CO - NEVILLE | 15225 | 1,2-PROPANEDIOL | 57556 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | | | 0.00 |
| DICYCLOPENTADIENE | 77736 | | | 0.10 | 0.06 | 1.37 | 0.12 | 0.20 | | | 0.00 | | |
| ETHYLENE GLYCOL | 107211 | | | 0.08 | 0.10 | 0.85 | 0.18 | 0.20 | 0.22 | 0.23 | 0.23 | | |
| HEXANE | 110543 | | | 0.49 | 0.39 | 0.09 | 0.06 | 0.05 | 0.06 | 0.05 | 0.14 | | |
| HYDROCHLORIC ACID | 7647010 | | | 0.00 | 0.09 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | |
| MALEIC ANHYDRIDE | 108316 | | | 0.59 | 0.45 | 1.06 | 0.48 | 0.44 | 0.47 | 0.50 | 0.49 | | |
| MERCURY | 7439976 | | | | | | | | | | 0.00 | | |
| METHYL METHACRYLATE | 80626 | | | 0.11 | 0.09 | 0.82 | 0.74 | 0.95 | 0.66 | 0.78 | 0.68 | | |
| PHTHALIC ANHYDRIDE | 85449 | | | 0.90 | 0.78 | 1.10 | 0.81 | 0.86 | 0.87 | 1.03 | 1.03 | | |
| STYRENE | 100425 | | | 4.10 | 4.29 | 4.27 | 3.65 | 4.85 | 4.12 | 5.09 | 4.94 | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| ASHLAND TERMINALS FKA SUNOCO | 15225 | | | BIS(2-ETHYLHEXYL)PHTHALATE | 117817 | 0.00 | 0.00 | 0.02 | 0.01 | 0.01 | 0.00 | 0.00 | |
| | | | | PHTHALIC ANHYDRIDE | 85449 | 0.00 | 0.00 | 0.36 | 0.16 | 0.14 | 0.11 | 0.00 | |
| BASIC CARBIDE | 15018 | | | Co | 7440484 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 |
| | | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| BAY VALLEY FOODS, LLC (FORMERLY DLM FOODS & HEINZ) | 15212 | 1,4-DICHLOROBENZENE | | | | | | | | | 0.00 | | |
| | | BENZENE | | | | | | | | | 0.00 | | |
| | | CADMIUM | | | | | | | | | 0.00 | | |
| | | CHROMIUM | | | | | | | | | 0.00 | | |
| | | FORMALDEHYDE | | | | | | | | | 0.02 | | |
| | | HEXAVALENT CHROMIUM | 18540299 | 0.00 | 0.00 | 0.00 | 16.72 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | HEXANE | 110543 | 0.00 | 0.21 | 0.20 | 0.17 | 0.07 | 0.00 | 0.24 | 0.31 | | |
| | | HYDROCHLORIC ACID | 7647010 | 28.67 | 24.46 | 20.69 | 26.66 | 22.37 | 0.63 | 16.48 | 14.85 | | |
| | | HYDROGEN FLUORIDE | 7664393 | 3.58 | 3.06 | 2.59 | 2.65 | 2.80 | 0.12 | 2.06 | 1.86 | | |
| | | LEAD | PB | 0.00 | 0.01 | 0.08 | 0.23 | 0.24 | 0.25 | 0.18 | 0.16 | | |
| | | LEAD COMPOUNDS | PBC | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | MERCURY | 7439976 | | | | | | | 0.00 | 0.00 | | |
| | | NICKEL | | | | | | | | | 0.00 | | |
| | | TOLUENE | | | | | | | | | 0.00 | | |
| | | BELLEFIELD BOILER PLANT | 15213 | ARSENIC | 7440382 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | BENZENE | 71432 | | | | | | | | 0.00 |
| BERYLLIUM COMPOUNDS | BEC | | | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| CADMIUM | 7440439 | | | | | | | | | | 0.00 | | |
| CHROMIUM | 7440473 | | | | | | | | | | 0.00 | | |
| FORMALDEHYDE | 50000 | | | | | | | | 0.00 | 0.04 | 0.05 | | |
| HEXAVALENT CHROMIUM | 18540299 | | | 0.10 | 0.05 | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| HEXANE | 110543 | | | 0.52 | 0.75 | 0.89 | 1.21 | 1.20 | 1.12 | 1.02 | 1.09 | | |
| HYDROCHLORIC ACID | 7647010 | | | 29.44 | 27.08 | 31.14 | 16.09 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| HYDROGEN FLUORIDE | 7664393 | | | 3.68 | 3.38 | 3.89 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| LEAD | PB | | | 0.00 | 0.14 | 0.02 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| LEAD COMPOUNDS | PBC | | | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| MANGANESE | 7439965 | | | | | | | | | | 0.00 | | |
| MERCURY | 7439976 | | | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| NICKEL | 7440020 | | | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| NICKEL COMPOUNDS | NIC | | | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| TOLUENE | 108883 | | | | | | | | 0.00 | | | | |
| BETTIS ATOMIC POWER LABORATORY | 15122 | CHROMIUM | 7440473 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| | | HEXANE | 110543 | 0.00 | 0.07 | 0.07 | 0.06 | 0.07 | 0.06 | 0.05 | 0.06 | | |
| | | METHANOL | 67561 | | | | | 0.07 | | | 0.00 | | |
| | | TOLUENE | 108883 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | | |
| BP PRODUCTS NORTH AMERICA INC. | 15108 | XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | 2,2,4-TRIMETHYLPENTANE | 540841 | 0.15 | 0.12 | 0.11 | 0.13 | 0.12 | 0.11 | 0.00 | | | |
| | | BENZENE | 71432 | 0.08 | 0.06 | 0.06 | 0.07 | 0.06 | 0.07 | 0.00 | | | |
| | | ETHYL BENZENE | 100414 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | | | |
| | | HEXANE | 110543 | 0.76 | 0.61 | 0.55 | 0.64 | 0.55 | 0.50 | 0.00 | | | |
| | | ISOPROPYLBENZENE | 98828 | | | | | | 0.00 | 0.00 | | | |
| | | METHANOL | 67561 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| | | TOLUENE | 108883 | 0.17 | 0.13 | 0.12 | 0.15 | 0.13 | 0.10 | 0.00 | | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.09 | 0.06 | 0.06 | 0.06 | 0.07 | 0.03 | 0.00 | | | |
| | | BRAD FOOTE GEAR WORKS INC | 15225 | ETHYL BENZENE | 100414 | | | | | | 0.00 | 0.00 | 0.00 |
| ETHYLENE GLYCOL | 107211 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| HEXANE | 110543 | | | | | | | | 0.00 | 0.06 | 0.05 | | |
| TOLUENE | 108883 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | | | | | | 0.00 | 0.00 | 0.00 | | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|--|---------|-------------------------------|---------|------|------|------|------|------|------|------|------|------|
| BROUDY PRINTING INC/PGH | 15216 | HEXANE | 110543 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | TRICHLOROETHYLENE | 79016 | | | | | 4.76 | 4.30 | 4.10 | 3.97 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | | | 2.56 | 2.31 | 2.21 | 2.14 | |
| BUCKEYE CORAOPOLIS PIPELINE FACILITY | 15108 | 2,2,4-TRIMETHYLPENTANE | 540841 | 0.29 | 0.26 | 0.29 | 0.12 | 0.10 | 0.03 | 0.21 | 0.16 | |
| | | BENZENE | 71432 | 0.25 | 0.21 | 0.21 | 0.09 | 0.07 | 0.06 | 0.22 | 0.14 | |
| | | ISOPROPYLBENZENE | 98828 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | |
| | | ETHYL BENZENE | 100414 | 0.03 | 0.03 | 0.02 | 0.01 | 0.01 | 0.02 | 0.05 | 0.02 | |
| | | HEXANE | 110543 | 1.72 | 1.53 | 1.35 | 0.52 | 0.43 | 0.10 | 0.92 | 0.73 | |
| | | METHYL TERT-BUTYL ETHER | 1634044 | 1.09 | 0.96 | 0.09 | 0.04 | 0.03 | 0.01 | 0.06 | 0.05 | |
| | | NAPHTHALENE | 91203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | PHENOL | 108952 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | STYRENE | 100425 | 0.03 | 0.02 | 0.03 | 0.01 | 0.01 | 0.00 | 0.02 | 0.01 | |
| | | TOLUENE | 108883 | 0.36 | 0.32 | 0.26 | 0.10 | 0.09 | 0.15 | 0.43 | 0.23 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.12 | 0.11 | 0.08 | 0.04 | 0.03 | 0.07 | 0.17 | 0.08 | |
| CALGON CARBON CORPORATION | 15225 | CHLORINE | 7782505 | 0.00 | 0.03 | 0.06 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | |
| | | CHROMIUM | 7440473 | 0.00 | 0.08 | 0.04 | 0.04 | 0.00 | 0.10 | 0.09 | 0.08 | |
| | | CHROMIUM COMPOUNDS | CRC | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.04 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.03 | |
| | | HYDROCHLORIC ACID | 7647010 | 0.19 | 0.16 | 1.37 | 1.08 | 0.63 | 0.02 | 0.12 | 0.11 | |
| | | HYDROGEN FLUORIDE | 7664393 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | |
| | | LEAD | 7439921 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | MERCURY | 7439976 | | | | | | 0.00 | 0.00 | 0.00 | |
| CHAMBERS DEVELOPMENT CO., INC. | 15146 | 1,1,2,2-TETRACHLOROETHANE | 79345 | 0.11 | 0.06 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | 1,1 DICHLOROETHANE | | | | | | 0.10 | | | 0.00 | |
| | | ACRYLONITRILE | | | | | | 0.14 | 0.14 | 0.15 | 0.14 | |
| | | ETHYL BENZENE | 100414 | | | | | 0.21 | 0.21 | 0.22 | 0.22 | |
| | | ETHYL CHLORIDE | 75003 | 0.00 | 0.07 | 0.06 | 0.03 | 0.00 | | | 0.00 | |
| | | ETHYLIDENE DICHLORIDE | | | | | | | 0.10 | 0.10 | 0.10 | |
| | | HEXANE | 110543 | 0.10 | 0.05 | 0.05 | 0.23 | 0.24 | 0.24 | 0.25 | 0.25 | |
| | | HYDROCHLORIC ACID | 7647010 | 1.61 | 1.91 | 1.50 | 2.14 | 1.09 | 1.74 | 1.45 | 1.09 | |
| | | METHYL ETHYL KETONE | 78933 | 0.31 | 0.15 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.11 | 0.06 | 0.05 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | METHYLENE CHLORIDE | 75092 | 0.74 | 0.36 | 0.34 | 0.49 | 0.52 | 0.51 | 0.54 | 0.54 | |
| | | TETRACHLOROETHYLENE | 127184 | 0.11 | 0.19 | 0.17 | 0.25 | 0.27 | 0.26 | 0.27 | 0.27 | |
| | | TOLUENE | 108883 | 2.20 | 1.09 | 1.00 | 1.48 | 0.00 | 0.00 | 1.61 | 1.60 | |
| | | TRICHLOROETHYLENE | 79016 | 0.23 | 0.11 | 0.10 | 0.15 | 0.16 | 0.16 | 0.17 | 0.17 | |
| | | CHLOROETHENE (VINYL CHLORIDE) | 75014 | 0.28 | 0.14 | 0.13 | 0.19 | 0.20 | 0.19 | 0.20 | 0.21 | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.78 | 0.39 | 0.36 | 0.52 | 0.55 | 0.54 | 0.54 | 0.55 | | | |
| CHASE SPECIALTY COATINGS - ROYSTON LABORATORIES DIVISION | 15238 | METHYL ETHYL KETONE | 78933 | 2.10 | 0.59 | 0.00 | 3.27 | 0.00 | | | 0.00 | |
| | | TOLUENE | 108883 | 2.34 | 5.41 | 7.52 | 5.79 | 4.52 | 3.75 | 4.88 | 4.22 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 1.65 | 2.58 | 3.10 | 0.44 | 0.10 | 0.03 | 0.04 | 0.07 | |
| | | | | | | | | | | | | |
| CLAIRTON SLAG, INC. | 15088 | 2-METHYLNAPHTHALENE | 91576 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | BENZENE | 71432 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.01 | 0.04 | 0.03 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.08 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | |
| | | MANGANESE COMPOUNDS | MNC | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | TOLUENE | 108883 | 0.00 | 0.02 | 0.01 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.01 | 0.05 | 0.03 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | | | | | | |
| CP INDUSTRIES | 15132 | 1-METHOXY-2-PROPANOL | 107982 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | 2-BUTOXY ETHANOL | 111762 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | 2-PROPOXYETHANOL | 2807309 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | BENZENE | 71432 | | | | | 0.34 | 0.00 | 0.00 | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.07 | 0.03 | 0.19 | 0.06 | 0.40 | 0.10 | 0.09 | 0.07 | |
| | | HEXANE | 110543 | 0.03 | 0.02 | 0.02 | 0.03 | 0.00 | 0.02 | 0.16 | 0.08 | |
| | | METHANOL | 67561 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | METHYL ETHYL KETONE | 78933 | 0.10 | 0.15 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.01 | 0.01 | 0.09 | 0.05 | 0.14 | 0.00 | 0.00 | 0.16 | |
| | | TOLUENE | 108883 | 0.02 | 0.03 | 0.06 | 0.02 | 0.50 | 0.06 | 0.04 | 0.03 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.17 | 0.09 | 0.68 | 0.22 | 0.19 | 0.38 | 0.35 | 0.18 | |
| EQUITABLE GAS/CREIGHTON STATION | 15030 | ACETALDEHYDE | 75070 | 0.00 | 0.00 | 0.48 | 0.50 | 0.19 | 0.00 | 0.00 | 0.00 | |
| | | ACROLEIN | 107028 | 0.00 | 0.00 | 0.48 | 0.50 | 0.19 | 0.00 | 0.00 | 0.00 | |
| | | BENZENE | 71432 | 0.00 | 0.00 | 0.12 | 0.12 | 0.05 | 0.04 | 0.05 | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.00 | 3.51 | 3.47 | 1.33 | 3.43 | 3.83 | 3.49 | |
| | | | | | | | | | | | | |
| DICE COMPRESSOR STATION | 15239 | BENZENE | 71432 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.63 | 0.08 | 0.58 | 0.27 | 0.05 | 0.13 | 0.15 | 0.28 | |
| | | HEXANE | 110543 | 0.00 | 0.96 | 1.50 | 1.53 | 1.56 | 1.50 | 0.39 | 2.04 | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | | |
|-------------------------------|---------|-------------------------------|----------|--------------------|---------|-------|-------|-------|-------|-------|-------|--|------|
| DUQUESNE UNIVERSITY | 15282 | 1,3-BUTADIENE | 106990 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | 1,4-DIOXANE | | | | | | | | | | | |
| | | ACETALDEHYDE | 75070 | | | | | 0.01 | 0.00 | 0.01 | 0.01 | | |
| | | ACETONE | 67641 | 0.00 | 0.00 | 5.24 | 3.52 | 0.00 | | | 0.00 | | |
| | | ACETONITRILE | 75058 | 0.00 | 0.00 | 0.05 | 0.05 | 0.06 | 0.05 | 0.02 | 0.05 | | |
| | | ACROLEIN | 107028 | | | | | | | | 0.00 | | |
| | | ACRYLAMIDE | 79061 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | |
| | | BENZENE | 71432 | | | | | | | | 0.00 | | |
| | | CHLOROFORM | 67663 | 0.10 | 0.08 | 1.65 | 2.10 | 0.70 | 1.01 | 1.00 | 1.00 | | |
| | | N,N-DIMETHYLFORMAMIDE | 68122 | 0.00 | 0.00 | 0.01 | 0.01 | 0.12 | 0.02 | 0.01 | 0.01 | | |
| | | ETHYL BENZENE | 100414 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | | |
| | | ETHYLENE GLYCOL | 107211 | | | | | | 0.00 | 0.10 | 0.00 | | |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.14 | 0.18 | 0.17 | 0.17 | 0.17 | 0.04 | 0.04 | | |
| | | HEXANE | 110543 | 0.06 | 0.10 | 1.16 | 1.30 | 0.72 | 1.38 | 0.96 | 0.90 | | |
| | | HYDROCHLORIC ACID | 7647010 | 0.00 | 0.00 | 0.04 | 0.05 | 0.03 | 0.02 | 0.02 | 0.00 | | |
| | | METHANOL | 67561 | 0.00 | 0.02 | 0.34 | 0.24 | 0.16 | 0.22 | 0.09 | 0.17 | | |
| | | METHYLENE CHLORIDE | 75092 | 0.00 | 0.02 | 0.67 | 0.04 | 0.00 | 0.93 | 1.26 | 0.34 | | |
| | | METHYLENE CHLORIDE-D2 | 1665005 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | | | 0.00 | | |
| | | NAPHTHALENE | 91203 | | | | | | | | 0.00 | | |
| | | PAH | | | | | | | | | 0.00 | | |
| | | PHENOL | 108952 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | PROPYLENE | 115071 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | PROPYLENE OXIDE | 75569 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | | |
| | | TOLUENE | 108883 | 0.00 | 0.03 | 0.10 | 0.03 | 0.05 | 0.02 | 0.03 | 0.03 | | |
| | | TRIETHYLAMINE | 121448 | | | | | | | | 0.00 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.02 | 0.05 | 0.04 | 0.02 | 0.02 | 0.04 | 0.01 | | |
| EASTMAN CHEMICAL RESINS, INC. | 15088 | 1,2,4-TRIMETHYLBENZENE | 95636 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | | | | | |
| | | 1,3-CYCLOPENTADIENE | 542927 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| | | ARSENIC | 7440382 | 0.00 | 0.00 | 0.00 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | | |
| | | BENZENE | 71432 | 1.96 | 0.24 | 1.11 | 1.11 | 0.01 | 0.01 | 0.01 | 0.02 | | |
| | | CHLORINE | 7782505 | 0.17 | 0.30 | 0.43 | 0.43 | 0.00 | 0.00 | 0.01 | 0.00 | | |
| | | ISOPROPYLBENZENE | 98828 | 3.59 | 2.14 | 3.65 | 3.65 | 0.48 | 0.51 | 0.49 | 0.61 | | |
| | | CYCLOHEXANE | 110827 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | CYCLOPENTENE | 142290 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | ETHYL BENZENE | 100414 | 5.20 | 1.14 | 1.29 | 1.29 | 0.50 | 0.39 | 0.83 | 0.64 | | |
| | | FORMALDEHYDE | 50000 | | | | | | | | 0.02 | | |
| | | HEXANE | 110543 | 0.02 | 0.33 | 0.76 | 0.76 | 0.39 | 0.44 | 0.00 | 0.45 | | |
| | | HYDROCHLORIC ACID | 7647010 | 1.69 | 1.79 | 2.26 | 2.26 | 1.88 | 0.07 | 0.00 | 0.00 | | |
| | | HYDROGEN FLUORIDE | 7664393 | 0.27 | 0.10 | 0.55 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | LEAD | PB | 0.00 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | METHYLSTYRENE | 25013154 | 0.00 | 0.11 | 0.48 | 0.48 | 0.00 | | | 0.00 | | |
| | | NAPHTHALENE | 91203 | 1.11 | 0.87 | 0.84 | 0.84 | 0.33 | 0.10 | 0.00 | 0.00 | | |
| | | PROPYL BENZENE | 103651 | 0.01 | 0.27 | 1.53 | 1.53 | 0.00 | | | 0.00 | | |
| | | STYRENE | 100425 | 19.72 | 11.11 | 7.84 | 7.84 | 2.46 | 1.77 | 2.92 | 3.95 | | |
| | | TOLUENE | 108883 | 36.88 | 34.07 | 21.38 | 21.38 | 14.72 | 14.85 | 10.75 | 11.94 | | |
| | | TRIMETHYL BENZENE | 2551137 | 0.01 | 0.00 | 1.45 | 1.45 | 0.00 | | | 0.00 | | |
| | | TRIMETHYLBENZENE | 25551137 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 10.82 | 4.22 | 3.67 | 3.67 | 2.00 | 2.77 | 3.92 | 2.75 | | |
| | | GALVTECH | 15207 | 1,4-DICHLOROENZENE | 106467 | | | | | | | | 0.00 |
| | | | | ANTIMONY | 7440360 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 |
| | | | | BENZENE | 71432 | | | | | | | | 0.00 |
| | | | | CADMIUM | 7440439 | | | | | | | | 0.00 |
| CHROMIUM | 7440473 | | | | | | | | | | 0.00 | | |
| FORMALDEHYDE | 50000 | | | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | | |
| HEXANE | 110543 | | | 0.62 | 0.34 | 0.34 | 0.28 | 0.03 | 0.03 | 0.26 | 0.30 | | |
| LEAD | PB | | | | | | | | | | 0.00 | | |
| NICKEL | 7440020 | | | | | | | | | | 0.00 | | |
| TOLUENE | 108883 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| CADMIUM | 7440439 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| CADMIUM COMPOUNDS | CDC | | | 0.29 | 0.01 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| Co | 7440484 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| COBALT COMPOUNDS | COC | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| HEXANE | 110543 | 0.00 | 0.32 | 0.08 | 0.10 | 0.09 | 0.09 | 0.07 | 0.07 | | | | |
| LEAD | PB | 0.00 | 0.00 | 0.49 | 1.12 | 0.85 | 1.06 | 0.29 | 0.53 | | | | |
| LEAD COMPOUNDS | PBC | 3.90 | 2.13 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| NICKEL | 7440020 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | | | |
| NICKEL COMPOUNDS | NIC | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| SELENIUM | 7782492 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| SELENIUM COMPOUNDS | SEC | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| NRG ENERGY - BRUNOT ISLAND | 15024 | ACETALDEHYDE | 75070 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | | |
| | | ACROLEIN | 107028 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | BENZENE | 71432 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | ETHYL BENZENE | 100414 | | | | | | 0.00 | 0.01 | 0.00 | | |
| | | FORMALDEHYDE | 50000 | 0.13 | 0.07 | 0.02 | 0.02 | 0.03 | 0.03 | 0.14 | 0.11 | | |
| | | MANGANESE | 7439965 | 0.03 | 0.00 | 0.01 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | | |
| | | POLYCYCLIC ORGANIC MATTER | POM | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | PROPYLENE OXIDE | 75569 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | TOLUENE | 108883 | 0.02 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | | |
|------------------------------------|-------|-------------------------------------|----------|--------------------|----------|--------|--------|--------|--------|------|------|------|------|
| NRG ENERGY INC. - CHESWICK STATION | 15144 | 2-CHLOROACETOPHENONE | 532274 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | 2,4-DINITROTOLUENE | | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | ACETALDEHYDE | 75070 | 0.34 | 0.33 | 0.30 | 0.33 | 0.22 | 0.31 | 0.29 | 0.35 | | |
| | | ACETOPHENONE | 98862 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | |
| | | ACROLEIN | 107028 | 0.17 | 0.17 | 0.16 | 0.17 | 0.11 | 0.16 | 0.15 | 0.18 | | |
| | | ANTHRACENE | 120127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | ANTIMONY | 7440360 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | ARSENIC | 7440382 | 0.41 | 0.24 | 0.22 | 0.24 | 0.16 | 0.22 | 0.21 | 0.25 | | |
| | | BENZENE | 71432 | 0.06 | 0.76 | 0.70 | 0.76 | 0.49 | 0.71 | 0.67 | 0.79 | | |
| | | BENZO(G,H,I)PERYLENE | 191242 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.18 | 0.05 | 0.03 | | |
| | | BENZYL CHLORIDE | 100447 | 0.42 | 0.41 | 0.37 | 0.41 | 0.00 | | | | 0.00 | |
| | | BERYLLIUM | 7440417 | 0.05 | 0.01 | 0.01 | 0.01 | 0.00 | | | | 0.00 | |
| | | BIPHENYL | 92524 | | | | | | | | 0.00 | 0.00 | 0.00 |
| | | BIS(2-ETHYLHEXYL)PHTHALATE | 117817 | 0.04 | 0.04 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | BROMOFORM | 75252 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | |
| | | CADMIUM | 7440439 | 0.01 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | |
| | | CARBON DISULFIDE | 75150 | 0.08 | 0.08 | 0.07 | 0.08 | 0.05 | 0.07 | 0.07 | 0.07 | 0.08 | |
| | | CHLOROBENZENE | 108907 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | CHLOROFORM | 67663 | 0.04 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | |
| | | CHROMIUM | 7440473 | 0.25 | 0.15 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | Cr+++ | 16065831 | 0.00 | 0.00 | 0.10 | 0.10 | 0.10 | 0.14 | 0.09 | 0.11 | | |
| | | HEXAVALENT CHROMIUM | 18540299 | 0.00 | 0.00 | 0.04 | 0.05 | 0.03 | 0.04 | 0.04 | 0.05 | | |
| | | Co | 7440484 | 0.05 | 0.06 | 0.05 | 0.06 | 0.04 | 0.05 | 0.05 | 0.06 | | |
| | | C=N | 57125 | 0.00 | 0.00 | 0.00 | 1.45 | 0.00 | 1.36 | 1.28 | 1.52 | | |
| | | CYANIDE COMPOUNDS | CNC | 1.49 | 1.46 | 1.34 | 0.00 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | DIMETHYL SULFATE | 77781 | 0.03 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 | 0.02 | 0.03 | 0.03 | |
| | | ETHYL BENZENE | 100414 | 0.06 | 0.05 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.05 | 0.06 | |
| | | ETHYL CHLORIDE (CHLOROETHANE) | 75003 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | |
| | | ETHYLENE DICHLORIDE | 107062 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | |
| | | FORMALDEHYDE | 50000 | 0.05 | 0.15 | 0.13 | 0.14 | 0.10 | 0.14 | 0.13 | 0.13 | 0.15 | |
| | | HEXANE | 110543 | 0.17 | 0.23 | 0.11 | 0.10 | 0.10 | 0.19 | 0.13 | 0.11 | | |
| | | HYDROCHLORIC ACID | 7647010 | 1021.93 | 1006.97 | 757.89 | 839.44 | 656.34 | 220.07 | 2.39 | 4.49 | | |
| | | HYDROGEN FLUORIDE | 7664393 | 96.85 | 95.08 | 72.26 | 79.59 | 59.07 | 19.68 | 0.07 | 2.99 | | |
| | | ISOPHORONE | 78591 | 0.34 | 0.34 | 0.31 | 0.34 | 0.22 | 0.32 | 0.30 | 0.35 | | |
| | | LEAD | PB | 0.23 | 0.25 | 0.22 | 0.24 | 0.16 | 0.06 | 0.01 | 0.02 | | |
| | | MANGANESE | 7439965 | 0.34 | 0.29 | 0.26 | 0.29 | 0.19 | 0.27 | 0.25 | 0.30 | | |
| | | MERCURY | 7439976 | 0.10 | 0.17 | 0.09 | 0.07 | 0.04 | 0.03 | 0.01 | 0.04 | | |
| | | METHYL BROMIDE (BROMOMETHANE) | 74839 | 0.10 | 0.09 | 0.09 | 0.09 | 0.06 | 0.09 | 0.08 | 0.10 | | |
| | | METHYL CHLORIDE | | | | | | | | | | | |
| | | CHLOROMETHANE | 74873 | 0.31 | 0.31 | 0.28 | 0.31 | 0.20 | 0.29 | 0.27 | 0.32 | | |
| | | METHYL CHLOROFORM | 71556 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | METHYL METHACRYLATE | 80626 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | METHYL TERT-BUTYL ETHER | 1634044 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | |
| | | METHYLENE CHLORIDE | 75092 | 0.17 | 0.17 | 0.16 | 0.17 | 0.11 | 0.16 | 0.15 | 0.18 | | |
| | | METHYL HYDRAZINE | 60344 | 0.10 | 0.10 | 0.09 | 0.10 | 0.06 | 0.09 | 0.09 | 0.10 | | |
| | | M-XYLENE | 108383 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | NAPHTHALENE | 91203 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | NICKEL | 7440020 | 0.21 | 0.16 | 0.15 | 0.16 | 0.11 | 0.15 | 0.14 | 0.17 | | |
| | | OCTACHLORODIBENZOFURANS, TOTAL | 39001020 | 0.00 | 0.00 | 0.00 | 0.00 | 0 | | | | 0.00 | |
| | | PHENOL | 108952 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | POLYCYCLIC ORGANIC MATTER | | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | PROPIONALDEHYDE | 123386 | 0.23 | 0.22 | 0.20 | 0.22 | 0.1442 | 0.21 | 0.19 | 0.23 | | |
| | | SELENIUM | 7782492 | 2.60 | 0.76 | 0.70 | 0.76 | 0.4933 | 0.71 | 0.67 | 0.79 | | |
| | | STYRENE | 100425 | 0.01 | 0.01 | 0.01 | 0.01 | 0.0095 | 0.01 | 0.01 | 0.02 | | |
| | | TETRACHLOROETHYLENE | 127184 | 0.03 | 0.03 | 0.02 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | TOLUENE | 108883 | 0.02 | 0.14 | 0.13 | 0.14 | 0.0917 | 0.13 | 0.12 | 0.15 | | |
| | | VINYL ACETATE | 108054 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0029 | 0.00 | 0.00 | 0.00 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.02 | 0.02 | 0.02 | 0.02 | 0.014 | 0.02 | 0.02 | 0.02 | 0.02 | |
| | | GLENSHAW GLASS COMPANY, INC. | 15116 | CHROMIUM (III) | 16065831 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| | | | | HYDROCHLORIC ACID | 7647010 | 3.95 | 0.00 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | SELENIUM COMPOUNDS | SEC | 1.96 | 0.00 | 0.41 | 0.00 | 0.00 | | | |
| GOTTLIEB, INC. | 15225 | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN | 1746016 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | HEXANE | 110543 | 0.00 | 0.03 | 0.03 | 0.02 | 0.03 | 0.03 | 0.05 | 0.05 | | |
| | | HYDROCHLORIC ACID | 7647010 | 0.00 | 0.87 | 1.09 | 0.80 | 1.15 | 1.39 | 1.50 | 1.46 | | |
| | | HYDROGEN FLUORIDE | 7664393 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 1.70 | 1.83 | 1.78 | | |
| GUARDIAN INDUSTRIES CORP. | 15025 | CADMIUM | 7440439 | | | | | | | | 0.00 | | |
| | | CADMIUM COMPOUNDS | CDC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | CHROMIUM | 7440473 | | | | | | 0.03 | 0.02 | 0.01 | | |
| | | CHROMIUM COMPOUNDS | CRC | 0.01 | 0.06 | 0.08 | 0.01 | 0.01 | | | 0.00 | | |
| | | COBALT COMPOUNDS | COC | | | | | | | | 0.00 | | |
| | | HEXANE | 110543 | 0.00 | 0.04 | 0.08 | 0.08 | 0.07 | 0.07 | 0.07 | 0.07 | | |
| | | SELENIUM | 7782492 | | | | | | 6.27 | 2.73 | 1.82 | | |
| | | SELENIUM COMPOUNDS | SEC | 1.48 | 1.74 | 0.39 | 0.30 | 2.87 | | | 0.00 | | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | | |
|---|---------|---|---------|-------------------|---------|------|------|------|------|------|------|------|------|
| GULF OIL L.P. | 15225 | 1,2-DIBROMOETHANE | 106934 | | | | | | 0.00 | 0.01 | 0.01 | | |
| | | 2,2,4-TRIMETHYLPENTANE | 540841 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | BENZENE | 71432 | 4.76 | 0.77 | 0.59 | 0.00 | 1.59 | 1.28 | 0.35 | 0.33 | | |
| | | ISOPROPYLBENZENE | 98828 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | ETHYL BENZENE | 100414 | 1.01 | 0.32 | 0.88 | 1.01 | 1.62 | 1.31 | 0.06 | 0.05 | | |
| | | 1,2-DIBROMOETHANE | 106934 | | | | | 0.01 | | | | | |
| | | ETHYLENE DICHLORIDE | 1070602 | | | | | 0.11 | 0.00 | 0.10 | 0.08 | | |
| | | HEXANE | 110543 | 0.23 | 0.69 | 0.88 | 1.01 | 1.28 | 1.03 | 0.55 | 0.51 | | |
| | | METHYL TERT-BUTYL ETHER | 1634044 | 6.74 | 3.18 | 4.72 | 5.39 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | NAPHTHALENE | 91203 | 9.70 | 0.91 | 0.29 | 0.34 | 0.03 | 0.03 | 0.00 | 0.00 | | |
| | | TOLUENE | 108883 | 2.06 | 1.75 | 1.77 | 0.00 | 2.93 | 2.37 | 0.40 | 0.36 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 1.09 | 0.58 | 2.95 | 3.37 | 4.48 | 3.61 | 0.18 | 0.17 | | |
| | | 2-BUTOXY ETHANOL | 111762 | 8.05 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| | | RR DONNELLEY PITTSBURGH formerly Hoechstetter Printing | 15208 | ETHYLENE GLYCOL | 107211 | 0.48 | 0.72 | 0.62 | 0.12 | 0.10 | 0.10 | 0.10 | 0.11 |
| GLYCOL ETHERS | GLYET | | | 0.00 | 0.59 | 0.12 | 0.12 | 0.10 | 0.10 | 0.10 | 0.11 | | |
| HEXANE | 110543 | | | 0.23 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | | |
| HYDROQUINONE | 123319 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| NAPHTHALENE | 91203 | | | 0.00 | 0.36 | 0.14 | 0.18 | 0.18 | 0.18 | 0.22 | 0.18 | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | 1.30 | 0.14 | 0.28 | 0.45 | 0.85 | 0.97 | 0.64 | 0.61 | | |
| ARSENIC | 7440382 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| BENZENE | 71432 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| CADMIUM | 7440439 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| CHROMIUM | 7440473 | | | | | | | | 0.01 | 0.01 | 0.01 | | |
| LIBERTAS COPPER LLC (formerly Hussey Copper) | 15056 | CHROMIUM COMPOUNDS | CRC | 0.01 | 0.09 | 0.00 | 0.01 | 0.00 | | | 0.00 | | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.01 | 0.00 | 0.01 | | |
| | | HEXANE | 110543 | 0.00 | 0.38 | 0.39 | 0.31 | 0.10 | 0.24 | 0.36 | 0.44 | | |
| | | LEAD | PB | 0.00 | 0.14 | 0.01 | 0.01 | 0.14 | 0.13 | 0.11 | 0.15 | | |
| | | LEAD COMPOUNDS | PBC | 0.28 | 0.69 | 0.07 | 0.09 | 0.00 | | | 0.00 | | |
| | | MANGANESE | 7439965 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | NAPHTHALENE | 91203 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | NICKEL | 7440020 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | TOLUENE | 108883 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | SOUTH HILLS HEALTH SYSTEM - JEFFERSON CENTER | 15236 | BENZENE | 71432 | | | | | | | | 0.00 |
| | | | | ETHYLENE OXIDE | 75218 | 0.04 | 0.04 | 0.03 | 0.04 | 0.03 | 0.04 | 0.03 | 0.03 |
| | | | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.01 |
| | | | | HEXANE | 110543 | 0.00 | 0.07 | 0.08 | 0.09 | 0.09 | 0.10 | 0.10 | 0.12 |
| | | | | METHANOL | 67561 | | | | | | | | 0.00 |
| NICKEL | 7440020 | | | | | | | | | | 0.00 | | |
| TOLUENE | 108883 | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| 1,1,2,2-TETRACHLOROETHANE | 79345 | | | 0.08 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | |
| KELLY RUN SANITATION | 15037 | ACRYLONITRILE | 107131 | 0.16 | 0.02 | 0.02 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | | |
| | | BENZENE | 71432 | 0.08 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | |
| | | ETHYL BENZENE | 100414 | 0.23 | 0.03 | 0.03 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | | |
| | | ETHYL CHLORIDE (CHLOROETHANE) | 75003 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | |
| | | ETHYLIDENE DICHLORIDE | 75343 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | HEXANE | 110543 | 0.08 | 0.04 | 0.04 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | | |
| | | HYDROCHLORIC ACID | 7647010 | 0.02 | 0.10 | 0.16 | 0.09 | 0.10 | 0.21 | 0.22 | 0.22 | | |
| | | METHYL ETHYL KETONE | 78933 | 0.23 | 0.03 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.08 | 0.03 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | | |
| | | METHYLENE CHLORIDE | 75092 | 0.59 | 0.08 | 0.08 | 0.15 | 0.16 | 0.15 | 0.15 | 0.15 | | |
| | | TETRACHLOROETHYLENE | 127184 | 0.18 | 0.01 | 0.04 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | | |
| | | TOLUENE | 108883 | 1.76 | 0.24 | 0.24 | 0.43 | 0.47 | 0.45 | 0.45 | 0.45 | | |
| | | TRICHLOROETHYLENE | 79016 | 0.20 | 0.02 | 0.02 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | | |
| | | CHLOROETHENE (VINYL CHLORIDE) | 75014 | 0.23 | 0.03 | 0.03 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.63 | 0.09 | 0.09 | 0.15 | 0.17 | 0.16 | 0.16 | 0.16 | | |
| | | KELMAN BOTTLES, LLC formerly Glenshaw Glass | 15116 | CHROMIUM | 7440473 | | | | | | 0.00 | 0.00 | |
| | | | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | |
| | | | | HEXANE | 110543 | | | | | 0.25 | 0.02 | 0.00 | |
| | | | | HYDROCHLORIC ACID | 7647010 | | | | 0.81 | 0.94 | 0.13 | 0.00 | |
| | | | | NAPHTHALENE | 91203 | | | | | | 0.00 | 0.00 | |
| SELENIUM COMPOUNDS | SEC | | | | | | 0.52 | 0.60 | | | | | |
| KINDER MORGAN TRANSMIX | 15051 | 2,2,4-TRIMETHYLPENTANE | 540841 | | | | | | 0.00 | 0.16 | 0.19 | | |
| | | BENZENE | 71432 | 0.19 | 0.21 | 0.21 | 0.24 | 0.21 | 0.26 | 0.15 | 0.17 | | |
| | | CADMIUM | 7440439 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | CHROMIUM | 7440473 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | ETHYL BENZENE | 100414 | 0.02 | 0.02 | 0.02 | 0.02 | 0.00 | 0.02 | 0.02 | 0.02 | | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.01 | 0.00 | 0.00 | | |
| | | HEXANE | 110543 | 0.24 | 0.31 | 0.29 | 0.34 | 0.28 | 0.38 | 0.23 | 0.24 | | |
| | | ISOPROPYLBENZENE | 98828 | | | | | | 0.00 | 0.01 | 0.01 | | |
| | | LEAD | 7439921 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | METHYL TERT-BUTYL ETHER | 1634044 | 3.11 | 3.34 | 3.34 | 3.87 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | NAPHTHALENE | 91203 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | NICKEL | 7440020 | | | | | | 0.00 | 0.00 | 0.00 | | |
| | | TETRACHLOROETHYLENE | 127184 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | TOLUENE | 108883 | 0.24 | 0.24 | 0.24 | 0.28 | 0.24 | 0.29 | 0.21 | 0.24 | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.13 | 0.10 | 0.10 | 0.12 | 0.11 | 0.12 | 0.12 | 0.12 | | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | | | | |
|--|---------|-------------------------------|----------|--|---------|---------------------|-------|------|------|------|-------|-------|-------|------|--|
| KINDER-MORGAN LIQUIDS TERMINAL LLC | 15034 | BENZENE | 71432 | | | | | | | | 0.00 | | | | |
| | | CARBON DISULFIDE | 75150 | | | | | | | | | 0.00 | | | |
| | | ETHYL BENZENE | 100414 | | | | | | | | | 0.00 | | | |
| | | ETHYLENE OXIDE | 75218 | | | | | | | | | 0.00 | | | |
| | | FORMALDEHYDE | 50000 | | | | | | | 0.00 | 0.01 | 0.01 | | | |
| | | HEXANE | 110543 | 0.02 | 0.02 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | | | |
| | | M-XYLENE | 108383 | | | | | 0.01 | 0.00 | 0.02 | 0.01 | 0.01 | | | |
| | | O-XYLENE | 95476 | | | | | | | | | 0.00 | | | |
| KOPP GLASS, INCORPORATED | 15218 | TOLUENE | 108883 | | | | | | 0.00 | 0.01 | 0.00 | | | | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | | | | |
| | | GLYCOL ETHERS | GLYET | 0.00 | 0.02 | 0.00 | 0.04 | 0.02 | 0.03 | 0.02 | 0.00 | | | | |
| | | HEXANE | 110543 | 0.10 | 0.13 | 0.11 | 0.08 | 0.06 | 0.05 | 0.05 | 0.00 | | | | |
| | | HYDROCHLORIC ACID | 7647010 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| | | METHANOL | 67561 | 0.19 | 0.25 | 0.25 | 0.03 | 0.01 | 0.02 | 0.32 | 0.00 | | | | |
| | | TOLUENE | 108883 | | | | | | 0.00 | 0.00 | 0.00 | | | | |
| KOPPERS INDUSTRIES INC. CLAIRTON PLANT | 15025 | ACENAPHTHENE | 83329 | 1.08 | 1.72 | 0.70 | 0.39 | 0.64 | | | 0.00 | | | | |
| | | ACENAPHTHYLENE | 208968 | 1.10 | 0.22 | 0.04 | 0.02 | 0.06 | | | 0.00 | | | | |
| | | ANTHRACENE | 120127 | 0.78 | 0.66 | 0.12 | 0.06 | 0.33 | 0.39 | 0.27 | 0.19 | | | | |
| | | BENZ(A)ANTHRACENE | 56553 | 1.39 | 1.31 | 0.39 | 0.14 | 0.04 | 0.04 | 0.03 | 0.02 | | | | |
| | | BENZO(B)FLUORANTHENE | 205992 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.04 | 0.03 | 0.02 | | | | |
| | | BENZENE | 71432 | 2.62 | 3.11 | 0.41 | 0.52 | 0.66 | 0.77 | 1.26 | 1.04 | | | | |
| | | BENZO(A)FLUORENE | 30777185 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| | | BENZO(A)PYRENE | 50328 | 0.58 | 0.54 | 0.12 | 0.02 | 0.02 | 0.01 | 0.00 | 0.00 | | | | |
| | | BENZO(E)PYRENE | 192972 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| | | BENZO(G,H,I)PERYLENE | 191242 | 0.28 | 0.26 | 0.07 | 0.01 | 0.02 | 0.01 | 0.00 | 0.00 | | | | |
| | | BENZO(B)FLUORANTHENE | 205992 | | | | | 0.05 | 0.04 | 0.03 | 0.02 | | | | |
| | | BENZO(K)FLUORANTHENE | 207089 | 0.27 | 0.21 | 0.04 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | | | | |
| | | BENZOFURAN | 271896 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| | | BENZONITRILE | 100470 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| | | BIPHENYL | 92524 | 0.26 | 0.21 | 0.03 | 0.02 | 0.07 | 0.07 | 0.07 | 0.05 | | | | |
| | | CARBAZOLE | 86748 | 0.38 | 0.33 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| | | CHROMIUM | 7440473 | | | | | | | 0.00 | 0.00 | 0.00 | | | |
| | | CHRYSENE | 218019 | 1.50 | 1.43 | 0.43 | 0.15 | 0.02 | 0.02 | 0.01 | 0.01 | | | | |
| | | DIBENZO(A,H)ANTHRACENE | 53703 | 0.09 | 0.09 | 0.02 | 0.00 | 0.02 | 0.01 | 0.00 | 0.00 | | | | |
| | | DIBENZOFURANS | 132649 | 0.66 | 0.54 | 0.04 | 0.02 | 0.00 | | | 0.00 | | | | |
| | | ETHYL BENZENE | 100414 | 0.10 | 0.11 | 0.00 | 0.00 | 0.06 | 0.09 | 0.06 | 0.05 | | | | |
| | | FLUORANTHENE | 206440 | 1.97 | 1.76 | 0.57 | 0.30 | 0.52 | 0.60 | 0.49 | 0.34 | | | | |
| | | FLUORENE | 86737 | 1.21 | 1.07 | 0.06 | 0.05 | 0.14 | | | 0.00 | | | | |
| | | FORMALDEHYDE | 50000 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | | | | |
| | | HEXANE | 110543 | 0.18 | 0.20 | 0.17 | 0.10 | 0.15 | 0.18 | 0.16 | 0.17 | | | | |
| | | INDENE | 95136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| | | INDENO-1,2,3-CD-PYRENE | 193395 | 0.29 | 0.27 | 0.07 | 0.01 | 0.00 | | | 0.00 | | | | |
| | | LEAD COMPOUNDS | PBC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | | | |
| | | M-CRESOL | 108394 | 0.05 | 0.05 | 0.01 | 0.01 | 0.03 | 0.03 | 0.02 | 0.01 | | | | |
| | | M-XYLENE | 108383 | 0.45 | 0.53 | 0.25 | 0.11 | 0.29 | 0.37 | 0.30 | 0.11 | | | | |
| | | NAPHTHALENE | 91203 | 8.16 | 7.88 | 4.22 | 2.33 | 4.38 | 5.51 | 4.47 | 2.85 | | | | |
| | | NICKEL | 50000 | | | | | | | 0.00 | 0.00 | 0.00 | | | |
| | | O-CRESOL | 95487 | 0.05 | 0.06 | 0.03 | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | | | | |
| | | O-XYLENE | 95476 | 0.27 | 0.28 | 0.02 | 0.01 | 0.20 | 0.24 | 0.22 | 0.08 | | | | |
| | | P-CRESOL | 106445 | 0.04 | 0.05 | 0.02 | 0.01 | 0.02 | 0.03 | 0.02 | 0.00 | | | | |
| | | PHENANTHRENE | 85018 | 3.32 | 3.04 | 0.77 | 0.36 | 0.19 | | | 0.00 | | | | |
| | | PHENOL | 108952 | 0.07 | 0.08 | 0.04 | 0.02 | 0.04 | 0.05 | 0.03 | 0.02 | | | | |
| | | POLYCYCLIC ORGANIC MATTER | POM | 15.95 | 14.58 | 3.59 | 1.61 | 0.02 | 0.01 | 0.03 | 0.01 | | | | |
| | | P-XYLENES | 106423 | 0.47 | 0.54 | 0.07 | 0.03 | 0.28 | 0.36 | 0.29 | 0.11 | | | | |
| | | PYRENE | 129000 | 1.30 | 1.21 | 0.14 | 0.06 | 0.10 | | | 0.00 | | | | |
| | | PYRIDINE | 110861 | 0.06 | 0.06 | 0.03 | 0.01 | 0.00 | | | 0.00 | | | | |
| | | QUINOLINE | 91225 | 0.22 | 0.21 | 0.05 | 0.03 | 0.05 | 0.04 | 0.05 | 0.04 | | | | |
| | | STYRENE | 100425 | 0.40 | 0.47 | 0.06 | 0.02 | 0.16 | 0.25 | 0.19 | 0.15 | | | | |
| | | TOLUENE | 108883 | 1.19 | 1.43 | 0.02 | 0.04 | 0.20 | 0.29 | 0.29 | 0.32 | | | | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| | | LIBERTY PULTRUSIONS | 15122 | HEXANE | 110543 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | | |
| | | | | STYRENE | 100425 | 5.76 | 9.70 | 4.36 | 8.20 | 9.47 | 10.44 | 12.86 | 11.85 | | |
| | | | | METHANOL | 67561 | 1.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | | | METHYL ISOBUTYL KETONE | 108101 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | | | TOLUENE | 108883 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | | | LINDY PAVING INC/NEVILLE ISLAND TERMINAL | 15225 | 2-METHYLNAPHTHALENE | 91576 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| | | | | | | BENZENE | 71432 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 | |
| ETHYL BENZENE | 100414 | 0.04 | 0.00 | | | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | | | | | |
| FORMALDEHYDE | 50000 | 0.47 | 0.00 | | | 0.00 | 0.00 | 0.00 | 0.84 | 0.91 | | | | | |
| HEXANE | 110543 | 0.14 | 0.00 | | | 0.00 | 0.00 | 0.00 | 0.25 | 0.27 | | | | | |
| LEAD | PB | 0.01 | 0.00 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| METHYL CHLOROFORM | 71556 | 0.01 | 0.00 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| POLYNUCLEAR AROMATICS | PNA | 0.03 | 0.00 | | | 0.00 | 0.00 | 0.00 | | | | | | | |
| TOLUENE | 108883 | 0.02 | 0.00 | | | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | | | | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.03 | 0.00 | | | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | | | | | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------------------|---------|---|---------|---------------------|-------|------|------|------|------|------|------|
| LINDY PAVING SECOND AVE PLANT | 15219 | 2-METHYLNAPHTHALENE | 91576 | 0.00 | 0.02 | 0.00 | 0.02 | 0.00 | | | 0.00 |
| | | ACETALDEHYDE | 75070 | 0.00 | 0.29 | 0.00 | 0.38 | 0.00 | 0.00 | 0.41 | 0.00 |
| | | BENZENE | 71432 | 0.06 | 0.09 | 0.00 | 0.11 | 0.12 | 0.11 | 0.12 | 0.12 |
| | | ETHYL BENZENE | 100414 | 0.04 | 0.05 | 0.00 | 0.07 | 0.05 | 0.02 | 0.02 | 0.02 |
| | | FORMALDEHYDE | 50000 | 0.47 | 0.69 | 0.00 | 0.61 | 0.95 | 0.87 | 0.98 | 0.21 |
| | | HEXANE | 110543 | 0.14 | 0.21 | 0.00 | 0.27 | 0.28 | 0.26 | 0.29 | 0.28 |
| | | METHYL CHLOROFORM | 71556 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | POLYNUCLEAR AROMATICS | PNA | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | | | |
| | | LEAD | 7439921 | | | | | | 0.00 | 0.00 | 0.00 |
| | | TOLUENE | 108883 | 0.02 | 0.03 | 0.00 | 0.04 | 0.02 | 0.01 | 0.02 | 0.02 |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.03 | 0.04 | 0.00 | 0.06 | 0.03 | 0.03 | 0.03 | 0.03 |
| | | LINDY PAVING, INC. NEVILLE ISLAND PLANT | 15225 | 2-METHYLNAPHTHALENE | 91576 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | |
| BENZENE | 71432 | | | 0.00 | 0.07 | 0.14 | 0.10 | 0.11 | 0.11 | 0.11 | 0.08 |
| ETHYL BENZENE | 100414 | | | 0.00 | 0.04 | 0.09 | 0.06 | 0.02 | 0.02 | 0.02 | 0.02 |
| FORMALDEHYDE | 50000 | | | 0.00 | 0.56 | 1.13 | 0.77 | 0.88 | 0.84 | 0.91 | 0.18 |
| HEXANE | 110543 | | | 0.00 | 0.17 | 0.33 | 0.23 | 0.26 | 0.25 | 0.27 | 0.00 |
| LEAD | 7439921 | | | | | | | | 0.00 | 0.00 | 0.00 |
| METHYL CHLOROFORM | 71556 | | | 0.00 | 0.01 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| NAPHTHALENE | 91203 | | | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| POLYNUCLEAR AROMATICS | PNA | | | 0.00 | 0.03 | 0.07 | 0.05 | 0.00 | | | |
| TOLUENE | 108883 | | | 0.00 | 0.03 | 0.05 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | 0.00 | 0.04 | 0.07 | 0.05 | 0.03 | 0.03 | 0.03 | 0.03 |
| BENZENE | 71432 | | | | | | | 0.10 | 0.08 | 0.10 | 0.12 |
| ISOPROPYLBENZENE | 98828 | | | | | | | 0.01 | 0.01 | 0.01 | 0.00 |
| FORMALDEHYDE | 50000 | | | | | | | 0.05 | 0.04 | 0.05 | 0.06 |
| HEXANE | 110543 | | | | | 0.02 | 0.01 | 0.03 | 0.03 | | |
| LEAD | PB | | | | | 0.06 | 0.05 | 0.06 | 0.05 | | |
| METHYL CHLORIDE | | | | | | | | | | | |
| CHLOROMETHANE | 75092 | | | | | 0.16 | 0.13 | 0.16 | 0.03 | | |
| METHYL ISOBUTYL KETONE | 108101 | | | | | 0.14 | 0.12 | 0.12 | 0.62 | | |
| PHENOL | 108952 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | | |
| TOLUENE | 108883 | | | | | 4.90 | 4.10 | 4.87 | 2.78 | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | | | | 1.47 | 1.23 | 1.46 | | |
| MCCONWAY & TORLEY CORPORATION | 15201 | ARSENIC COMPOUNDS | ASC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 |
| | | BENZENE | 71432 | 0.15 | 0.68 | 0.80 | 1.62 | 0.75 | 4.20 | 4.79 | 5.05 |
| | | CADMIUM | 7440439 | | | | | | 0.00 | 0.00 | 0.00 |
| | | CHROMIUM | 7440473 | 0.00 | 0.16 | 0.14 | 0.11 | 0.06 | 0.18 | 0.20 | 0.20 |
| | | CHROMIUM COMPOUNDS | CRC | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 |
| | | FORMALDEHYDE | 50000 | | | | | | 0.01 | 0.00 | 0.01 |
| | | HEXANE | 110543 | 0.08 | 0.15 | 0.10 | 0.07 | 0.13 | 0.16 | 0.10 | 0.23 |
| | | LEAD | PB | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 |
| | | MANGANESE | 7439965 | 0.05 | 0.56 | 0.47 | 0.33 | 0.21 | 0.61 | 0.61 | 0.60 |
| | | NAPHTHALENE | 91203 | | | | | | | | 0.00 |
| | | NICKEL | 7440020 | 0.05 | 0.15 | 0.13 | 0.10 | 0.06 | 0.17 | 0.18 | 0.21 |
| | | PHENOL | 108952 | 0.01 | 0.06 | 0.07 | 0.14 | 0.07 | 0.37 | 0.42 | 0.44 |
| | | PHOSPHOROUS OXIDE | 1314563 | 0.03 | 0.11 | 0.11 | 0.08 | 0.00 | | | 0.00 |
| | | TOLUENE | 108883 | 0.00 | 0.00 | 0.00 | 0.08 | 0.03 | 0.24 | 0.27 | 0.29 |
| | | BENZENE | 71432 | | | | | | 0.00 | 0.00 | 0.00 |
| | | CHROMIUM | 7440473 | | | | | | | | 0.00 |
| | | MERCY HOSPITAL OF PITTSBURGH | 15219 | ETHYLENE OXIDE | 75218 | 0.56 | 0.48 | 0.30 | 0.27 | 0.11 | 0.05 |
| FORMALDEHYDE | 50000 | | | 0.01 | 0.01 | 0.09 | 0.10 | 0.10 | 0.09 | 0.10 | 0.09 |
| GLYCOL ETHERS | GLYET | | | 0.25 | 0.25 | 0.01 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| HEXANE | 110543 | | | 0.13 | 0.14 | 0.17 | 0.13 | 0.15 | 0.15 | 0.13 | 0.14 |
| METHANOL | 67561 | | | 0.04 | 0.04 | 0.17 | 0.17 | 0.60 | 0.52 | 0.55 | 0.62 |
| METHYL BROMIDE | 74839 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 |
| NICKEL | 7440020 | | | | | | | | 0.00 | 0.00 | 0.00 |
| TOLUENE | 108883 | | | | | | | | | | 0.00 |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | 0.01 | 0.01 | 1.52 | 1.68 | 1.52 | 1.52 | 0.91 | 1.52 |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|--|---------|------------------------------------|---------|------|------|------|------|--------|------|------|------|------|
| NEVILLE CHEMICAL COMPANY | 15225 | 1,2,4-TRIMETHYLBENZENE | 95636 | 3.45 | 2.56 | 0.29 | 0.24 | 0.00 | | | 0.00 | |
| | | 1,2-DICHLOROETHYLENE | 540590 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | 1,3,5-TRICHLOROBENZENE | 108703 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | 1,3-BUTADIENE | 106990 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ACETALDEHYDE | 73070 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | ACROLEIN | 107028 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | ANTHRACENE | 120127 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | BENZENE | 71432 | 4.14 | 2.67 | 0.32 | 0.26 | 0.34 | 0.25 | 0.29 | 0.29 | 0.25 |
| | | BENZOFURAN | 271896 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | BIPHENYL | 92524 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | BUTYLBENZENE | 104518 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | CADMIUM | 7440439 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | CARBON DISULFIDE | 75150 | | | | | | | | | 0.00 |
| | | CHLOROBENZENE | 108907 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | CHROMIUM | 7440473 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | CHROMIUM COMPOUNDS | CRC | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | CRESOLS (MIXED ISOMERS) | 1319773 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | ISOPROPYLBENZENE | 98828 | 0.17 | 0.87 | 0.27 | 0.24 | 0.29 | 0.00 | 0.16 | 0.14 | 0.14 |
| | | DICYCLOPENTADIENE | 77736 | 0.00 | 6.00 | 4.63 | 3.79 | 4.27 | | | | 0.00 |
| | | ETHYL BENZENE | 100414 | 1.69 | 3.92 | 0.98 | 0.82 | 0.91 | 0.68 | 0.70 | 0.62 | 0.62 |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 |
| | | HEXANE | 110543 | 0.16 | 0.15 | 0.28 | 0.22 | 0.26 | 0.24 | 0.24 | 0.24 | 0.23 |
| | | HYDROCHLORIC ACID | 7647010 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | INDENE | 95136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | MALEIC ANHYDRIDE | 108316 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | METHANE | 74828 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | METHANOL | 67561 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | NAPHTHALENE | 91203 | 1.00 | 3.39 | 0.51 | 0.41 | 0.44 | 0.37 | 0.41 | 0.34 | 0.34 |
| | | NICKEL | 7440020 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | PHENOL | 108952 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | PROPYL BENZENE | 103651 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | STYRENE | 100425 | 1.90 | 2.89 | 0.87 | 0.84 | 0.80 | 0.68 | 0.98 | 0.79 | 0.79 |
| | | TOLUENE | 108883 | 6.92 | 4.30 | 1.09 | 0.89 | 1.03 | 0.81 | 0.86 | 0.77 | 0.77 |
| | | TRIMETHYL BENZENE | 2551137 | 0.00 | 2.12 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 4.81 | 8.14 | 3.51 | 3.16 | 3.56 | 2.19 | 2.27 | 2.06 | 2.06 | | |
| NRG ENERGY CENTER PITTSBURGH | 15212 | BENZENE | 71432 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | CADMIUM | 7440439 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | CHROMIUM | 7440473 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | |
| | | HEXANE | 110543 | 0.00 | 0.00 | 0.45 | 0.42 | 0.47 | 0.49 | 0.52 | 0.58 | |
| | | LEAD | PB | | | | | | | | | 0.00 |
| | | MANGANESE | 7439965 | | | | | | | | | 0.00 |
| | | NAPHTHALENE | 91203 | | | | | | | | | 0.00 |
| | | NICKEL | 7440020 | | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| | | TOLUENE | 108883 | | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| OK GROCERYPERISHABLES WHSE/PGH | 15205 | BENZENE | | | | | | | | | 0.00 | |
| | | FORMALDEHYDE | | | | | | | | | 0.00 | |
| | | NAPHTHALENE | | | | | | | | | 0.00 | |
| | | TOLUENE | | | | | | | | | 0.00 | |
| PA AIR NATL GUARD/171 AIR REFUELING WING | 15108 | 2,2,4-TRIMETHYLPENTANE | | | | | | | | | 0.00 | |
| | | ACETALDEHYDE | 73070 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | ACROLEIN | 107028 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | BENZENE | 71432 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | CHROMIC ACID, STRONTIUM SALT (1:1) | 7789062 | | | | | | 0.00 | 0.01 | 0.00 | |
| | | ETHYL BENZENE | 100414 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.01 | |
| | | HEXANE | 110543 | | | | | | 0.03 | 0.03 | 0.03 | |
| | | HYDROGEN SULFIDE | 7783064 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | LEAD | 7439921 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | METHANOL | 67561 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | METHYL ISOBUTYL KETONE | 108101 | | | | | | 0.00 | 0.01 | 0.00 | |
| | | M-XYLENE | 108383 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | NAPHTHALENE | 91203 | | | | | | 0.00 | 0.03 | 0.02 | |
| | | O-XYLENE | 95476 | | | | | | | | | 0.00 |
| | | PAH | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | P-XYLENES | 106423 | | | | | | 0.00 | 0.00 | 0.00 | |
| TOLUENE | 108883 | | | | | | 0.00 | 0.00 | 0.00 | | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | | | | 0.00 | 0.00 | 0.00 | | | |
| PANNIER CORPORATION, GRAPHICS DIVISION | 15044 | (HO-CH2-CH2)2-O | 111466 | | | | | | | | 0.00 | |
| | | 1,2,4-TRIMETHYLBENZENE | 95636 | 0.04 | 0.03 | 0.05 | 0.03 | 0.00 | | | 0.00 | |
| | | DIMETHYL PHTHALATE | 131113 | | | | | | | | 0.01 | |
| | | ETHYL BENZENE | 100414 | 0.00 | 0.00 | 0.01 | 0.01 | 0.006 | 0.00 | | 0.01 | |
| | | GLYCOL ETHERS | GLYET | 0.20 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0023 | 0.00 | | 0.00 | |
| | | METHYL ETHYL KETONE | 78933 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | METHYL METHACRYLATE | 80626 | 2.31 | 2.20 | 2.43 | 1.98 | 1.931 | 0.50 | | 0.58 | |
| | | NAPHTHALENE | 91203 | 0.00 | 0.00 | 0.08 | 0.04 | 0.0476 | 0.06 | | 0.03 | |
| | | STYRENE | 100425 | 3.66 | 3.48 | 3.86 | 3.14 | 3.6213 | 3.17 | | 3.28 | |
| | | TOLUENE | 108883 | 0.12 | 0.61 | 0.65 | 0.43 | 0.5251 | 0.81 | | 0.55 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.01 | 0.06 | 0.08 | 0.14 | 0.0677 | 0.06 | 0.00 | 0.08 | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|---|---------|---------------------------------|---------|---------|--------|-------|------|--------|------|------|------|
| PERROTTE WOOD FINISHING COMPANY | 15201 | TOLUENE | 108883 | 0.00 | 0.00 | 0.00 | 0.25 | 0.6521 | 0.00 | 0.00 | 0.00 |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.00 | 0.00 | 0.11 | 0.292 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | | | |
| PITT PENN OIL COMPANY | 15030 | ETHYLENE GLYCOL | 107211 | 0.59 | 0.26 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | METHANOL | 67561 | 5.39 | 3.04 | 4.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | STODDARD SOLVENT | 8052413 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PITTSBURGH ALLEGHENY COUNTY THERMAL, LTD | 15222 | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.59 | 0.54 | 0.60 |
| | | LEAD | PB | 0.00 | 0.00 | 0.00 | 0.00 | 0.0002 | 0.00 | 0.00 | 0.00 |
| PITTSBURGH ELECTRICAL INSULATION | 15120 | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0006 | 0.00 | | |
| | | LEAD | PB | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | METHANOL | 67561 | 0.23 | 0.26 | 4.04 | 2.55 | 1.64 | 4.34 | | |
| | | METHYL ETHYL KETONE | 78933 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | | | |
| PITTSBURGH TERMINALS CORP CORAOPOLIS | 15108 | TOLUENE | 108883 | 0.49 | 0.37 | 6.81 | 4.40 | 2.6 | 7.18 | | |
| | | 2,2,4-TRIMETHYLPENTANE | 540841 | 0.41 | 0.33 | 0.32 | 0.31 | 0.2734 | 0.26 | 0.27 | 0.34 |
| | | BENZENE | 71432 | 0.47 | 0.37 | 0.36 | 0.35 | 0.3081 | 0.31 | 0.32 | 0.40 |
| | | ETHYL BENZENE | 100414 | 0.03 | 0.04 | 0.04 | 0.04 | 0.0352 | 0.07 | 0.07 | 0.08 |
| | | HEXANE | 110543 | 0.45 | 0.65 | 0.65 | 0.63 | 0.5477 | 0.55 | 0.57 | 0.71 |
| | | POLYCYCLIC ORGANIC MATTER | POM | 0.00 | 0.02 | 0.02 | 0.02 | 0.0172 | 0.02 | 0.02 | 0.02 |
| | | TOLUENE | 108883 | 0.41 | 0.54 | 0.53 | 0.52 | 0.4512 | 0.54 | 0.55 | 0.67 |
| PITTSBURGH TERMINALS CORP NEVILLE ISLAND | 15225 | 2,2,4-TRIMETHYLPENTANE | 540841 | 0.30 | 0.21 | 0.21 | 0.18 | 0.186 | 0.13 | 0.17 | 0.21 |
| | | BENZENE | 71432 | 0.36 | 0.23 | 0.24 | 0.20 | 0.2097 | 0.15 | 0.19 | 0.24 |
| | | ETHYL BENZENE | 100414 | 0.06 | 0.03 | 0.03 | 0.02 | 0.024 | 0.02 | 0.03 | 0.03 |
| | | HEXANE | 110543 | 0.60 | 0.41 | 0.42 | 0.36 | 0.3715 | 0.27 | 0.34 | 0.42 |
| | | M-XYLENE | 108383 | 0.25 | 0.16 | 0.17 | 0.14 | 0.1445 | 0.10 | 0.13 | 0.16 |
| | | POLYCYCLIC ORGANIC MATTER | POM | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| | | TOLUENE | 108883 | 0.53 | 0.34 | 0.35 | 0.30 | 0.31 | 0.23 | 0.29 | 0.36 |
| | | ACETONITRILE | 75058 | 1.09 | 0.61 | 0.60 | 0.53 | 0.33 | 0.00 | 0.90 | 1.20 |
| | | CHLOROBENZENE | 108907 | 0.25 | 0.07 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | CHLOROFORM | 67663 | 0.39 | 0.22 | 0.12 | 0.00 | 0.28 | 0.16 | 0.19 | 0.00 |
| PPG INDUSTRIES - CHEMICALS TECHNICAL CENTER | 15146 | ISOPROPYLBENZENE | 98828 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | ETHYLENE DICHLORIDE | 107062 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 |
| | | ETHYLENE GLYCOL | 107211 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 |
| | | HEXANE | 110543 | 0.49 | 0.75 | 0.57 | 0.87 | 1.24 | 0.37 | 1.20 | 0.33 |
| | | HYDROCHLORIC ACID | | | | | | 0.28 | 0.11 | 0.67 | 0.61 |
| | | METHANOL | 67561 | 0.38 | 0.20 | 1.28 | 0.77 | 0.22 | 0.15 | 0.39 | 0.46 |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.10 | 1.22 | 0.45 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 |
| | | METHYLENE CHLORIDE | 75092 | 1.85 | 1.89 | 0.86 | 0.34 | 1.18 | 0.58 | 3.27 | 1.52 |
| | | O-XYLENE | 95476 | 0.00 | 0.12 | 0.00 | 0.11 | 0.00 | 0.05 | 0.00 | 0.00 |
| | | PHENOL | 108952 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | TETRAHYDROFURAN | 109999 | 0.49 | 0.55 | 1.00 | 0.27 | 0.00 | | | 0.00 |
| | | TOLUENE | 108883 | 0.52 | 0.51 | 0.53 | 0.10 | 2.93 | 1.86 | 9.60 | 2.54 |
| | | TRICHLOROETHYLENE | 79016 | 0.00 | 0.00 | 0.00 | 0.15 | 0.23 | 0.15 | 0.27 | 0.10 |
| | | TRIETHYLAMINE | 121448 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.03 | 0.01 | 0.01 |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.43 | 1.17 | 1.00 | 0.49 | 1.14 | 1.17 | 0.07 | 0.26 |
| | | PPG INDUSTRIES, INC. SPRINGDALE | 15144 | BENZENE | 71432 | | | | | | 0.00 |
| CHROMIUM | 7440473 | | | | | | | | | | 0.00 |
| ETHYL BENZENE | 100414 | | | 0.40 | 0.36 | 0.00 | 0.62 | 0.58 | 0.85 | 0.73 | 0.86 |
| FORMALDEHYDE | 50000 | | | | | | | | 0.00 | 0.00 | 0.01 |
| GLYCOL ETHERS | GLYET | | | 0.00 | 0.00 | 0.00 | 3.70 | 2.60 | 5.01 | 4.22 | 4.64 |
| HEXANE | 110543 | | | 0.00 | 0.00 | 0.07 | 0.10 | 0.18 | 0.18 | 0.18 | 0.18 |
| ISOPHORONE | 78591 | | | 0.00 | 0.00 | 0.00 | 1.62 | 1.30 | 1.66 | 1.11 | 1.44 |
| LEAD | PB | | | 0.00 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| METHYL ETHYL KETONE | 78933 | | | 51.81 | 17.16 | 0.00 | 0.00 | 0.00 | | | 0.00 |
| METHYL ISOBUTYL KETONE | 108101 | | | 18.33 | 12.08 | 1.54 | 0.28 | 0.35 | 0.36 | 0.39 | 0.47 |
| METHYL METHACRYLATE | 80626 | | | 0.00 | 0.03 | 0.06 | 0.05 | 0.05 | 0.06 | 0.07 | 0.06 |
| NAPHTHALENE | 91203 | | | | | | | | 0.44 | 0.30 | 0.30 |
| NICKEL | 7440020 | | | | | | | | 0.00 | 0.00 | 0.00 |
| STYRENE | 100425 | | | 0.00 | 0.88 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 |
| TOLUENE | 108883 | | | 30.41 | 16.41 | 3.56 | 1.12 | 1.13 | 0.90 | 0.83 | 1.02 |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | 32.00 | 17.03 | 15.53 | 3.13 | 2.94 | 4.31 | 3.76 | 4.40 |
| PRESSURE CHEMICAL COMPANY | 15201 | | | HEXANE | 110543 | 2.19 | 2.01 | 0.41 | 0.05 | 0.70 | 0.01 |
| | | METHANOL | 67561 | 3.10 | 8.60 | 3.20 | 0.07 | 3.30 | 0.00 | 0.00 | 0.36 |
| | | METHYLENE CHLORIDE | 75092 | 0.00 | 1.50 | 2.30 | 0.72 | 0.20 | 0.45 | 5.70 | 2.10 |
| | | TOLUENE | 108883 | 1.55 | 0.30 | 1.50 | 1.30 | 0.35 | 0.22 | 2.30 | 1.50 |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.53 | 0.50 | 1.40 | 0.04 | 0.50 | 0.49 | 0.50 | 0.00 |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|----------------------------|----------|-------------------------------|---------|---------------------------|-------|-------|-------|-------|-------|-------|-------|------|
| REDLAND BRICK INC. | 15024 | ARSENIC | 7440382 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | BENZENE | 71432 | 0.14 | 0.16 | 0.11 | 0.08 | 0.10 | 0.10 | 0.10 | 0.10 | |
| | | BIS(2-ETHYLHEXYL)PHTHALATE | 117817 | | | | | | | 0.10 | 0.00 | 0.00 |
| | | CHLORINE | 7782505 | 0.06 | 0.07 | 0.05 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ETHYL CHLORIDE (CHLOROETHANE) | 75003 | 0.03 | 0.03 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | FLUORIDES | FL | 0.00 | 1.56 | 1.07 | 0.80 | 0.00 | | | | 0.00 |
| | | HYDROCHLORIC ACID | 7647010 | 0.03 | 0.01 | 1.87 | 0.38 | 0.22 | 0.21 | 0.50 | 0.50 | |
| | | HYDROGEN FLUORIDE | 7664393 | 0.05 | 0.09 | 0.83 | 0.50 | 0.80 | 0.30 | 0.20 | 0.20 | |
| | | LEAD | PB | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | MANGANESE | 7439965 | 0.00 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | MERCURY | 7439976 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | METHYL CHLORIDE | 74873 | 0.03 | 0.04 | 0.03 | 0.02 | 0.00 | | | | |
| | | METHYL ETHYL KETONE | 78933 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | | | | |
| | | NICKEL | 7440020 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | SELENIUM | 7782492 | 0.02 | 0.01 | 0.00 | 0.01 | 0.00 | | | | |
| | | TOLUENE | 108883 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | SHENANGO INC. | 15225 | 1,1,2,2-TETRACHLOROETHANE | 79345 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 1,3-BUTADIENE | 106990 | | | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | |
| 1,4-DIOXANE | 123911 | | | 0.04 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | |
| 7-PAH | 7-PAH | | | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | | | | |
| ACENAPHTHYLENE | 208968 | | | 0.03 | 0.26 | 0.03 | 0.07 | 0.23 | | | | |
| ACETONITRILE | 75058 | | | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | |
| ACROLEIN | 107028 | | | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 | 0.03 | 0.02 | 0.03 | |
| ACRYLONITRILE | 107131 | | | 0.00 | 0.10 | 0.11 | 0.10 | 0.12 | 0.12 | 0.11 | 0.12 | |
| ANTHRACENE | 120127 | | | 0.04 | 0.05 | 0.04 | 0.03 | 0.06 | 0.06 | 0.06 | 0.06 | |
| ANTIMONY | 7440360 | | | 0.03 | 0.02 | 0.02 | 0.02 | 0.00 | | | | |
| ARSENIC | 7440382 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | |
| BENZ(A)ANTHRACENE | 56553 | | | 0.01 | 0.07 | 0.02 | 0.03 | 0.07 | 0.07 | 0.07 | 0.07 | |
| BENZO(B)FLUORANTHENE | 205992 | | | 0.01 | 0.05 | 0.01 | 0.03 | | | 0.02 | 0.03 | |
| BENZENE | 71432 | | | 2.85 | 8.15 | 12.38 | 11.13 | 13.95 | 12.86 | 12.58 | 14.83 | |
| BENZO(A)PYRENE | 50328 | | | 0.01 | 0.07 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | |
| BENZO(G,H,I)PERYLENE | 191242 | | | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | |
| BENZO(K)FLUORANTHENE | 207089 | | | 0.01 | 0.06 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| BENZOFLUORANTHENES | 56832736 | | | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | | | | |
| BIPHENYL | 92524 | | | 0.00 | 0.01 | 0.01 | 0.01 | 0.13 | 0.01 | 0.01 | 0.01 | |
| BIS(2-ETHYLHEXYL)PHTHALATE | 117817 | | | | | | | | | 0.00 | 0.00 | |
| CADMIUM | 7440439 | | | | | | | | | 0.00 | 0.00 | |
| CARBON DISULFIDE | 75150 | | | 1.35 | 1.26 | 0.00 | 0.05 | 0.06 | 0.06 | 0.06 | 0.06 | |
| CARBON OXY SULFIDE | 463581 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| CHLORINE | 7782505 | | | 0.19 | 0.19 | 0.19 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | |
| CHROMIUM | 7440473 | | | 0.35 | 0.22 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| CHRYSENE | 218019 | | | 0.01 | 0.09 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | |
| Co | 7440484 | | | 0.02 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | |
| COKE OVEN EMISSIONS | CE | | | 0.00 | 0.00 | 0.00 | 8.56 | 14.79 | 11.27 | 10.94 | 11.54 | |
| CRESOLS/CRESYLIC ACID | 1319773 | | | 0.18 | 0.19 | 0.17 | 0.15 | 0.02 | 0.03 | 0.17 | 0.18 | |
| C=N | 57125 | | | | | | | | | | 0.92 | |
| CYANIDE COMPOUNDS | CNC | | | 0.70 | 0.98 | 2.68 | 2.26 | 2.87 | 2.70 | 2.58 | 2.70 | |
| DIBENZO(A,H)ANTHRACENE | | | | | | | | | 0.00 | 0.00 | 0.00 | |
| DIBENZOFURAN | 132649 | | | 0.03 | 0.15 | 0.03 | 0.05 | | | | 0.00 | |
| ETHYL BENZENE | 100414 | | | 0.01 | 0.01 | 0.01 | 1.77 | 2.21 | 2.15 | 2.05 | 2.15 | |
| FLUORANTHENE | 206440 | | | 0.04 | 0.11 | 0.04 | 0.09 | 0.14 | 0.14 | 0.14 | 0.14 | |
| FLUORENE | 86737 | | | 0.02 | 0.14 | 0.02 | 0.05 | 0.10 | | | 0.00 | |
| FORMALDEHYDE | 50000 | | | 0.05 | 0.04 | 0.04 | 0.04 | 0.00 | 0.01 | 0.00 | 0.00 | |
| HEXANE | 110543 | | | 0.15 | 0.02 | 0.03 | 0.11 | 0.05 | 0.07 | 0.10 | 0.01 | |
| HYDROCHLORIC ACID | 7647010 | | | | | | | | | | 0.00 | |
| HYDROGEN SULFIDE | 7783064 | | | 8.64 | 9.29 | 7.97 | 0.23 | 0.44 | 0.12 | 0.14 | 0.16 | |
| INDENO-1,2,3-CD-PYRENE | 193395 | | | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| LEAD | PB | | | 0.01 | 0.01 | 0.01 | 0.01 | 0.04 | 0.04 | 0.03 | 0.04 | |
| MANGANESE | 7439965 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | |
| MERCURY | 7439976 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | |
| METHANOL | 67561 | | | 1.86 | 1.47 | 3.18 | 4.82 | 4.32 | 4.26 | 4.24 | 4.18 | |
| METHYL CHLORIDE | | | | | | | | | | | | |
| CHLOROMETHANE | 74873 | | | 0.00 | 0.00 | 0.00 | 1.34 | 1.68 | 1.63 | 1.55 | 1.63 | |
| METHYL ISOBUTYL KETONE | 108101 | | | 0.00 | 0.00 | 0.00 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | |
| METHYL METHACRYLATE | 80626 | | | 0.04 | 0.04 | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | |
| METHYLENE CHLORIDE | 75092 | | | | | | | | 0.00 | 0.00 | 0.00 | |
| METHYLPHENANTHRENES | 31711532 | | | 0.01 | 0.06 | 0.01 | 0.01 | 0.00 | | | 0.00 | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|---|-------|---|---------|------|------|------|------|------|------|------|------|------|
| SHENANGO INC. (continued from previous page) | 15225 | NAPHTHALENE | 91203 | 0.56 | 1.88 | 0.95 | 1.54 | 2.08 | 1.89 | 1.70 | 1.72 | |
| | | NICKEL | 7440020 | 0.04 | 0.03 | 0.03 | 0.03 | 0.05 | 0.04 | 0.04 | 0.04 | |
| | | PAH | PAH | 0.11 | 0.02 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | PHENANTHRENE | 85018 | 0.14 | 0.69 | 0.18 | 0.23 | 0.31 | | | | 0.00 |
| | | PHENANTHRENE, CYCLOPENTA-, (C15-H10) | 203645 | 0.01 | 0.13 | 0.01 | 0.03 | 0.00 | | | | 0.00 |
| | | PHENOL | 108952 | 0.67 | 1.40 | 0.89 | 0.97 | 1.05 | 1.06 | 1.03 | 1.04 | |
| | | PHOSPHORUS | 7723140 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | |
| | | POLYCYCLIC ORGANIC MATTER | POM | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | PYRENE | 129000 | 0.03 | 0.27 | 0.05 | 0.09 | 0.00 | | | | 0.00 |
| | | QUINOLINE | 91225 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| | | SELENIUM | 7782492 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | STYRENE | 100425 | 0.03 | 0.02 | 0.04 | 0.09 | 0.12 | 0.12 | 0.11 | 0.11 | 0.11 |
| | | TETRAHYDROFURAN | 109999 | 0.00 | 0.03 | 0.03 | 0.03 | 0.00 | | | | 0.00 |
| | | TOLUENE | 108883 | 0.52 | 1.09 | 2.48 | 1.73 | 2.18 | 2.08 | 2.00 | 2.00 | 2.20 |
| | | VINYL ACETATE XYLENES (ISOMERS AND MIXTURE) | 108054 | 0.04 | 0.04 | 0.04 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| | | | 1330207 | 0.09 | 0.15 | 0.49 | 0.29 | 0.34 | 0.35 | 0.32 | 0.34 | |
| STANDARD FORGED PRODUCTS LLC/ TRINITY INDUSTRIES PLANT 441 | 15136 | HEXANE | 110543 | | | 0.00 | 0.00 | 0.19 | 0.37 | 0.49 | 0.47 | |
| | | LEAD | PB | | | | | | | | 0.00 | |
| STATE CORRECTIONAL INSTITUTE - PITTSBURGH | 15233 | BENZENE | 71432 | | | | | | | | 0.00 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.07 | 0.07 | 0.13 | |
| | | HYDROCHLORIC ACID | 7647010 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | HYDROGEN FLUORIDE | 7664393 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | NICKEL | 7440020 | | | | | | | | 0.00 | |
| | | TOLUENE | 108883 | | | | | | 0.00 | 0.00 | 0.00 | |
| ST CLAIR HOSPITAL | 15243 | BENZENE | 71432 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.01 | 0.00 | |
| | | HEXANE | 110543 | | | | | 0.09 | 0.09 | 0.10 | 0.09 | |
| | | TOLUENE | 108883 | | | | | | 0.00 | 0.00 | 0.00 | |
| SUN REFINING AND MARKETING/BLAWNOX | 15238 | 2,2,4-TRIMETHYLPENTANE | 540841 | 0.00 | 0.03 | 0.03 | 0.02 | 0.00 | 0.02 | 0.00 | 0.04 | |
| | | ARSENIC | 7440382 | | | | | | | | 0.00 | |
| | | BENZENE | 71432 | 0.05 | 0.05 | 0.09 | 0.11 | 0.08 | 0.06 | 0.06 | 0.04 | |
| | | CADMIUM | 7440439 | | | | | | | | 0.00 | |
| | | CHROMIUM | 7440473 | | | | | | | | 0.00 | |
| | | ISOPROPYLBENZENE | 98828 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.09 | |
| | | HEXANE | 110543 | 0.03 | 0.04 | 0.05 | 0.05 | 0.03 | 0.05 | 0.05 | 2.31 | |
| | | MANGANESE | 7439965 | | | | | | | | 0.00 | |
| | | MERCURY | 7439976 | | | | | | | | 0.00 | |
| | | METHYL TERT-BUTYL ETHER | 1634044 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | NAPHTHALENE | 91203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | NICKEL | 7440020 | | | | | | | | 0.00 | |
| | | TOLUENE | 108883 | 0.07 | 0.07 | 0.11 | 0.13 | 0.06 | 0.09 | 0.09 | 0.08 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.06 | 0.07 | 0.12 | 0.17 | 0.06 | 0.07 | 0.08 | 0.11 | |
| SUNOCO PARTNERS MARKETING & TERMINALS - PITTSBURGH | 15201 | 2,2,4-TRIMETHYLPENTANE | 540841 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.10 | 0.00 | 0.17 | |
| | | ARSENIC | 7440382 | | | | | | | | 0.00 | |
| | | BENZENE | 71432 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.03 | |
| | | CADMIUM | 7440439 | | | | | | | | 0.00 | |
| | | CHROMIUM | 7440473 | | | | | | | | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.02 | 0.12 | 0.01 | 0.02 | 0.01 | 0.02 | 0.01 | 0.01 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.13 | 0.12 | 0.16 | 0.17 | 0.21 | 0.23 | 0.26 | 0.16 | |
| | | ISOPROPYLBENZENE | 98828 | | | | | | | | 0.00 | |
| | | MANGANESE | 7439965 | | | | | | | | 0.00 | |
| | | MERCURY | 7439976 | | | | | | | | 0.00 | |
| | | METHYL TERT-BUTYL ETHER | 1634044 | 0.04 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | |
| | | NAPHTHALENE | 91203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | |
| | | NICKEL | 7440020 | | | | | | | | 0.00 | |
| | | TOLUENE | 108883 | 0.12 | 0.29 | 0.10 | 0.10 | 0.13 | 0.13 | 0.13 | 0.12 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.14 | 0.77 | 0.09 | 0.11 | 0.09 | 0.08 | 0.07 | 0.06 | |
| TECH MET INC/GLASSPORT | 15045 | FORMALDEHYDE | 50000 | | | | | | | | 0.00 | |
| | | HEXANE | 110543 | | | | | | | | 0.01 | |
| | | HYDROCHLORIC ACID | 7647010 | | | | | | | | 0.00 | |
| | | HYDROGEN FLUORIDE | 7664393 | | | | | | | | 0.01 | |
| | | TETRACHLOROETHYLENE | 127184 | | | | | | | | 3.00 | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|-------------------------------------|---------|-------------------------------------|----------|-------------|-------|------|------|------|------|------|------|------|
| THE LANE ASPHALT PLANT/MCKEES ROCKS | 15136 | ACETALDEHYDE | 75070 | 0.04 | 0.05 | 0.03 | 0.03 | | 0.00 | 0.00 | 0.00 | |
| | | ARSENIC | 7440382 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | BENZO(B)FLUORANTHENE | 205992 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | BENZENE | 71432 | 0.03 | 0.05 | 0.03 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | BIPHENYL | 92524 | | | | | 0.02 | 0.02 | 0.00 | 0.00 | |
| | | CADMIUM | 7440439 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | CHROMIUM | 7440473 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.25 | 0.36 | 0.21 | 0.19 | 0.21 | 0.17 | 0.13 | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.08 | 0.12 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | |
| | | HYDROCHLORIC ACID | 7647010 | 0.00 | 1.66 | 1.10 | 0.97 | 0.00 | 1.01 | 0.29 | 0.00 | |
| | | LEAD | PB | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | MANGANESE | 7439965 | | | | | 0.00 | | | 0.00 | |
| | | MANGANESE COMPOUNDS | MNC | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | MERCURY | 7439976 | | | | | | | 0.00 | 0.00 | 0.00 |
| | | THE LANE ASPHALT PLANT/MCKEES ROCKS | 15136 | NAPHTHALENE | 91203 | | | | | 0.11 | 0.11 | 0.03 |
| NICKEL | 7440020 | | | | | | | | 0.02 | 0.00 | 0.00 | |
| NICKEL COMPOUNDS | NIC | | | 0.03 | 0.00 | 0.00 | 0.00 | 0.02 | | | 0.00 | |
| QUINONE | 106514 | | | 0.03 | 0.04 | 0.03 | 0.02 | 0.00 | | | 0.00 | |
| SELENIUM | 7782492 | | | | | | | | 0.00 | 0.00 | 0.00 | |
| SELENIUM COMPOUNDS | SEC | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| TOLUENE | 108883 | | | 0.11 | 0.16 | 0.10 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | 0.30 | 0.44 | 0.26 | 0.24 | 0.26 | 0.21 | 0.16 | 0.13 | |
| | | | | | | | | 0.65 | | | 0.00 | |
| | | | | | | | | | | | 0.00 | |
| | | | | | | | | | | | 0.00 | |
| THE LANE CONSTRUCTION / BRIDGEVILLE | 15017 | ACETALDEHYDE | 75070 | 0.03 | 0.03 | 0.02 | 0.02 | 0.00 | 0.00 | 0.05 | 0.00 | |
| | | ARSENIC | 7440382 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | BENZENE | 71432 | 0.02 | 0.02 | 0.02 | 0.01 | 0.00 | 0.00 | 0.06 | 0.13 | |
| | | BIPHENYL | 92524 | | | | | 0.01 | 0.01 | 0.00 | 0.00 | |
| | | CADMIUM | 7440439 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | CHROMIUM | 7440473 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | | | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.29 | 0.20 | 0.15 | 0.11 | 0.10 | 0.14 | 0.08 | 0.03 | |
| | | FORMALDEHYDE | 50000 | 0.06 | 0.07 | 0.05 | 0.04 | 0.00 | 0.00 | 0.15 | 0.34 | |
| | | HEXANE | 110543 | 0.00 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 | 0.04 | 0.00 | |
| | | HYDROCHLORIC ACID | 7647010 | 0.00 | 1.04 | 0.97 | 0.71 | 0.00 | 0.74 | 0.00 | 0.00 | |
| | | MANGANESE | 7439965 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | MERCURY | 7439976 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | NAPHTHALENE | 91203 | | | 0.00 | 0.00 | 0.07 | 0.08 | 0.03 | 0.00 | |
| NICKEL | 7440020 | | | | | | 0.01 | 0.00 | 0.00 | | | |
| NICKEL COMPOUNDS | NIC | 0.03 | 0.00 | 0.00 | 0.00 | 0.01 | | | 0.00 | | | |
| QUINONE | 106514 | 0.02 | 0.02 | 0.02 | 0.01 | 0.00 | | | 0.00 | | | |
| SELENIUM | 7782492 | | | | | | 0.00 | 0.00 | 0.00 | | | |
| TOLUENE | 108883 | 0.09 | 0.09 | 0.07 | 0.05 | 0.00 | 0.00 | 0.04 | 0.02 | | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.23 | 0.24 | 0.19 | 0.13 | 0.12 | 0.17 | 0.10 | 0.04 | | | |
| THE LANE CONSTRUCTION SPRINGDALE | 15144 | ACETALDEHYDE | 75070 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | BENZENE | 71432 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.04 | 0.03 | 0.02 | 0.02 | 0.02 | |
| | | TOLUENE | 108883 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ETHYL ACRYLATE | 140885 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | ISOPROPYLBENZENE | 98828 | 0.04 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| ETHYL BENZENE | 100414 | 0.53 | 0.52 | 0.03 | 0.02 | 0.03 | 0.02 | 0.04 | 0.04 | | | |
| FORMALDEHYDE | 50000 | 0.04 | 0.23 | 0.01 | 0.00 | 0.01 | 0.04 | 0.01 | 0.01 | | | |
| GLYCOL ETHERS | GLYET | 0.03 | 0.13 | 0.01 | 0.05 | 0.03 | 0.04 | 0.10 | 0.10 | | | |
| HEXANE | 110543 | 0.03 | 0.04 | 0.04 | 0.02 | 0.06 | 0.05 | 0.05 | 0.06 | | | |
| ISOPHORONE | 78591 | 0.05 | 0.10 | 0.02 | 0.11 | 0.12 | 0.11 | 0.17 | 0.17 | | | |
| METHANOL | 67561 | | | | | | 0.00 | 0.00 | 0.00 | | | |
| METHYL ISOBUTYL KETONE | 108101 | 3.00 | 2.93 | 0.60 | 0.25 | 0.01 | 0.05 | 0.02 | 0.02 | | | |
| NAPHTHALENE | 91203 | 0.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| TOLUENE | 108883 | 0.59 | 0.66 | 0.13 | 0.17 | 0.20 | 0.25 | 0.21 | 0.22 | | | |
| VINYL ACETATE | 108054 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 2.35 | 2.25 | 0.14 | 0.09 | 0.10 | 0.18 | 0.13 | 0.13 | | | |
| TUBE CITY IMS WEST MIFFLIN | 15236 | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | |
| TYK AMERICA | 15025 | CHROMIUM | 7440473 | | | | | | | | 0.27 | |
| | | ETHYLENE GLYCOL | 107211 | | | | | | 6.70 | 0.00 | 0.85 | |
| | | FORMALDEHYDE | 50000 | | | | | | | | 0.00 | |
| | | HEXANE | 110543 | | | | | | 0.01 | 0.00 | 0.01 | |
| | | HEXAVALENT CHROMIUM | 18540299 | | | | | | 0.00 | 0.00 | 0.01 | |
| | | MANGANESE | 7439965 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | NICKEL | 7440020 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | PHENOL | 108952 | | | | | | 0.19 | 0.00 | 0.07 | |
| | | HEXANE | 110543 | 0.10 | 0.11 | 0.11 | 0.09 | 0.11 | 0.10 | 0.10 | 0.10 | |
| FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| UNION ELECTRIC STEEL CORPORATION | 15106 | CHROMIUM | 7440473 | | | | | | 0.46 | 0.24 | 0.14 | |
| | | CHROMIUM COMPOUNDS | CRC | 0.35 | 0.46 | 0.43 | 0.20 | 0.43 | | | 0.00 | |
| | | HEXANE | 110543 | | | | | | 0.00 | 0.54 | 0.55 | |
| | | LEAD | PB | 0.00 | 0.02 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 | 0.01 | |
| | | MANGANESE | 7439965 | | | | | | 0.00 | 0.44 | 0.26 | |
| | | NICKEL | 7440020 | | | | | | 0.20 | 0.16 | 0.09 | |
| | | NICKEL COMPOUNDS | NIC | 0.15 | 0.20 | 0.19 | 0.09 | 0.19 | | | 0.00 | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|--|----------|--|---------|---------------------|--------|------|------|------|------|------|------|------|
| UNIVERSITY OF PITTSBURGH (MAIN CAMPUS) | 15213 | BENZENE | 71432 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ISOPROPYLBENZENE | 98828 | 0.04 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | ETHYL BENZENE | 100414 | | | | | | | | | 0.00 |
| | | FORMALDEHYDE | 50000 | | | | | | | | | 0.00 |
| | | HEXANE | 110543 | 0.08 | 0.08 | 0.00 | 0.00 | 0.13 | 0.06 | 0.09 | 0.11 | 0.11 |
| | | METHANOL | 67561 | 0.05 | 0.03 | 0.00 | 0.00 | 0.03 | 0.03 | 0.07 | 0.06 | 0.06 |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | NAPHTHALENE | 91203 | | | | | | 0.00 | 0.03 | 0.01 | 0.01 |
| | | O-XYLENE | 95476 | | | | | | | | | 0.00 |
| | | P-XYLENES | 106423 | | | | | | | | | 0.00 |
| | | TOLUENE | 108883 | 0.07 | 0.06 | 0.00 | 0.00 | 0.07 | 0.06 | 0.13 | 0.13 | 0.11 |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.05 | 0.01 | 0.00 | 0.00 | 0.02 | 0.01 | 0.02 | 0.02 | 0.02 |
| | | UNIVERSITY OF PITTSBURGH APPLIED RESEARCH CENTER | 15238 | 2-METHYLNAPHTHALENE | 91576 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| CHROMIUM | 7440473 | | | | | | | | | | 0.00 | |
| FORMALDEHYDE | 50000 | | | 0.00 | 0.00 | 0.01 | 0.01 | 0.03 | 0.01 | 0.01 | 0.01 | |
| HEXANE | 110543 | | | 0.15 | 0.16 | 0.16 | 0.17 | 0.16 | 0.16 | 0.17 | 0.17 | |
| NICKEL | 7440020 | | | | | | | | 0.00 | 0.00 | 0.00 | |
| UPMC - MAGEE | 15213 | BENZENE | 71432 | | | | | | | 0.00 | 0.00 | |
| | | ETHYLENE GLYCOL | 107211 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | ETHYLENE OXIDE | 75218 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.01 | 0.00 | 0.01 | |
| | | HEXANE | 110543 | 0.00 | 0.11 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.15 | |
| | | METHANOL | 67561 | 0.10 | 0.33 | 0.30 | 1.00 | 0.10 | 0.00 | 0.00 | 0.00 | |
| | | NICKEL | 7440020 | | | | | | | | 0.00 | |
| | | TOLUENE | 108883 | | | | | | | 0.00 | 0.00 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.33 | 0.10 | 0.10 | 0.50 | 0.05 | 0.00 | 0.00 | 0.00 | |
| | | BENZENE | 71432 | | | | | | 0.00 | 0.00 | 0.00 | |
| UPMC - MCKEESPORT | 15132 | Cr(=O)3 | | | | | | | | | 0.00 | |
| | | ETHYLENE GLYCOL | 107211 | | | | | | 0.00 | 0.01 | 0.00 | |
| | | ETHYLENE OXIDE | 75218 | 0.07 | 0.07 | 0.09 | 0.05 | 0.01 | 0.01 | 0.01 | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.14 | 0.10 | 0.08 | 0.12 | 0.12 | 0.11 | 0.09 | 0.22 | |
| | | HEXANE | 110543 | 0.00 | 0.08 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | |
| | | HYDROCHLORIC ACID | 7647010 | | | | | | | | 0.00 | |
| | | METHANOL | 67561 | | | | | | 0.01 | 0.00 | 0.01 | |
| | | TOLUENE | 108883 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | ETHYLENE OXIDE | 75218 | 0.45 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | |
| | | FORMALDEHYDE | 50000 | | | | | | | 0.00 | 0.00 | |
| | | UPMC - OAKLAND | 15213 | HEXANE | 110543 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HYDROCHLORIC ACID | 7647010 | | | 8.42 | 0.11 | 0.65 | 0.11 | 0.69 | 0.73 | 0.82 | 0.66 | |
| HYDROGEN BROMIDE | 10035106 | | | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| HYDROGEN FLUORIDE | 7664393 | | | 0.04 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| LEAD | PB | | | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| MERCURY | 7439976 | | | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| MERCURY COMPOUNDS | HGC | | | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| ACETALDEHYDE | 75070 | | | | | | | | 0.00 | 0.00 | 0.00 | |
| BENZENE | 71432 | | | | | | | | 0.00 | 0.00 | 0.00 | |
| FORMALDEHYDE | 50000 | | | | | | | | 0.00 | 0.00 | 0.00 | |
| HEXANE | 110543 | | | | | | | 0.16 | 0.13 | 0.15 | 0.12 | |
| UPMC - SHADYSIDE | 15232 | NICKEL | 7440020 | | | | | | | | 0.00 | |
| | | TOLUENE | 108883 | | | | | | | | 0.00 | |
| | | ANTIMONY COMPOUNDS | SBC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | BENZENE | 71432 | | | | | | 0.01 | 0.00 | 0.00 | |
| | | CADMIUM | 7440439 | | | | | | | | 0.00 | |
| | | CHROMIUM | 7440473 | | | | | | | | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.75 | 0.75 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | HEXANE | 110543 | 0.00 | 0.23 | 0.21 | 0.21 | 0.22 | 0.21 | 0.21 | 0.23 | |
| | | METHANOL | 67561 | | | | | | | | 0.00 | |
| | | NICKEL | 7440020 | | | | | | | | 0.00 | |
| | | POLYCYCLIC ORGANIC MATTER | POM | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| TOLUENE | 108883 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 1.00 | 1.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| UPMC - SOUTHSIDE | 15203 | BENZENE | 71432 | | | | | | | | 0.00 | |
| | | CHROMIUM | 7440473 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.02 | 0.03 | 0.03 | 0.01 | 0.03 | 0.01 | 0.03 | |
| | | LEAD | PB | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | MERCURY | 7439976 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | POLYCYCLIC ORGANIC MATTER | POM | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| UPMC - ST MARGARET | 15215 | BENZENE | 71432 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | | | | | 0.07 | 0.08 | 0.06 | 0.07 | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|------------------------------------|---------|-------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| US AIRWAYS MAINTENANCE BASE | 15231 | 1,2-EPOXYBUTANE | 106887 | 0.44 | 0.22 | 0.00 | 0.14 | 0.00 | 0.20 | 0.05 | 0.15 | |
| | | 2-BUTOXY ETHANOL | 111762 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | | | 0.00 | |
| | | DIBUTYLPHTHALATE | 84742 | | | | | | | | | 0.00 |
| | | DIMETHYL PHTHALATE | 131113 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.01 |
| | | ETHYL BENZENE | 100414 | 0.00 | 0.00 | 0.01 | 0.02 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 |
| | | FORMALDEHYDE | 50000 | | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| | | ETHYLENE GLYCOL | 107211 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | HEXANE | 110543 | 0.00 | 0.06 | 0.00 | 0.06 | 0.00 | 0.02 | 0.04 | 0.04 | 0.04 |
| | | METHANOL | 67561 | 0.36 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | METHYL CHLORIDE | | | | | | | | | | |
| | | CHLOROMETHANE | 74873 | | | | | | | | | 0.00 |
| | | METHYL CHLOROFORM | 71556 | 0.00 | 0.00 | 0.05 | 0.01 | 0.07 | 0.08 | 0.03 | 0.05 | |
| | | METHYL ETHYL KETONE | 78933 | 0.19 | 0.33 | 0.00 | 0.00 | 0.00 | | | | 0.00 |
| | | METHYL ISOBUTYL KETONE | 108101 | 0.00 | 0.15 | 0.08 | 0.11 | 0.17 | 0.04 | 0.02 | 0.02 | 0.02 |
| | | METHYLENE CHLORIDE | 75092 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.04 | 0.04 | 0.04 | 0.00 |
| | | PMDI | 101688 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | | | | 0.00 |
| | | PHENOL | 108952 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | STYRENE | 100425 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| | | TOLUENE | 108883 | 0.11 | 0.12 | 0.17 | 0.21 | 0.18 | 0.14 | 0.12 | 0.05 | 0.05 |
| | | TRICHLOROETHYLENE | 79016 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.00 | 0.17 | 0.11 | 0.11 | 0.12 | 0.08 | 0.07 | 0.04 | 0.00 | | |
| US STEEL CORPORATION - IRVIN PLANT | 15034 | BENZENE | 71432 | 0.00 | 0.00 | 0.00 | 0.08 | 0.36 | 0.22 | 0.35 | 0.64 | |
| | | CADMIUM | 7440439 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | CARBON DISULFIDE | 75150 | 0.18 | 0.19 | 0.17 | 0.11 | 0.17 | 0.16 | 0.18 | 0.21 | |
| | | CHLORINE | 7782505 | 0.36 | 0.37 | 0.33 | 0.21 | 0.33 | 0.32 | 0.35 | 0.42 | |
| | | CHROMIUM | 7440473 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | ETHYL BENZENE | 100414 | | | | | | 0.10 | 0.09 | 0.05 | |
| | | ETHYLENE GLYCOL | 107211 | 0.47 | 0.07 | 0.34 | 0.15 | 0.19 | 0.38 | 0.37 | 0.18 | |
| | | FORMALDEHYDE | 50000 | | | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | |
| | | GLYCOL ETHERS | GLYET | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.66 | 0.65 | 0.32 | |
| | | HEXANE | 110543 | 1.63 | 1.44 | 1.33 | 2.48 | 1.74 | 2.07 | 1.59 | 1.10 | |
| | | HYDROCHLORIC ACID | 7647010 | 29.67 | 26.45 | 23.12 | 15.08 | 23.75 | 23.02 | 24.81 | 29.69 | |
| | | LEAD | PB | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | METHANOL | 67561 | 1.55 | 0.24 | 1.11 | 0.50 | 0.65 | 0.00 | 0.00 | 0.00 | |
| | | NICKEL | 7440020 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | TOLUENE | 108883 | 0.35 | 0.06 | 0.25 | 0.22 | 0.27 | 0.50 | 0.10 | 0.08 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 1.02 | 0.16 | 0.72 | 0.33 | 0.43 | 0.15 | 0.10 | 0.05 | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | | |
|-------------------------------|---------|--------------------------------------|----------|--------------------|---------|--------|-------|--------|--------|--------|--------|--------|------|
| USS - CLAIRTON WORKS | 15025 | 1,1,2,2-TETRACHLOROETHANE | 79345 | 0.26 | 0.25 | 0.23 | 0.13 | 0.19 | 0.19 | 0.19 | 0.18 | | |
| | | 1,4-DIOXANE | 123911 | 0.53 | 0.50 | 0.46 | 0.27 | 0.39 | 0.38 | 0.38 | 0.37 | | |
| | | ACENAPHTHYLENE | 208968 | 0.46 | 0.47 | 0.46 | 0.30 | 0.34 | | | | 0.00 | |
| | | ACETONITRILE | 75058 | 0.29 | 0.29 | 0.26 | 0.16 | 0.23 | 0.22 | 0.22 | 0.22 | 0.21 | |
| | | ACROLEIN | 107028 | 0.34 | 0.32 | 0.30 | 0.17 | 0.24 | 0.24 | 0.24 | 0.25 | 0.24 | |
| | | ANTHRACENE | 120127 | 0.23 | 0.22 | 0.19 | 0.11 | 0.15 | 0.15 | 0.15 | 0.16 | 0.19 | |
| | | ANTIMONY | 7440360 | 0.37 | 0.29 | 0.27 | 0.15 | 0.00 | | | | 0.00 | |
| | | ARSENIC | 7440382 | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | BENZ(A)ANTHRACENE | 56553 | 0.16 | 0.16 | 0.18 | 0.11 | 0.14 | 0.15 | 0.15 | 0.16 | 0.36 | |
| | | BENZO(B)FLUORANTHENE | 205992 | 0.10 | 0.10 | 0.10 | 0.06 | 0.07 | 0.08 | 0.08 | 0.08 | 0.23 | |
| | | BENZENE | 71432 | 26.85 | 71.73 | 42.72 | 33.62 | 17.16 | 17.93 | 15.61 | 15.61 | 27.12 | |
| | | BENZO(A)PYRENE | 50328 | 0.12 | 0.12 | 0.12 | 0.07 | 0.09 | 0.10 | 0.10 | 0.10 | 0.29 | |
| | | BENZO(g,h,i)PERYLENE | 191242 | | | | 0.00 | 0.00 | 0.21 | 0.23 | 0.24 | 0.29 | |
| | | BENZO(K)FLUORANTHENE | 207089 | 0.08 | 0.08 | 0.08 | 0.05 | 0.06 | 0.07 | 0.07 | 0.07 | 0.20 | |
| | | BIPHENYL | 92524 | 0.04 | 0.04 | 0.17 | 0.11 | 0.15 | 0.15 | 0.15 | 0.15 | 0.25 | |
| | | C15-H10 | C15-H10 | | | | | | | | | | 0.38 |
| | | C15-H12 | C15-H12 | | | | | | | | 0.00 | 0.12 | 0.34 |
| | | CADMIUM | 7440439 | | | | | | | | 0.00 | 0.00 | 0.00 |
| | | CARBON DISULFIDE | 75150 | 18.31 | 16.83 | 0.46 | 0.29 | 0.47 | 0.45 | 13.76 | 17.81 | 17.81 | |
| | | CARBON OXYDISULFIDE | 463581 | | | | | | | 0.00 | 51.16 | 53.51 | |
| | | CHLORINE | 7782505 | 1.44 | 1.43 | 1.30 | 0.88 | 1.18 | 1.20 | 1.20 | 1.20 | 1.40 | |
| | | CHROMIUM | 7440473 | 4.46 | 2.91 | 2.66 | 1.54 | 2.25 | 2.25 | 2.29 | 2.29 | 2.27 | |
| | | CHRYSENE | 218019 | 0.19 | 0.19 | 0.23 | 0.13 | 0.20 | 0.19 | 0.20 | 0.20 | 0.35 | |
| | | Co | 7440484 | 0.21 | 0.15 | 0.14 | 0.08 | 0.11 | 0.11 | 0.11 | 0.12 | 0.12 | |
| | | COKE OVEN EMISSIONS | CE | | | | | | 103.27 | 86.93 | 78.57 | 91.53 | |
| | | CRESOLS/CRESYLIC ACID | 1319773 | 1.85 | 1.76 | 1.61 | 0.94 | 1.37 | 1.37 | 1.41 | 1.41 | 1.66 | |
| | | CYANIDE COMPOUNDS | CNC | 37.13 | 35.53 | 32.41 | 18.86 | 38.27 | 18.03 | 18.34 | 19.20 | 19.20 | |
| | | DIBENZO(A,H)ANTHRACENE | 53703 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | |
| | | DIBENZOFURANS | 132649 | 0.37 | 0.39 | 0.48 | 0.29 | 0.00 | | | | 0.00 | |
| | | ETHYL BENZENE | 100414 | 0.03 | 0.03 | 0.02 | 0.01 | 0.01 | 0.09 | 0.07 | 0.07 | 0.06 | |
| | | ETHYLENE GLYCOL | 107211 | 0.15 | 0.43 | 0.29 | 0.04 | 0.11 | 0.29 | 0.22 | 0.22 | 0.17 | |
| | | FLUORANTHENE | 206440 | 0.56 | 0.58 | 0.67 | 0.42 | 0.54 | 0.56 | 0.58 | 0.58 | 1.28 | |
| | | FLUORENE | 86737 | 0.23 | 0.24 | 0.24 | 0.15 | 0.18 | | | | 0.00 | |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.00 | 0.05 | 0.03 | 0.03 | 0.03 | 0.00 | 0.00 | |
| | | GLYCOL ETHERS | GLYET | 0.00 | 0.00 | 0.00 | 4.91 | 14.42 | 40.89 | 24.19 | 15.85 | 15.85 | |
| | | HEXANE | 110543 | 0.57 | 0.86 | 0.69 | 2.73 | 0.91 | 0.89 | 0.75 | 0.27 | 0.27 | |
| | | HYDROCHLORIC ACID | 7647010 | 105.70 | 103.86 | 94.79 | 61.64 | 89.92 | 94.93 | 94.74 | 107.07 | 107.07 | |
| | | HYDROGEN SULFIDE | 7783064 | 145.47 | 138.43 | 126.72 | 79.72 | 118.94 | 113.45 | 115.49 | 131.59 | 131.59 | |
| | | INDENO-1,2,3-CD-PYRENE | 193395 | 0.05 | 0.05 | 0.05 | 0.03 | 0.04 | 0.04 | 0.04 | 0.04 | 0.00 | |
| | | LEAD | PB | 0.06 | 0.06 | 0.04 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | |
| | | MANGANESE | 7439965 | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | MERCURY | 7439976 | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | METHANOL | 67561 | 62.10 | 56.43 | 21.16 | 42.16 | 44.34 | 31.43 | 8.17 | 7.50 | 7.50 | |
| | | METHYL CHLORIDE | | | | | | | | | | | |
| | | CHLOROMETHANE | 74873 | 2.62 | 21.59 | 13.54 | 10.98 | 4.05 | 4.13 | 3.19 | 3.49 | 3.49 | |
| | | METHYL METHACRYLATE | 80626 | 0.60 | 0.58 | 0.52 | 0.30 | 0.43 | 0.43 | 0.44 | 0.44 | 0.42 | |
| | | METHYLPHENANTHRENES | 31711532 | 0.14 | 0.14 | 0.14 | 0.09 | 0.17 | | | | 0.00 | |
| | | NAPHTHALENE | 91203 | 4.28 | 4.42 | 4.72 | 2.96 | 3.82 | 3.83 | 3.96 | 8.88 | 8.88 | |
| | | NICKEL | 7440020 | 0.47 | 0.37 | 0.34 | 0.19 | 0.28 | 0.28 | 0.29 | 0.29 | 0.28 | |
| | | PAH | PAH | 0.00 | 0.00 | 0.00 | 0.52 | 0.64 | 0.64 | 0.66 | 1.57 | 1.57 | |
| | | PHENANTHRENE | 85018 | 1.23 | 1.28 | 1.80 | 1.10 | 1.44 | | | | 0.00 | |
| | | PHENANTHRENE, CYCLOPENTA-, (C15-H10) | 203645 | 0.24 | 0.22 | 0.22 | 0.13 | 0.17 | 0.18 | 0.19 | 0.00 | 0.00 | |
| | | PHENOL | 108952 | 22.18 | 21.16 | 12.55 | 7.30 | 27.38 | 16.17 | 16.55 | 20.33 | 20.33 | |
| | | POLYCYCLIC ORGANIC MATTER | POM | 0.00 | 0.00 | 0.47 | 0.17 | 0.26 | 0.25 | 0.25 | 0.29 | 0.29 | |
| | | PYRENE | 129000 | 0.58 | 0.57 | 0.64 | 0.40 | 0.50 | | | | 0.00 | |
| | | QUINOLINE | 91225 | 0.12 | 0.12 | 0.07 | 0.04 | 0.06 | 0.06 | 0.06 | 0.06 | 0.08 | |
| | | STYRENE | 100425 | 0.32 | 0.32 | 0.16 | 0.09 | 0.13 | 0.12 | 0.12 | 0.15 | 0.15 | |
| | | TOLUENE | 108883 | 5.37 | 25.15 | 15.43 | 12.42 | 5.16 | 5.20 | 4.27 | 5.25 | 5.25 | |
| | | VINYL ACETATE | 108054 | 0.53 | 0.50 | 0.46 | 0.27 | 0.39 | 0.38 | 0.38 | 0.37 | 0.37 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.77 | 1.28 | 0.87 | 0.22 | 0.40 | 0.25 | 0.23 | 0.30 | 0.30 | |
| | | USS - EDGAR THOMSON WORKS | 15104 | BENZENE | 71432 | 0.00 | 0.00 | 0.00 | 0.06 | 0.06 | 0.06 | 0.06 | 0.08 |
| | | | | CARBON DISULFIDE | 75150 | 0.12 | 0.09 | 0.11 | 0.09 | 0.09 | 0.09 | 0.08 | 0.11 |
| | | | | CHLORINE | 7782505 | 0.23 | 0.18 | 0.21 | 0.17 | 0.18 | 0.18 | 0.16 | 0.22 |
| | | | | CHROMIUM | 7440473 | 0.00 | 0.02 | 0.00 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 |
| | | | | CHROMIUM COMPOUNDS | CRC | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 |
| ETHYL BENZENE | | | | | | | | | 0.06 | 0.03 | 0.03 | | |
| ETHYLENE GLYCOL | 107211 | | | 0.16 | 0.50 | 0.21 | 0.05 | 0.12 | 0.22 | 0.10 | 0.10 | | |
| FORMALDEHYDE | 50000 | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | | |
| GLYCOL ETHERS | | | | | | | | | 0.39 | 0.18 | 0.18 | | |
| HEXANE | 110543 | | | 1.14 | 1.01 | 0.98 | 1.86 | 1.31 | 1.20 | 0.41 | 0.50 | | |
| HYDROCHLORIC ACID | 7647010 | | | 16.08 | 12.65 | 14.92 | 12.07 | 11.83 | 12.33 | 11.01 | 15.20 | | |
| LEAD | PB | | | 0.19 | 0.41 | 0.35 | 0.03 | 0.03 | 0.28 | 0.23 | 0.20 | | |
| MANGANESE | 7439965 | | | 0.00 | 1.20 | 0.82 | 1.50 | 0.69 | 0.63 | 1.13 | 1.06 | | |
| MANGANESE COMPOUNDS | MNC | | | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | | | 0.00 | | |
| METHANOL | 67561 | | | 0.54 | 1.70 | 18.15 | 13.97 | 18.85 | 15.94 | 11.90 | 16.22 | | |
| NAPHTHALENE | | | | | | | | | 0.00 | 0.00 | 0.00 | | |
| NICKEL | 7440020 | | | 0.00 | 0.01 | 0.08 | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 | | |
| PHENOL | 108952 | | | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 2.21 | 1.83 | | |
| PHOSPHORUS | 7723140 | | | 0.60 | 0.58 | 0.42 | 0.31 | 0.30 | 0.35 | 0.41 | 0.01 | | |
| TOLUENE | 108883 | | | 0.12 | 0.38 | 0.16 | 0.04 | 0.09 | 0.02 | 0.04 | 0.00 | | |
| XYLENES (ISOMERS AND MIXTURE) | 1330207 | | | 0.36 | 1.11 | 0.46 | 0.11 | 0.26 | 0.06 | 0.03 | 0.03 | | |

2013 ANNUAL EMISSIONS INVENTORY REPORT

ATTACHMENT C:

Estimated Point Source Emissions of
Hazardous Air Pollutants & Hydrogen Sulfide

| COMPANY NAME | ZIP | HAZARDOUS AIR POLLUTANT | CAS# | 2002 | 2005 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | |
|--|-------|-------------------------------|---------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|------|
| US STEEL TOWER | 15219 | CHROMIUM | 7440473 | | | | | | | | 0.00 | |
| | | FORMALDEHYDE | 50000 | | | | | | | 0.01 | 0.01 | 0.00 |
| | | HEXANE | 110543 | 0.00 | 0.11 | 0.11 | 0.12 | 0.14 | 0.14 | 0.14 | 0.14 | 0.12 |
| | | NICKEL | 7440020 | | | | | | | | | 0.00 |
| VA MEDICAL CENTER - ASPINWALL | 15240 | TOLUENE | 108883 | | | | | | | | 0.00 | |
| | | FORMALDEHYDE | | | | | | | | 0.00 | 0.00 | 0.00 |
| VA MEDICAL CENTER - HIGHLAND DR | 15206 | HEXANE | 110543 | 0.00 | 0.03 | 0.04 | 0.11 | 0.14 | 0.06 | 0.08 | 0.06 | |
| | | BENZENE | | | | | | | 0.00 | 0.00 | 0.00 | |
| VA MEDICAL CENTER - OAKLAND | 15240 | FORMALDEHYDE | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.12 | 0.09 | 0.10 | 0.05 | 0.09 | 0.10 | 0.09 | |
| | | METHANOL | 67561 | 0.01 | 0.04 | 0.10 | 0.07 | 0.00 | 0.21 | 0.00 | 0.00 | |
| | | NICKEL | 7440020 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | TOLUENE | 108883 | | | | | | 0.00 | 0.00 | 0.00 | |
| | | XYLENES (ISOMERS AND MIXTURE) | | | | | | | | 0.48 | 0.00 | 0.00 |
| | | BENZENE | | | | | | | | 0.00 | 0.00 | 0.00 |
| WALL COMPRESSOR STATION | 15037 | ETHYLENE OXIDE | 75218 | 0.40 | 0.20 | 0.08 | 0.08 | 0.08 | 0.15 | 0.12 | 0.18 | |
| | | FORMALDEHYDE | 50000 | 1.10 | 1.50 | 1.70 | 1.54 | 1.63 | 0.65 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.00 | 0.08 | 0.10 | 0.09 | 0.10 | 0.10 | 0.12 | 0.12 | |
| | | HYDROCHLORIC ACID | 7647010 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | METHANOL | 67561 | 0.18 | 0.10 | 0.55 | 0.48 | 1.90 | 0.10 | 0.23 | 0.18 | |
| | | TOLUENE | | | | | | | 0.00 | 0.00 | 0.00 | |
| | | XYLENES (ISOMERS AND MIXTURE) | 1330207 | 0.06 | 0.07 | 0.26 | 0.47 | 0.44 | 0.21 | 0.00 | 0.02 | |
| | | FORMALDEHYDE | 50000 | 0.00 | 0.00 | 0.00 | 0.04 | 0.09 | 0.17 | 0.14 | 0.10 | |
| | | HEXANE | 110543 | 0.00 | 0.00 | 0.00 | 0.44 | 0.68 | 0.70 | 1.01 | 0.22 | |
| | | NAPHTHALENE | 91203 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| WESTERN PENNSYLVANIA HOSPITAL | 15224 | BENZENE | 71432 | | | | | 0.13 | 0.00 | 0.11 | 0.00 | |
| | | FORMALDEHYDE | 50000 | | | | | 0.13 | 0.00 | 0.11 | 0.00 | |
| | | CADMIUM | 7440439 | | | | | 0.13 | 0.00 | 0.11 | 0.00 | |
| | | CHROMIUM | 7440473 | | | | | 0.13 | 0.00 | 0.11 | 0.00 | |
| | | HEXANE | 110543 | | | | | 0.13 | 0.00 | 0.11 | 0.12 | |
| | | NICKEL | 7440020 | | | | | 0.13 | 0.00 | 0.11 | 0.00 | |
| WHEMCO-STEEL CASTINGS, INC. (WEST HOMESTEAD) | 15120 | TOLUENE | 108883 | | | | | | 0.13 | 0.00 | 0.11 | |
| | | FORMALDEHYDE | 50000 | | | | | | 0.01 | 0.00 | 0.00 | |
| | | HEXANE | 110543 | 0.05 | 0.05 | 0.05 | 0.04 | 0.05 | 0.13 | 0.10 | 0.11 | |
| GRAND TOTAL OF HAZARDOUS AIR POLLUTANTS (including Hydrogen Sulfide): | | | | 3017.04 | 2820.73 | 2020.61 | 2021.36 | 1579.06 | 1018.93 | 793.72 | 850.54 | |

Attachment D
Total Point Source Emissions of
Ammonia

Allegheny County Health Department
Air Quality Program

2013 ANNUAL EMISSIONS INVENTORY REPORT
ATTACHMENT D:
Total Point Source Emissions of
AMMONIA

| CAS # | 1999 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|-------------------|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 7664417 (AMMONIA) | 397.75 | 1562.00 | 1260.00 | 1531.00 | 1327.79 | 1221.41 | 1205.11 | 1500.59 | 958.63 | 985.26 | 520.58 | 311.55 | 376.44 | 351.08 |