

Appendix A. Proportion of data sources by EIS sector for select pollutants

This Appendix shows the percentage of emissions from different data sources in 2008 NEI by pollutant and EIS sector. The data sources are grouped from the full suite of datasets used to compile the 2008 NEI. The groupings used to display the data are shown in Table A-1 below. See also Tables 8 and 9 in the main document for a list of the datasets also listed here in the groups used in the table below. Table A-2 provides the actual percentages by EIS sector, pollutant or pollutant group, and dataset group. The table is colored in hotter colors for higher percentages. True zeros are shown as white, while near-zeros are shown as blue with a zero value. Finally, Table A-3 provides a list of the pollutants included in the HAP groups used in Table A-2 as well as Figure 4 in the main document.

Table A-1: 2008 NEI input datasets and groups used for Table A-2

Dataset name	Group for Table A-2
2008 V3 Responsible Agency Selection	S/L/T
EPA NV Gold Mines	S/L/T
EPA TRI Augmentation v2	TRI
2008_EPA_MOBILE	EPA NP & Mob
EIAG all in NP	EPA NP & Mob
EPA CMV	EPA NP & Mob
EPA Correction Dataset - Nonroad	EPA NP & Mob
EPA Nonroad using NCD20100602	EPA NP & Mob
EPA Nonroad using NCD20101201	EPA NP & Mob
EPA Rail	EPA NP & Mob
EPAAirports1109	EPA NP & Mob
Rail_EPACorrections	EPA NP & Mob
2008 EPA Ag Fires	EPA other
2008 EPA Rule Data from OAQPS/SPPD	EPA other
2008 Event Summary (SMARTFIRE and State Data)	EPA other
2008EPA_biogenics	EPA other
2008EPA_MATS	EPA other
2008EPA_MMS	EPA other
EPA 2005NATA values pulled forward to gapfill	EPA other
EPA Chromium Split v2	EPA other
EPA coke oven	EPA other
EPA EGU v1.5	EPA other
EPA HAP Augmentation v2	EPA other
EPA other data developed for using ahead of SLTor gapfilling	EPA other
EPA Overwrite Nonpoint v1.5	EPA other
EPA Overwrite Point v1.5	EPA other
EPA PM Augmentation NP	EPA other
EPA PM Augmentation V2	EPA other
EPA Possible Pt Source Contrib V1_5	EPA other
Misc NP Hg Cats	EPA other

Table A-2: Percentage of emissions from different data sources in 2008 NEI by pollutant and EIS sector

Sector	CO		VOC		NOX		SO2		PM2.5			PM10			NH3		Total HAP			Acid Gases			HAP-VOC			HAP-Metals				
	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	TRI	EPA other	S/L/T	EPA NP & Mob EPA other	TRI	EPA other	S/L/T	EPA NP & Mob EPA other	TRI	EPA other			
	Agriculture - Crops & Livestock Dust									13	78	9	14	77	9						100								100	
Agriculture - Fertilizer Application															23	77														
Agriculture - Livestock Waste	100		100		100		100		100		0	100			22	78	100	0	0	100		99	0	1	90			10		
Biogenics - Vegetation and Soil		100		100		100													100				100							
Bulk Gasoline Terminals	100		100		100		100		3		97	28		72	100		97		3	0		100		97		3	0	10	84	6
Commercial Cooking	33	67	46	54	100		100		37	63		43	57			22	78				22	78								
Dust - Construction Dust	88	12	91	9	26	74	84	16	31	69	0	28	72	0		100	3	0	97	100	56	1	43	2	0		98			
Dust - Paved Road Dust									21	67	12	41	49	10																
Dust - Unpaved Road Dust									11	89	0	13	87	0																
Fires - Agricultural Field Burning	45	55	48	52	39	61	31	69	38	62	39	61	100		100		0	100		100					99			1		
Fires - Prescribed Fires		100		100		100		100		100		100		100		100			100					100						
Fires - Wildfires		100		100		100		100		100		100		100		100			100					100						
Fuel Comb - Comm/Institutional - Biomass	100	0	100	0	100	0	100	0	74	26	83	17	95	5	86	3	12	76		24	88	3	9	88	0	12				
Fuel Comb - Comm/Institutional - Coal	100	0	100	0	100	0	100	0	54	46	74	26	100	0	80	17	3	80	18	2	90	1	9	80	0	19				
Fuel Comb - Comm/Institutional - Natural Gas	100	0	100	0	100	0	100	0	84	16	87	13	93	7	83	4	12	95	5		83	4	12	61	12	28				
Fuel Comb - Comm/Institutional - Oil	100	0	100	0	100	0	100	0	89	11	91	9	100	0	16	82	2	2	98		89	1	11	72	18	9				
Fuel Comb - Comm/Institutional - Other	100	0	100	0	100	0	100	0	59	41	72	28	100	0	98	1	0	100	0		96	3	0	98	1	2				
Fuel Comb - Electric Generation - Biomass	94	6	97	3	97	3	100	0	27	73	65	35	96	4	71	2	28	73		27	68	3	28	77	0	23				
Fuel Comb - Electric Generation - Coal	98	2	97	3	98	2	98	2	41	59	48	52	38	62	4	0	96	3	0	97	37	0	63	4	0	96				
Fuel Comb - Electric Generation - Natural Gas	92	8	97	3	99	1	100	0	52	48	55	45	55	45	47	6	47	1	30	69	57	0	43	49	1	50				
Fuel Comb - Electric Generation - Oil	99	1	99	1	99	1	99	1	55	45	59	41	63	37	17	0	82	7	0	93	51	0	49	8	0	92				
Fuel Comb - Electric Generation - Other	100		100		100		100		47	53	57	43	90	10	88	0	12	86		14	95	2	4	68	0	32				
Fuel Comb - Industrial Boilers, ICEs - Biomass	100		100		100		100		71	29	79	21	100		66	19	14	75	10	15	61	26	13	90	2	8				
Fuel Comb - Industrial Boilers, ICEs - Coal	100		100	0	100		100		50	50	65	35	72	28	71	11	18	71	11	18	60	32	7	65	5	30				
Fuel Comb - Industrial Boilers, ICEs - Natural Gas	82	18	98	2	92	8	100	0	57	43	59	41	79	21	62	7	31	22	41	37	65	5	30	60	12	28				
Fuel Comb - Industrial Boilers, ICEs - Oil	94	6	92	8	93	7	99	1	71	29	75	25	100	0	18	82	1	4	96		91	5	5	84	11	5				
Fuel Comb - Industrial Boilers, ICEs - Other	100	0	100	0	100	0	100	0	11	89	14	86	100	0	92	7	1	87	12	1	97	3	0	68	22	10				
Fuel Comb - Residential - Natural Gas	77	23	76	24	78	22	76	24	91	9		89	11		48	52		91	9					83		17				
Fuel Comb - Residential - Oil	78	22	0	75	25	0	81	19	0	80	20	0	50	50	0	51	49	0	65	35	0	42	58	0	41	56	2			
Fuel Comb - Residential - Other	45	55	48	52	52	48	50	50	38	42	20	38	43	19	34	66	0	24	76		50	50		46	52	2				
Fuel Comb - Residential - Wood	54	41	5	47	48	5	53	41	6	61	33	6	53	41	5	54	40	5	51	43	5	100		51	44	5	84	14	2	
Gas Stations	100		52	22	25	100		100		78	22	90	10	100		34	35	0	31	100		34	35	0	31	53	45	2	0	
Industrial Processes - Cement Manuf	100		100		100		100		46	54	49	51	100		91	9	0	91	9		93	7	0	85	9	6				
Industrial Processes - Chemical Manuf	100		100		100		100		23	77	44	56	100		79	21	0	97	3		77	23	0	69	24	7				

Sector	CO		VOC		NOX		SO2		PM2.5		PM10		NH3		Total HAP			Acid Gases			HAP-VOC			HAP-Metals													
	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob EPA other	S/L/T	EPA NP & Mob TRI	EPA other	S/L/T	EPA NP & Mob TRI	EPA other	S/L/T	EPA NP & Mob TRI	EPA other	S/L/T	EPA NP & Mob TRI	EPA other											
Industrial Processes - Ferrous Metals	100		100		100		100		13	87	36	64	100		65	32	3	73	27	67	32	0	60	31	10												
Industrial Processes - Mining	100		100		100		100		19	75	7	14	85	1	100		98	2	0	100	0	99	1	0	87	12	1										
Industrial Processes - NEC	100		100		100		100		40	60	60	40	100		86	13	1	85	8	7	86	13	1	65	26	8											
Industrial Processes - Non-ferrous Metals	100		100		100		100		19	81	39	61	100		73	27	0	83	17	55	45	0	83	10	7												
Industrial Processes - Oil & Gas Production	99	1	97	3	99	1	100	0	89	11	95	5	100		100	0	0	99	1	100	0	0	85	11	4												
Industrial Processes - Petroleum Refineries	100		100		100		100		44	56	55	45	100		87	13	0	90	10	87	13	0	88	10	3												
Industrial Processes - Pulp & Paper	100		100		100		100		27	73	49	51	100		84	16	0	83	17	84	16	0	74	21	5												
Industrial Processes - Storage and Transfer	100		68	32	0	100		100		32	68	60	40	100		68	26	6	0	99	1	66	27	6	0	64	33	2									
Miscellaneous Non-Industrial NEC	100	0	39	61	54	46	19	81	96	2	2	97	1	2	100		42	58	0	94	6	37	63	0	16	45	39										
Mobile - Aircraft	20	80	33	67	14	86	15	85	30	70	0	17	83	0		28	72	0			30	70		5	95	0											
Mobile - Commercial Marine Vessels	3	97	5	95	4	96	6	94	4	96		4	96		4	92	0	100		11	89		1	99	0												
Mobile - Locomotives	6	94	9	91	6	94	26	74	5	95		5	95		2	98		100		7	93		3	97													
Mobile - Non-Road Equipment - Diesel	35	65	39	61	36	64	28	72	29	71	0	31	69	0	10	90				24	76	0	0	16	79	6	0										
Mobile - Non-Road Equipment - Gasoline	29	71	25	75	32	68	49	51	26	74	0	30	70	0	14	86				8	92			62	38												
Mobile - Non-Road Equipment - Other	32	68	31	69	32	68	14	86	23	77	0	24	76	0	100					23	77	0		100		0											
Mobile - On-Road Diesel Heavy Duty Vehicles	11	89	11	89	11	89	7	93	8	92		8	92	1	99					18	82			14	86												
Mobile - On-Road Diesel Light Duty Vehicles	4	96	3	97	6	94	5	95	4	96		5	95	3	97					5	95			3	97												
Mobile - On-Road Gasoline Heavy Duty Vehicles	9	91	15	85	12	88	4	96	4	96		5	95	21	79					10	90			9	91												
Mobile - On-Road Gasoline Light Duty Vehicles	6	94	7	93	5	95	5	95	10	90		9	91	15	85					5	95			16	84												
Solvent - Consumer & Commercial Solvent Use	100		46	54	100		100		100		100		100		34	66	0	100		32	68			38		62											
Solvent - Degreasing	100		100		100		100		79	21	97	3	100		98	2	0	100		93	7	1	98	0	2												
Solvent - Dry Cleaning	100		66	34	100		100		92	8	100		100		100	0	0	100		100	0	0	69		31												
Solvent - Graphic Arts	100		100		100		100		50	50	64	36	100		95	5	0	100		95	5	0	99	0	1												
Solvent - Industrial Surface Coating & Solvent Use	100		96	4	100		100		48	52	74	26	100		83	10	7	0	95	5	88	5	7	0	65	13	21										
Solvent - Non-Industrial Surface Coating			60	40										100		27	73			27	73																
Waste Disposal	29	69	1	57	42	1	64	35	1	91	9	0	31	62	7	32	62	6	99	1	0	55	44	0	0	66	33	0	1	50	50	0	0	88	2	10	
All sectors	15	53	32	12	11	77	39	54	8	91	6	2	18	44	39	19	67	15	24	68	8	7	20	1	72	24	2	4	70	6	21	0	73	36	28	9	27

Table A-3: Pollutants used in groups for Table A-2.

Group	Pollutant Code	Pollutant description
Acid Gases	7782505	Chlorine
Acid Gases	7647010	Hydrochloric Acid
Acid Gases	74908	Hydrogen Cyanide
Acid Gases	7664393	Hydrogen Fluoride
HAP-Metals	7440360	Antimony
HAP-Metals	7440382	Arsenic
HAP-Metals	7440417	Beryllium
HAP-Metals	7440439	Cadmium
HAP-Metals	7738945	Chromic Acid (VI)
HAP-Metals	7440473	Chromium
HAP-Metals	18540299	Chromium (VI)
HAP-Metals	16065831	Chromium III
HAP-Metals	1333820	Chromium Trioxide
HAP-Metals	7440484	Cobalt
HAP-Metals	7439921	Lead
HAP-Metals	7439965	Manganese
HAP-Metals	7439976	Mercury
HAP-Metals	593748	Methyl Mercury
HAP-Metals	7440020	Nickel
HAP-Metals	1313991	Nickel Oxide
HAP-Metals	604	Nickel Refinery Dust
HAP-Metals	12035722	Nickel Subsulfide
HAP-Metals	202	Particulate Divalent Mercury
HAP-Metals	7782492	Selenium
HAP-VOC	79345	1,1,2,2-Tetrachloroethane
HAP-VOC	79005	1,1,2-Trichloroethane
HAP-VOC	57147	1,1-Dimethyl Hydrazine
HAP-VOC	58899	1,2,3,4,5,6-Hexachlorocyclohexane
HAP-VOC	120821	1,2,4-Trichlorobenzene
HAP-VOC	96128	1,2-Dibromo-3-Chloropropane
HAP-VOC	122667	1,2-Diphenylhydrazine
HAP-VOC	106887	1,2-Epoxybutane
HAP-VOC	75558	1,2-Propylenimine
HAP-VOC	106990	1,3-Butadiene
HAP-VOC	542756	1,3-Dichloropropene
HAP-VOC	1120714	1,3-Propanesultone
HAP-VOC	106467	1,4-Dichlorobenzene
HAP-VOC	540841	2,2,4-Trimethylpentane
HAP-VOC	95954	2,4,5-Trichlorophenol
HAP-VOC	88062	2,4,6-Trichlorophenol
HAP-VOC	94757	2,4-Dichlorophenoxy Acetic Acid

Group	Pollutant Code	Pollutant description
HAP-VOC	51285	2,4-Dinitrophenol
HAP-VOC	121142	2,4-Dinitrotoluene
HAP-VOC	584849	2,4-Toluene Diisocyanate
HAP-VOC	53963	2-Acetylaminofluorene
HAP-VOC	532274	2-Chloroacetophenone
HAP-VOC	79469	2-Nitropropane
HAP-VOC	91941	3,3'-Dichlorobenzidine
HAP-VOC	119904	3,3'-Dimethoxybenzidine
HAP-VOC	119937	3,3'-Dimethylbenzidine
HAP-VOC	101144	4,4'-Methylenebis(2-Chloraniline)
HAP-VOC	101779	4,4'-Methylenedianiline
HAP-VOC	101688	4,4'-Methylenediphenyl Diisocyanate
HAP-VOC	534521	4,6-Dinitro-o-Cresol
HAP-VOC	92671	4-Aminobiphenyl
HAP-VOC	60117	4-Dimethylaminoazobenzene
HAP-VOC	92933	4-Nitrobiphenyl
HAP-VOC	100027	4-Nitrophenol
HAP-VOC	75070	Acetaldehyde
HAP-VOC	60355	Acetamide
HAP-VOC	75058	Acetonitrile
HAP-VOC	98862	Acetophenone
HAP-VOC	107028	Acrolein
HAP-VOC	79061	Acrylamide
HAP-VOC	79107	Acrylic Acid
HAP-VOC	107131	Acrylonitrile
HAP-VOC	107051	Allyl Chloride
HAP-VOC	62533	Aniline
HAP-VOC	71432	Benzene
HAP-VOC	92875	Benzidine
HAP-VOC	98077	Benzotrichloride
HAP-VOC	100447	Benzyl Chloride
HAP-VOC	57578	Beta-Propiolactone
HAP-VOC	92524	Biphenyl
HAP-VOC	117817	Bis(2-Ethylhexyl)Phthalate
HAP-VOC	542881	Bis(Chloromethyl)Ether
HAP-VOC	75252	Bromoform
HAP-VOC	133062	Captan
HAP-VOC	63252	Carbaryl
HAP-VOC	75150	Carbon Disulfide
HAP-VOC	56235	Carbon Tetrachloride
HAP-VOC	463581	Carbonyl Sulfide
HAP-VOC	120809	Catechol

Group	Pollutant Code	Pollutant description
HAP-VOC	133904	Chloramben
HAP-VOC	57749	Chlordane
HAP-VOC	79118	Chloroacetic Acid
HAP-VOC	108907	Chlorobenzene
HAP-VOC	510156	Chlorobenzilate
HAP-VOC	67663	Chloroform
HAP-VOC	107302	Chloromethyl Methyl Ether
HAP-VOC	126998	Chloroprene
HAP-VOC	1319773	Cresol/Cresylic Acid (Mixed Isomers)
HAP-VOC	98828	Cumene
HAP-VOC	72559	DDE (1,1-Dichloro-2,2-Bis(p-Chlorophenyl) Ethylene)
HAP-VOC	334883	Diazomethane
HAP-VOC	132649	Dibenzofuran
HAP-VOC	84742	Dibutyl Phthalate
HAP-VOC	111444	Dichloroethyl Ether
HAP-VOC	62737	Dichlorvos
HAP-VOC	111422	Diethanolamine
HAP-VOC	64675	Diethyl Sulfate
HAP-VOC	131113	Dimethyl Phthalate
HAP-VOC	77781	Dimethyl Sulfate
HAP-VOC	79447	Dimethylcarbamoyl Chloride
HAP-VOC	106898	Epichlorohydrin
HAP-VOC	140885	Ethyl Acrylate
HAP-VOC	100414	Ethyl Benzene
HAP-VOC	51796	Ethyl Carbamate Chloride
HAP-VOC	75003	Ethyl Chloride
HAP-VOC	106934	Ethylene Dibromide
HAP-VOC	107062	Ethylene Dichloride
HAP-VOC	107211	Ethylene Glycol
HAP-VOC	75218	Ethylene Oxide
HAP-VOC	96457	Ethylene Thiourea
HAP-VOC	151564	Ethyleneimine
HAP-VOC	75343	Ethylidene Dichloride
HAP-VOC	50000	Formaldehyde
HAP-VOC	76448	Heptachlor
HAP-VOC	118741	Hexachlorobenzene
HAP-VOC	87683	Hexachlorobutadiene
HAP-VOC	77474	Hexachlorocyclopentadiene
HAP-VOC	67721	Hexachloroethane
HAP-VOC	822060	Hexamethylene Diisocyanate
HAP-VOC	680319	Hexamethylphosphoramide
HAP-VOC	110543	Hexane

Group	Pollutant Code	Pollutant description
HAP-VOC	123319	Hydroquinone
HAP-VOC	78591	Isophorone
HAP-VOC	108316	Maleic Anhydride
HAP-VOC	108394	m-Cresol
HAP-VOC	67561	Methanol
HAP-VOC	72435	Methoxychlor
HAP-VOC	74839	Methyl Bromide
HAP-VOC	74873	Methyl Chloride
HAP-VOC	71556	Methyl Chloroform
HAP-VOC	74884	Methyl Iodide
HAP-VOC	108101	Methyl Isobutyl Ketone
HAP-VOC	624839	Methyl Isocyanate
HAP-VOC	80626	Methyl Methacrylate
HAP-VOC	1634044	Methyl Tert-Butyl Ether
HAP-VOC	75092	Methylene Chloride
HAP-VOC	60344	Methylhydrazine
HAP-VOC	108383	m-Xylene
HAP-VOC	121697	N,N-Dimethylaniline
HAP-VOC	68122	N,N-Dimethylformamide
HAP-VOC	98953	Nitrobenzene
HAP-VOC	62759	N-Nitrosodimethylamine
HAP-VOC	59892	N-Nitrosomorpholine
HAP-VOC	684935	N-Nitroso-N-Methylurea
HAP-VOC	90040	o-Anisidine
HAP-VOC	95487	o-Cresol
HAP-VOC	95534	o-Toluidine
HAP-VOC	95476	o-Xylene
HAP-VOC	56382	Parathion
HAP-VOC	106445	p-Cresol
HAP-VOC	123911	p-Dioxane
HAP-VOC	82688	Pentachloronitrobenzene
HAP-VOC	87865	Pentachlorophenol
HAP-VOC	108952	Phenol
HAP-VOC	75445	Phosgene
HAP-VOC	85449	Phthalic Anhydride
HAP-VOC	106503	p-Phenylenediamine
HAP-VOC	123386	Propionaldehyde
HAP-VOC	114261	Propoxur
HAP-VOC	78875	Propylene Dichloride
HAP-VOC	75569	Propylene Oxide
HAP-VOC	106423	p-Xylene
HAP-VOC	91225	Quinoline

Group	Pollutant Code	Pollutant description
HAP-VOC	106514	Quinone
HAP-VOC	100425	Styrene
HAP-VOC	96093	Styrene Oxide
HAP-VOC	127184	Tetrachloroethylene
HAP-VOC	108883	Toluene
HAP-VOC	95807	Toluene-2,4-Diamine
HAP-VOC	8001352	Toxaphene
HAP-VOC	79016	Trichloroethylene
HAP-VOC	121448	Triethylamine
HAP-VOC	1582098	Trifluralin
HAP-VOC	108054	Vinyl Acetate
HAP-VOC	593602	Vinyl Bromide
HAP-VOC	75014	Vinyl Chloride
HAP-VOC	75354	Vinylidene Chloride
HAP-VOC	1330207	Xylenes (Mixed Isomers)

Appendix B. Overwrite Dataset – EGU Units

The EGU overwrites in the “EPA Overwrite v1.5” dataset were developed to correct an issue in the Pennsylvania submitted data. We determined that PADEP submitted PM emissions labeled as "PM10-PRI" and PM25-PRI", but which actually only accounted for the FIL portion (no PM-CON). In addition to the emission estimates shown in attached, we also included "0.0" emission records in the overwrite dataset for all other EIS Process IDs at the same emission units, so that PADEP's other (small) process PM emissions would also not be selected. For those zero-outs, we added PM emissions for all 5 species of PM, so that they would also be selected rather than any values from the PM Augmentation dataset.

Table B-1 shows the non zero emissions in the EPA overwrite v1.5 dataset. Table B-2 provides a unit-level comparison of Pennsylvania data to EPA data.

Table B-1: Non-zero emissions in the EPA overwrite v1.5 dataset, process-level data

EIS Identifier	EIS Unit Identifier	EIS Process Identifier	SCC	County	Site Name	PM-CON (TON)	PM10-FIL (TON)	PM10-PRI (TON)	PM25-FIL (TON)	PM25-PRI (TON)
3865811	37166513	13754614	10100202	Armstrong	ALLEGHENY ENERGY SUPPLY CO/ARMSTRONG POWER STA	838.3	102.8	941.1	45.6	884.0
3865811	37166313	13754814	10100202	Armstrong	ALLEGHENY ENERGY SUPPLY CO/ARMSTRONG POWER STA	596.5	73.1	669.7	32.5	629.0
3866111	37164713	13753314	10100202	Armstrong	GENON NE MGMT CO/KEYSTONE STA	4,316.1	163.2	4,479.3	42.6	4,358.7
3866111	37164513	13753614	10100202	Armstrong	GENON NE MGMT CO/KEYSTONE STA	4,404.3	166.6	4,570.9	43.4	4,447.8
3853711	37815013	13631614	10100202	Beaver	FIRSTENERGY GEN CORP/BRUCE MANSFIELD PLT	529.1	1,408.3	1,937.4	698.4	1,227.6
3853711	37815113	13631314	10100202	Beaver	FIRSTENERGY GEN CORP/BRUCE MANSFIELD PLT	587.7	1,564.3	2,152.1	775.8	1,363.6
3853711	37815213	13630714	10100202	Beaver	FIRSTENERGY GEN CORP/BRUCE MANSFIELD PLT	653.2	39.7	692.8	34.5	687.6
3857011	37799813	17184614	10100212	Berks	GENON REMA LLC/TITUS GEN STA	403.5	49.5	453.0	22.0	425.5
3857011	37800013	17184314	10100212	Berks	GENON REMA LLC/TITUS GEN STA	377.7	46.3	424.0	20.6	398.3
3857011	37799713	17184914	10100212	Berks	GENON REMA LLC/TITUS GEN STA	392.3	48.1	440.4	21.4	413.7
2980011	38531013	16463914	10100202	Chester	EXELON GEN CO/CROMBY GEN STA	90.2	9.6	99.7	9.5	99.7
2985011	38387013	17042414	10100202	Clearfield	GENON REMA LLC/SHAWVILLE GEN STA	676.6	82.9	759.5	36.8	713.4
2985011	38387913	17041314	10100202	Clearfield	GENON REMA LLC/SHAWVILLE GEN STA	750.6	92.0	842.6	40.9	791.5
2985011	38387313	17042114	10100202	Clearfield	GENON REMA LLC/SHAWVILLE GEN STA	966.8	118.5	1,085.3	52.6	1,019.5
2985011	38387813	17041514	10100202	Clearfield	GENON REMA LLC/SHAWVILLE GEN STA	1,015.3	124.5	1,139.7	55.3	1,070.5
6662011	17765313	13779914	10100212	Delaware	EXELON GENERATION CO/EDDYSTONE	130.2	13.8	144.0	13.7	143.9
6662011	17764413	93037214	10100212	Delaware	EXELON GENERATION CO/EDDYSTONE	133.7	14.2	147.9	14.1	147.8
3746611	37864513	13893414	10100202	Greene	ALLEGHENY ENERGY SUPPLY CO/HATFIELDS FERRY POWER STA	3,398.8	416.6	3,815.4	185.0	3,583.8
3746611	37864613	13893314	10100202	Greene	ALLEGHENY ENERGY SUPPLY CO/HATFIELDS FERRY POWER STA	3,460.4	424.2	3,884.6	188.4	3,648.8
3746611	37864713	13893114	10100202	Greene	ALLEGHENY ENERGY SUPPLY CO/HATFIELDS FERRY POWER STA	3,476.8	426.2	3,903.0	189.3	3,666.0
2905911	38673013	13718414	10100202	Indiana	GENON NE MGMT CO/CONEMAUGH PLT	459.8	27.9	487.7	24.3	484.1
2905911	38672213	13719414	10100202	Indiana	GENON NE MGMT CO/CONEMAUGH PLT	601.6	149.0	750.6	38.9	640.5
3005111	67474613	93066514	10100218	Indiana	GENON WHOLESALE GEN/SEWARD GEN STA	105.8	84.6	190.4	9.9	115.6

EIS Identifier	EIS Unit Identifier	EIS Process Identifier	SCC	County	Site Name	PM-CON (TON)	PM10-FIL (TON)	PM10-PRI (TON)	PM25-FIL (TON)	PM25-PRI (TON)
3005111	67474713	93066714	10100218	Indiana	GENON WHOLESALE GEN/SEWARD GEN STA	90.3	72.2	162.5	8.4	98.7
3005211	38366513	13552114	10100202	Indiana	EME HOMER CITY GEN LP/ CENTER TWP	3,073.8	376.8	3,450.6	167.3	3,241.1
3005211	38366413	13552214	10100202	Indiana	EME HOMER CITY GEN LP/ CENTER TWP	3,838.5	470.5	4,309.0	208.9	4,047.4
3005211	38366713	93066314	10100202	Indiana	EME HOMER CITY GEN LP/ CENTER TWP	405.6	482.3	888.0	214.2	619.8
3776611	37249213	13668214	10100202	Lawrence	GENON POWER MIDWEST LP/NEW CASTLE POWER PLT	363.3	44.5	407.8	19.8	383.0
3776611	37249013	13668514	10100202	Lawrence	GENON POWER MIDWEST LP/NEW CASTLE POWER PLT	340.5	41.7	382.2	18.5	359.0
3776611	37249513	13667914	10100202	Lawrence	GENON POWER MIDWEST LP/NEW CASTLE POWER PLT	598.1	73.3	671.5	32.6	630.7
4742711	27702713	14219714	10100101	Luzerne	UGI DEVELOPMENT CO/HUNLOCK CREEK	345.3	42.3	387.6	18.8	364.1
3881111	37158713	13680514	10100202	Montour	PPL MONTOUR LLC/MONTOUR SES	357.9	88.6	446.5	23.1	381.0
3881111	37158913	13680314	10100202	Montour	PPL MONTOUR LLC/MONTOUR SES	500.3	123.9	624.2	32.3	532.6
3881811	37150013	13619414	10100201	Northampton	GENON REMA LLC/PORTLAND GENERATING STA	674.3	82.7	756.9	36.7	711.0
3881811	37150113	13619114	10100201	Northampton	GENON REMA LLC/PORTLAND GENERATING STA	1,448.5	177.6	1,626.1	78.8	1,527.3
4737311	27901813	93184414	10100202	Snyder	SUNBURY GENERATION LP/SUNBURY SES	370.5	1.7	372.2	1.7	372.1
4737311	27902513	93184514	10100202	Snyder	SUNBURY GENERATION LP/SUNBURY SES	348.4	1.6	350.0	1.6	349.9
4737311	27901713	93184614	10100202	Snyder	SUNBURY GENERATION LP/SUNBURY SES	367.4	1.7	369.1	1.6	369.1
4737311	27902413	93184714	10100202	Snyder	SUNBURY GENERATION LP/SUNBURY SES	311.6	1.5	313.0	1.4	313.0
4737311	27902613	14619214	10100202	Snyder	SUNBURY GENERATION LP/SUNBURY SES	706.8	2.2	709.0	1.5	708.3
4737311	27901913	14620814	10100202	Snyder	SUNBURY GENERATION LP/SUNBURY SES	762.0	2.4	764.4	1.7	763.7
3894811	37444713	14715414	10100202	Washington	ALLEGHENY ENERGY SUPPLY CO/MITCHELL POWER STA	153.7	182.8	336.6	81.2	234.9
3895011	37443813	14713114	10100202	Washington	GENON PWR MIDWEST LP/ELRAMA POWER STA	61.9	41.4	103.3	32.7	94.6
3193911	38702513	14416114	10100202	York	PPL BRUNNER ISLAND LLC/BRUNNER ISLAND	1,387.8	52.5	1,440.3	13.7	1,401.5
3193911	38702613	14416014	10100201	York	PPL BRUNNER ISLAND LLC/BRUNNER ISLAND	1,297.0	49.0	1,346.0	12.8	1,309.8
3193911	38702013	14356114	10100202	York	PPL BRUNNER ISLAND LLC/BRUNNER ISLAND	2,932.0	110.9	3,042.8	28.9	2,960.9

Table B-2 compares the Pennsylvania Department of the Environment (PADEP) data to the EPA data from the EPA Overwrite Point v1.5 dataset that was used to overwrite the PA data.

Table B-2: Comparison of Pennsylvania agency-submitted

State/ County FIPS Code	EIS Id	Unit Desc.	EIS Unit Id	PADEP PM10- PRI TONS	EPA PM10-PRI TONS	EPA PM-CON TONS	EPA PM10- FIL TONS	PADEP PM25-PRI TONS	EPA PM25-PRI TONS	EPA PM25- FIL TONS
42005	3866111	BOILER 2 WITH LOW NOX BURNER	37164513	426	4,571	4,404	167	142	4,448	43
42005	3866111	BOILER 1 WITH LOW NOX BURNER	37164713	569	4,479	4,316	163	213	4,359	43
42063	3005211	BOILER NO.2 (UNIT 2)	38366413	875	4,309	3,838	471		4,047	209
42059	3746611	BABCOCK & WILCOX BOILER 3	37864713	1,253	3,903	3,477	426	543	3,666	189
42059	3746611	BABCOCK & WILCOX BOILER 2	37864613	1,214	3,885	3,460	424	525	3,649	188
42059	3746611	BABCOCK & WILCOX BOILER 1	37864513	1,148	3,815	3,399	417	497	3,584	185
42063	3005211	BOILER NO.1 (UNIT 1)	38366513	361	3,451	3,074	377		3,241	167
42133	3193911	BRUNNER ISLAND UNIT 3	38702013	1,333	3,043	2,932	111		2,961	29
42007	3853711	FOSTER WHEELER UNIT 2	37815113	218	2,152	588	1,564	57	1,364	776
42007	3853711	FOSTER WHEELER UNIT 1	37815013	201	1,937	529	1,408	53	1,228	698
42095	3881811	UNIT 2 W/LOW NOX BURNERS	37150113	86	1,626	1,448	178	37	1,527	79
42133	3193911	BRUNNER ISLAND UNIT 2	38702513	529	1,440	1,388	52		1,401	14
42133	3193911	BRUNNER ISLAND UNIT 1	38702613	1,167	1,346	1,297	49		1,310	13
42033	2985011	UTILITY BOILER - UNIT 4	38387813	141	1,140	1,015	124	61	1,071	55
42033	2985011	UTILITY BOILER - UNIT 3	38387313	135	1,085	967	119	58	1,019	53
42005	3865811	FOSTER WHEELER BOILER 1	37166513	24	941	838	103	2	884	46
42063	3005211	BOILER NO.3 (UNIT 3)	38366713	487	888	406	482		620	214
42033	2985011	UTILITY BOILER - UNIT 2	38387913	114	843	751	92	49	791	41
42109	4737311	FOSTER WHEELER BOILER (4)	27901913	20	764	762	2	5	764	2
42033	2985011	UTILITY BOILER - UNIT 1	38387013	181	760	677	83	78	713	37
42095	3881811	UNIT 1 W/LOW NOX BURNERS	37150013	38	757	674	83	16	711	37
42063	2905911	BOILER 2 (UNIT 2)	38672213	527	751	602	149	269	640	39
42109	4737311	FOSTER WHEELER BOILER (3)	27902613	18	709	707	2	5	708	2
42007	3853711	FOSTER WHEELER UNIT 3	37815213	298	693	653	40	78	688	34
42073	3776611	BABCOCK & WILCOX - BOILER 5	37249513	84	671	598	73	36	631	33
42005	3865811	FOSTER WHEELER BOILER 2	37166313	45	670	597	73	5	629	32
42093	3881111	CE BOILER - UNIT 2	37158913	758	624	500	124		533	32
42063	2905911	BOILER 1 (UNIT 1)	38673013	233	488	460	28	119	484	24
42011	3857011	UNIT 1	37799813	77	453	403	49	33	425	22
42093	3881111	CE BOILER - UNIT 1	37158713	587	447	358	89		381	23
42011	3857011	UNIT 3	37799713	78	440	392	48	34	414	21
42011	3857011	UNIT 2	37800013	74	424	378	46	32	398	21
42073	3776611	BABCOCK & WILCOX - BOILER 3	37249213	12	408	363	45	5	383	20
42079	4742711	FOSTER WHEELER BOILER 6	27702713	290	388	345	42	248	364	19
42073	3776611	BABCOCK & WILCOX - BOILER 4	37249013	11	382	340	42	5	359	19
42109	4737311	FOSTER WHEELER BOILER (1A)	27901813	12	372	370	2	3	372	2
42109	4737311	FOSTER WHEELER BOILER (2A)	27901713	12	369	367	2	3	369	2
42109	4737311	FOSTER WHEELER BOILER (1B)	27902513	11	350	348	2	3	350	2
42125	3894811	MITCHELL UNIT 3 (BOILER 33)	37444713	175	337	154	183	79	235	81
42109	4737311	FOSTER WHEELER BOILER (2B)	27902413	10	313	312	1	3	313	1
42063	3005111	CFB BOILER 1	67474613	74	190	106	85	22	116	10
42063	3005111	CFB BOILER 2	67474713	68	163	90	72	20	99	8
42045	6662011	BOILER 2	17764413	84	148	134	14	45	148	14
42045	6662011	BOILER 1	17765313	75	144	130	14	40	144	14
42125	3895011	NO. 4 BOILER	37443813	51	103	62	41	24	95	33
42029	2980011	BOILER 1	38531013	51	100	90	10	29	100	10