

Amos Plant: Toxics Release Inventory for 2008

Plant: Amos, St. Albans, West Virginia
Contact: Jon Webster Telephone (304) 759-3159
2008 Generation 16,151,192 megawatthours
2008 Coal Burn 13,242,920,000 pounds

Amos Plant Estimated Releases for 2008 (Pounds)					
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	595	511	19,525	93,195	113,826
Barium	945	3,350	183,005	683,616	870,916
Beryllium	29	0	2,725	11,000	13,754
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	1,100	21	36,705	741,193	779,020
Cobalt	490	182	15,605	55,000	71,277
Copper	950	414	45,005	300,000	346,369
Lead	554	99	16,681	76,223	93,556
Manganese	1,350	1,230	52,005	240,000	294,585
Mercury	710	0	99	508	1,316
Nickel	1,450	353	34,005	360,000	395,808
Selenium	20,005	403	2,865	13,231	36,504
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	1,005	650	72,005	270,000	343,660
Zinc	2,705	718	42,105	180,000	225,528
Hydrochloric Acid Aerosol	13,000,000	(b)	(b)	(b)	13,000,000
Hydrogen Fluoride	810,000	(b)	(b)	(b)	810,000
Sulfuric Acid Aerosol	1,000,000	(b)	(b)	(b)	1,000,000
Ammonia	5,650	236	N/A	N/A	5,886
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.2	0	0	0	0
PACs	6.0	0	0	0	6
Dioxins (grams)	1.9	0	0	0	2
Dioxins (ounces)	0.067	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	14,847,544	8,168	522,335	3,023,965	18,402,012

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.
 (b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.
 (c) Toxic equivalent; see AEP.Com for further explanation.

Big Sandy Plant: Toxics Release Inventory for 2008

Plant: Big Sandy, Louisa, Kentucky

Contact: Kenneth Borders Telephone (606) 686-2415

2008 Generation 6,021,182 megawatthours

2008 Coal Burn 4,712,152,000 pounds

Big Sandy Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	1,505	641	37,445	150	39,741
Barium	4,705	4,294	293,005	3,000	305,004
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	346	90	60,005	47,151	107,592
Cobalt	1,105	214	24,705	0	26,024
Copper	405	79	82,005	10,000	92,489
Lead	750	16	31,420	165	32,352
Manganese	1,750	160	80,005	4,700	86,615
Mercury	1,204	0	191	6	1,401
Nickel	1,350	442	53,205	19,000	73,997
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	2,005	0	116,005	0	118,010
Zinc	2,605	480	76,905	0	79,990
Hydrochloric Acid Aerosol	4,400,000	(b)	(b)	(b)	4,400,000
Hydrogen Fluoride	290,000	(b)	(b)	(b)	290,000
Sulfuric Acid Aerosol	400,000	(b)	(b)	(b)	400,000
Ammonia	1,750	1,070	N/A	N/A	2,820
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	2.1	0	0	0	2
Dioxins (grams)	0.7	0	0	0	1
Dioxins (ounces)	0.025	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	5,109,482	7,486	854,896	84,173	6,056,036

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Cardinal Plant: Toxics Release Inventory for 2008

Plant: Cardinal, Brilliant, Ohio

Contact: Charles Hewett Telephone (740) 598-6511

2008 Generation 10,386,117 megawatthours

2008 Coal Burn 8,398,762,000 pounds

Cardinal Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	595	6,600	65,225	430	72,850
Barium	1,105	2,501	609,205	8,500	621,311
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	960	480	127,405	135,431	264,276
Cobalt	225	200	51,465	0	51,890
Copper	567	4,000	148,675	30,000	183,242
Lead	535	224	60,464	443	61,666
Manganese	1,130	2	195,005	13,500	209,637
Mercury	394	0	528	17	939
Nickel	1,110	583	110,945	53,000	165,638
Selenium	6,305	2,100	15,775	85	24,265
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	1,005	0	244,005	0	245,010
Zinc	2,105	13	157,005	0	159,123
Hydrochloric Acid Aerosol	2,700,000	(b)	(b)	(b)	2,700,000
Hydrogen Fluoride	200,000	(b)	(b)	(b)	(a)
Sulfuric Acid Aerosol	430,000	(b)	(b)	(b)	430,000
Ammonia	3,650	1,530	N/A	N/A	5,180
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.2	0	0	0	0
PACs	3.8	0	0	0	4
Dioxins (grams)	1.2	0	0	0	1
Dioxins (ounces)	0.042	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	3,349,690	18,234	1,785,702	241,407	5,395,032

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Clinch River Plant: Toxics Release Inventory for 2008

Plant: Clinch River, Cleveland, Virginia
Contact: Monte Guy Telephone (276) 889-7314
2008 Generation 3,630,925 megawatthours
2008 Coal Burn 2,931,992,000 pounds

Clinch River Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	235	140	24,365	100	(a)
Barium	455	741	183,005	2,100	186,301
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	530	0	37,205	30,100	67,835
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	219	150	51,005	6,600	57,974
Lead	205	17	19,919	108	20,249
Manganese	355	0	50,005	3,000	53,360
Mercury	137	0	97	4	238
Nickel	320	22	33,605	12,000	45,947
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	345	0	75,005	0	75,350
Zinc	805	0	47,705	0	48,510
Hydrochloric Acid Aerosol	2,200,000	(b)	(b)	(b)	2,200,000
Hydrogen Fluoride	180,000	(b)	(b)	(b)	180,000
Sulfuric Acid Aerosol	200,000	(b)	(b)	(b)	200,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	1.3	0	0	0	1
Dioxins (grams)	0.4	0	0	0	0
Dioxins (ounces)	0.014	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	2,583,607	1,070	521,916	54,012	3,160,606

- Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.
(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.
(c) Toxic equivalent; see AEP.Com for further explanation.

Conesville Plant: Toxics Release Inventory for 2008

Plant: Conesville, Conesville, Ohio

Contact: Georgeanne Hammond Telephone (740) 829-4065

2008 Generation 9,463,902 megawatthours

2008 Coal Burn 8,311,572,000 pounds

Conesville Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	895	769	68,005	132	69,801
Barium	2,005	842	422,005	2,603	427,455
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	1,210	13	91,005	190,134	282,362
Cobalt	550	57	36,105	0	36,712
Copper	719	5,907	120,005	42,000	168,631
Lead	780	3	52,847	167	53,796
Manganese	1,450	1,000	128,005	19,000	149,455
Mercury	898	7	708	6	1,619
Nickel	1,350	988	75,005	76,000	153,343
Selenium	7,305	1,288	15,405	26	24,024
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	1,305	0	179,005	0	180,310
Zinc	2,605	4,607	127,005	0	134,217
Hydrochloric Acid Aerosol	4,200,000	(b)	(b)	(b)	4,200,000
Hydrogen Fluoride	250,000	(b)	(b)	(b)	250,000
Sulfuric Acid Aerosol	910,000	(b)	(b)	(b)	910,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	3.7	0	0	0	4
Dioxins (grams)	1.2	0	0	0	1
Dioxins (ounces)	0.042	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	5,381,076	15,480	1,315,105	330,067	7,041,728

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Flint Creek Plant: Toxics Release Inventory for 2008

Plant: Flint Creek, Gentry, Arkansas

Contact: Scott Carney Telephone (479) 736-3526

2008 Generation 3,603,373 megawatthours

2008 Coal Burn 4,455,586,000 pounds

Flint Creek Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	(a)	(a)	(a)	(a)	(a)
Barium	2,505	8,600	450,005	169	461,279
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	(a)	(a)	(a)	(a)	(a)
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	185	2,300	18,005	1,400	21,890
Lead	120	63	4,684	13	4,880
Manganese	465	450	44,005	630	45,550
Mercury	134	1	9	0	144
Nickel	(a)	(a)	(a)	(a)	(a)
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	235	0	26,005	0	26,240
Zinc	685	200	16,405	0	17,290
Hydrochloric Acid Aerosol	18,000	(b)	(b)	(b)	18,000
Hydrogen Fluoride	65,000	(b)	(b)	(b)	65,000
Sulfuric Acid Aerosol	(a)	(b)	(b)	(b)	(a)
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	1.4	0	0	0	1
Dioxins (grams)	0.4	0	0	0	0
Dioxins (ounces)	0.014	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	87,331	11,614	559,118	2,212	660,275

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Gavin Plant: Toxics Release Inventory for 2008

Plant: Gavin, Chesire, Ohio

Contact: Doug Workman Telephone (740) 925-3135

2008 Generation 21,101,748 megawatthours

2008 Coal Burn 17,081,280,000 pounds

Gavin Plant Estimated Releases for 2008 (Pounds)					
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	1,505	55	131,845	0	133,405
Barium	3,205	2,097	1,011,005	220	1,016,527
Beryllium	82	17	16,085	0	16,184
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	2,050	136	210,805	120,222	333,213
Cobalt	780	226	86,705	0	87,711
Copper	1,550	727	279,005	26,000	307,282
Lead	1,377	27	110,653	237	112,295
Manganese	2,450	0	335,005	12,000	349,455
Mercury	937	9	1,309	9	2,264
Nickel	2,150	793	187,205	47,000	237,148
Selenium	5,605	93	41,085	44	46,827
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	51	32	37,725	0	37,808
Vanadium	2,305	0	423,005	0	425,310
Zinc	5,005	551	274,005	0	279,561
Hydrochloric Acid Aerosol	280,000	(b)	(b)	(b)	280,000
Hydrogen Fluoride	69,000	(b)	(b)	(b)	69,000
Sulfuric Acid Aerosol	830,000	(b)	(b)	(b)	830,000
Ammonia	7,250	4,600	N/A	N/A	11,850
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.3	0	0	0	0
PACs	7.8	0	0	0	8
Dioxins (grams)	2.4	0	0	0	2
Dioxins (ounces)	0.085	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	1,215,310	9,363	3,145,442	205,733	4,575,847

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Glen Lyn Plant: Toxics Release Inventory for 2008

Plant: Glen Lyn, Glen Lyn, Virginia

Contact: Joe Ryder Telephone (540) 726-1212

2008 Generation 1,403,049 megawatthours

2008 Coal Burn 1,197,504,000 pounds

Glen Lyn Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	73	47	9,052	100	9,272
Barium	215	265	63,505	2,000	65,985
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	(a)	(a)	(a)	(a)	(a)
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	(a)	(a)	(a)	(a)	(a)
Lead	0	0	7,293	104	7,397
Manganese	350	530	16,405	1,000	18,285
Mercury	64	0	41	4	109
Nickel	(a)	(a)	(a)	(a)	(a)
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	135	0	26,705	0	26,840
Zinc	265	20	17,625	0	17,910
Hydrochloric Acid Aerosol	1,100,000	(b)	(b)	(b)	1,100,000
Hydrogen Fluoride	74,000	(b)	(b)	(b)	74,000
Sulfuric Acid Aerosol	58,000	(b)	(b)	(b)	58,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.0	0	0	0	0
PACs	0.6	0	0	0	1
Dioxins (grams)	0.2	0	0	0	0
Dioxins (ounces)	0.007	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	1,233,103	862	140,626	3,208	1,377,799

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Kammer/Mitchell Plant: Toxics Release Inventory for 2008

Plant: Kammer/Mitchell, Moundsville, West Virginia

Contact: Jeff Palmer Telephone (304) 843-6051

2008 Generation

13,754,569 megawatthours

2008 Coal Burn

11,555,548,000 pounds

Kammer/Mitchell Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	475	960	96,005	181	97,621
Barium	865	1,800	660,005	3,500	666,170
Beryllium	23	0	11,005	0	11,028
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	950	41	140,005	71,182	212,178
Cobalt	440	53	55,005	0	55,498
Copper	592	18,000	180,005	16,000	214,597
Lead	695	69	76,919	198	77,881
Manganese	1,100	5,400	190,005	7,100	203,605
Mercury	489	0	666	7	1,162
Nickel	1,150	470	120,005	28,000	149,625
Selenium	7,005	1,240	24,005	35	32,285
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	765	0	270,005	0	270,770
Zinc	2,205	12,000	180,005	0	194,210
Hydrochloric Acid Aerosol	2,400,000	(b)	(b)	(b)	2,400,000
Hydrogen Fluoride	200,000	(b)	(b)	(b)	200,000
Sulfuric Acid Aerosol	600,000	(b)	(b)	(b)	600,000
Ammonia	3,950	850	N/A	N/A	4,800
Chlorine	0	810	0	0	810
Benzo(g,h,i)perylene	0.2	0	0	0	0
PACs	5.3	0	0	0	5
Dioxins (grams)	1.7	0	0	0	2
Dioxins (ounces)	0.060	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	3,220,710	41,693	2,003,640	126,203	5,392,246

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Kanawha River Plant: Toxics Release Inventory for 2008

Plant: Kanawha River, Glasgow, West Virginia

Contact: Andrea Knopp Telephone (304) 353-3525

2008 Generation 2,468,650 megawatthours

2008 Coal Burn 2,049,238,000 pounds

Kanawha River Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	97	0	5	17,038	17,140
Barium	155	3,100	5	120,754	124,014
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	380	0	5	37,038	(a)
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	360	1,500	5	33,700	35,565
Lead	85	22	0	14,041	14,148
Manganese	420	110	5	33,200	33,735
Mercury	111	0	0	83	(a)
Nickel	420	180	5	25,800	26,405
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	155	0	5	49,000	49,160
Zinc	425	24	5	33,000	(a)
Hydrochloric Acid Aerosol	1,900,000	(b)	(b)	(b)	1,900,000
Hydrogen Fluoride	130,000	(b)	(b)	(b)	130,000
Sulfuric Acid Aerosol	140,000	(b)	(b)	(b)	140,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.0	0	0	0	0
PACs	0.9	0	0	0	1
Dioxins (grams)	0.3	0	0	0	0
Dioxins (ounces)	0.011	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	2,172,609	4,936	40	363,654	2,541,238

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Mountaineer Plant: Toxics Release Inventory for 2008

Plant: Mountaineer, New Haven, West Virginia
Contact: David Thompson Telephone (304) 882-4023
2008 Generation 9,818,558 megawatthours
2008 Coal Burn 8,144,832,000 pounds

Mountaineer Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	305	62	67,215	110	67,692
Barium	445	2,100	502,005	2,200	506,750
Beryllium	17	0	8,065	0	8,082
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	700	31	104,105	47,110	151,946
Cobalt	125	0	41,905	0	42,030
Copper	385	94	132,005	10,000	142,484
Lead	279	0	55,261	117	55,657
Manganese	565	1,200	207,405	4,700	213,870
Mercury	345	0	535	4	885
Nickel	595	93	91,805	19,000	111,493
Selenium	2,605	120	20,125	22	22,872
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	495	0	208,105	0	208,600
Zinc	1,405	270	142,991	0	144,666
Hydrochloric Acid Aerosol	150,000	(b)	(b)	(b)	150,000
Hydrogen Fluoride	32,000	(b)	(b)	(b)	32,000
Sulfuric Acid Aerosol	200,000	(b)	(b)	(b)	200,000
Ammonia	3,450	0	N/A	N/A	3,450
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	4	0	0	0	4
Dioxins (grams)	1.1	0	0	0	1
Dioxins (ounces)	0.039	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	393,720	3,970	1,581,527	83,263	2,062,480

- Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.
(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.
(c) Toxic equivalent; see AEP.Com for further explanation.

Muskingum River Plant: Toxics Release Inventory for 2008

Plant: Muskingum River, Waterford, Ohio

Contact: Jim Ludwig Telephone (740) 984-3468

2008 Generation 9,127,023 megawatthours

2008 Coal Burn 7,354,322,000 pounds

Muskingum River Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	855	570	60,615	210	62,250
Barium	2,105	2,100	459,005	4,310	467,520
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	880	360	95,205	23,210	119,655
Cobalt	280	0	39,205	0	39,485
Copper	635	3,600	120,005	5,000	129,240
Lead	735	0	50,214	221	51,170
Manganese	1,110	200	125,005	2,300	128,615
Mercury	464	0	244	9	717
Nickel	905	560	83,005	9,100	93,570
Selenium	11,005	82	9,395	43	20,525
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	1,205	0	188,005	0	189,210
Zinc	2,305	630	117,405	0	120,340
Hydrochloric Acid Aerosol	7,400,000	(b)	(b)	(b)	7,400,000
Hydrogen Fluoride	450,000	(b)	(b)	(b)	450,000
Sulfuric Acid Aerosol	970,000	(b)	(b)	(b)	970,000
Ammonia	1,750	640	N/A	N/A	2,390
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	3.4	0	0	0	3
Dioxins (grams)	1.1	0	0	0	1
Dioxins (ounces)	0.039	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	8,844,238	8,742	1,347,308	44,403	10,244,691

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Northeastern Plant: Toxics Release Inventory for 2008

Plant: Northeastern, Oologah, Oklahoma

Contact: Terri Waltman Telephone (918) 581-0063

2008 Generation 10,057,076 megawatthours

2008 Coal Burn 7,472,782,000 pounds

Northeastern Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	(a)	(a)	(a)	(a)	(a)
Barium	3,305	2,400	552,005	204	557,914
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	560	48	12,865	31,012	44,485
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	305	97	22,405	6,700	29,507
Lead	178	42	7,459	48	7,727
Manganese	930	710	48,605	3,100	53,345
Mercury	201	0	4	1	206
Nickel	660	40	13,205	12,000	25,905
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	315	0	32,205	0	32,520
Zinc	1,005	80	23,955	0	25,040
Hydrochloric Acid Aerosol	30,000	(b)	(b)	(b)	30,000
Hydrogen Fluoride	110,000	(b)	(b)	(b)	110,000
Sulfuric Acid Aerosol	19,000	(b)	(b)	(b)	19,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	2.4	0	0	0	2
Dioxins (grams)	0.8	0	0	0	1
Dioxins (ounces)	0.028	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	166,462	3,417	712,708	53,064	935,650

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Oklaunion Plant: Toxics Release Inventory for 2008

Plant: Oklaunion, Vernon, Texas

Contact: Patrick Hunter Telephone (940) 886-2735

2008 Generation 4,139,825 megawatthours

2008 Coal Burn 5,239,976,000 pounds

Oklaunion Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	(a)	(a)	(a)	(a)	(a)
Barium	2,505	0	58,005	621	61,131
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	440	0	1,505	15,031	16,976
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	195	0	1,405	3,300	4,900
Lead	127	0	334	35	496
Manganese	720	0	10,005	1,500	12,225
Mercury	160	0	3	1	164
Nickel	540	0	1,805	6,000	8,345
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	265	0	3,505	0	3,770
Zinc	725	0	2,105	0	2,830
Hydrochloric Acid Aerosol	7,400	(b)	(b)	(b)	7,400
Hydrogen Fluoride	24,000	(b)	(b)	(b)	24,000
Sulfuric Acid Aerosol	5,900	(b)	(b)	(b)	5,900
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	1.5	0	0	0	2
Dioxins (grams)	0.5	0	0	0	1
Dioxins (ounces)	0.018	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	42,979	0	78,672	26,488	148,138

- Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.
 (b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.
 (c) Toxic equivalent; see AEP.Com for further explanation.

Picway Plant: Toxics Release Inventory for 2008

Plant: Picway, Lockbourne, Ohio

Contact: Amy Heinsman Telephone (614) 835-3003

2008 Generation 329,338 megawatthours

2008 Coal Burn 348,864,000 pounds

Oklaunion Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	(a)	(a)	(a)	(a)	(a)
Barium	(a)	(a)	(a)	(a)	(a)
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	(a)	(a)	(a)	(a)	(a)
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	(a)	(a)	(a)	(a)	(a)
Lead	44	0	2,245	9	2,298
Manganese	(a)	(a)	(a)	(a)	(a)
Mercury	57	0	13	0	70
Nickel	(a)	(a)	(a)	(a)	(a)
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	(a)	(a)	(a)	(a)	(a)
Zinc	(a)	(a)	(a)	(a)	(a)
Hydrochloric Acid Aerosol	100,000	(b)	(b)	(b)	100,000
Hydrogen Fluoride	(a)	(b)	(b)	(b)	(a)
Sulfuric Acid Aerosol	35,000	(b)	(b)	(b)	35,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.0	0	0	0	0
PACs	0.2	0	0	0	0.20
Dioxins (grams)	(a)	0	0	0	(a)
Dioxins (ounces)	(a)	0	0	0	(a)
Dioxins (ounces TEQ) (c)	0	0	0	0	(a)
Totals	135,101	0	2,258	10	137,369

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Pirkey Plant: Toxics Release Inventory for 2008

Plant: Pirkey, Hallsville, Texas

Contact: Samantha McDonald Telephone (903) 927-5853

2008 Generation 4,693,593 megawatthours

2008 Coal Burn 7,709,192,000 pounds

Pirkey Plant Estimated Releases for 2008 (Pounds)					
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	185	6	17,905	1	18,096
Barium	2,405	270	890,005	11	892,691
Beryllium	63	0	20,705	0	20,768
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	940	1	64,005	34,002	98,948
Cobalt	120	1	24,105	0	24,226
Copper	375	2	64,005	7,500	71,882
Lead	390	6	45,512	11	45,919
Manganese	1,450	34	459,005	3,400	463,889
Mercury	1,039	0	471	0	1,510
Nickel	1,010	9	50,005	14,000	65,024
Selenium	3,105	42	20,195	0	23,342
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	16	1	39,005	0	39,022
Vanadium	415	0	136,005	0	136,420
Zinc	845	26	57,205	0	58,076
Hydrochloric Acid Aerosol	130,000	(b)	(b)	(b)	130,000
Hydrogen Fluoride	76,000	(b)	(b)	(b)	76,000
Sulfuric Acid Aerosol	40,000	(b)	(b)	(b)	40,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	0	0	N/A	N/A	0
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	1.9	0	0	0	1.9
Dioxins (grams)	0.6	0	0	0	1
Dioxins (ounces)	0.021	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	258,360	397	1,888,133	58,925	2,205,814

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Rockport Plant: Toxics Release Inventory for 2008

Plant: Rockport, Rockport, Indiana

Contact: John LaGrange Telephone (812) 649-2050

2008 Generation 19,900,735 megawatthours

2008 Coal Burn 21,861,508,000 pounds

Rockport Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	165	0	32,105	0	32,270
Arsenic	695	134	49,605	191	50,625
Barium	11,005	9,170	2,480,005	3,720	2,503,900
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	1,450	96	99,005	63,191	163,742
Cobalt	350	23	39,705	0	40,078
Copper	1,105	601	163,005	14,000	178,711
Lead	850	21	54,790	196	55,857
Manganese	2,650	1,540	270,005	6,300	280,495
Mercury	962	0	322	8	1,292
Nickel	1,950	150	99,005	25,000	126,105
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	48	0	26,505	0	26,553
Vanadium	1,605	0	224,005	0	225,610
Zinc	4,005	130	154,005	0	158,140
Hydrochloric Acid Aerosol	2,400,000	(b)	(b)	(b)	2,400,000
Hydrogen Fluoride	400,000	(b)	(b)	(b)	400,000
Sulfuric Acid Aerosol	170,000	(b)	(b)	(b)	170,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.3	0	0	0	0
PACs	7.2	0	0	0	7.2
Dioxins (grams)	2.3	0	0	0	2
Dioxins (ounces)	0.081	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	2,996,848	11,865	3,692,067	112,605	6,813,385

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Sporn Plant: Toxics Release Inventory for 2008

Plant: Sporn, New Haven, West Virginia

Contact: Ginger MacKnight Telephone (304) 882-1683

2008 Generation 4,941,522 megawatthours

2008 Coal Burn 4,312,640,000 pounds

Sporn Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	285	130	35,345	95	35,855
Barium	515	980	251,005	1,902	254,402
Beryllium	18	0	4,075	0	4,093
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	610	0	51,805	39,097	91,512
Cobalt	360	2	20,705	0	21,067
Copper	288	4,000	65,405	8,600	78,293
Lead	261	0	28,699	120	29,080
Manganese	690	520	67,005	3,900	72,115
Mercury	246	0	167	4	417
Nickel	720	480	44,605	16,000	61,805
Selenium	6,505	240	5,002	19	11,766
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	465	0	103,405	0	103,870
Zinc	1,105	200	68,305	0	69,610
Hydrochloric Acid Aerosol	3,900,000	(b)	(b)	(b)	3,900,000
Hydrogen Fluoride	260,000	(b)	(b)	(b)	260,000
Sulfuric Acid Aerosol	270,000	(b)	(b)	(b)	270,000
Ammonia	0	0	N/A	N/A	0
Chlorine	0.0	0	(a)	(a)	0
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	1.9	0	0	0	1.9
Dioxins (grams)	0.6	0	0	0	1
Dioxins (ounces)	0.021	0	0	0	0.021
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	4,442,070	6,552	745,528	69,737	5,263,888

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.

Tanners Creek: Toxics Release Inventory for 2008

Plant: Tanners Creek, Lawrenceburg, Indiana
Contact: Sharon McFarland Telephone (812) 532-3124
2008 Generation 4,688,090 megawatthours
2008 Coal Burn 4,490,172,000 pounds

Tanners Creek Plant Estimated Releases for 2008 (Pounds)

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	102	1,500	22,225	45	23,872
Barium	385	3,400	428,005	832	432,622
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	430	270	37,905	23,047	61,652
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	167	3,700	51,705	5,100	60,672
Lead	112	20	21,044	86	21,262
Manganese	520	0	66,905	2,300	69,725
Mercury	211	0	124	3	338
Nickel	590	580	34,505	9,300	44,975
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	235	0	80,205	0	80,440
Zinc	645	362	53,305	0	54,312
Hydrochloric Acid Aerosol	2,400,000	(b)	(b)	(b)	2,400,000
Hydrogen Fluoride	180,000	(b)	(b)	(b)	180,000
Sulfuric Acid Aerosol	110,000	(b)	(b)	(b)	110,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.1	0	0	0	0
PACs	1.8	0	0	0	1.8
Dioxins (grams)	0.6	0	0	0	1
Dioxins (ounces)	0.021	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	2,693,399	9,832	795,928	40,713	3,539,872

- Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.
(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.
(c) Toxic equivalent; see AEP.Com for further explanation.

Welsh: Toxics Release Inventory for 2008

Plant: Welsh, Pittsburg, Texas

Contact: Maximo Diaz Telephone (903) 853-5444

2008 Generation 10,344,025 megawatthours

2008 Coal Burn 12,456,808,000 pounds

Welsh Plant Estimated Releases for 2008 (Pounds)					
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	94	120	155	0	369
Arsenic	165	120	45	23	353
Barium	6,105	18,000	26,005	465	50,575
Beryllium	(a)	(a)	(a)	(a)	(a)
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	740	190	625	46,026	47,581
Cobalt	(a)	(a)	(a)	(a)	(a)
Copper	486	6,100	605	10,000	17,191
Lead	301	117	126	35	579
Manganese	1,450	330	3,005	4,600	9,385
Mercury	431	1	0	1	433
Nickel	910	720	765	18,000	20,395
Selenium	(a)	(a)	(a)	(a)	(a)
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	(a)	(a)	(a)	(a)	(a)
Vanadium	605	0	1,525	0	2,130
Zinc	1,805	360	665	0	2,830
Hydrochloric Acid Aerosol	52,000	(b)	(b)	(b)	52,000
Hydrogen Fluoride	180,000	(b)	(b)	(b)	180,000
Sulfuric Acid Aerosol	19,000	(b)	(b)	(b)	19,000
Ammonia	(a)	(a)	N/A	N/A	(a)
Chlorine	0	2,900	N/A	N/A	2,900
Benzo(g,h,i)perylene	0.2	0	0	0	0
PACs	3.9	0	0	0	3.9
Dioxins (grams)	1.2	0	0	0	1
Dioxins (ounces)	0.042	0	0	0	0
Dioxins (ounces TEQ) (c)	0	0	0	0	0
Totals	264,096	28,958	33,521	79,149	405,724

Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.

(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.

(c) Toxic equivalent; see AEP.Com for further explanation.