

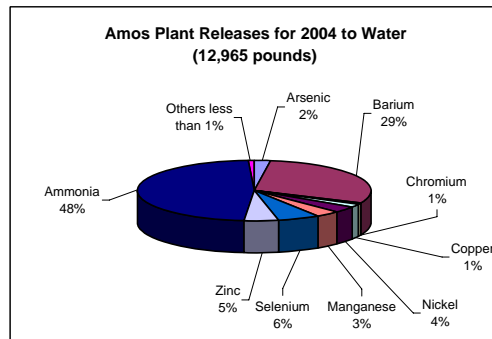
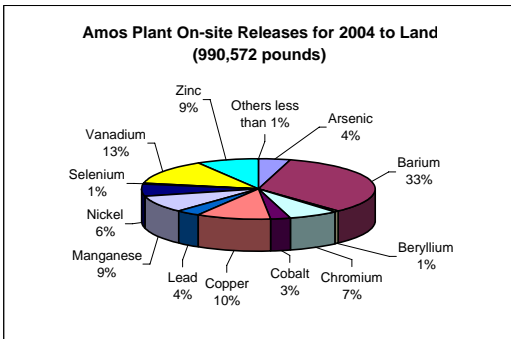
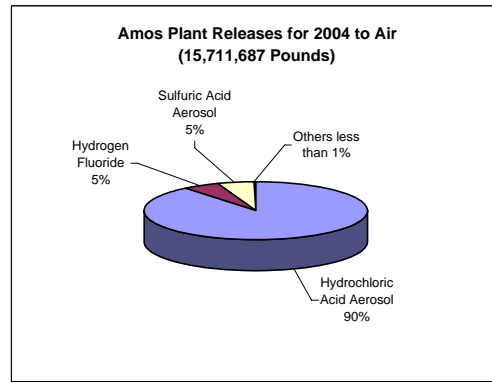
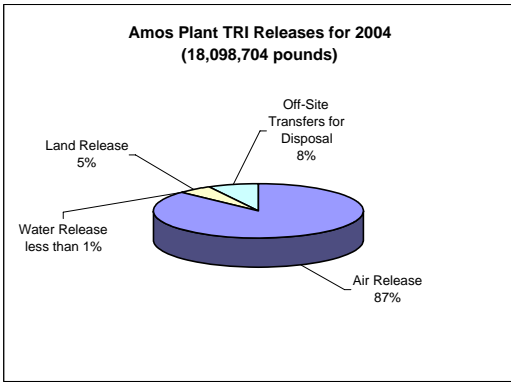
## Amos Plant: Toxics Release Inventory for 2004

Plant: Amos; Location: St. Albans, West Virginia  
 Contact Person: R. Joseph Haynes; Telephone: (304) 759-3430  
 2004 Generation -- 16,349,771 megawatthours; 2004 Coal Burned -- 13,226,956,000 pounds

**Amos Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	605	304	43,115	68,324	112,348
Barium Compounds	995	3,800	333,905	466,660	805,360
Beryllium Compounds	30	0	5,231	7,600	12,861
Chromium Compounds	1,110	118	68,495	96,324	166,047
Cobalt Compounds	245	70	28,195	39,000	67,510
Copper Compounds	730	194	100,455	120,000	221,379
Lead Compounds	555	45	35,498	54,544	90,643
Manganese Compounds	1,350	400	90,735	120,000	212,485
Mercury Compounds	745	0	229	363	1,337
Nickel Compounds	1,350	460	61,475	81,000	144,285
Selenium Compounds	20,005	773	6,129	9,667	36,574
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	1,005	0	130,815	190,000	321,820
Zinc Compounds	2,705	600	86,295	130,000	219,600
Hydrochloric Acid Aerosol	14,000,000	(b)	(b)	(b)	14,000,000
Hydrogen Fluoride	820,000	0	0	0	820,000
Sulfuric Acid Aerosol	860,000	(b)	(b)	(b)	860,000
Ammonia	250	6,200	0	0	6,450
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.24	0.00	0.00	0.00	0.24
PACs	6.00	0.00	0.00	0.00	6.00
Dioxins (ounces)	0.067	0.000	0.000	0.000	0.067
Dioxins (ounces TEQ) (c)	0.0025	0.0000	0.0000	0.0000	0.0025
Totals	15,711,687	12,965	990,572	1,383,482	18,098,704

Note: (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 2004

**Plant: Big Sandy; Location: Louisa, Kentucky**

**Contact Person: Jennifer Phelps; Telephone: (606) 686-2415 ext. 1316**

**2004 Generation -- 6,550,509 megawatthours; 2004 Coal Burned -- 5,215,118,000 pounds**

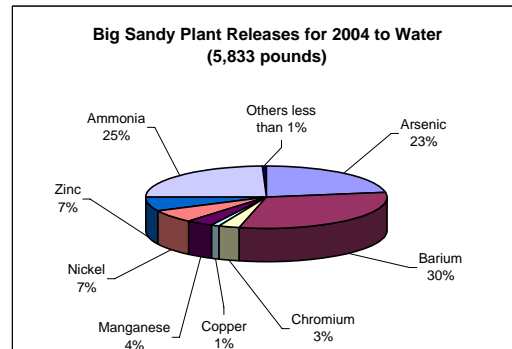
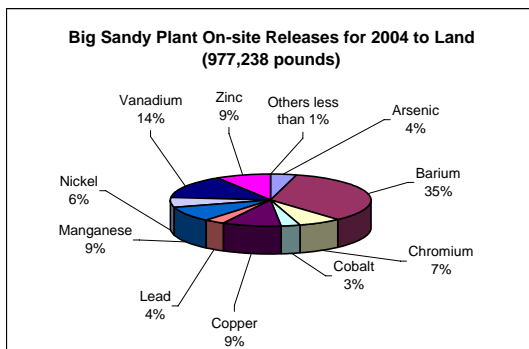
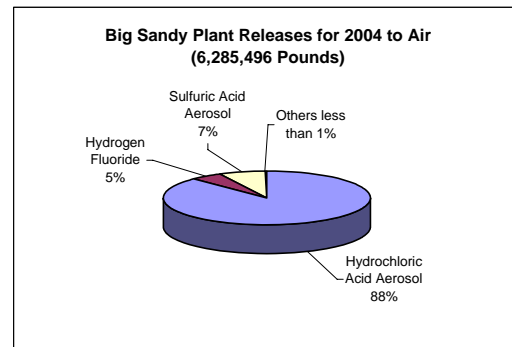
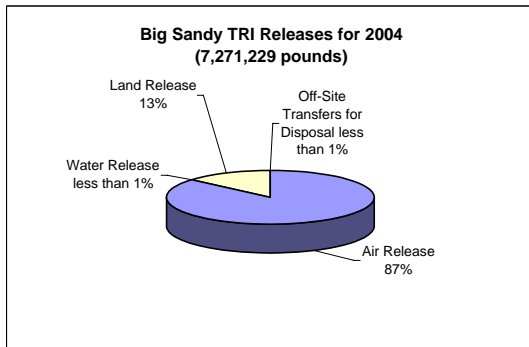
**Big Sandy Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	1,205	1,314	41,555	120	44,194
Barium Compounds	3,605	1,820	334,005	2,300	341,730
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	1,515	153	68,005	120	69,793
Cobalt Compounds	367	5	27,705	0	28,077
Copper Compounds	705	68	92,005	0	92,778
Lead Compounds	1,023	21	35,227	117	36,388
Manganese Compounds	1,310	210	92,005	0	93,525
Mercury Compounds	300	0	216	5	521
Nickel Compounds	1,003	396	60,005	0	61,404
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	1,705	0	140,005	0	141,710
Zinc Compounds	2,505	406	86,505	0	89,416
Hydrochloric Acid Aerosol	5,500,000	(b)	(b)	(b)	5,500,000
Hydrogen Fluoride	320,000	0	0	0	320,000
Sulfuric Acid Aerosol	450,000	(b)	(b)	(b)	450,000
Ammonia	250	1,440	0	0	1,690
Benzo(g,h,i)perylene	0.10	0.00	0.00	0.00	0.10
Chlorine	(a)	(a)	(a)	(a)	(a)
PACs	2.40	0.00	0.00	0.00	2.40
Dioxins (ounces)	0.026	0.000	0.000	0.000	0.026
Dioxins (ounces TEQ) (c)	0.0010	0.0000	0.0000	0.0000	0.0010
<b>Totals</b>	<b>6,285,496</b>	<b>5,833</b>	<b>977,238</b>	<b>2,662</b>	<b>7,271,229</b>

Note: (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 2004

**Plant: Cardinal; Location: Brilliant, Ohio**

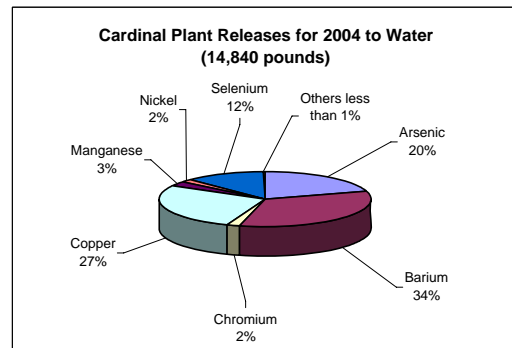
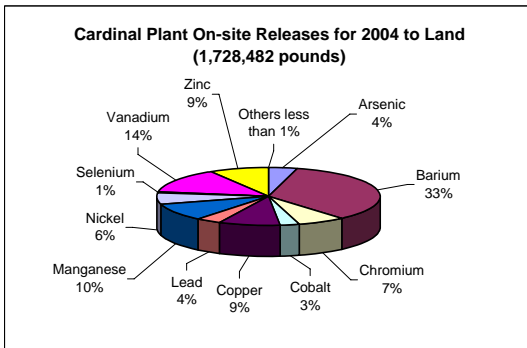
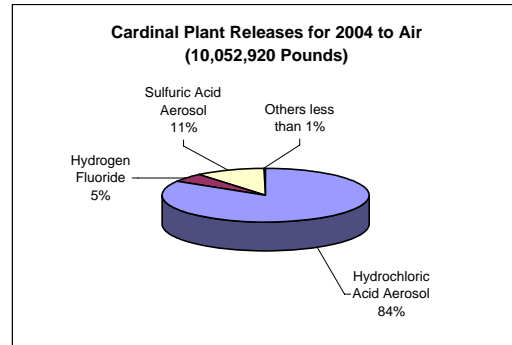
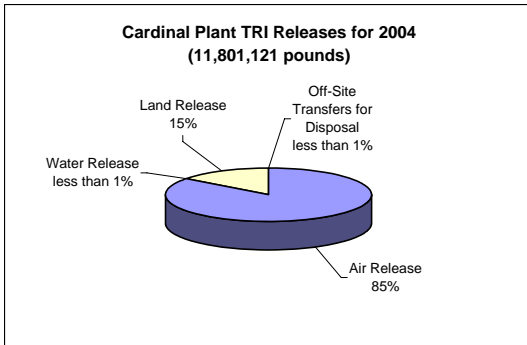
**Contact Person: Charles Hewett; Telephone: (740) 598-6511**

**2004 Generation -- 10,804,107 megawatthours; 2004 Coal Burned -- 8,762,090,000 pounds**

**Cardinal Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	615	3,001	70,575	210	74,401
Barium Compounds	1,105	5,006	596,005	4,200	606,316
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	781	281	120,005	210	121,277
Cobalt Compounds	225	0	50,905	0	51,130
Copper Compounds	600	4,022	152,005	0	156,627
Lead Compounds	549	1	61,607	208	62,364
Manganese Compounds	968	439	169,005	0	170,412
Mercury Compounds	689	0	306	8	1,002
Nickel Compounds	950	243	110,005	0	111,198
Selenium Compounds	13,005	1,802	9,255	42	24,104
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	975	1	241,005	0	241,981
Zinc Compounds	2,205	40	147,805	0	150,050
Hydrochloric Acid Aerosol	8,400,000	(b)	(b)	(b)	8,400,000
Hydrogen Fluoride	530,000	0	0	0	530,000
Sulfuric Acid Aerosol	1,100,000	(b)	(b)	(b)	1,100,000
Ammonia	250	5	0	0	255
Chlorine	(d)	(d)	(d)	(d)	(d)
Benzo(g,h,i)perylene	0.16	0.00	0.00	0.00	0.16
PACs	3.90	0.00	0.00	0.00	3.90
Dioxins (ounces)	0.044	0.000	0.000	0.000	0.044
Dioxins (ounces TEQ) (c)	0.0016	0.0000	0.0000	0.0000	0.0016
Totals	10,052,920	14,840	1,728,482	4,878	11,801,121

- Note: (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.  
 (d) A Form A was filed for this chemical at this facility; see AEP.Com for further explanation.



## Clinch River Plant: Toxics Release Inventory for 2004

**Plant: Clinch River; Location: Cleveland, Virginia**

**Contact Person: Ricky Chafin; Telephone: (540) 889-7314**

**2004 Generation -- 3,935,584 megawatthours; 2004 Coal Burned -- 3,163,296,000 pounds**

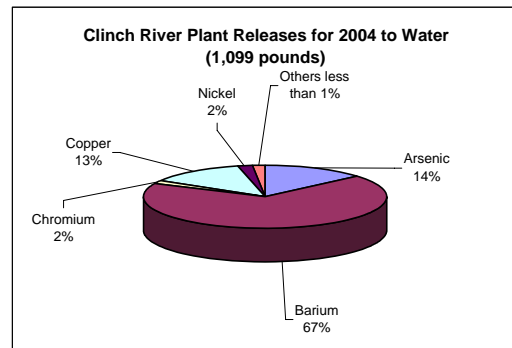
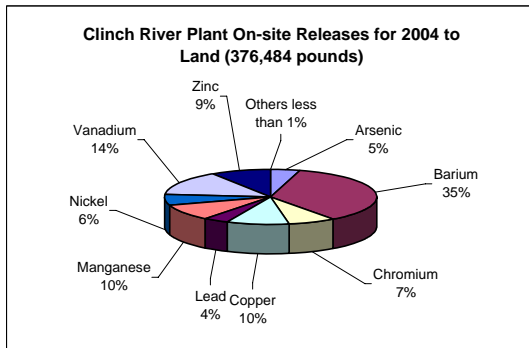
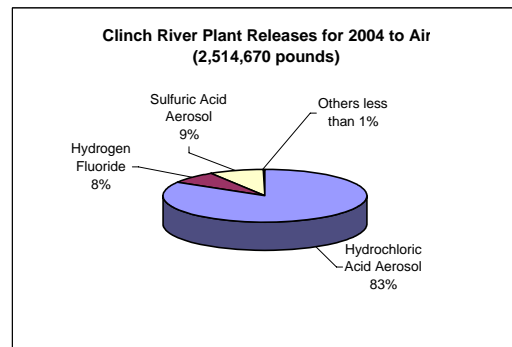
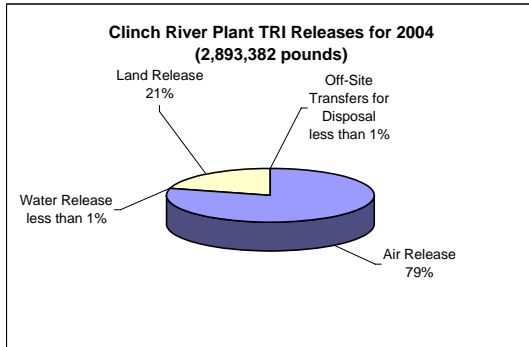
**Clinch River Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	345	150	30,105	49	30,649
Barium Compounds	855	751	233,005	980	235,591
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	395	18	47,005	49	47,467
Cobalt Compounds	(a)	(a)	(a)	(a)	(a)
Copper Compounds	275	140	62,905	0	63,320
Lead Compounds	300	17	24,458	49	24,824
Manganese Compounds	475	0	63,005	0	63,480
Mercury Compounds	139	0	101	2	242
Nickel Compounds	385	23	41,555	0	41,963
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	495	0	95,005	0	95,500
Zinc Compounds	1,005	0	60,052	0	61,057
Hydrochloric Acid Aerosol	2,100,000	(b)	(b)	(b)	2,100,000
Hydrogen Fluoride	190,000	0	0	0	190,000
Sulfuric Acid Aerosol	220,000	(b)	(b)	(b)	220,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.06	0.00	0.00	0.00	0.06
PACs	1.40	0.00	0.00	0.00	1.40
Dioxins (ounces)	0.016	0.000	0.000	0.000	0.016
Dioxins (ounces TEQ) (c)	0.0006	0.0000	0.0000	0.0000	0.0006
Totals	2,514,670	1,099	657,196	1,129	3,174,095

Note: (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.



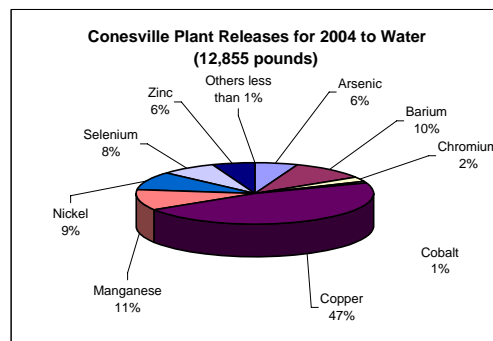
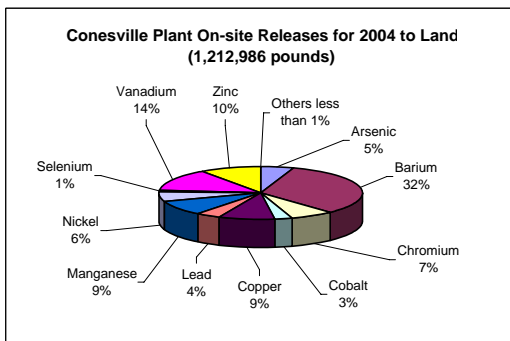
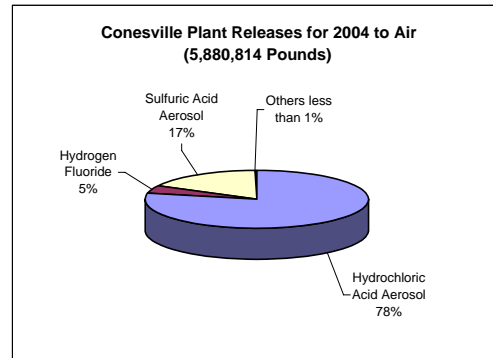
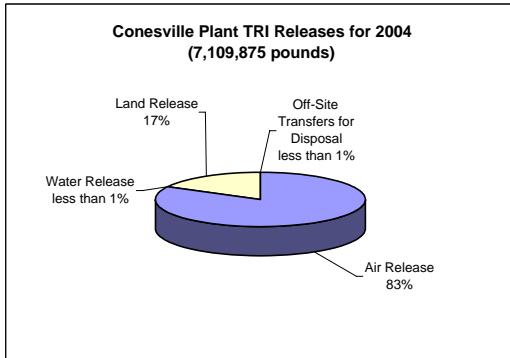
## Conesville Plant: Toxics Release Inventory for 2004

Plant: Conesville; Location: Conesville, Ohio  
 Contact Person: Robert Senita; Telephone: (740) 829-2378 ext. 4034  
 2004 Generation -- 9,022,674 megawatthours; 2004 Coal Burned -- 7,968,206,000 pounds

**Conesville Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	965	746	64,005	139	65,855
Barium Compounds	2,505	1,330	398,005	2,740	404,580
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	1,140	321	84,005	139	85,605
Cobalt Compounds	305	119	33,705	0	34,129
Copper Compounds	715	6,010	106,005	0	112,730
Lead Compounds	835	3	49,972	139	50,949
Manganese Compounds	1,228	1,405	111,005	0	113,638
Mercury Compounds	1,016	0	764	6	1,786
Nickel Compounds	1,086	1,221	69,005	0	71,312
Selenium Compounds	7,005	990	14,505	27	22,527
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	1,405	0	165,005	0	166,410
Zinc Compounds	2,605	741	117,005	0	120,351
Hydrochloric Acid Aerosol	4,600,000	(b)	(b)	(b)	4,600,000
Hydrogen Fluoride	270,000	0	0	0	270,000
Sulfuric Acid Aerosol	990,000	(b)	(b)	(b)	990,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.14	0.00	0.00	0.00	0.14
PACs	3.50	0.00	0.00	0.00	3.50
Dioxins (ounces)	0.039	0.000	0.000	0.000	0.039
Dioxins (ounces TEQ) (c)	0.0015	0.0000	0.0000	0.0000	0.0015
Totals	5,880,814	12,885	1,212,986	3,190	7,109,875

Note: (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 2004

Plant: Flint Creek; Location: Gentry, Arkansas

Contact Person: Dan Lee; Telephone: (501) 736-3511

2004 Generation -- 3,587,434 megawatthours; 2004 Coal Burned -- 4,310,650,000 pounds

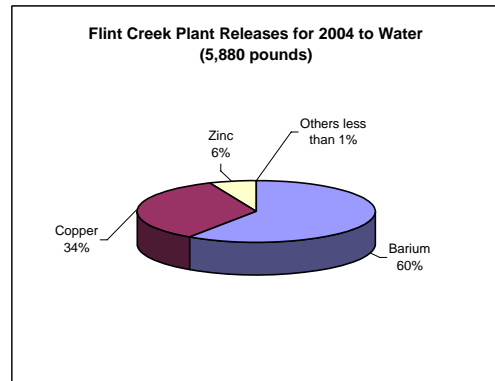
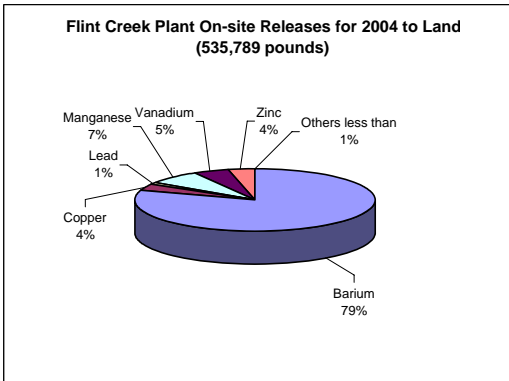
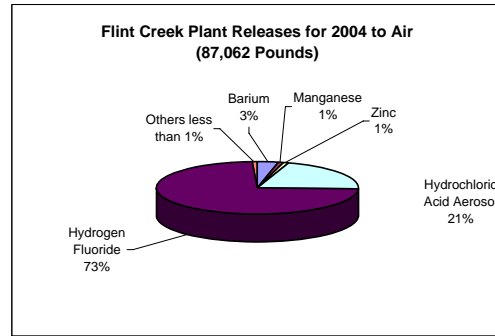
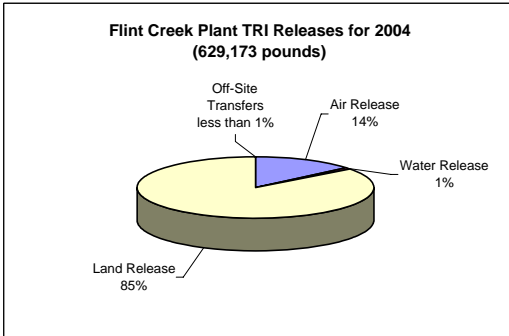
**Flint Creek Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	(a)	(a)	(a)	(a)	(a)
Barium Compounds	2,805	3,500	428,005	420	434,730
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	(a)	(a)	(a)	(a)	(a)
Cobalt Compounds	(a)	(a)	(a)	(a)	(a)
Copper Compounds	195	2,000	18,855	0	21,050
Lead Compounds	130	0	5,704	21	5,856
Manganese Compounds	740	0	39,205	0	39,945
Mercury Compounds	145	0	0	1	146
Nickel Compounds	(a)	(a)	(a)	(a)	(a)
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	315	0	25,105	0	25,420
Zinc Compounds	725	380	18,915	0	20,020
Hydrochloric Acid Aerosol	18,005	(b)	(b)	(b)	18,005
Hydrogen Fluoride	64,000	0	0	0	64,000
Sulfuric Acid Aerosol	(a)	(b)	(b)	(b)	(a)
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.06	0.00	0.00	0.00	0.06
PACs	1.40	0.00	0.00	0.00	1.40
Dioxins (ounces)	0.016	0.000	0.000	0.000	0.016
Dioxins (ounces TEQ) (c)	0.0006	0.0000	0.0000	0.0000	0.0006
Totals	87,062	5,880	535,789	442	629,173

Note: (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 2004

**Plant: Gavin; Location: Cheshire, Ohio**

**Contact Person: Don Anderson; Telephone: (740) 925-3170**

**2004 Generation -- 18,624,600 megawatthours; 2004 Coal Burned -- 14,849,548,000 pounds**

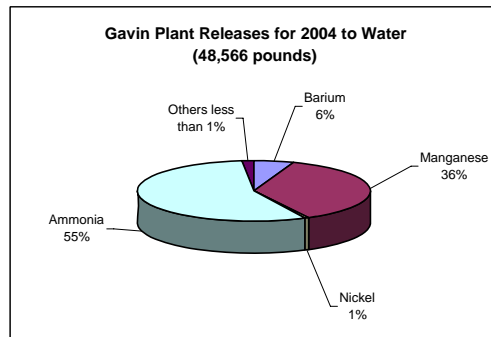
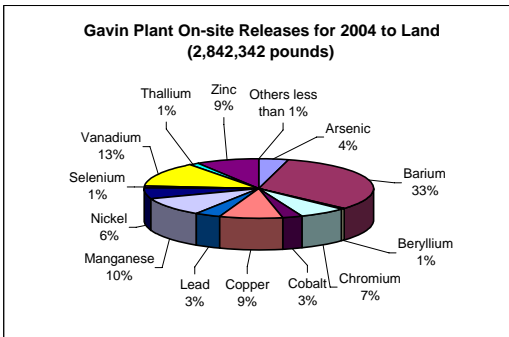
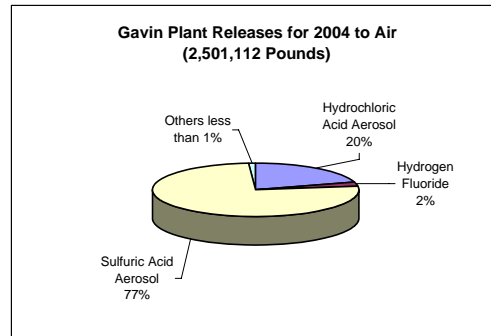
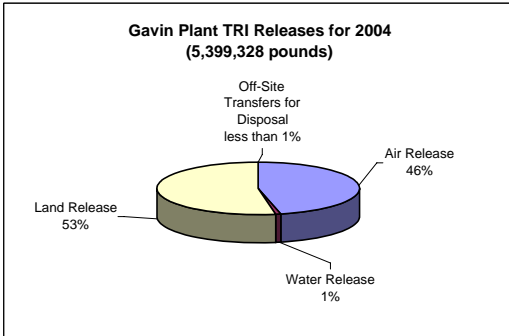
**Gavin Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	1,705	28	121,765	310	123,808
Barium Compounds	3,805	2,728	920,005	6,300	932,838
Beryllium Compounds	94	0	14,945	0	15,039
Chromium Compounds	2,150	116	190,005	310	192,581
Cobalt Compounds	565	185	78,905	0	79,655
Copper Compounds	1,405	152	257,005	0	258,562
Lead Compounds	1,505	9	99,319	313	101,146
Manganese Compounds	2,305	17,730	289,005	0	309,040
Mercury Compounds	460	1	953	13	1,426
Nickel Compounds	2,150	295	166,005	0	168,450
Selenium Compounds	4,905	115	37,035	63	42,118
Thallium Compounds	46	12	34,685	0	34,743
Vanadium Compounds	2,505	0	380,005	0	382,510
Zinc Compounds	5,005	181	252,705	0	257,891
Hydrochloric Acid Aerosol	510,000	(b)	(b)	(b)	510,000
Hydrogen Fluoride	61,000	0	0	0	61,000
Sulfuric Acid Aerosol	1,900,000	(b)	(b)	(b)	1,900,000
Ammonia	1,500	27,014	0	0	28,514
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.28	0.00	0.00	0.00	0.28
PACs	6.90	0.00	0.00	0.00	6.90
Dioxins (ounces)	0.077	0.000	0.000	0.000	0.077
Dioxins (ounces TEQ) (c)	0.0029	0.0000	0.0000	0.0000	0.0029
Totals	2,501,112	48,566	2,842,342	7,308	5,399,328

Note: (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.



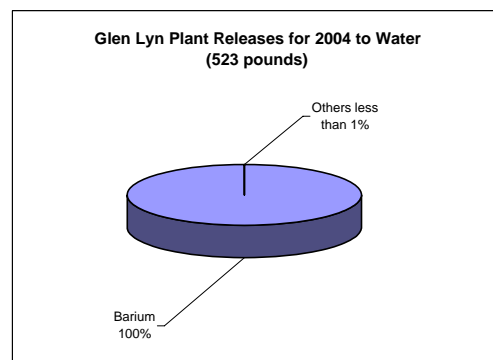
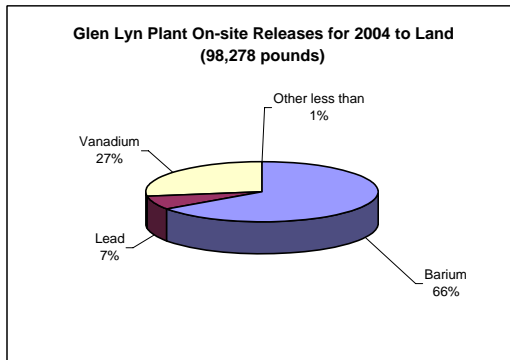
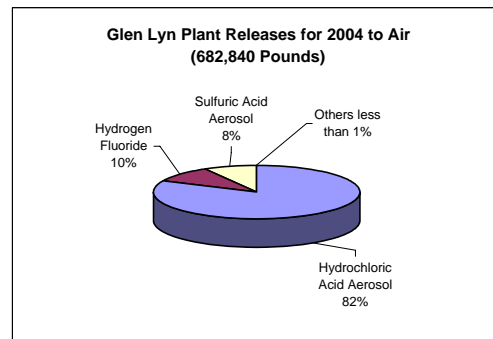
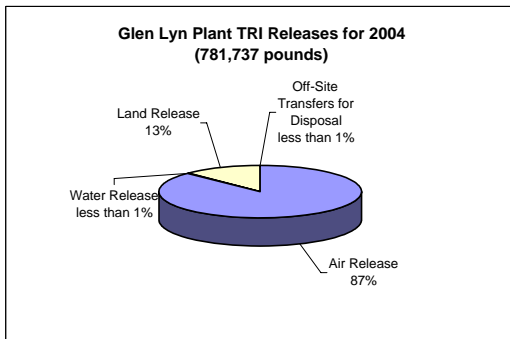
## Glen Lyn Plant: Toxics Release Inventory for 2004

Plant: Glen Lyn; Location: Glen Lyn, Virginia  
 Contact Person: Henry Parker; Telephone: (540) 726-1139  
 2004 Generation -- 1,291,797 megawatthours; 2004 Coal Burned -- 1,057,494,000 pounds

**Glen Lyn Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	(a)	(a)	(a)	(a)	(a)
Barium Compounds	405	523	64,205	91	65,224
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	(a)	(a)	(a)	(a)	(a)
Cobalt Compounds	(a)	(a)	(a)	(a)	(a)
Copper Compounds	(a)	(a)	(a)	(a)	(a)
Lead Compounds	131	0	7,143	5	7,279
Manganese Compounds	(a)	(a)	(a)	(a)	(a)
Mercury Compounds	48	0	25	0	74
Nickel Compounds	(a)	(a)	(a)	(a)	(a)
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	255	0	26,905	0	27,160
Zinc Compounds	(a)	(a)	(a)	(a)	(a)
Hydrochloric Acid Aerosol	560,000	(b)	(b)	(b)	560,000
Hydrogen Fluoride	65,000	0	0	0	65,000
Sulfuric Acid Aerosol	57,000	(b)	(b)	(b)	57,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.02	0.00	0.00	0.00	0.02
PACs	0.50	0.00	0.00	0.00	0.50
Dioxins (ounces)	0.006	0.000	0.000	0.000	0.006
Dioxins (ounces TEQ) (c)	0.0002	0.0000	0.0000	0.0000	0.0002
<b>Totals</b>	<b>682,840</b>	<b>523</b>	<b>98,278</b>	<b>96</b>	<b>781,737</b>

Note: (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 Plant: Toxics Release Inventory for 2004

**Plant: Kammer; Location: Moundsville, West Virginia**

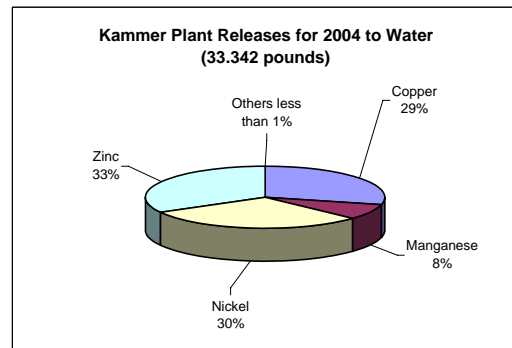
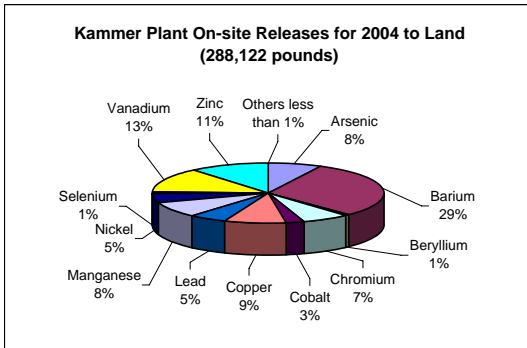
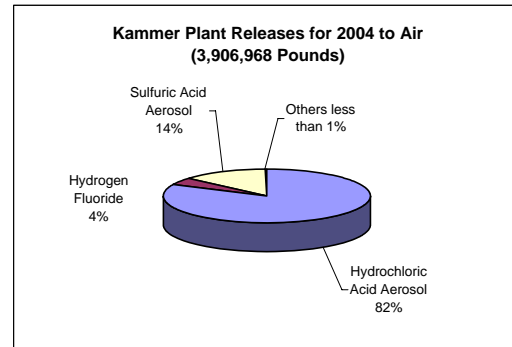
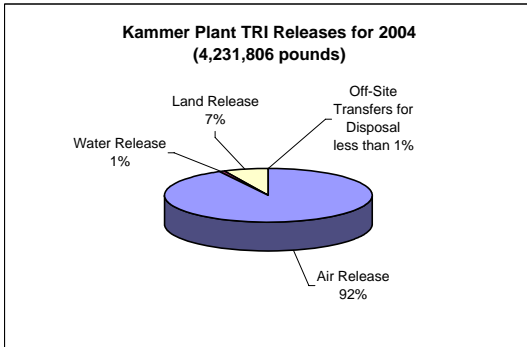
**Contact Person: Jeffrey Palmer; Telephone: (304) 843-6051**

**2004 Generation -- 3,510,512 megawatthours; 2004 Coal Burned -- 2,840,814,000 pounds**

**Kammer Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	105	0	22,005	146	22,256
Barium Compounds	155	41	87,005	2,901	90,102
Beryllium Compounds	9	0	1,605	0	1,614
Chromium Compounds	540	0	19,005	146	19,691
Cobalt Compounds	47	0	7,205	0	7,252
Copper Compounds	145	9,600	25,005	0	34,750
Lead Compounds	96	0	15,072	146	15,314
Manganese Compounds	205	2,700	24,005	0	26,910
Mercury Compounds	199	0	95	6	300
Nickel Compounds	460	10,000	14,005	0	24,465
Selenium Compounds	4,305	0	3,105	29	7,439
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	175	0	38,005	0	38,180
Zinc Compounds	525	11,000	32,005	0	43,530
Hydrochloric Acid Aerosol	3,200,000	(b)	(b)	(b)	3,200,000
Hydrogen Fluoride	170,000	0	0	0	170,000
Sulfuric Acid Aerosol	530,000	(b)	(b)	(b)	530,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(d)	(d)	(d)	(d)	(d)
Benzo(g,h,i)perylene	0.06	0.00	0.00	0.00	0.06
PACs	1.40	0.00	0.00	0.00	1.40
Dioxins (ounces)	0.015	0.000	0.000	0.000	0.015
Dioxins (ounces TEQ) (c)	0.0006	0.0000	0.0000	0.0000	0.0006
Totals	3,906,968	33,342	288,122	3,374	4,231,806

- Note: (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.  
 (d) A Form A was filed for this chemical at this facility; see AEP.Com for further explanation.



## Kanawha River Plant: Toxics Release Inventory for 2004

Plant: Kanawha River; Location: Glasgow, West Virginia

Contact Person: Michael Deemer; Telephone: (304) 595-3480 ext. 1208

2004 Generation -- 1,975,229 megawatthours; 2004 Coal Burned -- 1,609,292,000 pounds

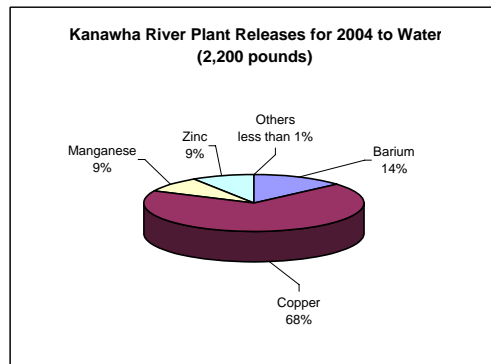
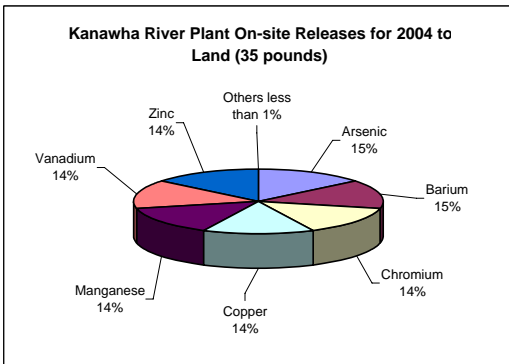
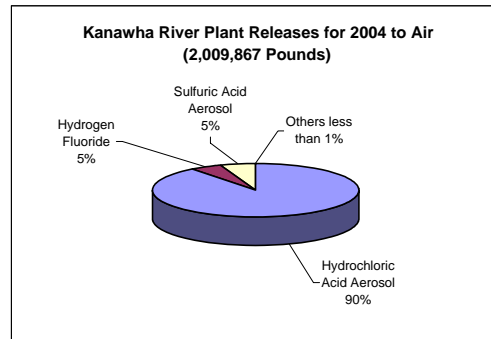
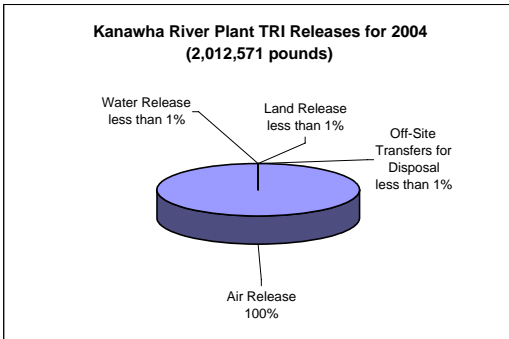
**Kanawha River Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	54	0	5	4	63
Barium Compounds	80	300	5	84	469
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	85	0	5	7	97
Cobalt Compounds	(a)	(a)	(a)	(a)	(a)
Copper Compounds	73	1,500	5	0	1,578
Lead Compounds	49	0	0	4	53
Manganese Compounds	102	200	5	0	307
Mercury Compounds	63	0	0	0	64
Nickel Compounds	(a)	(a)	(a)	(a)	(a)
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	95	N/A	5	370	470
Zinc Compounds	265	200	5	0	470
Hydrochloric Acid Aerosol	1,800,000	(b)	(b)	(b)	1,800,000
Hydrogen Fluoride	99,000	0	0	0	99,000
Sulfuric Acid Aerosol	110,000	(b)	(b)	(b)	110,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.03	0.00	0.00	0.00	0.03
PACs	0.73	0.00	0.00	0.00	0.73
Dioxins (ounces)	0.008	0.000	0.000	0.000	0.008
Dioxins (ounces TEQ) (c)	0.0003	0.0000	0.0000	0.0000	0.0003
Totals	2,009,867	2,200	35	469	2,012,571

Note: (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.



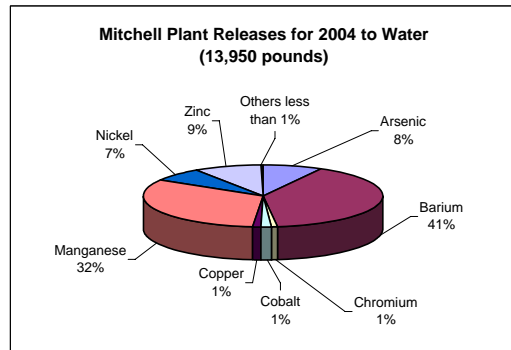
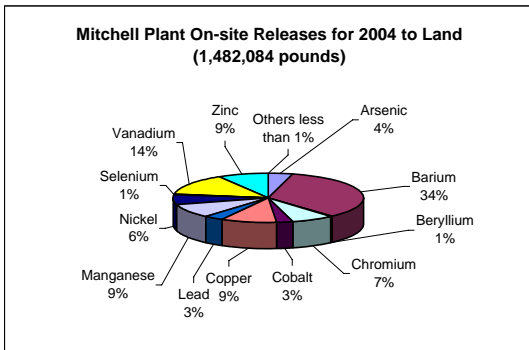
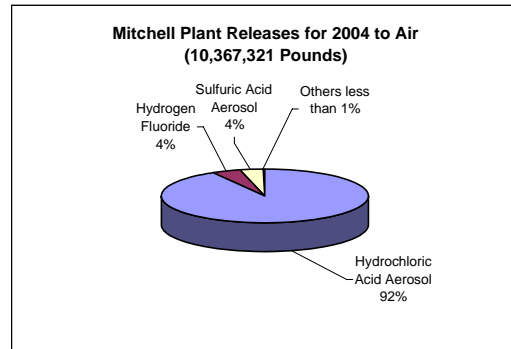
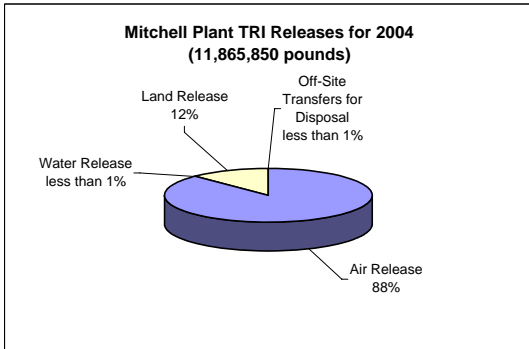
## Mitchell Plant: Toxics Release Inventory for 2004

Plant: Mitchell; Location: Moundsville, West Virginia  
 Contact Person: Jeffrey Palmer; Telephone: (304) 843-6051  
 2004 Generation -- 9,103,741 megawatthours; 2004 Coal Burned -- 7,193,380,000 pounds

**Mitchell Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	295	1,120	61,435	112	62,962
Barium Compounds	435	5,590	505,005	2,132	513,162
Beryllium Compounds	16	8	7,835	0	7,859
Chromium Compounds	680	108	103,405	112	104,305
Cobalt Compounds	135	185	43,005	0	43,325
Copper Compounds	365	150	139,205	0	139,720
Lead Compounds	290	16	51,652	108	52,066
Manganese Compounds	790	4,500	135,005	0	140,295
Mercury Compounds	347	0	287	9	643
Nickel Compounds	980	990	93,005	0	94,975
Selenium Compounds	11,005	2	9,235	21	20,263
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	575	0	207,005	0	207,580
Zinc Compounds	1,405	1,280	126,005	0	128,690
Hydrochloric Acid Aerosol	9,500,000	(b)	(b)	(b)	9,500,000
Hydrogen Fluoride	450,000	0	0	0	450,000
Sulfuric Acid Aerosol	400,000	(b)	(b)	(b)	400,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(d)	(d)	(d)	(d)	(d)
Benzo(g,h,i)perylene	0.14	0.00	0.00	0.00	0.14
PACs	3.40	0.00	0.00	0.00	3.40
Dioxins (ounces)	0.038	0.000	0.000	0.000	0.038
Dioxins (ounces TEQ) (c)	0.0014	0.0000	0.0000	0.0000	0.0014
Totals	10,367,321	13,950	1,482,084	2,494	11,865,850

Note: (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.  
 (d) A Form A was filed for this chemical at this facility; see AEP.Com for further explanation.



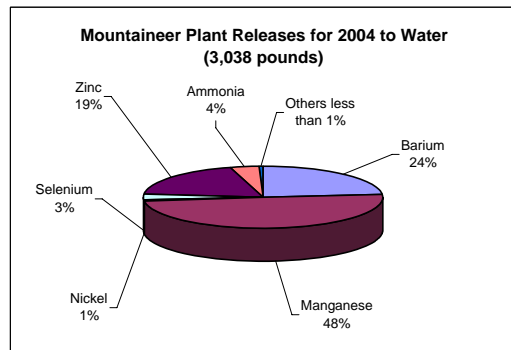
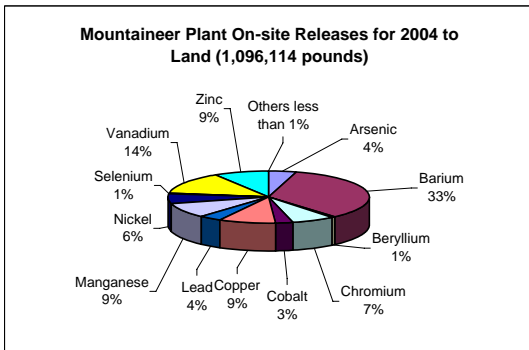
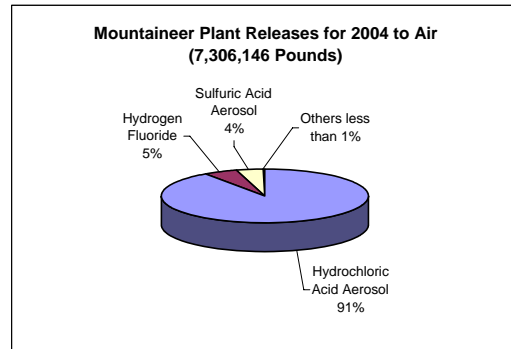
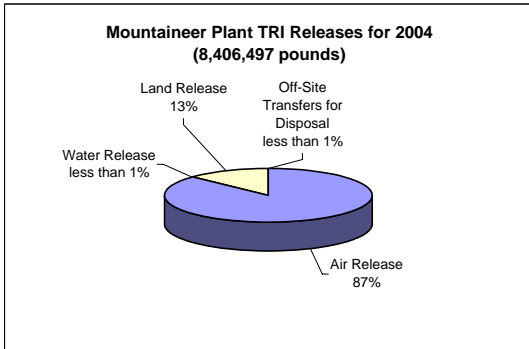
## Mountaineer Plant: Toxics Release Inventory for 2004

Plant: Mountaineer; Location: New Haven, West Virginia  
 Contact Person: Christopher B. Long; Telephone: (304) 882-4024  
 2004 Generation -- 8,267,917 megawatthours; 2004 Coal Burned -- 6,498,160,000 pounds

**Mountaineer Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	325	0	48,235	51	48,611
Barium Compounds	545	720	374,005	1,033	376,303
Beryllium Compounds	18	0	5,885	0	5,903
Chromium Compounds	700	0	76,405	51	77,156
Cobalt Compounds	135	0	31,105	0	31,240
Copper Compounds	365	16	101,105	0	101,486
Lead Compounds	298	0	39,792	52	40,141
Manganese Compounds	810	1,500	100,005	0	102,315
Mercury Compounds	232	0	189	2	423
Nickel Compounds	820	18	66,300	0	67,138
Selenium Compounds	9,705	94	7,173	10	16,982
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	535	0	148,805	0	149,340
Zinc Compounds	1,405	570	97,105	0	99,080
Hydrochloric Acid Aerosol	6,600,000	(b)	(b)	(b)	6,600,000
Hydrogen Fluoride	390,000	0	0	0	390,000
Sulfuric Acid Aerosol	300,000	(b)	(b)	(b)	300,000
Ammonia	250	120	5	0	375
Chlorine	(d)	(d)	(d)	(d)	(d)
Benzo(g,h,i)perylene	0.12	0.00	0.00	0.00	0.12
PACs	2.90	0.00	0.00	0.00	2.90
Dioxins (ounces)	0.032	0.000	0.000	0.000	0.032
Dioxins (ounces TEQ) (c)	0.0012	0.0000	0.0000	0.0000	0.0012
Totals	7,306,146	3,038	1,096,114	1,199	8,406,497

Note: (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.  
 (d) A Form A was filed for this chemical at this facility; see AEP.Com for further explanation.



## Muskingum River Plant: Toxics Release Inventory for 2004

Plant: Muskingum River; Location: Beverly, Ohio

Contact Person: James Ludwig; Telephone: (740) 984-3468

2004 Generation -- 7,959,231 megawatthours; 2004 Coal Burned -- 5,875,174,000 pounds

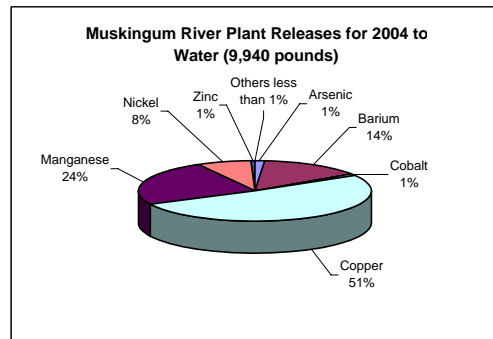
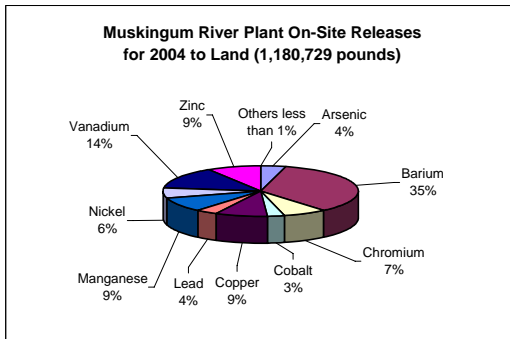
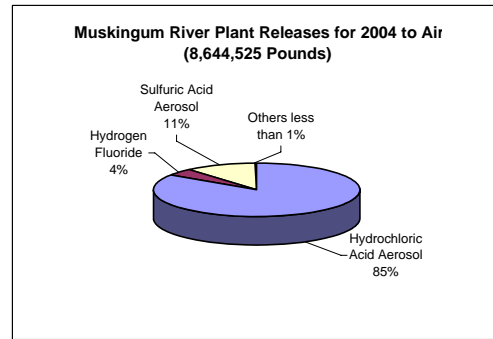
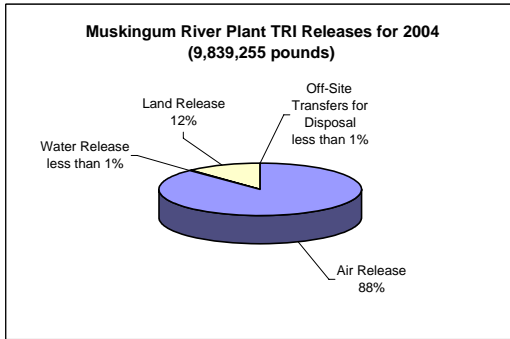
**Muskingum River Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	1,105	142	50,105	200	51,552
Barium Compounds	3,305	1,400	410,005	3,900	418,610
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	1,250	2	84,005	200	85,457
Cobalt Compounds	325	92	34,005	0	34,422
Copper Compounds	695	5,100	102,005	0	107,800
Lead Compounds	912	1	41,953	196	43,063
Manganese Compounds	1,550	2,400	111,005	0	114,955
Mercury Compounds	365	0	180	14	559
Nickel Compounds	1,005	750	74,005	0	75,760
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	1,505	0	169,005	0	170,510
Zinc Compounds	2,505	54	104,005	0	106,564
Hydrochloric Acid Aerosol	7,300,000	(b)	(b)	(b)	7,300,000
Hydrogen Fluoride	370,000	0	0	0	370,000
Sulfuric Acid Aerosol	960,000	(b)	(b)	(b)	960,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.12	0.00	0.00	0.00	0.12
PACs	2.90	0.00	0.00	0.00	2.90
Dioxins (ounces)	0.033	0.000	0.000	0.000	0.033
Dioxins (ounces TEQ) (c)	0.0012	0.0000	0.0000	0.0000	0.0012
Totals	8,644,525	9,940	1,180,279	4,510	9,839,255

Note: (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 2004

**Plant: Northeastern; Location: Oologah, Oklahoma**

**Contact Person: Gary Briggs; Telephone: (918) 581-0844**

**2004 Generation -- 8,347,227 megawatthours; 2004 Coal Burned -- 7,629,814,000 pounds**

**Northeastern Plant Estimated TRI Releases for 2004  
(pounds)**

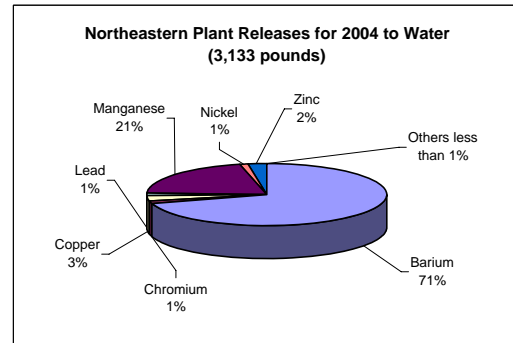
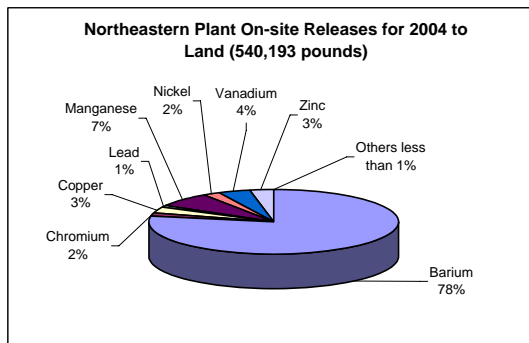
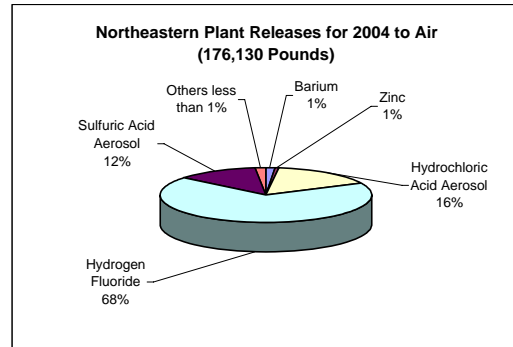
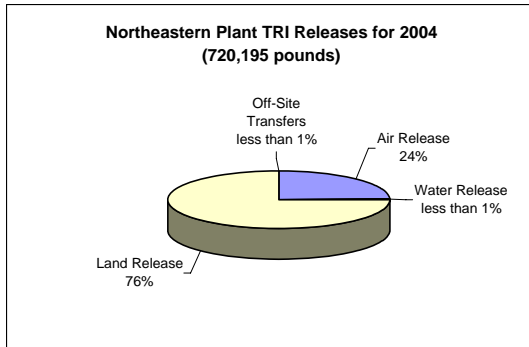
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	(a)	(a)	(a)	(a)	(a)
Barium Compounds	2,405	2,200	420,005	675	425,285
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	500	44	9,505	31	10,080
Cobalt Compounds	(a)	(a)	(a)	(a)	(a)
Copper Compounds	265	89	15,805	0	16,159
Lead Compounds	136	39	4,457	31	4,663
Manganese Compounds	830	650	40,005	0	41,485
Mercury Compounds	212	0	1	1	215
Nickel Compounds	590	37	10,805	0	11,432
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	255	0	23,805	0	24,060
Zinc Compounds	935	74	15,805	0	16,814
Hydrochloric Acid Aerosol	28,000	(b)	(b)	(b)	28,000
Hydrogen Fluoride	120,000	0	0	0	120,000
Sulfuric Acid Aerosol	22,000	(b)	(b)	(b)	22,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(d)	(d)	(d)	(d)	(d)
Benzo(g,h,i)perylene	0.10	0.00	0.00	0.00	0.10
PACs	2.50	0.00	0.00	0.00	2.50
Dioxins (ounces)	0.027	0.000	0.000	0.000	0.027
Dioxins (ounces TEQ) (c)	0.0010	0.0000	0.0000	0.0000	0.0010
Totals	176,130	3,133	540,193	738	720,195

Note: (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.

(d) A Form A was filed for this chemical at this facility; see AEP.Com for further explanation.



## Oklaunion Plant: Toxics Release Inventory for 2004

Plant: Oklaunion; Location: Vernon, Texas

Contact Person: Mark Barton; Telephone: (940) 886-2725

2004 Generation -- 4,681,563 megawatthours; 2004 Coal Burned -- 5,466,902,000 pounds

**Oklaunion Plant Estimated TRI Releases for 2004  
(pounds)**

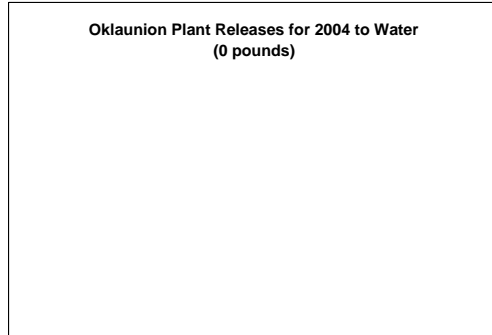
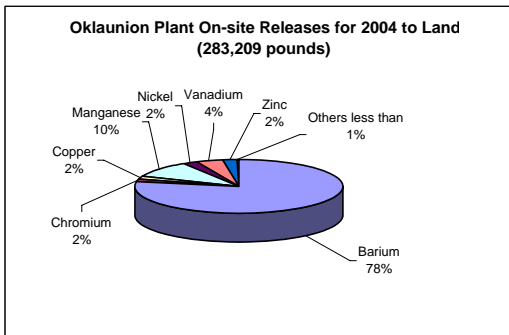
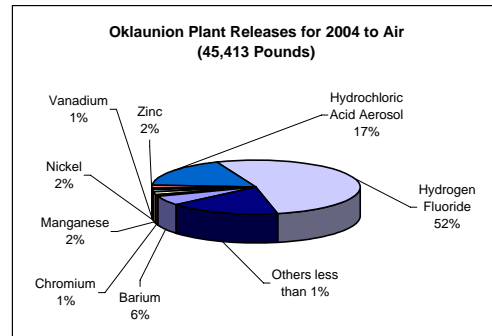
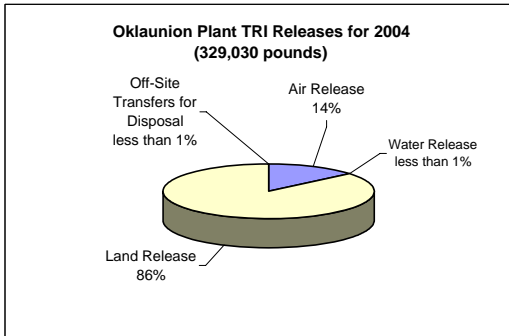
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	(a)	(a)	(a)	(a)	(a)
Barium Compounds	2,505	0	220,005	370	222,880
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	460	0	5,105	19	5,584
Cobalt Compounds	(a)	(a)	(a)	(a)	(a)
Copper Compounds	215	0	4,905	0	5,120
Lead Compounds	130	0	1,065	19	1,213
Manganese Compounds	760	0	28,005	0	28,765
Mercury Compounds	161	0	9	1	171
Nickel Compounds	710	0	6,205	0	6,915
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	355	0	12,005	0	12,360
Zinc Compounds	815	0	5,905	0	6,720
Hydrochloric Acid Aerosol	8,000	(b)	(b)	(b)	8,000
Hydrogen Fluoride	24,000	0	0	0	24,000
Sulfuric Acid Aerosol	7,300	(b)	(b)	(b)	7,300
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(d)	(d)	(d)	(d)	(d)
Benzo(g,h,i)perylene	0.07	0.00	0.00	0.00	0.07
PACs	1.70	0.00	0.00	0.00	1.70
Dioxins (ounces)	0.020	0.000	0.000	0.000	0.020
Dioxins (ounces TEQ) (c)	0.0007	0.0000	0.0000	0.0000	0.0007
Totals	45,413	0	283,209	408	329,030

Note: (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.

(d) A Form A was filed for this chemical at this facility; see AEP.Com for further explanation.



## Picway Plant: Toxics Release Inventory for 2004

**Plant: Picway; Location: Lockbourne, Ohio**

**Contact Person: Warren Jeffers; Telephone: (614) 835-3003**

**2004 Generation -- 314,077 megawatthours; 2004 Coal Burned -- 313,700,000 pounds**

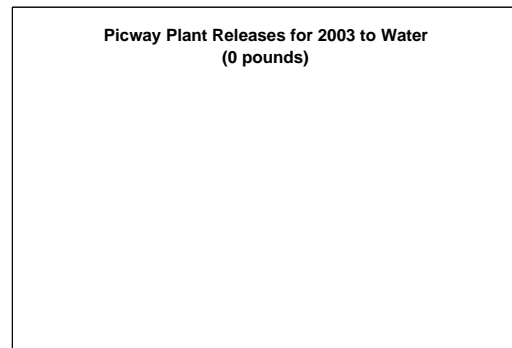
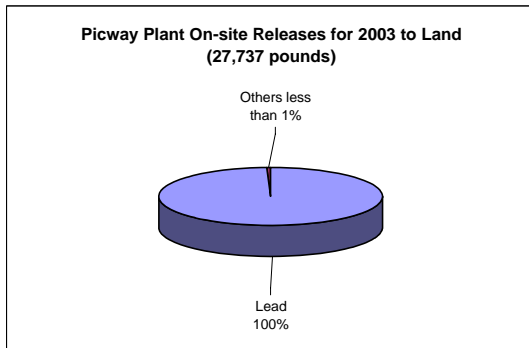
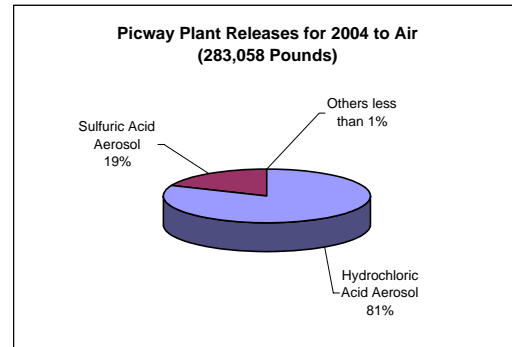
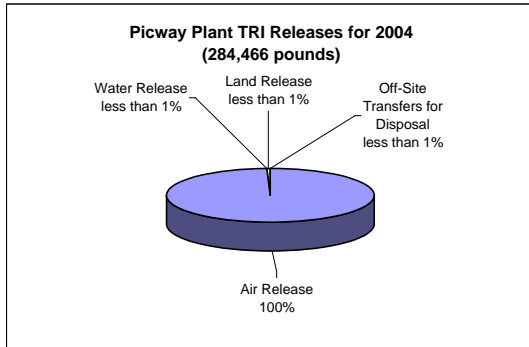
**Picway Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	(a)	(a)	(a)	(a)	(a)
Barium Compounds	(a)	(a)	(a)	(a)	(a)
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	(a)	(a)	(a)	(a)	(a)
Cobalt Compounds	(a)	(a)	(a)	(a)	(a)
Copper Compounds	(a)	(a)	(a)	(a)	(a)
Lead Compounds	26	0	1,391	10	1,428
Manganese Compounds	(a)	(a)	(a)	(a)	(a)
Mercury Compounds	31	0	6	0	38
Nickel Compounds	(a)	(a)	(a)	(a)	(a)
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	(a)	(a)	(a)	(a)	(a)
Zinc Compounds	(a)	(a)	(a)	(a)	(a)
Hydrochloric Acid Aerosol	230,000	(b)	(b)	(b)	230,000
Hydrogen Fluoride	(a)	(a)	(a)	(a)	(a)
Sulfuric Acid Aerosol	53,000	(b)	(b)	(b)	53,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.01	0.00	0.00	0.00	0.01
PACs	0.14	0.00	0.00	0.00	0.14
Dioxins (ounces)	(a)	(a)	(a)	(a)	(a)
Dioxins (ounces TEQ) (c)	(a)	(a)	(a)	(a)	(a)
<b>Totals</b>	<b>283,058</b>	<b>0</b>	<b>1,397</b>	<b>11</b>	<b>284,466</b>

Note: (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 2004

Plant: Pirkey; Location: Hallsville, Texas

Contact Person: Arne Melson; Telephone: (903) 927-5862

2004 Generation -- 5,145,542 megawatthours; 2004 Coal Burned -- 8,380,054,000 pounds

**Pirkey Plant Estimated TRI Releases for 2004  
(pounds)**

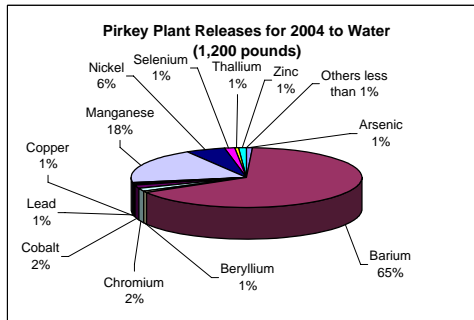
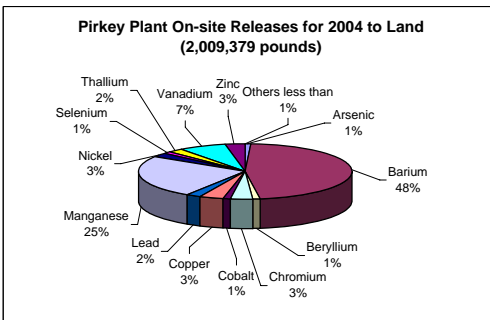
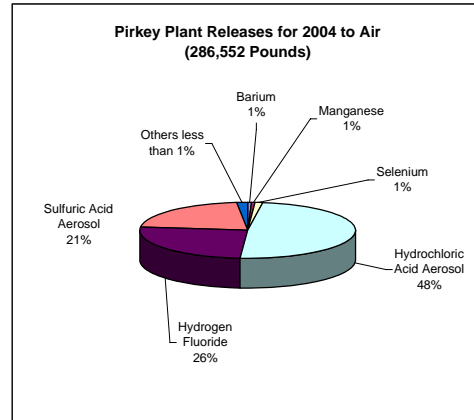
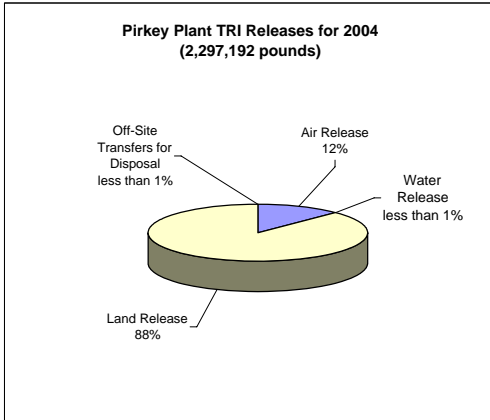
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	155	11	19,005	3	19,174
Barium Compounds	1,905	790	940,005	53	942,753
Beryllium Compounds	72	9	21,905	0	21,986
Chromium Compounds	640	20	68,005	3	68,668
Cobalt Compounds	105	19	25,505	0	25,629
Copper Compounds	275	11	68,005	0	68,291
Lead Compounds	356	7	47,625	3	47,990
Manganese Compounds	1,550	230	495,005	0	496,785
Mercury Compounds	1,121	0	484	0	1,605
Nickel Compounds	620	67	53,005	0	53,692
Selenium Compounds	3,305	15	20,215	1	23,536
Thallium Compounds	17	7	42,005	0	42,029
Vanadium Compounds	475	0	148,005	0	148,480
Zinc Compounds	955	14	60,605	0	61,574
Hydrochloric Acid Aerosol	140,000	(b)	(b)	(b)	140,000
Hydrogen Fluoride	74,000	0	0	0	74,000
Sulfuric Acid Aerosol	61,000	(b)	(b)	(b)	61,000
Ammonia	(d)	(d)	(d)	(d)	(a)
Chlorine	(d)	(d)	(d)	(d)	(d)
Benzo(g,h,i)perylene	0.08	0.00	0.00	0.00	0.08
PACs	2.10	0.00	0.00	0.00	2.10
Dioxins (ounces)	0.023	0.000	0.000	0.000	0.023
Dioxins (ounces TEQ) (c)	0.0008	0.0000	0.0000	0.0000	0.0008
Totals	286,552	1,200	2,009,379	61	2,297,192

Note: (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.

(d) A Form A was filed for this chemical at this facility; see AEP.Com for further explanation.



## Rockport Plant: Toxics Release Inventory for 2004

Plant: Rockport; Location: Rockport, Indiana

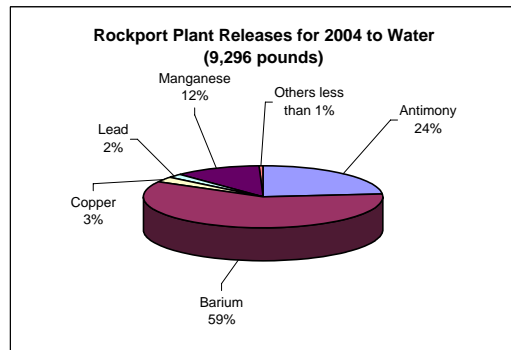
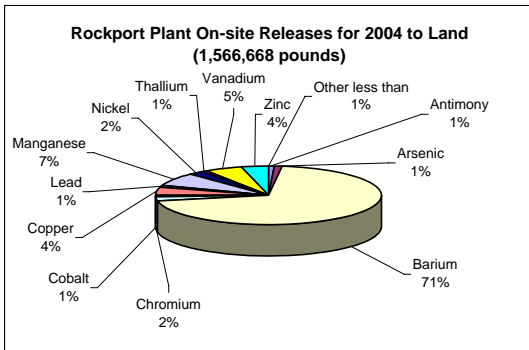
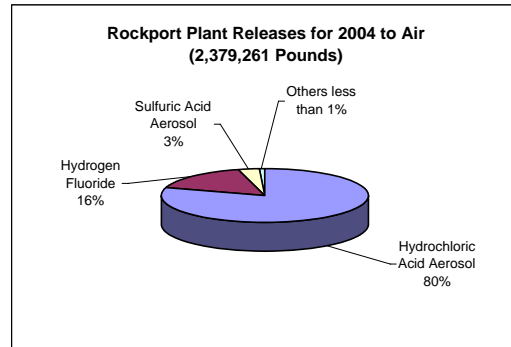
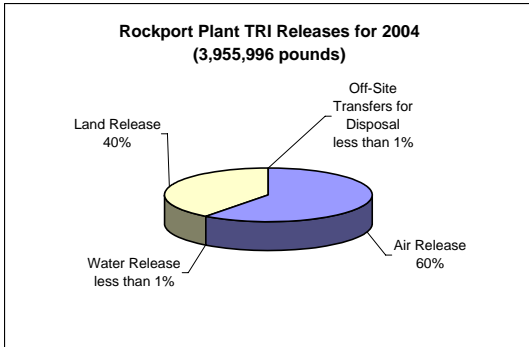
Contact Person: John LaGrange; Telephone: (812) 649-9171

2004 Generation -- 17,034,011 megawatthours; 2004 Coal Burned -- 18,518,990,000 pounds

**Rockport Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	135	2,205	13,775	0	16,115
Arsenic Compounds	315	0	16,105	33	16,454
Barium Compounds	7,405	5,508	1,096,005	670	1,109,588
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	1,020	11	34,705	33	35,769
Cobalt Compounds	205	4	14,205	0	14,414
Copper Compounds	755	277	68,005	0	69,037
Lead Compounds	461	167	20,361	33	21,022
Manganese Compounds	1,950	1,101	111,005	0	114,056
Mercury Compounds	846	0	81	1	929
Nickel Compounds	1,350	3	35,805	0	37,158
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	42	16	11,405	0	11,463
Vanadium Compounds	965	0	83,405	0	84,370
Zinc Compounds	2,805	5	61,805	0	64,615
Hydrochloric Acid Aerosol	1,900,000	(b)	(b)	(b)	1,900,000
Hydrogen Fluoride	380,000	0	0	0	380,000
Sulfuric Acid Aerosol	81,000	(b)	(b)	(b)	81,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.26	0.00	0.00	0.00	0.26
PACs	6.40	0.00	0.00	0.00	6.40
Dioxins (ounces)	0.071	0.000	0.000	0.000	0.071
Dioxins (ounces TEQ) (c)	0.0026	0.0000	0.0000	0.0000	0.0026
Totals	2,379,261	9,296	1,566,668	772	3,955,996

Note: (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.



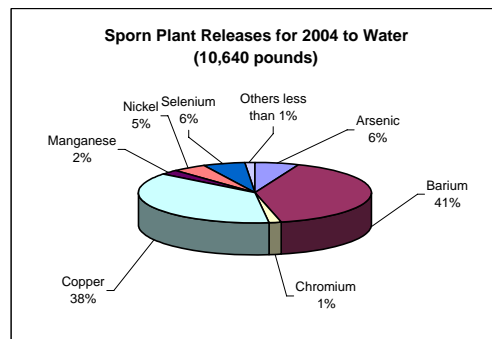
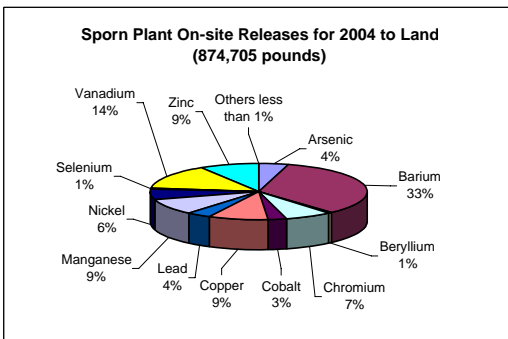
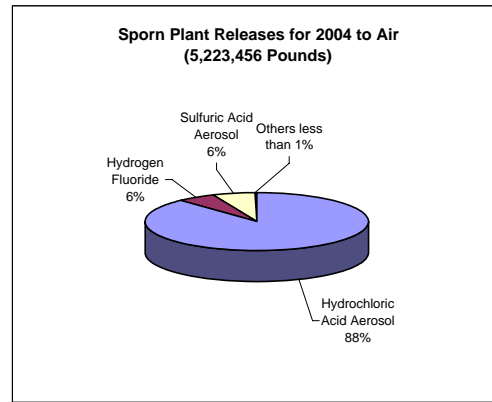
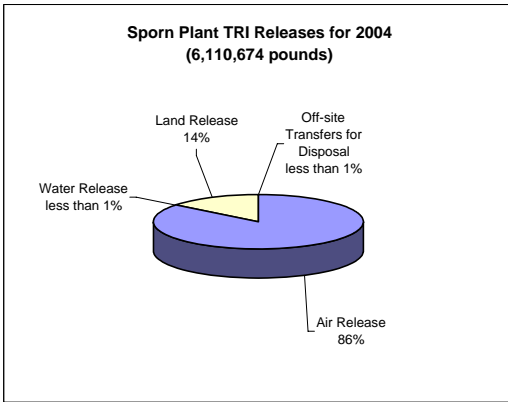
## Sporn Plant: Toxics Release Inventory for 2004

Plant: Sporn; Location: New Haven, West Virginia  
 Contact Person: Ginger MacKnight; Telephone: (304) 882-2126 ext. 1683  
 2004 Generation -- 5,660,799 megawatthours; 2004 Coal Burned -- 4,778,952,000 pounds

**Sporn Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	355	650	38,963	72	40,040
Barium Compounds	685	4,300	295,305	1,400	301,690
Beryllium Compounds	21	0	4,765	0	4,786
Chromium Compounds	680	150	60,995	72	61,897
Cobalt Compounds	135	0	25,260	0	25,395
Copper Compounds	335	4,000	77,105	0	81,440
Lead Compounds	315	0	32,244	312	32,870
Manganese Compounds	790	260	80,705	0	81,755
Mercury Compounds	254	0	177	3	433
Nickel Compounds	705	520	53,105	0	54,330
Selenium Compounds	7,205	620	5,321	14	13,160
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	665	0	122,005	0	122,670
Zinc Compounds	1,305	140	78,755	0	80,200
Hydrochloric Acid Aerosol	4,600,000	(b)	(b)	(b)	4,600,000
Hydrogen Fluoride	290,000	0	0	0	290,000
Sulfuric Acid Aerosol	320,000	(b)	(b)	(b)	320,000
Ammonia	5	0	0	0	5
Chlorine	(d)	(d)	(d)	(d)	(d)
Benzo(g,h,i)perylene	0.09	0.00	0.00	0.00	0.09
PACs	2.10	0.00	0.00	0.00	2.10
Dioxins (ounces)	0.024	0.000	0.000	0.000	0.024
Dioxins (ounces TEQ) (c)	0.0009	0.0000	0.0000	0.0000	0.0009
Totals	5,223,456	10,640	874,705	1,873	6,110,674

Note: (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.  
 (d) A Form A was filed for this chemical at this facility; see AEP.Com for further explanation.



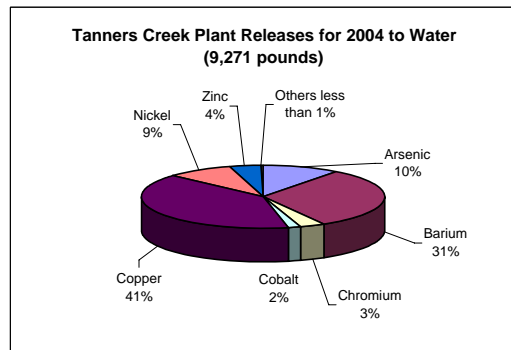
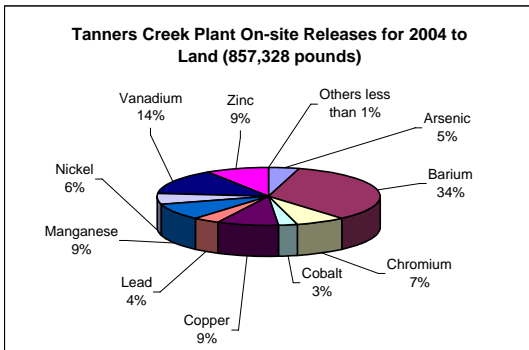
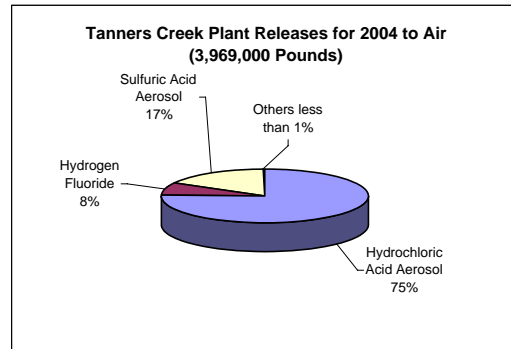
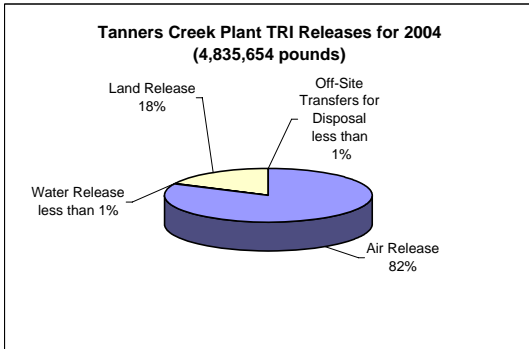
## Tanners Creek Plant: Toxics Release Inventory for 2004

Plant: Tanners Creek; Location: Lawrenceburg, Indiana  
 Contact Person: Sharon McFarland; Telephone: (812) 532-3124  
 2004 Generation -- 5,851,570 megawatthours; 2004 Coal Burned -- 5,159,852,000 pounds

**Tanners Creek Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	(a)	(a)	(a)	(a)	(a)
Arsenic Compounds	605	960	38,905	4	40,474
Barium Compounds	1,505	2,900	292,005	41	296,451
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	880	320	61,005	3	62,208
Cobalt Compounds	195	150	24,705	0	25,050
Copper Compounds	455	3,700	76,005	0	80,160
Lead Compounds	526	21	32,748	4	33,299
Manganese Compounds	1,040	0	80,005	1	81,046
Mercury Compounds	292	0	135	0	427
Nickel Compounds	910	820	52,805	0	54,535
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	885	0	121,005	0	121,890
Zinc Compounds	1,705	400	78,005	1	80,111
Hydrochloric Acid Aerosol	3,000,000	(b)	(b)	(b)	3,000,000
Hydrogen Fluoride	300,000	0	0	0	300,000
Sulfuric Acid Aerosol	660,000	(b)	(b)	(b)	660,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	0.09	0.00	0.00	0.00	0.09
PACs	2.20	0.00	0.00	0.00	2.20
Dioxins (ounces)	0.025	0.000	0.000	0.000	0.025
Dioxins (ounces TEQ) (c)	0.0009	0.0000	0.0000	0.0000	0.0009
Totals	3,969,000	9,271	857,328	55	4,835,654

Note: (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 Plant: Toxics Release Inventory for 2004

Plant: Welsh; Location: Pittsburg, Texas

Contact Person: Jim Trimble; Telephone (903) 855-5410

2004 Generation -- 10,396,591 megawatthours; 2004 Coal Burned -- 12,870,698,000 pounds

**Welsh Plant Estimated TRI Releases for 2004  
(pounds)**

Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony Compounds	215	210	3,125	0	3,550
Arsenic Compounds	515	170	1,015	16	1,716
Barium Compounds	30,005	24,000	468,005	326	522,336
Beryllium Compounds	(a)	(a)	(a)	(a)	(a)
Chromium Compounds	1,350	210	10,605	36	12,201
Cobalt Compounds	(a)	(a)	(a)	(a)	(a)
Copper Compounds	945	6,200	11,705	0	18,850
Lead Compounds	865	21	2,611	18	3,515
Manganese Compounds	2,950	250	51,205	0	54,405
Mercury Compounds	431	4	5	1	441
Nickel Compounds	1,450	900	13,105	11	15,466
Selenium Compounds	(a)	(a)	(a)	(a)	(a)
Thallium Compounds	(a)	(a)	(a)	(a)	(a)
Vanadium Compounds	1,705	0	26,805	0	28,510
Zinc Compounds	3,405	170	12,205	0	15,780
Hydrochloric Acid Aerosol	54,000	(b)	(b)	(b)	54,000
Hydrogen Fluoride	190,000	0	0	0	190,000
Sulfuric Acid Aerosol	53,000	(b)	(b)	(b)	53,000
Ammonia	(a)	(a)	(a)	(a)	(a)
Chlorine	5	3,000	0	0	3,005
Benzo(g,h,i)perylene	0.16	0.00	0.00	0.00	0.16
PACs	4.00	0.00	0.00	0.00	4.00
Dioxins (ounces)	0.045	0.000	0.000	0.000	0.045
Dioxins (ounces TEQ) (c)	0.0017	0.0000	0.0000	0.0000	0.0017
Totals	340,845	35,135	600,391	407	976,778

Note: (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.

