

Allen S. King Generating Plant
Oak Park Heights, Minn.

Allen S. King Generating Plant								
TRI Reportable Releases (pounds) (Dioxin in grams)								
	Air		Land/Impoundment		Water		Total	
Chemical	2012	2013	2012	2013	2012	2013	2012	2013
Hydrochloric Acid (aerosols)	4,500	2,000	0	0	0	0	4,500	2,000
Hydrogen Fluoride	5,800	1,700	0	0	0	0	5,800	1,700
Barium Compounds	675	465	710,005	560,015	160	160	710,840	560,640
Copper Compounds	74		21,005		0	0	21,079	
Lead Compounds	26.3	15.8	7,505	5,761	0	0	7,532	5,777
Manganese Compounds	125	184	30,000	19,648	0	0	30,125	19,832
Mercury Compounds	27.0	13.0	287.6	211.9	0	0	314.6	224.9
Vanadium Compounds	69	41	34,000	23,205	0	0	34,069	23,246
Zinc Compounds	280	200	20,016	18,426	0	0	20,296	18,626
Dioxin Compounds	0.62	0.39	0	0	0	0	0.62	0.39
Polycyclic Aromatic Compounds	1.5	1.1	0	0	0	0	1.5	1.1
Ammonia	144,500	150,00	0	0	450	86	144,950	152,386
Total	156,078	154,620	822,819	629,567	610	246	979,507	784,433

Dioxin compounds are reported in grams.

Changes from 2012 to 2013 are due to:

- Decreased coal throughput
- Fuel data based on 2014 analyses, was not averaged with prior years due to sample analysis issues. Estimated releases of metals were lower than in previous years.

Black Dog Generating Plant Burnsville, Minn.

Black Dog Generating Plant								
TRI Reportable Releases (pounds) (Dioxin in grams)								
	Air		Land/Impoundment		Water		Total	
Chemical	2012	2013	2012	2013	2012	2013	2012	2013
Hydrochloric Acid (aerosols)	10,000	6,300	0	0	0	0	10,000	6,300
Hydrogen Fluoride	23,000		0		0		23,000	
Barium Cmpds	2,016	1,716	172,005	137,005	32	3239	174,053	138,760
Lead Cmpds	62.3	83.1	2,782.6	2,031.5	0.5	0.6	2,845	2,115
Mercury Cmpds	67.9	54.0	7.3	6.2	0.0	0.0	75	60
Vanadium	97		6,300		5		6,402	
Dioxin Cmpds (grams)	0.26	0.21	0.00	0.00	0.00	0.00	0.26	0.21
Polycyclic Aromatic Compounds	0.5	0.4	0.0	0.0	0.0	0.0	0.5	0.4
Ammonia								
TOTALS	35,244	8,154	181,095	139,043	38	40	216,376	147,236

Dioxin compounds are reported in grams.

Changes from 2012 to 2013 are due to:

- Coal combustion decreases
- Variation in coal constituent variability

Note: With the retirement of Black Dog Units 3 and 4 in 2015, Black Dog will no longer be required to report after reporting year 2015.

Sherburne County (Sherco) Generating Plant
Becker, Minn.

Sherco Generating Plant								
TRI Reportable Releases (pounds)								
(Dioxin in grams)								
	Air		Land/Impoundment		Water		Total	
Chemical	2012	2013	2012	2013	2012	2013	2012	2013
Hydrochloric Acid (aerosols)	16,000	3,500	0	0	0	0	16,000	3,500
Hydrogen Fluoride	33,000	6,500	0	0	0	0	33,000	6,500
Sulfuric Acid (aerosols)	7,000	7,222	0	0	0	0	7,000	7,222
Barium Compounds	6,000	4,400	3,200,110	3,000,110	0	0	3,206,110	3,004,510
Chromium Compounds	245	235	28,005	40,005	0	0	28,250	40,240
Cobalt Compounds					0			
Copper Compounds	345	215	89,010	55,005	0	0	89,355	55,220
Lead Compounds	186	154	27,785	29,129	0	0	27,972	29,347
Manganese Compounds	1,127	1,007	340,005	410,005	0	0	341,132	411,012
Mercury Compounds	418	338	134.8	362.5	0	0	553	701
Nickel Compounds	315	255	29,005	29,005	0	0	29,320	29,260
Selenium Compounds					0			
Vanadium Compounds	325	245	110,005	100,005	0	0	110,330	100,250
Zinc Compounds	1,305	955	98,031	80,005	0	0	99,336	80,960
Benzo(g,h,i) perylene	0.5	0.2	0.10	0.80	0	0	0.6	1.0
Naphthalene	50	42	0	0		0	50	42
Dioxin Compounds	1.69	1.41	0	0	0	0	1.69	1.41
Polycyclic Aromatic Compounds	77.5	92.9	3.6	24.7	0	0	81	118
Ammonia	28,000	13,970	760	550	0	0	28,760	14,520
Molybdeum Trioxide					0			
Total	94,395	39,132	3,922,855	3,744,271	0	0	4,017,251	3,783,404

Dioxin compounds are reported in grams.

Changes from 2012 to 2013 are due to:

- Sherco Unit 3 offline 9 months in 2013, as a result molybdenum trioxide, selenium, and cobalt were not reportable
- Increased PAC releases due to increased #2 fuel oil consumption, increased paving
- Decreased ammonia releases due to lack of boiler chemical cleaning
- Increased benzo(g,h,i)perylene releases due to increased paving