BSW TRI Reportable Releases

Chemical Reported (in lbs)	BSW 98	BSW 99	BSW 00	BSW 01	BSW 02	BSW 03	BSW 04	BSW 05
Ammonia	-			19,000	2,500	3,200	3,000	6,500
Arsenic	2,112	2,000	1,300	1,500	870	1,300	1,500	930
Barium	3,228	4,200	3,400	3,500	1,600	4,100	5,200	3,453
Benzo (g,h,I) perylene			0	0	0	0	0	0
Beryllium	103	100	70	110	97	100	130	50
Chromium	1,946	2,000	2,000	2,000	740	3,000	3,700	2,400
Cobalt	950	980	540	860	760	690	850	970
Copper	6,561	8,200	6,600	5,000	3,100	6,200	7,000	4,800
Dioxin (in grams)			21	3	2	3	3	3
Lead	1,728	2,100	1,500	1,821	1,000	2,200	2,800	1,400
Manganese	1,002	880	910	1,400	940	990	1,300	1,200
Mercury (Threshold 10 lbs)			640	663	710	730	880	650
Molybdenum	755	650	610	700	350	910	1,100	670
Nickel	19,901	30,700	15,000	23,000	19,000	19,000	17,000	12,000
PAC			6	6	5	5	5	5
Selenium	16,470	18,000	17,000	18,000	13,000	16,000	16,000	15,000
Vanadium			7,800	19,000	21,000	4,600	11,000	15,000
Zinc	5,392	6,500	5,200	4,300	1,900	6,000	7,000	4,800
Hydrochloric Acid	9,600,000	10,630,000	11,000,000	12,000,000	9,200,000	11,000,000	9,800,000	10,000,000
Hydrofluoric Acid	490,000	531,000	540,000	580,000	440,000	510,000	510,000	510,000
Sulfuric Acid	1,300,000	1,358,000	800,000	1,300,000	1,100,000	1,200,000	1,200,000	1,200,000
Naphthalene	70	75	70	69	88	88	88	91
n-Hexane							0	0
Totals, lbs	11,450,218	12,595,385	12,402,646	13,980,929	10,807,660	12,779,113	11,588,553	11,779,919
lbs/MW	1	1	1	1	1	1	1	1
Coal Used (tons)	4,468,962	4,569,941	4,553,914	4,577,415	3,964,302	4,658,601	4,624,096	4,754,194
No. 2 Oil (gal)	2,007,684	1,879,122	1,768,284	1,840,944	2,913,918	1,938,972	1,894,284	1,794,215
No. 6 Oil Used (gal)	65,433,312	80,505,306	37,652,286	57,915,690	57,385,524	49,049,700	58,903,178	70,293,427
Kerosene (gal)								
Natural Gas (Used MCF)	2,117,846	1,901,058	772,714	435,230	362,060	275,440	329,743	343,014
Megawatt hours, (x1,000)	12,414	12,647	11,914	12,004	9,458	11,983	11,724	11,951

2001 Comments:

Ammonia releases are due to SCR operation estimated from stack slip testing.

Decrease in dioxin is due primarily to revised emission factors.

Increase in vanadium due to increase in #6 fuel usage.

Sulfuric acid aerosol emissions were calculated using the revised Southern Company Method which allows for equipment and fuel specific corrections including the impact of the SCRs, sulfur injection, magox fuel additive, etc.

2003 Comments:

Fluctuation in metals is largely due to reporting of on-site IWWT sludge at Wagner. Can no longer use temporary storage exemption (stored on-site for > 1 year).

2005 Comments:

Updated coal and oil composition data with updated EPRI numbers.

Utilized the newly released Southern Company Method for estimating ammonia releases.

Updated IWWT release estimates with data from latest permit renewal.

Adjusted stored sludge numbers to reflect 2005 additions only.

C. P. Crane TRI Reportable Releases

Chemical Reported (in lbs)	CPC 98	CPC 99	CPC 00	CPC 01	CPC 02	CPC 03	CPC 04
Ammonia							
Arsenic							
Barium	470	460	760	750	490	530	950
Benzo (g,h,I) perylene							
Beryllium							
Chromium	213	180	270	280	210	230	290
Cobalt							
Copper	134	140	180	195	150	160	190
Dioxin (in grams)			1	0	0	0	0
Lead				213	160	170	270
Manganese	234	170	370	390	280	310	390
Mercury (Threshold 10 lbs)			41	42	82	99	84
Molybdenum							
Nickel	184	150	260	270	210	220	260
PAC							
Selenium							
Vanadium			400	400	290	310	450
Zinc	624	860					
Hydrochloric Acid	1,700,000	1,757,000	1,900,000	2,100,000	1,800,000	2,000,000	1,700,000
Hydrofluoric Acid	87,000	91,850	100,000	110,000	93,000	100,000	87,000
Sulfuric Acid	36,000	38,300	38,000	79,000	80,000	79,000	71,000
Naphthalene	10	14			15	17	
n-Hexane							
Totals, lbs	1,824,869	1,889,124	2,040,282	2,291,540	1,974,888	2,181,046	1,860,884
lbs/MW	1	1	1	1	1	1	1
Coal Used (tons)	716,308	802,175	841,083	844,864	842,064	907,760	785,023
No. 2 Oil (gal)	721,518	578,970	444,528	433,230	458,262	433,230	286,986
No. 6 Oil Used (gal)							
Kerosene (gal)							
Natural Gas (Used MCF)							
Megawatt hours, (x1,000)	1,997	2,315	2,188	2,241	2,264	2,336	2,200

Gould Street TRI Reportable Releases

Chemical Reported (in lbs)	GS 98	GS 99	GS 00	GS 01	GS 02	GS 03
Ammonia						
Arsenic						
Barium						
Benzo (g,h,I) perylene			0	0		0
Beryllium						
Chromium						
Cobalt						
Copper						
Dioxin (in grams)				0		
Lead				732	833	
Manganese						
Mercury (Threshold 10 lbs)						
Molybdenum						
Nickel						
PAC			0	0	0	0
Selenium						
Vanadium						
Zinc						
Hydrochloric Acid						
Hydrofluoric Acid						
Sulfuric Acid	32,000		46,000	20,000	22,000	
Naphthalene						
Totals, lbs	32,000		46,000	20,732	22,833	-
lbs/MW	0		0	0	0	-
Coal Used (tons)						
No. 2 Oil (gal)						
No. 6 Oil Used (gal)	4,742,472	3,561,516	7,058,688	13,169,142	14,984,424	2,544,864
Kerosene (gal)						
Natural Gas (Used MCF)	928,147	788,573	271,624	268,035	30,947	1,980
Megawatt hours, (x1,000)	138	112	106	190	193	32
2001 Comments:						
Significant increase in generation increased releases.						
New lead reporting threshold of 100 lbs.						
Lower sulfuric acid aerosol releases due to use of revised Southern Company Method						
which accounts for reductions from air preheater and use of magnesium oxide fuel additive.						
2003 Comments:						
Releases are significantly lower in 2003 because Gould St. was shut down after January.						
2004 - Retired - did not operate						

Perryman TRI Reportable Releases

Chemical Reported (in lbs)	PY 98	PY 99	PY 00	PY 01	PY 02	PY 03	PY 04
Ammonia					Did Not Exceed 20,000 Manhours		
Arsenic							
Barium							
Benzo (g,h,I) perylene							
Beryllium							
Chromium							
Cobalt							
Copper							
Dioxin (in grams)							
Lead							
Manganese							
Mercury (Threshold 10 lbs)				14			10
Molybdenum							
Nickel							
PAC			1	88		59	68
Selenium							
Vanadium							
Zinc							
Hydrochloric Acid							
Hydrofluoric Acid							
Sulfuric Acid							
Naphthalene	20	3	20	92		70	74
n-Hexane							0
Totals, lbs	20	3	21	194		129	152
lbs/MW	0	0	0	0	-	0	0
Coal Used (tons)							
No. 2 Oil (gal)	4,260,228	2,508,744	4,234,902	15,845,256	8,478,204	10,690,092	12,190,920
No. 6 Oil Used (gal)							
Kerosene (gal)							
Natural Gas (Used MCF)	2,086,606	757,701	1,155,891	1,396,050	1,107,250	0	0
Megawatt hours, (x1,000)	235	92	151	309	138	100	138

Riverside TRI Reportable Releases						
Chemical Reported (in lbs)	**Riv 98**	**Riv 99**	**Riv 00**	**Riv 01**	**Riv 02**	**Riv 03**
Ammonia						
Arsenic						
Barium						
Benzo (g,h,I) perylene						
Beryllium						
Chromium						
Cobalt						
Copper						
Dioxin (in grams)						
Lead						
Manganese						
Mercury (Threshold 10 lbs)						
Molybdenum						
Nickel						
PAC				9	9	
Selenium						
Vanadium						
Zinc						
Hydrochloric Acid						
Hydrofluoric Acid						
Sulfuric Acid						
Naphthalene	4	4	1	9	10	7
Totals, lbs	4	4	1	18	19	7
lbs/MW	0	0	0	0	0	0
Coal Used (tons)						
No. 2 Oil (gal)	408,996	386,610	281,232	671,538	522,018	751,674
No. 6 Oil Used (gal)						
Kerosene (gal)	604,422	98,616	686,784	894,516	1,221,780	240,282
Natural Gas (Used MCF)	641,461	824,572	222,001	537,774	485,969	125,148
Megawatt hours, (x1,000)	58	62	21	62	48	12
2001 Comments:						
2001 increase in napthalene and PAC releases are due to the use of						
new emissions factors for combustion turbines.						
2004 - Did not exceed 20,000 manhours reporting threshold.						

Riverside TRI Reportable Releases

Chemical Reported (in lbs)	OPP 02	OPP 03
Ammonia		
Arsenic		
Barium		
Benzo (g,h,I) perylene		
Beryllium		
Chromium		
Cobalt		
Copper		
Dioxin (in grams)		
Lead		
Manganese		
Mercury (Threshold 10 lbs)		
Molybdenum		
Nickel		
PAC	26	40
Selenium		
Vanadium		
Zinc		
Hydrochloric Acid		
Hydrofluoric Acid		
Sulfuric Acid		
Naphthalene		
Totals, lbs	26	40
lbs/MW	0	0
Coal Used (tons)		
No. 2 Oil (gal)	4,656,526	7,250,000
No. 6 Oil Used (gal)		
Kerosene (gal)		
Natural Gas (Used MCF)	3,775,788	8,702,886
Megawatt hours, (x1,000)	401	904