

Riverside
Title V Emissions Inventory
For the Year

2005

CEMS Values

Tons
SOx 2464.60
lbs/mmBtu
NOx 0.273
YR mmBtu
6,710,448
915.98 Tons

Emission Point	001	Emission Unit	1	Natural Gas				001	Total	Boiler 9
Boiler 9	Coal									
Actual Throughput	379,127.20	Tons			24.27	MMcf				
	8618 Ave	Btu/lb								
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	Pollutant	Tons/Yr
PM10	3.0800E-02	lb/mmBtu	0.00	100.63	7.6000E+00	lb/MMcf	0.00	0.09	PM10	100.72
PM	4.6000E-02	lb/mmBtu	0.00	150.30	7.6000E+00	lb/MMcf	0.00	0.09	PM	150.39
SOx		CEM Value		2,464.60	CEM	CEM		0.00	SOx	2,464.60
NOx		CEM Value		915.98	CEM	CEM		0.00	NOx	915.98
VOC	6.0000E-02	lb/ton		11.37	5.5000E+00	lb/MMcf		0.07	VOC	11.44
CO	5.0000E-01	lb/ton		94.78	2.4000E+01	lb/MMcf		0.29	CO	95.07
Lead	NA								Lead	0.00
Antimony	1.8000E-05	lb/ton		0.00					7440360 Antimony	0.00
Arsenic compounds	4.1000E-04	lb/ton		0.08					7440382 Arsenic compounds	0.08
Beryllium compounds	2.1000E-05	lb/ton		0.00					7440417 Beryllium compounds	0.00
Cadmium compounds	5.1000E-05	lb/ton		0.01					7440439 Cadmium compounds	0.01
Chromium compounds	3.3900E-04	lb/ton		0.06					7440473 Chromium compounds	0.06
Cobalt	1.0000E-04	lb/ton		0.02					7440484 Cobalt	0.02
Cyanide	2.5000E-03	lb/ton		0.47					Cyanide	0.47
Hydrochloric acid	1.2997E-01	lb/ton		24.64					7647010 Hydrochloric acid	24.64
Hydrogen fluoride	6.9112E-02	lb/ton		13.10					7664393 Hydrogen fluoride	13.10
Lead compounds	4.2000E-04	lb/ton		0.08					Lead compounds	0.08
Manganese compounds	4.9000E-04	lb/ton		0.09					7439965 Manganese compounds	0.09
Mercury compounds	1.0663E-04	lb/ton		0.02					7439976 Mercury compounds	0.02
Nickel compounds	2.8000E-04	lb/ton		0.05					7440020 Nickel compounds	0.05
POM	2.4000E-06	lb/mmBtu		0.01					POM	0.01
Radionuclides	9.5000E-02	lb/ton PM		0.01					Radionuclides	0.01
Selenium compounds	1.3000E-03	lb/ton		0.25					7782492 Selenium compounds	0.25
Acetaldehyde	5.7000E-04	lb/ton		0.11					75070 Acetaldehyde	0.11
Acetophenone	1.5000E-05	lb/ton		0.00					98862 Acetophenone	0.00
Acrolein	2.9000E-04	lb/ton		0.05					107028 Acrolein	0.05
Benzene	1.3000E-03	lb/ton		0.25					71432 Benzene	0.25
Benzyl Chloride	7.0000E-04	lb/ton		0.13					100447 Benzyl Chloride	0.13
Di(2-ethylhexyl)phthalate	7.3000E-05	lb/ton		0.01					117817 Di(2-ethylhexyl)phthalate	0.01
Bromoform	3.9000E-05	lb/ton		0.01					75252 Bromoform	0.01
Carbon Disulfide	1.3000E-04	lb/ton		0.02					75150 Carbon Disulfide	0.02
2-Chloroacetophenone	7.0000E-06	lb/ton		0.00					532274 2-Chloroacetophenone	0.00
Chlorobenzene	2.2000E-05	lb/ton		0.00					108907 Chlorobenzene	0.00
Chloroform	5.9000E-05	lb/ton		0.01					67663 Chloroform	0.01
Cumene	5.3000E-06	lb/ton		0.00					98828 Cumene	0.00
Dimethyl Sulfate	4.8000E-05	lb/ton		0.01					77781 Dimethyl Sulfate	0.01
Ethylbenzene	9.4000E-05	lb/ton		0.02					100414 Ethylbenzene	0.02
Chloroethane	4.2000E-05	lb/ton		0.01					75003 Chloroethane	0.01
1,2-Dichloroethane	4.0000E-05	lb/ton		0.01					107062 1,2-Dichloroethane	0.01

Formaldehyde	2.4000E-04 lb/ton	0.05	7.5000E-02 lb/MMcf	0.00	50000 Formaldehyde	0.05
Hexane	6.7000E-05 lb/ton	0.01	1.8000E+00 lb/MMcf	0.02	110543 Hexane	0.03
Isophorone	5.8000E-04 lb/ton	0.11			78591 Isophorone	0.11
Methyl Tert Butyl Ether	3.5000E-05 lb/ton	0.01			1634044 Methyl Tert Butyl Ether	0.01
Bromomethane	1.6000E-04 lb/ton	0.03			74839 Bromomethane	0.03
Methyl Chloride	5.3000E-04 lb/ton	0.10			74873 Methyl Chloride	0.10
Methyl Ethyl Ketone	3.9000E-04 lb/ton	0.07			78933 Methyl Ethyl Ketone	0.07
Methyl Hydrazine	1.7000E-04 lb/ton	0.03			60344 Methyl Hydrazine	0.03
Methyl Methacrylate	2.0000E-05 lb/ton	0.00			80626 Methyl Methacrylate	0.00
Dichloromethane	2.9000E-04 lb/ton	0.05			75092 Dichloromethane	0.05
Phenol	1.6000E-05 lb/ton	0.00			108952 Phenol	0.00
Propionaldehyde	3.8000E-04 lb/ton	0.07			123386 Propionaldehyde	0.07
Styrene	2.5000E-05 lb/ton	0.00			100425 Styrene	0.00
Tetrachloroethaylene	4.3000E-05 lb/ton	0.01			127184 Tetrachloroethaylene	0.01
Toluene	2.4000E-04 lb/ton	0.05			108883 Toluene	0.05
1,1,1 Trichloroethane	2.0000E-05 lb/ton	0.00			71556 1,1,1 Trichloroethane	0.00
Vinyl Acetate	7.6000E-06 lb/ton	0.00			108054 Vinyl Acetate	0.00
Xylene	3.7000E-05 lb/ton	0.01			1330207 Xylene	0.01

WasteOil			
Actual Throughput	0.00 1000 gal	% Ash	0
		% sulfur	0
Pollutant	Emission Factor	Units	Control Eff Tons/Yr
PM10	5.1000E+01	lb/1000 gal	95.00 0.00
PM	6.1000E+01	lb/1000 gal	95.00 0.00
SOx	CEM	CEM	0.00
NOx	CEM	CEM	0.00
VOC	1.0000E+00	lb/1000 gal	0.00
CO	5.0000E+00	lb/1000 gal	0.00
Lead compounds	1.6800E+00	lb/1000 gal	0.00

Emission Point	001	Emission Unit	2	Natural Gas						001	Total	Boiler 8
Boiler 8	Coal											
Actual Throughput	68,531.11 Tons				143.69 MMcf							
	8618 Ave Btu/lb	% Sulfur	0.36									
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	Pollutant	Tons/Yr		
PM10	3.0800E-02	lb/mmBtu	0.00	18.19	7.60E+00	lb/MMcf	0.00	0.55	PM10	18.74		
PM	4.6000E-02	lb/mmBtu	0.00	27.17	7.60E+00	lb/MMcf	0.00	0.55	PM	27.72		
SOx	3.5000E+01	lb/ton/%S		431.75	6.00E-01	lb/MMcf		0.04	SOx	431.79		
NOx	1.2000E+01	lb/ton		411.19	2.80E+02	lb/MMcf		20.12	NOx	431.31		
VOC	6.0000E-02	lb/ton		2.06	5.50E+00	lb/MMcf		0.40	VOC	2.46		
CO	5.0000E-01	lb/ton		17.13	8.40E+01	lb/MMcf		6.03	CO	23.16		
Lead	NA								Lead	0.00		
Antimony	1.8000E-05	lb/ton		0.00					7440360 Antimony	0.00		
Arsenic compounds	4.1000E-04	lb/ton		0.01					7440382 Arsenic compounds	0.01		
Beryllium compounds	2.1000E-05	lb/ton		0.00					7440417 Beryllium compounds	0.00		
Cadmium compounds	5.1000E-05	lb/ton		0.00					7440439 Cadmium compounds	0.00		
Chromium compounds	3.3900E-04	lb/ton		0.01					7440473 Chromium compounds	0.01		
Cobalt	1.0000E-04	lb/ton		0.00					7440484 Cobalt	0.00		
Cyanide	2.5000E-03	lb/ton		0.09					Cyanide	0.09		
Hydrochloric acid	1.2997E-01	lb/ton		4.45					7647010 Hydrochloric acid	4.45		
Hydrogen fluoride	6.9112E-02	lb/ton		2.37					7664393 Hydrogen fluoride	2.37		
Lead compounds	4.2000E-04	lb/ton		0.01					Lead compounds	0.01		
Manganese compounds	4.9000E-04	lb/ton		0.02					7439965 Manganese compounds	0.02		
Mercury compounds	1.0663E-04	lb/ton		0.00					7439976 Mercury compounds	0.00		
Nickel compounds	2.8000E-04	lb/ton		0.01					7440020 Nickel compounds	0.01		
POM	2.0800E-06	lb/mmBtu		0.00					POM	0.00		
Radionuclides	9.5000E-02	lb/ton PM		0.00					Radionuclides	0.00		
Selenium compounds	1.3000E-03	lb/ton		0.04					7782492 Selenium compounds	0.04		
Acetaldehyde	5.7000E-04	lb/ton		0.02					75070 Acetaldehyde	0.02		
Acetophenone	1.5000E-05	lb/ton		0.00					98862 Acetophenone	0.00		
Acrolein	2.9000E-04	lb/ton		0.01					107028 Acrolein	0.01		
Benzene	1.3000E-03	lb/ton		0.04					71432 Benzene	0.04		
Benzyl Chloride	7.0000E-04	lb/ton		0.02					100447 Benzyl Chloride	0.02		
Di(2-ethylhexyl)phthalate	7.3000E-05	lb/ton		0.00					117817 Di(2-ethylhexyl)phthalate	0.00		
Bromoform	3.9000E-05	lb/ton		0.00					75252 Bromoform	0.00		
Carbon Disulfide	1.3000E-04	lb/ton		0.00					75150 Carbon Disulfide	0.00		
2-Chloroacetophenone	7.0000E-06	lb/ton		0.00					532274 2-Chloroacetophenone	0.00		
Chlorobenzene	2.2000E-05	lb/ton		0.00					108907 Chlorobenzene	0.00		
Chloroform	5.9000E-05	lb/ton		0.00					67663 Chloroform	0.00		
Cumene	5.3000E-06	lb/ton		0.00					98828 Cumene	0.00		

Dimethyl Sulfate	4.8000E-05 lb/ton	0.00
Ethylbenzene	9.4000E-05 lb/ton	0.00
Chloroethane	4.2000E-05 lb/ton	0.00
1,2-Dichloroethane	4.0000E-05 lb/ton	0.00
Formaldehyde	2.4000E-04 lb/ton	0.01
Hexane	6.7000E-05 lb/ton	0.00
Isophorone	5.8000E-04 lb/ton	0.02
Methyl Tert Butyl Ether	3.5000E-05 lb/ton	0.00
Bromomethane	1.6000E-04 lb/ton	0.01
Methyl Chloride	5.3000E-04 lb/ton	0.02
Methyl Ethyl Ketone	3.9000E-04 lb/ton	0.01
Methyl Hydrazine	1.7000E-04 lb/ton	0.01
Methyl Methacrylate	2.0000E-05 lb/ton	0.00
Dichloromethane	2.9000E-04 lb/ton	0.01
Phenol	1.6000E-05 lb/ton	0.00
Propionaldehyde	3.8000E-04 lb/ton	0.01
Styrene	2.5000E-05 lb/ton	0.00
Tetrachloroethaylene	4.3000E-05 lb/ton	0.00
Toluene	2.4000E-04 lb/ton	0.01
1,1,1 Trichloroethane	2.0000E-05 lb/ton	0.00
Vinyl Acetate	7.6000E-06 lb/ton	0.00
Xylene	3.7000E-05 lb/ton	0.00

7.5000E-02 lb/MMcf
1.8000E+00 lb/MMcf

0.01
0.13

77781 Dimethyl Sulfate	0.00
100414 Ethylbenzene	0.00
75003 Chloroethane	0.00
107062 1,2-Dichloroethane	0.00
50000 Formaldehyde	0.02
110543 Hexane	0.13
78591 Isophorone	0.02
1634044 Methyl Tert Butyl Ether	0.00
74839 Bromomethane	0.01
74873 Methyl Chloride	0.02
78933 Methyl Ethyl Ketone	0.01
60344 Methyl Hydrazine	0.01
80626 Methyl Methacrylate	0.00
75092 Dichloromethane	0.01
108952 Phenol	0.00
123386 Propionaldehyde	0.01
100425 Styrene	0.00
127184 Tetrachloroethaylene	0.00
108883 Toluene	0.01
71556 1,1,1 Trichloroethane	0.00
108054 Vinyl Acetate	0.00
1330207 Xylene	0.00

WasteOil

Actual Throughput	0.00 1000 gal	% Ash	0
		% sulfur	0
Pollutant	Emission Factor Units	Control Eff	Tons/Yr
PM10	5.1000E+01 lb/1000 gal	95.00	0.00
PM	6.1000E+01 lb/1000 gal	95.00	0.00
SOx	1.4700E+02 lb/1000 gal		0.00
NOx	2.0000E+01 lb/1000 gal		0.00
VOC	1.0000E+00 lb/1000 gal		0.00
CO	5.0000E+00 lb/1000 gal		0.00
Lead compounds	1.6800E+00 lb/1000 gal		0.00

Emission Point	001	Emission Unit	3	Natural Gas							
Boiler 7	Coal			146.623 MMcf							
Actual Throughput	42,098.03 Tons										
	8618 Ave Btu/lb	% Sulfur	0.36								
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	Pollutant	Total Tons/Yr	Boiler 7
PM10	3.0800E-02	lb/mmBtu	0.00	11.17	7.60E+00	lb/MMcf	0.00	0.56	PM10	11.73	
PM	4.6000E-02	lb/mmBtu	0.00	16.69	7.60E+00	lb/MMcf	0.00	0.56	PM	17.25	
SOx	3.5000E+01	lb/ton/%S		265.22	6.00E-01	lb/MMcf		0.04	SOx	265.26	
NOx	1.2000E+01	lb/ton		252.59	2.80E+02	lb/MMcf		20.53	NOx	273.12	
VOC	6.0000E-02	lb/ton		1.26	5.50E+00	lb/MMcf		0.40	VOC	1.66	
CO	5.0000E-01	lb/ton		10.52	8.40E+01	lb/MMcf		6.16	CO	16.68	
Lead	NA								Lead	0.00	
Antimony	1.8000E-05	lb/ton		0.00					7440360 Antimony	0.00	
Arsenic compounds	4.1000E-04	lb/ton		0.01					7440382 Arsenic compounds	0.01	
Beryllium compounds	2.1000E-05	lb/ton		0.00					7440417 Beryllium compounds	0.00	
Cadmium compounds	5.1000E-05	lb/ton		0.00					7440439 Cadmium compounds	0.00	
Chromium compounds	3.3900E-04	lb/ton		0.01					7440473 Chromium compounds	0.01	
Cobalt	1.0000E-04	lb/ton		0.00					7440484 Cobalt	0.00	
Cyanide	2.5000E-03	lb/ton		0.05					Cyanide	0.05	
Hydrochloric acid	1.2997E-01	lb/ton		2.74					7647010 Hydrochloric acid	2.74	
Hydrogen fluoride	6.9112E-02	lb/ton		1.45					7664393 Hydrogen fluoride	1.45	
Lead compounds	4.2000E-04	lb/ton		0.01					Lead compounds	0.01	
Manganese compounds	4.9000E-04	lb/ton		0.01					7439965 Manganese compounds	0.01	
Mercury compounds	1.0663E-04	lb/ton		0.00					7439976 Mercury compounds	0.00	
Nickel compounds	2.8000E-04	lb/ton		0.01					7440020 Nickel compounds	0.01	
POM	2.0800E-06	lb/mmBtu		0.00					POM	0.00	
Radionuclides	9.5000E-02	lb/ton PM		0.00					Radionuclides	0.00	
Selenium compounds	1.3000E-03	lb/ton		0.03					7782492 Selenium compounds	0.03	
Acetaldehyde	5.7000E-04	lb/ton		0.01					75070 Acetaldehyde	0.01	
Acetophenone	1.5000E-05	lb/ton		0.00					98862 Acetophenone	0.00	
Acrolein	2.9000E-04	lb/ton		0.01					107028 Acrolein	0.01	
Benzene	1.3000E-03	lb/ton		0.03					71432 Benzene	0.03	
Benzyl Chloride	7.0000E-04	lb/ton		0.01					100447 Benzyl Chloride	0.01	
Di(2-ethylhexyl)phthalate	7.3000E-05	lb/ton		0.00					117817 Di(2-ethylhexyl)phthalate	0.00	
Bromoform	3.9000E-05	lb/ton		0.00					75252 Bromoform	0.00	
Carbon Disulfide	1.3000E-04	lb/ton		0.00					75150 Carbon Disulfide	0.00	
2-Chloroacetophenone	7.0000E-06	lb/ton		0.00					532274 2-Chloroacetophenone	0.00	
Chlorobenzene	2.2000E-05	lb/ton		0.00					108907 Chlorobenzene	0.00	
Chloroform	5.9000E-05	lb/ton		0.00					67663 Chloroform	0.00	
Cumene	5.3000E-06	lb/ton		0.00					98828 Cumene	0.00	
Dimethyl Sulfate	4.8000E-05	lb/ton		0.00					77781 Dimethyl Sulfate	0.00	
Ethylbenzene	9.4000E-05	lb/ton		0.00					100414 Ethylbenzene	0.00	
Chloroethane	4.2000E-05	lb/ton		0.00					75003 Chloroethane	0.00	
1,2-Dichloroethane	4.0000E-05	lb/ton		0.00					107062 1,2-Dichloroethane	0.00	
Formaldehyde	2.4000E-04	lb/ton		0.01	7.5000E-02	lb/MMcf		0.01	50000 Formaldehyde	0.02	

Hexane	6.7000E-05 lb/ton	0.00	1.8000E+00 lb/MMcf	0.13	110543 Hexane	0.13
Isophorone	5.8000E-04 lb/ton	0.01			78591 Isophorone	0.01
Methyl Tert Butyl Ether	3.5000E-05 lb/ton	0.00			1634044 Methyl Tert Butyl Ether	0.00
Bromomethane	1.6000E-04 lb/ton	0.00			74839 Bromomethane	0.00
Methyl Chloride	5.3000E-04 lb/ton	0.01			74873 Methyl Chloride	0.01
Methyl Ethyl Ketone	3.9000E-04 lb/ton	0.01			78933 Methyl Ethyl Ketone	0.01
Methyl Hydrazine	1.7000E-04 lb/ton	0.00			60344 Methyl Hydrazine	0.00
Methyl Methacrylate	2.0000E-05 lb/ton	0.00			80626 Methyl Methacrylate	0.00
Dichloromethane	2.9000E-04 lb/ton	0.01			75092 Dichloromethane	0.01
Phenol	1.6000E-05 lb/ton	0.00			108952 Phenol	0.00
Propionaldehyde	3.8000E-04 lb/ton	0.01			123386 Propionaldehyde	0.01
Styrene	2.5000E-05 lb/ton	0.00			100425 Styrene	0.00
Tetrachloroethaylene	4.3000E-05 lb/ton	0.00			127184 Tetrachloroethaylene	0.00
Toluene	2.4000E-04 lb/ton	0.01			108883 Toluene	0.01
1,1,1 Trichloroethane	2.0000E-05 lb/ton	0.00			71556 1,1,1 Trichloroethane	0.00
Vinyl Acetate	7.6000E-06 lb/ton	0.00			108054 Vinyl Acetate	0.00
Xylene	3.7000E-05 lb/ton	0.00			1330207 Xylene	0.00

WasteOil				Waste Solvent				
Actual Throughput	WasteOil	% Ash		Waste Solvent				
	0.00 1000 gal	% sulfur	0	0.00 gallons				
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr
PM10	5.1000E+01	lb/1000 gal	95.00	0.00	3.0000E-01	lbs/MMBtu	95.00	0.00
PM	6.1000E+01	lb/1000 gal	95.00	0.00	3.0000E-01	lbs/MMBtu	95.00	0.00
SOx	1.4700E+02	lb/1000 gal		0.00	1.3000E-01	lbs/MMBtu		0.00
NOx	2.0000E+01	lb/1000 gal		0.00	1.4000E-01	lbs/MMBtu		0.00
VOC	1.0000E+00	lb/1000 gal		0.00	3.0000E-01	lbs/MMBtu		0.00
CO	5.0000E+00	lb/1000 gal		0.00	5.0000E-01	lbs/MMBtu		0.00
Lead compounds	1.6800E+00	lb/1000 gal		0.00				

Emission Point	002	Emission Unit	4					Natural Gas					
Boiler 6	Coal												
Actual Throughput	3,757.99 Tons							2,932 MMcf					
	8618 Ave Btu/lb	% Sulfur	0.36										
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	002	Pollutant	Total	Boiler 6	
											Tons/Yr		
PM10	2.3900E-02	lb/mmBtu	0.00	0.77	7.60E+00	lb/MMcf	0.00	0.01	002	PM10	0.78		
PM	3.5700E-02	lb/mmBtu	0.00	1.16	7.60E+00	lb/MMcf	0.00	0.01		PM	1.17		
SOx	3.5000E+01	lb/ton/%S		23.68	6.00E-01	lb/MMcf		0.00		SOx	23.68		
NOx	1.2000E+01	lb/ton		22.55	2.80E+02	lb/MMcf		0.41		NOx	22.96		
VOC	6.0000E-02	lb/ton		0.11	5.50E+00	lb/MMcf		0.01		VOC	0.12		
CO	5.0000E-01	lb/ton		0.94	8.40E+01	lb/MMcf		0.12		CO	1.06		
Lead	NA									Lead	0.00		
Antimony	1.8000E-05	lb/ton		0.00					7440360	Antimony	0.00		
Arsenic compounds	4.1000E-04	lb/ton		0.00					7440382	Arsenic compounds	0.00		
Beryllium compounds	2.1000E-05	lb/ton		0.00					7440417	Beryllium compounds	0.00		
Cadmium compounds	5.1000E-05	lb/ton		0.00					7440439	Cadmium compounds	0.00		
Chromium compounds	3.3900E-04	lb/ton		0.00					7440473	Chromium compounds	0.00		
Cobalt	1.0000E-04	lb/ton		0.00					7440484	Cobalt	0.00		
Cyanide	2.5000E-03	lb/ton		0.00						Cyanide	0.00		
Hydrochloric acid	1.2997E-01	lb/ton		0.24					7647010	Hydrochloric acid	0.24		
Hydrogen fluoride	6.9112E-02	lb/ton		0.13					7664393	Hydrogen fluoride	0.13		
Lead compounds	4.2000E-04	lb/ton		0.00						Lead compounds	0.00		
Manganese compounds	4.9000E-04	lb/ton		0.00					7439965	Manganese compounds	0.00		
Mercury compounds	1.0663E-04	lb/ton		0.00					7439976	Mercury compounds	0.00		
Nickel compounds	2.8000E-04	lb/ton		0.00					7440020	Nickel compounds	0.00		
POM	2.0800E-06	lb/mmBtu		0.00						POM	0.00		
Radionuclides	9.5000E-02	lb/ton PM		0.00						Radionuclides	0.00		
Selenium compounds	1.3000E-03	lb/ton		0.00					7782492	Selenium compounds	0.00		
Acetaldehyde	5.7000E-04	lb/ton		0.00					75070	Acetaldehyde	0.00		
Acetophenone	1.5000E-05	lb/ton		0.00					98862	Acetophenone	0.00		
Acrolein	2.9000E-04	lb/ton		0.00					107028	Acrolein	0.00		
Benzene	1.3000E-03	lb/ton		0.00					71432	Benzene	0.00		
Benzyl Chloride	7.0000E-04	lb/ton		0.00					100447	Benzyl Chloride	0.00		
Di(2-ethylhexyl)phthalate	7.3000E-05	lb/ton		0.00					117817	Di(2-ethylhexyl)phthalate	0.00		
Bromoform	3.9000E-05	lb/ton		0.00					75252	Bromoform	0.00		
Carbon Disulfide	1.3000E-04	lb/ton		0.00					75150	Carbon Disulfide	0.00		
2-Chloroacetophenone	7.0000E-06	lb/ton		0.00					532274	2-Chloroacetophenone	0.00		

Chlorobenzene	2.2000E-05 lb/ton	0.00		108907 Chlorobenzene	0.00
Chloroform	5.9000E-05 lb/ton	0.00		67663 Chloroform	0.00
Cumene	5.3000E-06 lb/ton	0.00		98828 Cumene	0.00
Dimethyl Sulfate	4.8000E-05 lb/ton	0.00		77781 Dimethyl Sulfate	0.00
Ethylbenzene	9.4000E-05 lb/ton	0.00		100414 Ethylbenzene	0.00
Chloroethane	4.2000E-05 lb/ton	0.00		75003 Chloroethane	0.00
1,2-Dichloroethane	4.0000E-05 lb/ton	0.00		107062 1,2-Dichloroethane	0.00
Formaldehyde	2.4000E-04 lb/ton	0.00	7.5000E-02 lb/MMcf	50000 Formaldehyde	0.00
Hexane	6.7000E-05 lb/ton	0.00	1.8000E+00 lb/MMcf	110543 Hexane	0.00
Isophorone	5.8000E-04 lb/ton	0.00		78591 Isophorone	0.00
Methyl Tert Butyl Ether	3.5000E-05 lb/ton	0.00		1634044 Methyl Tert Butyl Ether	0.00
Bromomethane	1.6000E-04 lb/ton	0.00		74839 Bromomethane	0.00
Methyl Chloride	5.3000E-04 lb/ton	0.00		74873 Methyl Chloride	0.00
Methyl Ethyl Ketone	3.9000E-04 lb/ton	0.00		78933 Methyl Ethyl Ketone	0.00
Methyl Hydrazine	1.7000E-04 lb/ton	0.00		60344 Methyl Hydrazine	0.00
Methyl Methacrylate	2.0000E-05 lb/ton	0.00		80626 Methyl Methacrylate	0.00
Dichloromethane	2.9000E-04 lb/ton	0.00		75092 Dichloromethane	0.00
Phenol	1.6000E-05 lb/ton	0.00		108952 Phenol	0.00
Propionaldehyde	3.8000E-04 lb/ton	0.00		123386 Propionaldehyde	0.00
Styrene	2.5000E-05 lb/ton	0.00		100425 Styrene	0.00
Tetrachloroethaylene	4.3000E-05 lb/ton	0.00		127184 Tetrachloroethaylene	0.00
Toluene	2.4000E-04 lb/ton	0.00		108883 Toluene	0.00
1,1,1 Trichloroethane	2.0000E-05 lb/ton	0.00		71556 1,1,1 Trichloroethane	0.00
Vinyl Acetate	7.6000E-06 lb/ton	0.00		108054 Vinyl Acetate	0.00
Xylene	3.7000E-05 lb/ton	0.00		1330207 Xylene	0.00

Emission Point	003	Emission Unit	5										
Actual Throughput	Coal unloading (includes reclaim to pit)			690,353.00 Tons									
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr					003	Pollutant	Tons/Yr		
PM10	6.0000E-03	lb/ton		2.07					PM10		2.07		
PM	2.0000E-02	lb/ton		6.90					PM		6.90		
Emission Point	004	Emission Unit	5										
Actual Throughput	Stock-out Pile vehicle activity			4,400.00 vehicle hours									
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr					004	Pollutant	Tons/Yr		
PM10	1.3258E+01	lb/hr	0.00	29.17					PM10		29.17		
PM	4.9400E+01	lb/hr	0.00	108.68					PM		108.68		
Emission Point	005	Emission Unit	6A						005	Emission Unit	6C		
Actual Throughput	Stock-out Pile boom conveyor			196,978.10 tons						S Belt to Boom Belt			
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr					Emission Factor	Units	Control Eff	Tons/Yr	
PM10	8.5000E-04	lb/ton	0.00	0.08					8.5000E-04	lb/ton	0.00	0.08	
PM	1.8000E-03	lb/ton	0.00	0.18					1.8000E-03	lb/ton	0.00	0.18	
Emission Point	005	Emission Unit	6B						005	Emission Unit	6D		
Actual Throughput	Stock-out Pile pile deposit			196,978.10 tons						wind erosion			
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr					Emission Factor	Units	Control Eff	Tons/Yr	
PM10	8.5000E-04	lb/ton	0.00	0.08					1.7060E+04	lb/acre	0.00	40.09	
PM	1.8000E-03	lb/ton	0.00	0.18					3.4120E+04	lb/acre	0.00	80.18	
Emission Point	006	Emission Unit	7										
Actual Throughput	Junction Tower dust collector			555,916.40 tons									
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr					006	Pollutant	Tons/Yr		
PM10	2.5360E-03	lb/ton	0.00	0.70					PM10		0.70		
PM	3.1758E-03	lb/ton	0.00	0.88					PM		0.88		
Emission Point	8A	Emission Unit	9										
Actual Throughput	Coal handling Tripper area			493,514.33 Tons									
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr									
PM10	2.5230E-03	lb/ton	0.00	0.62					8A	Pollutant	Tons/Yr		
PM	2.8550E-03	lb/ton	0.00	0.70					PM10		0.62		
									PM		0.70		

EU7 was modified during the fall of 2005. The 2005 emission calculations represent the pre-modification arrangement because the system only operated only a few months in the new arrangement.

Total Tons Checksum
This value is the total of the coal combusted in the four boilers. If it does not match the actual throughput for EP8A, look for an error in the fuel usage values.

Emission Point 9 Emission Unit 10A EF from 30501107 - Table 11.12-2 Controlled
 Flyash storage silo bin vent Concrete Unloading to Elevated Silo

Actual Throughput 18,465.42 tons

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	3.4000E-04	lb/ton	0.00	0.00
PM	9.9000E-04	lb/ton	0.00	0.01

9 Pollutant	Tons/Yr
PM10	0.00
PM	0.01

Emission Point 10 Emission Unit 10B EF from 30501107 - Table 11.12-2 Controlled
 #9 ash blower Concrete Unloading to Elevated Silo

Actual Throughput 10,525.29 tons

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	3.4000E-04	lb/ton	0.00	0.00
PM	9.9000E-04	lb/ton	0.00	0.01

10 Pollutant	Tons/Yr
PM10	0.00
PM	0.01

Emission Point 11 Emission Unit 10C EF from 30501107 - Table 11.12-2 Controlled
 800# ash blower Concrete Unloading to Elevated Silo

Actual Throughput 7,940.13 tons

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	3.4000E-04	lb/ton	0.00	0.00
PM	9.9000E-04	lb/ton	0.00	0.00

11 Pollutant	Tons/Yr
PM10	0.00
PM	0.00

Emission Point 12 Emission Unit 10D EF from Fire 30501107
 Rotary unloader - flyash silo

Actual Throughput 0.00 tons

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	1.4000E-01	lb/ton	98.00	0.00
PM	2.4000E-01	lb/ton	98.00	0.00

12 Pollutant	Tons/Yr
PM10	0.00
PM	0.00

Emission Point 13 Emission Unit 14A
 Active Ash Pond

Actual Throughput 21.00 Acres

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	8.2020E+02	lb/acre/yr	90.00	0.86
PM	1.3670E+03	lb/acre/yr	90.00	1.44

13 Pollutant	Tons/Yr
PM10	0.86
PM	1.44

Emission Point	14	Emission Unit	10E		
	Ash silo unloading				
Actual Throughput	18,465.42 tons				EF from Fire 30501107
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	
PM10	1.4000E-01	lb/ton	75.00	0.32	
PM	2.4000E-01	lb/ton	75.00	0.55	

14	Pollutant	Tons/Yr
	PM10	0.32
	PM	0.55

Emission Point	15	Emission Unit	14B		
	Active Ash Pond truck loading				
Actual Throughput	556.60 tons				EF from Fire 30500707
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	
PM10	1.0000E-01	lb/ton	90.00	0.00	
PM	2.0000E-01	lb/ton	90.00	0.01	

15	Pollutant	Tons/Yr
	PM10	0.00
	PM	0.01

Emission Point	16	Emission Unit	15A		
	Temporay Ash Storage erosion				
Actual Throughput	13.00 Acres				
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	
PM10	8.2020E+02	lb/acre/yr	90.00	0.53	
PM	1.3670E+03	lb/acre/yr	90.00	0.89	

16	Pollutant	Tons/Yr
	PM10	0.53
	PM	0.89

Emission Point	17	Emission Unit	15B		
	Temporay Ash Storage truck unloading				
Actual Throughput	0.00 tons				
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	
PM10	1.0000E-01	lb/ton	90.00	0.00	
PM	2.0000E-01	lb/ton	90.00	0.00	

17	Pollutant	Tons/Yr
	PM10	0.00
	PM	0.00

Emission Point	22	Emission Unit	27		
	Sandblasting (outside)				
Actual Throughput	0.00 lbs				
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	
PM10	1.5000E+01	lbs/100 lbs	0.00	0.00	
PM	3.0000E+01	lbs/100 lbs	0.00	0.00	

22	Pollutant	Tons/Yr
	PM10	0.00
	PM	0.00

Emission Point	35, 36	Emission Unit	42
Actual Throughput	Process heater vaporizer #1 - 1 - LNG 0.00 MMcf		
Pollutant	Emission Factor	Units	Control Eff Tons/Yr
PM10	3.0000E+00	lb/MMcf	0.00
PM	3.0000E+00	lb/MMcf	0.00
SOx	6.0000E-01	lb/MMcf	0.00
NOx	1.0000E+02	lb/MMcf	0.00
VOC	5.3000E+00	lb/MMcf	0.00
CO	2.0000E+01	lb/MMcf	0.00

35, 36	Pollutant	Tons/Yr
	PM10	0.00
	PM	0.00
	SOx	0.00
	NOx	0.00
	VOC	0.00
	CO	0.00

Emission Point	37, 38	Emission Unit	43
Actual Throughput	Process heater vaporizer #2 - 1 - LNG 0.00 MMcf		
Pollutant	Emission Factor	Units	Control Eff Tons/Yr
PM10	3.0000E+00	lb/MMcf	0.00
PM	3.0000E+00	lb/MMcf	0.00
SOx	6.0000E-01	lb/MMcf	0.00
NOx	1.0000E+02	lb/MMcf	0.00
VOC	5.3000E+00	lb/MMcf	0.00
CO	2.0000E+01	lb/MMcf	0.00

37, 38	Pollutant	Tons/Yr
	PM10	0.00
	PM	0.00
	SOx	0.00
	NOx	0.00
	VOC	0.00
	CO	0.00

Emission Point	39	Emission Unit	44
	Regeneration heater - LNG		
Actual Throughput	1.06 MMcf		

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	3.0000E+00	lb/MMcf		0.00
PM	3.0000E+00	lb/MMcf		0.00
SOx	6.0000E-01	lb/MMcf		0.00
NOx	1.0000E+02	lb/MMcf		0.05
VOC	5.3000E+00	lb/MMcf		0.00
CO	2.0000E+01	lb/MMcf		0.01

39	
Pollutant	Tons/Yr
PM10	0.00
PM	0.00
SOx	0.00
NOx	0.05
VOC	0.00
CO	0.01