

Council Bluffs Energy Center  
 Title V Actual Emissions  
 For the Year

2005

CEMS Values

Tons SOx 1163.10  
 Tons NOx 1023.95  
 lbs/mmBtu CO 0.745

Emission Point	001	Natural Gas				001	Total			
	Coal					Pollutant	Tons/Yr			
Actual Throughput	215,918.00 Tons 8587 Ave Btu/lb	12.68 MMcf								
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	Pollutant	Tons/Yr
PM10	4.6900E-02	lb/mmBtu	0.00	86.96	7.60E+00	lb/MMcf	0.00	0.05	PM10	87.01
PM	7.0000E-02	lb/mmBtu	0.00	129.79	7.60E+00	lb/MMcf	0.00	0.05	PM	129.84
SOx		CEM Value		1,163.10	CEM	CEM			SOx	1,163.10
NOx		CEM Value		1,023.95	CEM	CEM			NOx	1,023.95
VOC	6.0000E-02	lb/ton		6.48	5.50E+00	lb/MMcf		0.03	VOC	6.51
CO	7.4500E-01	lb/mmBtu CEM		1,381.30	8.40E+01	lb/MMcf		0.53	CO	1,381.83
Lead	NA								Lead	0.00
Antimony	1.8000E-05	lb/ton		0.00					7440360 Antimony	0.00
Arsenic compounds	4.1000E-04	lb/ton		0.04					7440382 Arsenic cor	0.04
Beryllium compounds	2.1000E-05	lb/ton		0.00					7440417 Beryllium c	0.00
Cadmium compounds	5.1000E-05	lb/ton		0.01					7440439 Cadmium c	0.01
Chromium compounds	3.3900E-04	lb/ton		0.04					7440473 Chromium	0.04
Cobalt	1.0000E-04	lb/ton		0.01					7440484 Cobalt	0.01
Cyanide	2.5000E-03	lb/ton		0.27					Cyanide	0.27
Hydrochloric acid	1.2997E-01	lb/ton		14.03					7647010 Hydrochlori	14.03
Hydrogen fluoride	6.9112E-02	lb/ton		7.46					7664393 Hydrogen f	7.46
Lead compounds	4.2000E-04	lb/ton		0.05					Lead comp	0.05
Manganese compounds	4.9000E-04	lb/ton		0.05					7439965 Manganese	0.05
Mercury compounds	1.0663E-04	lb/ton		0.01					7439976 Mercury co	0.01
Nickel compounds	2.8000E-04	lb/ton		0.03					7440020 Nickel com	0.03
POM	2.0800E-06	lb/mmBtu		0.00					POM	0.00
Radionuclides	9.5000E-02	lb/ton PM		0.01					Radionuclid	0.01
Selenium compounds	1.3000E-03	lb/ton		0.14					7782492 Selenium c	0.14
Acetaldehyde	5.7000E-04	lb/ton		0.06					75070 Acetaldehy	0.06
Acetophenone	1.5000E-05	lb/ton		0.00					98862 Acetopheni	0.00
Acrolein	2.9000E-04	lb/ton		0.03					107028 Acrolein	0.03
Benzene	1.3000E-03	lb/ton		0.14					71432 Benzene	0.14
Benzyl Chloride	7.0000E-04	lb/ton		0.08					100447 Benzyl Chk	0.08
Di(2-ethylhexyl)phthalate	7.3000E-05	lb/ton		0.01					117817 Di(2-ethylh	0.01
Bromoform	3.9000E-05	lb/ton		0.00					75252 Bromoform	0.00
Carbon Disulfide	1.3000E-04	lb/ton		0.01					75150 Carbon Dis	0.01
2-Chloroacetophenone	7.0000E-06	lb/ton		0.00					532574 2-Chloroac	0.00
Chlorobenzene	2.2000E-05	lb/ton		0.00					108907 Chlorobenz	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 S	0.01
Ethylbenzene	9.4000E-05	lb/ton		0.01					100414 Ethylbenze	0.01
Chloroethane	4.2000E-05	lb/ton		0.00					75003 Chloroetha	0.00

1,2-Dichloroethane	4.0000E-05 lb/ton	0.00			107062 1,2-Dichloro	0.00
Formaldehyde	2.4000E-04 lb/ton	0.03	7.5000E-02 lb/MMcf	0.00	50000 Formaldehy	0.03
Hexane	6.7000E-05 lb/ton	0.01	1.8000E+00 lb/MMcf	0.01	110543 Hexane	0.02
Isophorone	5.8000E-04 lb/ton	0.06			78591 Isophorone	0.06
Methyl Tert Butyl Ether	3.5000E-05 lb/ton	0.00			1634044 Methyl Tert	0.00
Bromomethane	1.6000E-04 lb/ton	0.02			74839 Bromomet	0.02
Methyl Chloride	5.3000E-04 lb/ton	0.06			74873 Methyl Chl	0.06
Methyl Ethyl Ketone	3.9000E-04 lb/ton	0.04			78933 Methyl Eth	0.04
methyl Hydrazine	1.7000E-04 lb/ton	0.02			60344 methyl Hyd	0.02
Methyl Methacrylate	2.0000E-05 lb/ton	0.00			80626 Methyl Met	0.00
Dichloromethane	2.9000E-04 lb/ton	0.03			75092 Dichlorome	0.03
Phenol	1.6000E-05 lb/ton	0.00			108952 Phenol	0.00
Propionaldehyde	3.8000E-04 lb/ton	0.04			123386 Propionaldi	0.04
Styrene	2.5000E-05 lb/ton	0.00			100425 Styrene	0.00
Tetrachloroethaylene	4.3000E-05 lb/ton	0.00			127184 Tetrachlor	0.00
Toluene	2.4000E-04 lb/ton	0.03			108883 Toluene	0.03
1,1,1 Trichloroethane	2.0000E-05 lb/ton	0.00			71556 1,1,1 Trichl	0.00
Vinyl Acetate	7.6000E-06 lb/ton	0.00			108054 Vinyl Aceta	0.00
Xylene	3.7000E-05 lb/ton	0.00			1330207 Xylene	0.00

Oil

Actual Throughput 0.00 1000 gal

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	1.0000E+00	lb/1000 gal	0.00	0.00
PM	2.0000E+00	lb/1000 gal	0.00	0.00
SOx	CEM	CEM		
NOx	CEM	CEM		
VOC	2.0000E-01	lb/1000 gal		0.00
CO	5.0000E+00	lb/1000 gal		0.00
Lead compounds	1.2400E-03	lb/1000 gal		0.00

CEMS Values	Tons	Tons	lbs/mmBtu
	SOx	NOx	CO
	1877.00	1448.57	0.309

Emission Point	002	Natural Gas				002	Total			
	Coal									
Actual Throughput	391,247.00 Tons	21.89 MMcf								
	8592 Ave Btu/lb									
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	Pollutant	Tons/Yr
PM10	2.9500E-02	lb/mmBtu	0.00	99.17	7.60E+00	lb/MMcf	0.00	0.08	PM10	99.25
PM	4.4000E-02	lb/mmBtu	0.00	147.91	7.60E+00	lb/MMcf	0.00	0.08	PM	147.99
SOx		CEM Value		1,877.00	CEM	CEM			SOx	1,877.00
NOx		CEM Value		1,448.57	CEM	CEM			NOx	1,448.57
VOC	6.0000E-02	lb/ton		11.74	5.50E+00	lb/MMcf		0.06	VOC	11.80
CO	3.0900E-01	lb/mmBtu	CEM	1,038.73	2.40E+01	lb/MMcf		0.26	CO	1,039.00
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 cor	0.08
Beryllium compounds	2.1000E-05	lb/ton		0.00					7440417 Beryllium c	0.00
Cadmium compounds	5.1000E-05	lb/ton		0.01					7440439 Cadmium c	0.01
Chromium compounds	3.3900E-04	lb/ton		0.07					7440473 Chromium	0.07
Cobalt	1.0000E-04	lb/ton		0.02					7440484 Cobalt	0.02
Cyanide	2.5000E-03	lb/ton		0.49					Cyanide	0.49
Hydrochloric acid	1.2997E-01	lb/ton		25.43					7647010 Hydrochlori	25.43
Hydrogen fluoride	6.9112E-02	lb/ton		13.52					7664393 Hydrogen f	13.52
Lead compounds	4.2000E-04	lb/ton		0.08					Lead comp	0.08
Manganese compounds	4.9000E-04	lb/ton		0.10					7439965 Manganese	0.10
Mercury compounds	1.0663E-04	lb/ton		0.02					7439976 Mercury co	0.02
Nickel compounds	2.8000E-04	lb/ton		0.05					7440020 Nickel com	0.05
POM	2.4000E-06	lb/mmBtu		0.01					POM	0.01
Radionuclides	9.5000E-02	lb/ton	PM	0.01					Radionuclid	0.01
Selenium compounds	1.3000E-03	lb/ton		0.25					7782492 Selenium c	0.25
Acetaldehyde	5.7000E-04	lb/ton		0.11					75070 Acetaldehy	0.11
Acetophenone	1.5000E-05	lb/ton		0.00					98862 Acetopheni	0.00
Acrolein	2.9000E-04	lb/ton		0.06					107028 Acrolein	0.06
Benzene	1.3000E-03	lb/ton		0.25					71432 Benzene	0.25
Benzyl Chloride	7.0000E-04	lb/ton		0.14					100447 Benzyl Chk	0.14
Di(2-ethylhexyl)phthalate	7.3000E-05	lb/ton		0.01					117817 Di(2-ethylh	0.01
Bromoform	3.9000E-05	lb/ton		0.01					75252 Bromoform	0.01
Carbon Disulfide	1.3000E-04	lb/ton		0.03					75150 Carbon Dis	0.03
2-Chloroacetophenone	7.0000E-06	lb/ton		0.00					532574 2-Chloroac	0.00
Chlorobenzene	2.2000E-05	lb/ton		0.00					108907 Chlorobenz	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 S	0.01
Ethylbenzene	9.4000E-05	lb/ton		0.02					100414 Ethylbenze	0.02
Chloroethane	4.2000E-05	lb/ton		0.01					75003 Chloroetha	0.01

1,2-Dichloroethane	4.0000E-05 lb/ton	0.01			107062 1,2-Dichloro	0.01
Formaldehyde	2.4000E-04 lb/ton	0.05	7.5000E-02 lb/MMcf	0.00	50000 Formaldehy	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	0.01
Bromomethane	1.6000E-04 lb/ton	0.03			74839 Bromomet	0.03
Methyl Chloride	5.3000E-04 lb/ton	0.10			74873 Methyl Chl	0.10
Methyl Ethyl Ketone	3.9000E-04 lb/ton	0.08			78933 Methyl Eth	0.08
methyl Hydrazine	1.7000E-04 lb/ton	0.03			60344 methyl Hyd	0.03
Methyl Methacrylate	2.0000E-05 lb/ton	0.00			80626 Methyl Met	0.00
Dichloromethane	2.9000E-04 lb/ton	0.06			75092 Dichlorome	0.06
Phenol	1.6000E-05 lb/ton	0.00			108952 Phenol	0.00
Propionaldehyde	3.8000E-04 lb/ton	0.07			123386 Propionaldi	0.07
Styrene	2.5000E-05 lb/ton	0.00			100425 Styrene	0.00
Tetrachloroethaylene	4.3000E-05 lb/ton	0.01			127184 Tetrachlorc	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 Trichl	0.00
Vinyl Acetate	7.6000E-06 lb/ton	0.00			108054 Vinyl Aceta	0.00
Xylene	3.7000E-05 lb/ton	0.01			1330207 Xylene	0.01

Actual Throughput		Oil		
		0.00 1000 gal		
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	1.0000E+00	lb/1000 gal	0.00	0.00
PM	2.0000E+00	lb/1000 gal	0.00	0.00
SOx	CEM	CEM		
NOx	CEM	CEM		
VOC	2.0000E-01	lb/1000 gal		0.00
CO	5.0000E+00	lb/1000 gal		0.00
Lead compounds	1.2400E-03	lb/1000 gal		0.00

CEMS Values                      Tons        Tons        lbs/mmBtu  
    SOx        NOx        CO  
    15294.60    12042.41    0.187

Emission Point	003 Coal				Oil				003	Total
Actual Throughput	3,074,505.00 Tons 8546 Ave Btu/lb				238.50 1000 gal				Pollutant	Tons/Yr
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	Pollutant	Tons/Yr
PM10	1.7200E-02	lb/mmBtu	0.00	451.93	1.0000E+00	lb/1000 gal	0.00	0.12	PM10	452.05
PM	2.5700E-02	lb/mmBtu	0.00	675.26	2.0000E+00	lb/1000 gal	0.00	0.24	PM	675.50
SOx		CEM Value		15,294.60	CEM	CEM			SOx	15,294.60
NOx		CEM Value		12,042.41	CEM	CEM			NOx	12,042.41
VOC	6.0000E-02	lb/ton		92.24	2.0000E-01	lb/1000 gal		0.02	VOC	92.26
CO	1.8700E-01	lb/mmBtu CEM		4,913.37	5.0000E+00	lb/1000 gal		0.60	CO	4,913.97
Lead	NA								Lead	0.00
Antimony	1.8000E-05	lb/ton		0.03					7440360 Antimony	0.03
Arsenic compounds	4.1000E-04	lb/ton		0.63					7440382 Arsenic cor	0.63
Beryllium compounds	2.1000E-05	lb/ton		0.03					7440417 Beryllium c	0.03
Cadmium compounds	5.1000E-05	lb/ton		0.08					7440439 Cadmium c	0.08
Chromium compounds	3.3900E-04	lb/ton		0.52					7440473 Chromium	0.52
Cobalt	1.0000E-04	lb/ton		0.15					7440484 Cobalt	0.15
Cyanide	2.5000E-03	lb/ton		3.84					Cyanide	3.84
Hydrochloric acid	1.2997E-01	lb/ton		199.80					7647010 Hydrochlori	199.80
Hydrogen fluoride	6.9112E-02	lb/ton		106.24					7664393 Hydrogen f	106.24
Lead compounds	4.2000E-04	lb/ton		0.65	1.2400E-03	lb/1000 gal		0.00	Lead comp	0.65
Manganese compounds	4.9000E-04	lb/ton		0.75					7439965 Manganese	0.75
Mercury compounds	1.0663E-04	lb/ton		0.16					7439976 Mercury co	0.16
Nickel compounds	2.8000E-04	lb/ton		0.43					7440020 Nickel com	0.43
POM	2.0800E-06	lb/mmBtu		0.05					POM	0.05
Radionuclides	9.5000E-02	lb/ton PM		0.03					Radionuclid	0.03
Selenium compounds	1.3000E-03	lb/ton		2.00					7782492 Selenium c	2.00
Acetaldehyde	5.7000E-04	lb/ton		0.88					75070 Acetaldehy	0.88
Acetophenone	1.5000E-05	lb/ton		0.02					98862 Acetopheni	0.02
Acrolein	2.9000E-04	lb/ton		0.45					107028 Acrolein	0.45
Benzene	1.3000E-03	lb/ton		2.00					71432 Benzene	2.00
Benzyl Chloride	7.0000E-04	lb/ton		1.08					100447 Benzyl Chk	1.08
Di(2-ethylhexyl)phthalate	7.3000E-05	lb/ton		0.11					117817 Di(2-ethylh	0.11
Bromoform	3.9000E-05	lb/ton		0.06					75252 Bromoform	0.06
Carbon Disulfide	1.3000E-04	lb/ton		0.20					75150 Carbon Dis	0.20
2-Chloroacetophenone	7.0000E-06	lb/ton		0.01					532574 2-Chloroac	0.01
Chlorobenzene	2.2000E-05	lb/ton		0.03					108907 Chlorobenz	0.03
Chloroform	5.9000E-05	lb/ton		0.09					67663 Chloroform	0.09
Cumene	5.3000E-06	lb/ton		0.01					98828 Cumene	0.01
Dimethyl Sulfate	4.8000E-05	lb/ton		0.07					77781 Dimethyl S	0.07
Ethylbenzene	9.4000E-05	lb/ton		0.14					100414 Ethylbenze	0.14
Chloroethane	4.2000E-05	lb/ton		0.06					75003 Chloroetha	0.06

1,2-Dichloroethane	4.0000E-05 lb/ton	0.06
Formaldehyde	2.4000E-04 lb/ton	0.37
Hexane	6.7000E-05 lb/ton	0.10
Isophorone	5.8000E-04 lb/ton	0.89
Methyl Tert Butyl Ether	3.5000E-05 lb/ton	0.05
Bromomethane	1.6000E-04 lb/ton	0.25
Methyl Chloride	5.3000E-04 lb/ton	0.81
Methyl Ethyl Ketone	3.9000E-04 lb/ton	0.60
methyl Hydrazine	1.7000E-04 lb/ton	0.26
Methyl Methacrylate	2.0000E-05 lb/ton	0.03
Naphthalene	1.3000E-05 lb/ton	0.02
Dichloromethane	2.9000E-04 lb/ton	0.45
Phenol	1.6000E-05 lb/ton	0.02
Propionaldehyde	3.8000E-04 lb/ton	0.58
Styrene	2.5000E-05 lb/ton	0.04
Tetrachloroethaylene	4.3000E-05 lb/ton	0.07
Toluene	2.4000E-04 lb/ton	0.37
1,1,1 Trichloroethane	2.0000E-05 lb/ton	0.03
Vinyl Acetate	7.6000E-06 lb/ton	0.01
Xylene	3.7000E-05 lb/ton	0.06

107062 1,2-Dichloro	0.06
50000 Formaldehy	0.37
110543 Hexane	0.10
78591 Isophorone	0.89
1634044 Methyl Tert	0.05
74839 Bromomet	0.25
74873 Methyl Chl	0.81
78933 Methyl Eth	0.60
60344 methyl Hyd	0.26
80626 Methyl Met	0.03
91203 Naphthaler	0.02
75092 Dichlorome	0.45
108952 Phenol	0.02
123386 Propionaldi	0.58
100425 Styrene	0.04
127184 Tetrachlor	0.07
108883 Toluene	0.37
71556 1,1,1 Trichl	0.03
108054 Vinyl Aceta	0.01
1330207 Xylene	0.06

Used Oil

Actual Throughput	0.10 1000 gal	% ash	3.0
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Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	5.1000E+01	lb/1000 gal	95.0	0.00
PM	6.1000E+01	lb/1000 gal	95.0	0.00
SOx	CEM			
NOx	CEM			
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 004  
 Oil  
 Actual Throughput 0.45 1000 gal % sulfur 0.5

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	1.00E+00	lb/1000 gal		0.00
PM	2.00E+00	lb/1000 gal		0.00
SOx	1.42E+02	lb/1000 gal		0.02
NOx	2.40E+01	lb/1000 gal		0.01
VOC	2.00E-01	lb/1000 gal		0.00
CO	5.00E+00	lb/1000 gal		0.00

004 Pollutant	Total Tons/Yr
PM10	0.00
PM	0.00
SOx	0.02
NOx	0.01
VOC	0.00
CO	0.00

Emission Point 005  
 bulldozing wind erosion  
 Actual Throughput 6,312.00 hours 25.6 Acres

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr
PM10	1.3258E+01	lb/hr		41.84	1.7060E+04	lb/acre	75	54.59
PM	4.9400E+01	lb/hr		155.91	3.4120E+04	lb/acre	75	109.18

005 Pollutant	Tons/Yr
PM10	96.43
PM	265.09

Emission Point 006  
 Dumper building dust collector 1  
 Actual Throughput 3,487,303.00 tons

Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	4.0357E-04	lb/ton	0.00	0.70
PM	4.0357E-04	lb/ton	0.00	0.70

006 Pollutant	Tons/Yr
PM10	0.70
PM	0.70

Emission Point	009			
	Transfer house 1 coal conveying			
Actual Throughput	3,487,303.00 tons			
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	2.0313E-04	lb/ton	0.00	0.35
PM	2.0313E-04	lb/ton	0.00	0.35

009	
Pollutant	Tons/Yr
PM10	0.35
PM	0.35

Emission Point	010				EU 117				Emergency Reclaim hopper to belt 8			
	EU010 Transfer house 2											
Actual Throughput	3,681,670.00 tons				Actual Throughput				1,307,000.00 ton			
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr
PM10	8.5135E-04	lb/ton	0.00	1.57	8.5135E-04	lb/ton	0.00	0.56				
PM	8.5135E-04	lb/ton	0.00	1.57	8.5135E-04	lb/ton	0.00	0.56				

010	
Pollutant	Tons/Yr
PM10	2.13
PM	2.13

Emission Point	117b			
	Emergency Reclaim dumping (fugitive dust)			
Actual Throughput	1,307,000.00 tons			
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	9.4000E-04	lb/ton	0.00	0.61
PM	2.0000E-03	lb/ton	0.00	1.31

117b	
Pollutant	Tons/Yr
PM10	0.61
PM	1.31

Emission Point	011					
	Transfer house 3 - conveyor 4ab					
Actual Throughput	3,681,670.00 tons					
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	011	
PM10	4.1216E-04	lb/ton	0.00	0.76	Pollutant	Tons/Yr
PM	4.1216E-04	lb/ton	0.00	0.76	PM10	0.76
					PM	0.76
Emission Point	013					
	Transfer house 4 - conveyor 5ab					
Actual Throughput	3,074,505.00 tons					
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	013	
PM10	1.5778E-03	lb/ton	0.00	2.43	Pollutant	Tons/Yr
PM	1.5778E-03	lb/ton	0.00	2.43	PM10	2.43
					PM	2.43
Emission Point	014					
	#3 East coal silos					
Actual Throughput	1,317,645.00 tons					
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	014	
PM10	6.9111E-03	lb/ton	0.00	4.55	Pollutant	Tons/Yr
PM	6.9111E-03	lb/ton	0.00	4.55	PM10	4.55
					PM	4.55
Emission Point	015					
	#3 West coal silos					
Actual Throughput	1,756,860.00 tons					
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	015	
PM10	5.7556E-03	lb/ton	0.00	5.06	Pollutant	Tons/Yr
PM	5.7556E-03	lb/ton	0.00	5.06	PM10	5.06
					PM	5.06
Emission Point	016					
	1 & 2 Crusher house - conveyor 9					
Actual Throughput	607,165.00 tons					
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	016	
PM10	1.1304E-03	lb/ton	0.00	0.34	Pollutant	Tons/Yr
PM	1.1304E-03	lb/ton	0.00	0.34	PM10	0.34
					PM	0.34

Emission Point	017								017		
	1 & 2 Tripper								Pollutant		
Actual Throughput	607,165.00 tons								Tons/Yr		
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr							
PM10	1.8261E-03	lb/ton	0.00	0.55						PM10	0.55
PM	1.8261E-03	lb/ton	0.00	0.55						PM	0.55
Emission Point	018								018		
	Ash Haul Road								Pollutant		
Actual Throughput	3774.00 miles								Tons/Yr		
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr							
PM10	6.2000E+00	lb/mile	50.00	5.85						PM10	5.85
PM	1.2400E+01	lb/mile	50.00	11.70						PM	11.70
Emission Point	019	EU19a							019		
	Ash Pond Dumping		EF from Fire 30500707				Ash pond wind erosion		EU19c		
Actual Throughput	55,506.50 Tons						162.00 acres (Max)		EF from Fire 30501049		
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr		Emission Factor	Units	Control Eff	Tons/Yr	Pollutant	Tons/Yr
PM10	1.0000E-01	lb/ton	0.00	2.78		3.8000E+02	lb/acre	50.00	15.39	PM10	18.58
PM	2.0000E-01	lb/ton	0.00	5.55		7.6000E+02	lb/acre	50.00	30.78	PM	37.00
	Ash Grading	EU19b									
Actual Throughput	500.00 miles		EF from Fire 30501047								
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr							
PM10	3.3000E+00	lb/mile	50.00	0.41							
PM	5.3700E+00	lb/mile	50.00	0.67							
Emission Point	020								020		
	Flyash Truck loading #3								Pollutant		
Actual Throughput	114660.80 Tons		EF from Fire 30500619						Tons/Yr		
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr							
PM10	2.0000E-01	lb/ton	74.30	2.95						PM10	2.95
PM	2.9851E-01	lb/ton	74.30	4.40						PM	4.40

Emission Point	021			
	Flyash Truck loading 1 & 2			
Actual Throughput	23696.00	Tons	EF from Fire 30500619	
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	2.0000E-01	lb/ton	74.30	0.61
PM	2.9851E-01	lb/ton	74.30	0.91

021	
Pollutant	Tons/Yr
PM10	0.61
PM	0.91

Emission Point	025			
	Glycol storage tank			
Actual Throughput	0.06	1000 gal		
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
VOC	9.1630E+03	lb/1000 gal		0.27
Ethylene glycol	9.1630E+03	lb/1000 gal		0.27

025	
Pollutant	Tons/Yr
VOC	0.27
107211 Ethylene gl	0.27

Emission Point	30			
	EU028 Stockout Conveyor 7			
Actual Throughput	1,112,633.00	tons		
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr
PM10	9.4000E-04	lb/ton	56.25	0.23
PM	2.0000E-03	lb/ton	56.25	0.49

75% control efficiency used for 9 months

30	
Pollutant	Tons/Yr
PM10	0.23
PM	0.49

Emission Point	31				EU031b Stacker/Reclaimer - Stackout					
	EU031a Stacker/Reclaimer - conveyor 3				Actual Throughput 2,374,670.00 ton					
Actual Throughput	2,374,670.00 tons									
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr	31	
PM10	9.4000E-04	lb/ton	56.25	0.49	9.4000E-04	lb/ton	56.25	0.49	Pollutant	Tons/Yr
PM	2.0000E-03	lb/ton	56.25	1.04	2.0000E-03	lb/ton	56.25	1.04	PM10	1.96
									PM	4.16
	EU031c Stacker/Reclaimer - Reclaim in				EU031d Stacker/Reclaimer - Reclaim wheel					
Actual Throughput	2,374,670.00 tons				Actual Throughput 2,374,670.00 ton					
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr	Emission Factor	Units	Control Eff	Tons/Yr		
PM10	9.4000E-04	lb/ton	56.25	0.49	9.4000E-04	lb/ton	56.25	0.49		
PM	2.0000E-03	lb/ton	56.25	1.04	2.0000E-03	lb/ton	56.25	1.04		
Emission Point	114									
	Units 3 Emergency Generator									
Actual Throughput	0.03	1000 gal	% sulfur	0.5						
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr					114	
PM10	1.6680E+00	lb/1000 gal		0.00					Pollutant	Tons/Yr
PM	1.6680E+00	lb/1000 gal		0.00					PM10	0.00
SOx	1.4100E+02	lb/1000 gal x S		0.00					PM	0.00
NOx	9.7700E+01	lb/1000 gal		0.00					SOx	0.00
VOC	2.3800E+00	lb/1000 gal		0.00					NOx	0.00
CO	6.7200E+00	lb/1000 gal		0.00					VOC	0.00
									CO	0.00
Emission Point	119A									
	1 & 2 flyash silo bag filter				EF from 30501107 - Table 11.12-2 Controlled					
Actual Throughput	23,696.00 ton				Concrete Unloading to Elevated Silo					
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr					119A	
PM10	3.4000E-04	lb/ton	0.00	0.00					PM10	0.00
PM	9.9000E-04	lb/ton	0.00	0.01					PM	0.01
Emission Point	119B									
	1 & 2 flyash silo bin vent filter				EF from 30501107 - Table 11.12-2 Controlled					
Actual Throughput	23,696.00 ton				Concrete Unloading to Elevated Silo					
Pollutant	Emission Factor	Units	Control Eff	Tons/Yr					119B	
PM10	3.4000E-04	lb/ton	0.00	0.00					PM10	0.00
PM	9.9000E-04	lb/ton	0.00	0.01					PM	0.01