

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

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Permit Number 3908B

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EF-206	Cooling Tower	VOC	0.60	2.59
ES-201	Package Boiler	VOC	0.17	0.76
		NO <sub>x</sub>	6.22	27.23
		SO <sub>2</sub>	0.01	0.05
		PM <sub>10</sub>	0.84	3.70
		CO	4.34	19.01
ES-202	Standby Incinerator (6)	VOC	0.36	0.17
		NO <sub>x</sub>	7.25	3.17
		PM <sub>10</sub>	5.21	2.29
		CO	2.23	0.98
		SO <sub>2</sub>	<0.01	<0.01
		HCl	<0.01	<0.01
ES-203	Waste Heat Boiler (6)	VOC	0.36	1.63
		NO <sub>x</sub>	7.25	31.73
		PM <sub>10</sub>	5.24	22.95
		CO	2.23	9.75
		SO <sub>2</sub>	<0.01	<0.01

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			lb/hr	TPY
		HCl	<0.01	<0.01
ES-202	Standby Incinerator (7)	VOC	0.36	
		NO <sub>x</sub>	7.25	
		PM <sub>10</sub>	5.21	
		CO	2.23	
		SO <sub>2</sub>	<0.01	
		HCl	<0.01	
ES-203	Waste Heat Boiler (7)	VOC	0.36	
		NO <sub>x</sub>	7.25	
		PM <sub>10</sub>	5.24	
		CO	2.23	
		SO <sub>2</sub>	<0.01	
		HCl	<0.01	
ES-202 and ES-203	Standby Incinerator and Waste Heat Boiler (7)	VOC		1.80
		NO <sub>x</sub>		34.90
		PM <sub>10</sub>		25.24
		CO		10.73
		SO <sub>2</sub>		<0.01
		HCl		0.01
ES-204	Regenerative Gas Heater	VOC	<0.01	<0.01
		NO <sub>x</sub>	0.30	0.02
		SO <sub>2</sub>	<0.01	<0.01
		PM	0.03	<0.01
		CO	0.07	<0.01
ES-205	Monument No. 2 Flare	VOC	8.67	3.70
		NO <sub>x</sub>	0.85	0.44
		SO <sub>2</sub>	0.01	0.01
		CO	5.99	2.95

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			lb/hr	TPY
ES-206	Package Boiler BO-4 (60 MMBtu/hr Gas Fired Boiler)	VOC	0.35	1.38
		NO <sub>x</sub>	1.20	4.73
		SO <sub>2</sub>	0.95	3.76
		PM <sub>10</sub>	0.48	1.90
		CO	4.84	19.07
EV-201A	Carlot Silo Blender Bag Filter	VOC	1.08	0.38
		PM <sub>10</sub>	0.27	0.47
EV-201B	Carlot Silo Blender Bag Filter	VOC	1.08	0.38
		PM <sub>10</sub>	0.27	0.47
EV-201C	Carlot Silo Blender Bag Filter	VOC	1.08	0.38
		PM <sub>10</sub>	0.27	0.47
EV-201D	Carlot Silo Blender Bag Filter	VOC	1.08	0.38
		PM <sub>10</sub>	0.27	0.47
EV-202A	Pellet Line Lot Blender	VOC	0.72	0.43
		PM <sub>10</sub>	0.03	0.06
EV-202B	Pellet Line Lot Blender	VOC	0.72	0.43
		PM <sub>10</sub>	0.03	0.06
EV-202C	Pellet Line Lot Blender	VOC	0.72	0.43
		PM <sub>10</sub>	0.03	0.06
EV-202D	Pellet Line Lot Blender	VOC	0.72	0.43
		PM <sub>10</sub>	0.03	0.06
EV-202E	Pellet Offspec Bin	VOC	0.72	0.18
		PM <sub>10</sub>	0.03	0.01
EV-204	Bagging Bin Vent Filter	VOC	1.08	0.38
		PM <sub>10</sub>	0.27	0.47

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			lb/hr	TPY
EV-207	Alkyl Seal Pot	VOC	0.36	1.06
EV-208	Additive Feed Hopper Vent Filter	PM <sub>10</sub>	0.01	0.01
EV-209A	Pellet Dryer Exhaust	VOC	0.72	0.96
ES-209B	Pellet Dryer Exhaust	VOC	0.72	0.96
EV-211	Cooling Water Additive Tanks	VOC	<0.01	<0.01
EV-212	Boiler Water Additive Tanks	VOC	0.23	<0.01
EV-251	Powder Masterbatch Weight Bin Vent Filter	PM	0.16	0.03
		PM <sub>10</sub>	0.03	<0.01
EV-261	Powder Masterbatch Weight Bin Vent Filter	PM	0.16	0.03
		PM <sub>10</sub>	0.03	<0.01
EV-252	Pellet Refeed Bin Vent	VOC	0.72	<0.01
		PM <sub>10</sub>	0.03	<0.01
EV-262	Pellet Refeed Bin Vent	VOC	0.72	<0.01
		PM <sub>10</sub>	0.03	<0.01
EV-253	Inline Blender Vent Filter	VOC	1.06	4.64
		PM	0.02	0.08
		PM <sub>10</sub>	0.02	0.07
EV-263	Inline Blender Vent Filter	VOC	1.06	4.64
		PM	0.02	0.08
		PM <sub>10</sub>	0.02	0.07
F2	Fugitives (4)	VOC	2.44	10.70

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EV-254	Vacuum Cleaning System	PM	0.16	0.07
		PM <sub>10</sub>	0.08	0.03
ES-805	Train No. 8 Flare (5)	VOC	0.53	<0.01
		NO <sub>x</sub>	0.03	<0.01
		CO	0.19	<0.01
		SO <sub>2</sub>	<0.01	<0.01
ES-802	Alkyl Flare (5)	VOC	0.41	0.02
		NO <sub>x</sub>	0.05	<0.01
		CO	0.11	<0.01
		SO <sub>2</sub>	<0.01	<0.01

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
 PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns in emitted.  
 CO - carbon monoxide  
 HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission contributions due to Train Nos. 5 and 6 (under Permit Number 3908B) only. This emission point number permitted under Permit Number 21538.
- (6) These emission limits are in effect on and after August 16, 2012.
- (7) These emission limits for the Waste Heat Boiler System (ES-202 and ES-203) are in effect until August 16, 2012.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
_____Hrs/day_____Days/week_____Weeks/year or <u>8,760</u> Hrs/year				

Dated April 3, 2003