

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20204

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**
PL-6A	VA South Hold-up Tank	VOC	3.27	0.03
PL-6E	G-Unit Rail Car Unloading	VOC	0.01	0.01
PL-6F	D-Unit CO Trailer Sampling	CO	10.00	3.03
PL-6H	D-Unit Waste Pellet Dumpster	VOC	0.98	34.06
PL-6L	Tank Trailer Loading/unloading	VOC	0.01	0.01
PL-6R	D Unit Analyzer Vents	VOC	0.13	0.47
PL-7B	550-HP Compressor	NO <sub>x</sub>	26.40	
		CO	3.21	
		VOC	1.00	
		SO <sub>2</sub>	0.01	
		PM <sub>10</sub>	0.40	
PL-7C	800-HP Compressor	NO <sub>x</sub>	36.30	
		CO	4.42	
		VOC	1.37	
		SO <sub>2</sub>	0.01	
		PM <sub>10</sub>	0.55	
PL-7D	550-HP Compressor	NO <sub>x</sub>	24.75	
		CO	3.01	
		VOC	0.94	
		SO <sub>2</sub>	0.01	
		PM <sub>10</sub>	0.38	

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			lb/hr	TPY**
PL-7E	550-HP Compressor	NO <sub>x</sub>	24.75	
		CO	3.01	
		VOC	0.94	
		SO <sub>2</sub>	0.01	
		PM <sub>10</sub>	0.38	
PL-7F	800-HP Compressor	NO <sub>x</sub>	36.30	
		CO	4.42	
		VOC	1.37	
		SO <sub>2</sub>	0.01	
		PM <sub>10</sub>	0.55	
PL-7G	800-HP Compressor	VOC	1.37	
		CO	4.42	
		NO <sub>x</sub>	36.30	
		SO <sub>2</sub>	0.01	
		PM <sub>10</sub>	0.55	
PL-7H	800-HP Compressor	VOC	1.37	
		CO	4.42	
		NO <sub>x</sub>	36.30	
		SO <sub>2</sub>	0.01	
		PM <sub>10</sub>	0.55	
PL-7B, PL-7C, PL-7D, PL-7E, PL-7F, PL-7G, and PL-7H	Combined Compressors	VOC	---	27.63
		CO	---	88.88
		NO <sub>x</sub>	---	729.92
		SO <sub>2</sub>	---	0.14
		PM <sub>10</sub>	---	11.12
PL-7I	D-Unit CMIR	VOC	0.86	0.79
PL-7J	D-Unit Screen Pack Changes	VOC	0.08	0.02
		CO	0.01	
PL-7M	D-Unit Wax Drums	VOC	0.06	0.67
		CO	0.01	
PL-7N	G-Unit CMIR	VOC	0.25	0.09

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PL-7O	G-Unit Screen Pack Changes	VOC	0.03	0.01
PL-7Q	G-Unit Glob Boxes	VOC	1.04	0.50
PL-7R	G-Unit Wax Drums	VOC	0.06	0.83
PL-7S	D-Unit Mineral Spirits Dumpster	VOC	0.06	0.03
PL-7T	G-Unit Mineral Spirits Dumpster	VOC	0.01	0.01
PL-7V	G-Unit Tank Trailer Loading and Unloading (Spot B1087)	VOC	0.42	0.01
PL-7W	G-Unit Tank Trailer Loading and Unloading (Spot 2085)	VOC	0.01	0.01
PL-7X	G-Unit Tank Trailer Loading and Unloading (Spot 2120)	VOC	1.54	0.09
PL-7Y	G-Unit Used Oil Dumpster	VOC	0.03	0.01
PL-7Z	PTZ Drum Unloading	VOC	0.01	0.01
PL-8D	G-Unit Monomer Tank	VOC	0.01	0.03
PL-8E	CDG Aqueous Collection Tank	VOC	1.44	0.10
PL-8F	D/G Methanol Tank	VOC	7.02	0.17
PL-8G	D/G Unit Monomer Tank	VOC	0.05	0.23
PL-8J	G-Unit Analyzer Vents	VOC	0.04	0.15
PL-8K	G-Unit Shaker Screen	VOC	0.84	1.30
PL-8L	D/G-Unit RIDs Tank	VOC	0.11	0.01
PL-8M	CDG Organic Decanter Tank	VOC	0.01	0.01

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PL-8N	CDG Organic Storage Tank	VOC	1.11	0.01
PL-8Q	Additive Mix Tank	VOC	0.03	0.07
PL-8R	Additive Storage Tank	VOC	0.61	1.33
PL-8S	Additive Waste Tank	VOC	0.02	0.04
PL-8T	G-Unit Waste Solvent Tank	VOC	1.73	0.01
PL-8U	Additive Rain Tank	VOC	0.02	0.07
PL-8W	G-Unit White Oil Tank	VOC	0.01	0.01
PL-8Z	Beringer Ovens	VOC	0.03	0.15
PL-9J	G Unit Waste Pellet Dumpster	VOC	0.28	5.85
PLA-9A	West 500,000 VA Tank	VOC	0.40	0.38
PLA-9B	East 500,000 VA Tank	VOC	0.40	0.38
PLA-9C	Far East RECVAM Tank	VOC	1.00	2.94
PLA-14	50,000 NBA Tank	VOC	0.02	0.03
PL-F5	D Unit Fugitives (4)	VOC	13.47	58.98
		CO	0.35	0.25
PL-F6	G Unit Fugitives (4)	VOC	18.99	83.16
PL-10	Fume Abater	VOC	29.53	29.15
		CO	37.35	86.09
		NO <sub>x</sub>	0.88	3.54
		PM	0.37	2.83
PL-12	Fume Abater	VOC	29.53	29.15
		CO	37.35	86.09

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			lb/hr	TPY**
		NO <sub>x</sub> 0.88	3.54	
		PM 0.37	2.83	
PL-22	CDG Flare	VOC	352.37	74.41
		CO 179.40	50.47	
		NO <sub>x</sub> 24.84	6.98	
		SO <sub>2</sub> 0.01	0.04	
PL-96	D-Unit Mineral Spirits Tank	VOC	0.25	0.01
PL-97	G-Unit Mineral Spirits Tank	VOC	0.25	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  
 CO - carbon monoxide  
 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 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 is emitted.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

\_\_\_\_\_Hrs/day \_\_\_\_\_Days/week \_\_\_\_\_Weeks/year or 8,760 Hrs/year

\*\* Compliance with the annual emission limits shall be on a 12-month rolling basis.

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			<u>lb/hr</u>	<u>TPY**</u>

Dated December 2, 2004