

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 76621

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**
PLU-1A	Heat Recuperation Tower	NO _x	0.58	2.30
		CO	0.80	3.16
		VOC	0.05	0.21
		PM ₁₀	0.79	2.61
		SO ₂	0.01	0.02
PLU-1B	Flash Dryer to Bypass	NO _x	0.58	0.26
		CO	0.80	0.35
		VOC	0.05	0.02
		PM ₁₀	0.79	0.29
		SO ₂	0.01	0.01
PLU-2	Dust Silo Bag/HEPA Filter	PM ₁₀	0.01	0.01
PLU-3A and PLU-3B	Carrier Calciner/Dryer Bag/HEPA Filter and Carrier Calciner to bypass (5) (6)	NO _x	1.02	4.47
		CO	1.40	6.13
		VOC	0.09	0.40
		SO ₂	0.01	0.04
		PM ₁₀	0.06	0.26
PLU-4	Dust/Dryer HEPA Filter	NO _x	0.07	0.32
		CO	0.02	0.08
		VOC	0.05	0.21
		PM ₁₀	0.01	0.01
		SO ₂	0.01	0.02
PLU-5	Vacuum System HEPA Filter	PM ₁₀	0.01	0.01
PLU-FUG	Fugitives (4)	VOC	0.02	0.10

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PLU-6	HEPA Filter	PM ₁₀	0.01	0.01
PLU-7	HEPA Filter	PM ₁₀	0.01	0.01
PLU-8	Acetic Acid Tank	VOC	1.36	0.02
PLU-10	Metal Sols HEPA Filter (7)	PM ₁₀	0.01	0.01
PLU-11	Cooling Tower (7)	PM ₁₀	1.80	7.88

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
SO₂ - sulfur dioxide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Combined emissions from EPNs PLU-3A and PLU-3B shall not exceed hourly or annual emission limits.
- (6) The EPN PLU-3B (carrier calciner to bypass) shall not emit non-combustion PM₁₀.
- (7) The EPN PLU-10 is authorized under Standard Permit Number 81084 (Project Number 127275) permit by rule (PBR) claim. The EPN PLU-11 is authorized under a nonregistered PBR ' 106.371 claim. The EPNs are not authorized by this permit. The EPNs are shown for reference only.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

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			lb/hr	TPY**

Dated June 15, 2010