

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3715A

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**
<u>Multi-Purpose Emission Sources</u>				
C-897	Final Product Loading	PM ₁₀	0.72	3.05
K-740	Thermal Oxidizer System	VOC	0.87	0.50
		NO _x	2.52	3.73
		CO	0.80	1.79
		SO ₂	0.01	0.01
		PM ₁₀	0.04	0.04
		NH ₃	0.14	0.23
		Hydrazine	0.01	0.01
		HCl	3.02	0.01
		H ₂ SO ₄	0.23	0.01
ESJ-118A	Tank SJ-118A	VOC	1.13	0.03
FUG-1	Fugitives (4)	VOC	1.87	8.18
		Cl ₂	0.01	0.06
		Hydrazine	0.16	0.69
		NH ₃	0.16	0.70
C-818	Solid Raw Material Charging	PM ₁₀	0.02	0.03
EK-830	Cooling Tower	VOC	0.32	1.40
ED-802	Drum Charging Vent	VOC	0.12	0.04
C-803A	Rework System Vent	PM ₁₀	0.06	0.01

J-110	Tank J-110	NaOH	0.01	0.01
<u>Packout Emission Sources</u>				
K-1891	Tank B-246-A, B-253-A, and J-221 Carbon Drum	VOC	0.60	0.12
K-255	Tank B-255 Carbon Drum	VOC	0.20	0.01
B-256	Storage Tank	VOC	4.10	0.16
B-257	Storage Tank	VOC	4.10	0.16
B-258	Storage Tank	VOC	4.10	1.93
B-259	Storage Tank	VOC	4.10	1.93
B-260	Storage Tank	VOC	0.27	0.02
K-1890	Tank J-1874, 1875, and 1879 Carbon Drum	VOC	0.15	0.07
K-1878	Tank J-1878 Carbon Drum	VOC	0.16	0.01
K-1892	Tank J-1880 Carbon Drum	VOC	0.20	0.01
K-1881	Tank J-1881 Carbon Drum	VOC	0.06	0.01
K-1882	Tank J-1882 Carbon Drum	VOC	0.06	0.01
J-218	Storage Tank	VOC	5.12	0.53
J-219	Storage Tank	VOC	5.12	0.26
J-220	Storage Tank	VOC	4.92	0.23

B-246-B	Storage Tank	VOC	4.10	1.92
B-253-B	Storage Tank	VOC	4.10	1.92
E-1800TKF	PO Piping Fugitives (4)	VOC	0.06	0.31
E-1800LF	PO Loading Fugitives (4)	VOC	6.38	0.40
ED-173	HCl Tank	HCl	0.95	0.01
PLANNED MAINTENANCE, STARTUP, AND SHUTDOWN (MSS) EMISSION RATE LIMITS				
	Sludge Management	VOC		
	Small Equipment	VOC		
	Process Vessel	VOC		
	Tanks	VOC		
	Vacuum Trucks	VOC		
MSS-PO	Maintenance, Start-Up, and Shut-Down for the Pack-Out Plant	VOC	57.91	0.05
	K-740 Downtime	VOC		
	Sludge Management	VOC		
	Small Equipment	VOC		
	Process Vessel	VOC		
	Tanks	VOC		
	Vacuum Trucks	VOC		
MSS-MPP	Maintenance, Start-Up, and Shut-Down for the Multi Purpose Plant (MPP)	VOC	1.96	0.03

- (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 an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO _x	-	total oxides of nitrogen
SO ₂	-	sulfur dioxide
PM ₁₀	-	particulate matter equal to or less than 10 microns in diameter
CO	-	carbon monoxide
HCl	-	hydrogen chloride
H ₂ SO ₄	-	sulfuric acid
NH ₃	-	ammonia
Cl ₂	-	chlorine
NaOH	-	sodium hydroxide

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

* 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 8760 Hrs/year

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

Dated: