

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 46432

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**
1SwtBnDCSk	Sawdust Storage Bin DC	PM/PM <sub>10</sub>	0.42	1.82
2KDryDCStk	K-Dryer DC	PM/PM <sub>10</sub>	0.17	0.73
13BkBnDCSk	No. 13 Bulk Bin DC	PM/PM <sub>10</sub>	0.21	0.91
14BkBnDCSk	No. 14 Bulk Bin DC	PM/PM <sub>10</sub>	0.21	0.91
BagFilFug	Paper Bag Loading	PM/PM <sub>10</sub>	0.30	0.05
BulkBag	Bulk Bag Loading	PM/PM <sub>10</sub>	0.30	0.05
ConcHotWI	Concentrator Hot Well	phosphoric acid	0.010	0.044
ConcSrgT	Concentrator Surge Tank	phosphoric acid	0.005	0.020
FilterClean	Paper Bag Loading	PM/PM <sub>10</sub>	0.003	0.001
GrnWdHppr	Green Sawdust Unloading	PM/PM <sub>10</sub>	0.004	0.001
IESrgTk	Ion Exchange Surge Tank	phosphoric acid	0.006	0.027
KFurnStk	RTO/Brinks Demister Vent	VOC	2.47	10.80
		NO <sub>x</sub>	0.11	0.48
		CO	0.09	0.40
		SO <sub>2</sub>	0.001	0.003
		PM/PM <sub>10</sub>	0.01	0.04
		phosphoric acid	0.60	2.63
KHeaterStk	Heat Treater Furnace	VOC	0.05	0.23

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
	(8.71 MMBTU/hr)	NO <sub>x</sub>	0.97	4.24
		CO 0.81	3.56	
		SO <sub>2</sub> 0.13	0.58	
		PM/PM <sub>10</sub>	0.07	0.32
KMillDC	K Mill DC	PM/PM <sub>10</sub>	0.25	1.09
KMillFdDC	K Mill Feed Bin DC	PM/PM <sub>10</sub>	0.17	0.73
KmMxrWdStk	Sawdust Feed Bin DC	PM/PM <sub>10</sub>	0.17	0.73
KMxrOilStk	Hot Oil Heater (7 MMBTU/hr)	VOC	0.04	0.19
		NO <sub>x</sub>	0.78	3.41
		CO 0.65	2.86	
		SO <sub>2</sub> 0.11	0.47	
		PM/PM <sub>10</sub>	0.06	0.26
KWashTkA	Wash Tank "A"	phosphoric acid	0.0088	0.039
KWashTkB	Wash Tank "B"	phosphoric acid	0.0088	0.039
KWashTkC	Wash Tank "C"	phosphoric acid	0.0088	0.039
KWashTkD	Wash Tank "D"	phosphoric acid	0.0088	0.039
KWashTkE	Wash Tank "E"	phosphoric acid	0.0088	0.039
KWashTkF	Wash Tank "F"	phosphoric acid	0.0088	0.039
KWashTkG	Wash Tank "G"	phosphoric acid	0.0088	0.039
KWashTkH	Wash Tank "H"	phosphoric acid	0.0088	0.039
KWashTkJ	Wash Tank "J"	phosphoric acid	0.0088	0.039
KWashTkK	Wash Tank "K"	phosphoric acid	0.0088	0.039

OAKBAGGING	Sawdust Fines Bagging	PM/PM <sub>10</sub>	6.00	1.00
PA19SrgTk1	19 percent Phosphoric Acid Tank 1 phosphoric acid		0.002	0.008
PA19SrgTk2	19 percent Phosphoric Acid Tank 2 phosphoric acid		0.002	0.008
PA19SrgTk3	19 percent Phosphoric Acid Tank 3 phosphoric acid		0.002	0.008
PA19SrgTk4	19 percent Phosphoric Acid Tank 4 phosphoric acid		0.002	0.008
PA35SrgTk	35 percent Phosphoric Acid Surge Tank	phosphoric acid	0.004	0.018
PA70StTk1	70 percent Phosphoric Acid Tank 1 phosphoric acid		<0.001	<0.001
PA70StTk2	70 percent Phosphoric Acid Tank 2 phosphoric acid		<0.001	<0.001
PA70StTk3	70 percent Phosphoric Acid Tank 3 phosphoric acid		<0.001	<0.001
SwDryRTO	Sawdust Dryer RTO	VOC	0.03	0.10
		NO <sub>x</sub>	0.11	
		CO	0.09	
		SO <sub>2</sub>	0.001	
		PM/PM <sub>10</sub>	2.45	10.72
SwdtBunker	Dry Sawdust Unloading	PM/PM <sub>10</sub>	0.02	0.01
SwdtDryStk	Sawdust Dryer Heater (5 MMBTU/hr)	VOC	0.03	0.13
		NO <sub>x</sub>	0.55	2.42
		CO	0.47	
		SO <sub>2</sub>	0.08	
		PM/PM <sub>10</sub>	0.04	0.18
SwdtSiDCSk	Sawdust Silo DC	PM/PM <sub>10</sub>	0.21	0.91

- (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 30 Texas Administrative Code Section 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
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 annual emission limits is based on a rolling 12-month period.

Dated October 22, 2001