## Emission Sources - Maximum Allowable Emission Rates

## Permit Number 171297

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, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

<b>Emission Point No. (1)</b>	Source Name (2)	Air Contaminant Name (3)	Emission	Rates (6)
21113310111 01111110. (1)	Course Name (2)	All contaminant value (c)	lbs/hour	TPY (4)
MatHanA	Material Handling -	PM	0.95	1.00
	Plant A (EPNs 1A- 12A) (5)	PM <sub>10</sub>	0.32	TPY (4)
	, (=)	PM <sub>2.5</sub>	0.04	0.04
13A	Silo #1	PM	0.05	0.02
		PM <sub>10</sub>	0.05	0.02
		PM <sub>2.5</sub>	0.05	0.02
14A	Silo #2	PM	0.05	0.02
		PM <sub>10</sub>	0.05	0.02
		PM <sub>2.5</sub>	0.05	0.02
15A	Dryer Stack	PM	8.35	1.00 0.33 0.04 0.02 0.02 0.02 0.02 0.02 0.02 0.02
		PM <sub>10</sub>	5.83	5.83
		PM <sub>2.5</sub>	5.58	5.58
		VOC	8.00	8.00
		NO <sub>x</sub>	13.75	13.75
		SO <sub>2</sub>	14.50	14.50
		СО	32.50	32.50
16A	Silo Filling (5)	PM	0.15	0.15
		PM <sub>10</sub>	0.15	0.15
		PM <sub>2.5</sub>	0.15	0.15
		VOC	3.05	3.05
		СО	0.29	0.29
17A	Truck Loadout (5)	PM	0.13	0.13
		PM <sub>10</sub>	0.13	0.13
		PM <sub>2.5</sub>	0.13	0.13
		VOC	0.98	0.98
		со	0.34	0.34
	Hot Oil Heater	PM	0.04	0.08
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PM2.5		1	PM <sub>10</sub>	0.03	0.06
Mode         0.02         0.04           No.         0.22         0.48           No.         0.22         0.48           SO2         0.02         0.05           CO         0.01         0.03           STK         Expense (S)         PM          1.10           PM18          0.17          0.17           MatHanB         Plant B (EPNs 1B) 12B) (5)         PM         1.53         1.00           PM19         0.51         0.33         1.00           PM2s         0.06         0.04           PM2s         0.06         0.04           PM2s         0.05         0.02           PM2s         0.05         0.02 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
NO₂         0.22         0.48           SO₂         0.02         0.05           SO₂         0.02         0.05           STK         Stockpiles (5)         PM          2.20           PM₁₀          0.17            PM₂₅          0.17            Material Handling Plant B (EPNs 1B²¹2B) (5)         PM₂₅          0.17           PM₂₀         0.51         0.33            PM₂₀         0.06         0.04            13B         PM₃₀         0.05         0.02           PM₂₀         0.05         0.02           PM₂₅         0.05         0.02           PM₂₀         0.05         0.02           PM₂₅         0.05         0.02           PM₂₀					
SO2   0.02   0.05     CO   0.01   0.03     STK   Stockpiles (5)   PM     2.20     PM <sub>30</sub>     1.10     PM <sub>25</sub>     0.17     PM <sub>25</sub>     0.17     PM <sub>25</sub>     0.17     PM <sub>25</sub>     0.17     PM <sub>25</sub>   0.51   0.33     PM <sub>20</sub>   0.51   0.33     PM <sub>20</sub>   0.51   0.33     PM <sub>20</sub>   0.06   0.04     PM <sub>30</sub>   0.05   0.02     PM <sub>25</sub>   0.05   0.0					
STK   Stockpiles (5)			NO <sub>x</sub>	0.22	0.48
STK       Stockpiles (5)       PM       -       2.20         PM10       -       1.10         PM25       -       0.17         MatHanB       Material Handling - Plant B (EPNs 1B-12B) (5)       PM       1.53       1.00         PM10       0.51       0.33       0.04         PM25       0.06       0.04       0.05       0.02         PM10       0.05       0.02       0.02         PM25       0.05       0.02       0.02         PM25       0.05       0.02         PM25       8.92       5.58         VOC       12.80       8.00         NOx       22.00       13.75         SO2       23.20       14.50         CO       52.00       32.50         PM10       0.23       0.15     <			SO <sub>2</sub>	0.02	0.05
PM <sub>10</sub>			СО	0.01	0.03
MatHanB   Material Handling - PM	STK	Stockpiles (5)	PM		2.20
MatHanB       Material Handling - Plant B (EPNs 1B-12B) (5)       PM       1.53       1.00         13B       Silo #3       PM       0.05       0.02         PM₁0       0.05       0.02         PM₂5       8.92       5.83         PM₂5       8.92       5.58         VOC       12.80       8.00         NO₂       22.00       13.75         SO₂       23.20       14.50         CO       52.00       32.50         16B       PM₁0       0.23       0.15         PM₂5       0.23       0.15			PM <sub>10</sub>		1.10
Plant B (EPNs 1B- 12B) (5)  PM <sub>10</sub> 0.51  0.33  PM <sub>25</sub> 0.06  0.04  13B  Silo #3  PM  0.05  0.02  PM <sub>10</sub> 0.05  0.02  PM <sub>10</sub> 0.05  0.02  PM <sub>25</sub> 0.06  0.02  PM <sub>10</sub> 0.05  0.02  PM <sub>25</sub> 0.05  0.02  PM <sub>10</sub> 0.05  0.02  PM <sub>10</sub> 0.05  0.02  PM <sub>10</sub> 0.05  0.02  PM <sub>10</sub> 0.05  0.02  PM <sub>25</sub> 0.05  0.02  15B  PM <sub>10</sub> 9.32  5.83  PM <sub>25</sub> 8.92  5.58  VOC  12.80  8.00  NO <sub>x</sub> 22.00  13.75  SO <sub>2</sub> CO  52.00  32.50  16B  PM <sub>10</sub> 0.23  0.15  PM <sub>10</sub> PM <sub>25</sub> 0.23  0.15			PM <sub>2.5</sub>		0.17
$\begin{array}{c} 12B)  (5) & PM_{10} & 0.51 & 0.33 \\ PM_{25} & 0.06 & 0.04 \\ \hline \\ 13B & PM & 0.05 & 0.02 \\ \hline \\ PM_{10} & 0.05 & 0.02 \\ \hline \\ PM_{10} & 0.05 & 0.02 \\ \hline \\ PM_{25} & 0.05 & 0.02 \\ \hline \\ PM_{25} & 0.05 & 0.02 \\ \hline \\ PM_{10} & 0.05 & 0.02 \\ \hline \\ PM_{10} & 0.05 & 0.02 \\ \hline \\ PM_{10} & 0.05 & 0.02 \\ \hline \\ PM_{25} & 0.05 & 0.02 \\ \hline \\ PM_{10} & 9.32 & 5.83 \\ \hline \\ PM_{25} & 8.92 & 5.58 \\ \hline \\ VOC & 12.80 & 8.00 \\ \hline \\ NO_{4} & 22.00 & 13.75 \\ \hline \\ SO_{2} & 23.20 & 14.50 \\ \hline \\ CO & 52.00 & 32.50 \\ \hline \\ 16B & Silo Filling (5) & PM & 0.23 & 0.15 \\ \hline \\ PM_{10} & 0.23 & 0.15 \\ \hline \\ PM_{25} & 0.23 & 0.15 \\ \hline \end{array}$	MatHanB		РМ	1.53	1.00
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		12B) (5)	PM <sub>10</sub>	0.51	0.33
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			PM <sub>2.5</sub>	0.06	0.04
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	13B	Silo #3	РМ	0.05	0.02
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			PM <sub>10</sub>	0.05	0.02
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			PM <sub>2.5</sub>	0.05	0.02
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	14B	Silo #4	РМ	0.05	0.02
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			PM <sub>10</sub>	0.05	0.02
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			PM <sub>2.5</sub>	0.05	0.02
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	15B	Dryer Stack	РМ	13.36	8.35
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			PM <sub>10</sub>	9.32	5.83
$\begin{array}{ c c c c c c }\hline NO_x & 22.00 & 13.75\\ \hline SO_2 & 23.20 & 14.50\\ \hline CO & 52.00 & 32.50\\ \hline \\ 16B & Silo Filling (5) & PM & 0.23 & 0.15\\ \hline PM_{10} & 0.23 & 0.15\\ \hline PM_{2.5} & 0.23 & 0.15\\ \hline \end{array}$			PM <sub>2.5</sub>	8.92	5.58
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			VOC	12.80	8.00
CO 52.00 32.50  16B Silo Filling (5) PM 0.23 0.15  PM <sub>10</sub> 0.23 0.15  PM <sub>2.5</sub> 0.23 0.15			NO <sub>x</sub>	22.00	13.75
16B Silo Filling (5) PM 0.23 0.15 PM <sub>10</sub> 0.23 0.15 PM <sub>2.5</sub> 0.23 0.15			SO <sub>2</sub>	23.20	14.50
PM <sub>10</sub> 0.23 0.15 PM <sub>2.5</sub> 0.23 0.15			со	52.00	32.50
PM <sub>2.5</sub> 0.23 0.15	16B	Silo Filling (5)	РМ	0.23	0.15
			PM <sub>10</sub>	0.23	0.15
107			PM <sub>2.5</sub>	0.23	0.15
VOC     4.87   3.05			voc	4.87	3.05

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		со	0.47	0.29
17B	Truck Loadout (5)	РМ	0.21	0.13
		PM <sub>10</sub>	0.21	0.13
		PM <sub>2.5</sub>	0.21	0.13
		VOC	1.56	0.98
		СО	0.54	0.34
18B	Hot Oil Heater	PM	0.04	0.08
		PM <sub>10</sub>	0.03	0.06
		PM <sub>2.5</sub>	0.02	0.05
		VOC	0.02	0.04
		NO <sub>x</sub>	0.22	0.48
		SO <sub>2</sub>	0.02	0.05
		СО	0.01	0.03

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

			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 - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as

total particulate matter equal to or less than 10 microns in diameter, including 1 M<sub>2.5</sub>, as

represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date:	July 7. 2023	

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