

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 106953L001

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

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (5)	
			lbs/hour	TPY (4)
Portable Plants and Main Plant				
3	Crusher 1 (6)	PM	0.04	0.07
		PM <sub>10</sub>	0.02	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
14	Crusher 2 (6)	PM	0.09	0.16
		PM <sub>10</sub>	0.04	0.07
		PM <sub>2.5</sub>	<0.01	0.01
4	Screen 1 (6)	PM	0.44	0.88
		PM <sub>10</sub>	0.15	0.30
		PM <sub>2.5</sub>	0.01	0.02
11	Screen 2 (6)	PM	1.10	1.98
		PM <sub>10</sub>	0.37	0.67
		PM <sub>2.5</sub>	0.03	0.05
16	Screen 3 (6)	PM	0.55	0.99
		PM <sub>10</sub>	0.19	0.33
		PM <sub>2.5</sub>	0.01	0.02
18	Screen 4 (6)	PM	0.55	0.99
		PM <sub>10</sub>	0.19	0.33
		PM <sub>2.5</sub>	0.01	0.02
22	Screen 5 (6)	PM	0.55	0.99
		PM <sub>10</sub>	0.19	0.33
		PM <sub>2.5</sub>	0.01	0.02

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24	Screen 6 (6)	PM	0.55	0.99
		PM <sub>10</sub>	0.19	0.33
		PM <sub>2.5</sub>	0.01	0.02
30	Crusher 3 (6)	PM	0.11	0.19
		PM <sub>10</sub>	0.05	0.09
		PM <sub>2.5</sub>	0.01	0.01
47	Crusher 4 (6)	PM	0.04	0.07
		PM <sub>10</sub>	0.02	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
49	Screen 7 (6)	PM	0.44	0.88
		PM <sub>10</sub>	0.15	0.30
		PM <sub>2.5</sub>	0.01	0.02
55	Screen 8 (6)	PM	0.44	0.88
		PM <sub>10</sub>	0.15	0.30
		PM <sub>2.5</sub>	0.01	0.02
MTH	Material Handling (6, 7)	PM	1.90	3.49
		PM <sub>10</sub>	0.63	1.15
		PM <sub>2.5</sub>	0.18	0.32
STK	Stockpiles (6)	PM	-.--	4.57
		PM <sub>10</sub>	-.--	2.29
		PM <sub>2.5</sub>	-.--	0.35
7	Engine 1 (352 HP)	NO <sub>x</sub>	2.31	3.47
		CO	2.03	3.04
		SO <sub>2</sub>	0.72	1.08
		VOC	0.87	1.30
		PM	0.12	0.17
		PM <sub>10</sub>	0.12	0.17

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57	Engine 2 (350 HP)	PM <sub>2.5</sub>	0.12	0.17
		NO <sub>x</sub>	0.23	0.35
		CO	2.01	3.02
		SO <sub>2</sub>	0.72	1.08
		VOC	0.11	0.16
		PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
58	Engine 3 (127 HP)	NO <sub>x</sub>	0.84	1.25
		CO	1.04	1.57
		SO <sub>2</sub>	0.26	0.39
		VOC	0.31	0.47
		PM	0.06	0.09
		PM <sub>10</sub>	0.06	0.09
		PM <sub>2.5</sub>	0.06	0.09
59	Engine 4 (540 HP)	NO <sub>x</sub>	3.55	5.33
		CO	3.11	4.66
		SO <sub>2</sub>	1.11	1.66
		VOC	1.33	2.00
		PM	0.18	0.27
		PM <sub>10</sub>	0.18	0.27
		PM <sub>2.5</sub>	0.18	0.27
60	Engine 5 (225 HP)	NO <sub>x</sub>	1.48	2.22
		CO	1.29	1.94
		SO <sub>2</sub>	0.46	0.69
		VOC	0.56	0.83
		PM	0.07	0.11

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		PM <sub>10</sub>	0.07	0.11
		PM <sub>2.5</sub>	0.07	0.11
61	Engine 6 (131 HP)	NO <sub>x</sub>	0.86	1.29
		CO	1.08	1.62
		SO <sub>2</sub>	0.27	0.40
		VOC	0.32	0.49
		PM	0.06	0.10
		PM <sub>10</sub>	0.06	0.10
		PM <sub>2.5</sub>	0.06	0.10
Hot Mix Plant				
HMP6	HMP Aggregate Screen (6)	PM	0.04	0.02
		PM <sub>10</sub>	0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
HMP MTH	HMP Material Handling (6, 8)	PM	0.13	0.04
		PM <sub>10</sub>	0.04	0.01
		PM <sub>2.5</sub>	0.01	<0.01
HMP10	Lime Silo	PM	0.05	0.02
		PM <sub>10</sub>	0.05	0.02
		PM <sub>2.5</sub>	0.05	0.02
HMP11	Dryer Stack	NO <sub>x</sub>	22.00	11.00
		CO	52.00	26.00
		SO <sub>2</sub>	23.20	11.60
		VOC	12.80	6.40
		PM	13.36	6.68
		PM <sub>10</sub>	9.32	4.66
		PM <sub>2.5</sub>	2.00	1.08
HMP12	Silo Filling (6)	PM	0.23	0.12

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		PM <sub>10</sub>	0.23	0.12
		PM <sub>2.5</sub>	0.23	0.12
		VOC	4.87	2.44
		CO	0.47	0.24
HMP13	Truck Loadout (6)	PM	0.21	0.10
		PM <sub>10</sub>	0.21	0.10
		PM <sub>2.5</sub>	0.21	0.10
		VOC	1.56	0.78
		CO	0.54	0.27
HMP14a	Hot Oil Heater 1	NO <sub>x</sub>	0.22	0.96
		CO	0.01	0.06
		SO <sub>2</sub>	<0.01	0.01
		VOC	<0.01	0.01
		PM	0.04	0.16
		PM <sub>10</sub>	0.03	0.11
		PM <sub>2.5</sub>	0.02	0.10
HMP14b	Hot Oil Heater 2	NO <sub>x</sub>	0.22	0.96
		CO	0.01	0.06
		SO <sub>2</sub>	<0.01	0.01
		VOC	<0.01	0.01
		PM	0.04	0.16
		PM <sub>10</sub>	0.03	0.11
		PM <sub>2.5</sub>	0.02	0.10
HMP STK	HMP Stockpiles (6)	PM	-.--	1.20
		PM <sub>10</sub>	-.--	0.60
		PM <sub>2.5</sub>	-.--	0.09

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- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) 

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 represented
PM <sub>2.5</sub>	-	particulate matter equal to or less than 2.5 microns in diameter
NO <sub>x</sub>	-	total oxides of nitrogen
CO	-	carbon monoxide
SO <sub>2</sub>	-	sulfur dioxide
VOC	-	volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (7) Includes emissions from the following EPNs: 1, 2, 5, 6, 8-10, 12, 13, 15, 17, 19-21, 23, 25-29, 31-46, 48, 50-54, and 56.
- (8) Includes emissions from the following EPNs: HMP1-5 and HMP7-9.

Date: May 6, 2022