

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9727A

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 (6)	
			lbs/hour	TPY (4)
1	Primary Crusher (6)	PM	1.44	1.50
		PM ₁₀	0.65	0.68
		PM _{2.5}	0.12	0.13
7	Secondary Crusher (6)	PM	0.96	1.00
		PM ₁₀	0.43	0.45
		PM _{2.5}	0.08	0.08
27, 33, 37, 39 and 45	Tertiary Crushers (6)	PM	0.77	0.80
		PM ₁₀	0.35	0.36
		PM _{2.5}	0.06	0.07
68	Quaternary Crusher (6)	PM	0.14	0.14
		PM ₁₀	0.06	0.06
		PM _{2.5}	0.01	0.01
5	Screen No. 1 (6)	PM	0.40	0.41
		PM ₁₀	0.13	0.14
		PM _{2.5}	0.01	0.01
10	Screen No. 2 (6)	PM	0.13	0.14
		PM ₁₀	0.04	0.05
		PM _{2.5}	< 0.01	< 0.01
12	Screen No. 3 (6)	PM	0.13	0.14
		PM ₁₀	0.04	0.05
		PM _{2.5}	< 0.01	< 0.01
24	Screen No. 4 (6)	PM	0.17	0.18
		PM ₁₀	0.06	0.06
		PM _{2.5}	< 0.01	< 0.01

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30	Screen No. 5 (6)	PM	0.17	0.18
		PM ₁₀	0.06	0.06
		PM _{2.5}	< 0.01	< 0.01
34	Screen No. 6 (6)	PM	0.13	0.14
		PM ₁₀	0.04	0.05
		PM _{2.5}	< 0.01	< 0.01
42	Screen No. 7 (6)	PM	0.13	0.14
		PM ₁₀	0.04	0.05
		PM _{2.5}	< 0.01	< 0.01
50	Screen No. 8 (6)	PM	0.05	0.05
		PM ₁₀	0.02	0.02
		PM _{2.5}	< 0.01	< 0.01
52	Screen No. 9 (6)	PM	0.05	0.05
		PM ₁₀	0.02	0.02
		PM _{2.5}	< 0.01	< 0.01
71	Screen No. 10 (6)	PM	0.04	0.04
		PM ₁₀	0.01	0.01
		PM _{2.5}	< 0.01	< 0.01
2-4, 6, 8, 9, 11, 13-23, 25, 26, 28, 29, 31, 32, 35, 36, 38, 40, 41, 43, 44, 46-49, 51, 53-67, 69, 70 and 72	Material Transfer (6)	PM	4.14	4.32
		PM ₁₀	1.36	1.42
		PM _{2.5}	0.38	0.40
MTL	Material Handling (6)	PM	0.34	0.28
		PM ₁₀	0.11	0.09
		PM _{2.5}	0.02	0.01
STK	Stockpiles (6)	PM	-.--	26.95
		PM ₁₀	-.--	13.47
		PM _{2.5}	-.--	2.04
URA23 & URA24	Pug Mills (5)	PM	0.20	0.21
		PM ₁₀	0.07	0.07

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		PM _{2.5}	<0.01	<0.01
URA26	Loadout (5)	PM	0.32	0.33
		PM ₁₀	0.32	0.33
		PM _{2.5}	0.32	0.33
		CO	0.41	0.42
		VOC	1.18	1.22
URA22	Silo Filling (5)	PM	0.12	0.12
		PM ₁₀	0.12	0.12
		PM _{2.5}	0.12	0.12
		CO	0.09	0.09
		VOC	0.92	0.95
URA1-URA21	Material Handling (5)	PM	2.87	2.99
		PM ₁₀	0.96	1.00
		PM _{2.5}	0.08	0.08
URA25	Hot Oil Heater Stack	PM	0.04	0.16
		PM ₁₀	0.03	0.11
		PM _{2.5}	0.02	0.10
		VOC	<0.01	0.01
		NO _x	0.22	0.96
		SO ₂	<0.01	0.01
		CO	0.01	0.06
P4-TNK1	Tank (5)	VOC	0.01	0.01
P4-TNK2	Tank (5)	VOC	0.01	0.01
P4-TNK3	Tank (5)	VOC	0.01	0.01
P4-TNK4	Tank (5)	VOC	0.21	0.01
P4-TNK5 & 6	Tank (5)	VOC	0.05	0.01
P4-TNK7	Diesel Tank (5)	VOC	0.41	0.01
URA-STK	Temporary Stockpiles (5)	PM	--	3.61

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		PM ₁₀	--	1.81
		PM _{2.5}	--	0.27

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
PM_{2.5} - 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: May 31, 2017