

Emission Sources - Maximum Allowable Emission Rates

Permit Number 164398

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)
Rock Crushing Plant				
RC1, RC2, RC4-5, RC7-14, RC16-17, RC19, RC21, RC23-26, RC28-34	Drop Points (5)	PM	1.21	0.73
		PM ₁₀	0.40	0.24
		PM _{2.5}	0.11	0.07
RC3	Crusher #1 (5)	PM	0.04	0.03
		PM ₁₀	0.02	0.01
		PM _{2.5}	<0.01	<0.01
RC6	Screen #1 (5)	PM	0.83	0.50
		PM ₁₀	0.28	0.17
		PM _{2.5}	0.02	0.01
RC15	Crusher #2 (5)	PM	0.45	0.27
		PM ₁₀	0.20	0.12
		PM _{2.5}	0.04	0.02
RC18	Crusher #3 (5)	PM	0.65	0.39
		PM ₁₀	0.29	0.17
		PM _{2.5}	0.05	0.03
RC20	Screen #2 (5)	PM	1.19	0.71
		PM ₁₀	0.40	0.24
		PM _{2.5}	0.03	0.02
RC22	Screen #3 (5)	PM	1.19	0.71
		PM ₁₀	0.40	0.24
		PM _{2.5}	0.03	0.02
RC27	Crusher #4 (5)	PM	0.36	0.22
		PM ₁₀	0.16	0.01

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		PM _{2.5}	0.03	0.02
RCSTK	RC Stockpiles (5)	PM	-	12.29
		PM ₁₀	-	6.14
		PM _{2.5}	-	0.93
Hot Mix Asphalt Plant				
HMP1-5, HMP7-9, HMP11, HMP13	Drop Points (5)	PM	0.25	0.13
		PM ₁₀	0.08	0.04
		PM _{2.5}	0.02	0.01
HMP6	Aggregate Screen (5)	PM	0.04	0.02
		PM ₁₀	0.01	0.01
		PM _{2.5}	<0.01	<0.01
HMP10	RAP Breaker (5)	PM	0.24	0.10
		PM ₁₀	0.11	0.04
		PM _{2.5}	0.02	0.01
HMP12	RAP Screen (5)	PM	0.36	0.21
		PM ₁₀	0.12	0.07
		PM _{2.5}	0.01	<0.01
HMP14	Lime Silo Dust Collector Stack	PM	0.05	0.02
		PM ₁₀	0.05	0.02
		PM _{2.5}	0.05	0.02
HMP15	Dryer Baghouse Stack	PM	13.36	6.68
		PM10	9.32	4.66
		PM2.5	2.00	1.08
		VOC	12.80	6.40
		NOx	22.00	11.00
		SO2	23.20	11.60
		CO	52.00	26.00
HMP16	Silo Filling (5)	PM	0.19	0.10
		PM10	0.19	0.10

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		PM2.5	0.19	0.10
		VOC	2.92	1.46
		CO	0.28	0.14
HMP17	Truck Loadout (5)	PM	0.15	0.08
		PM10	0.15	0.08
		PM2.5	0.15	0.08
		VOC	0.94	0.47
		CO	0.32	0.16
HMP18	Hot Oil Heater Vent	PM	0.07	0.14
		PM10	0.05	0.10
		PM2.5	0.04	0.09
		VOC	0.03	0.01
		NOx	0.40	0.88
		SO2	0.02	0.01
		CO	0.19	0.05
HMP19	AC Tank 1 (5)	VOC	<0.01	0.02
HMP20	AC Tank 2 (5)	VOC	<0.01	0.02
HMP21	Fuel Oil Tank (5)	VOC	<0.01	0.01
HMP22	Diesel Tank (5)	VOC	<0.01	0.01
HMPSTK	HMP Stockpiles (5)	PM	-	0.84
		PM10	-	0.42
		PM2.5	-	0.06
Concrete Batch Plant				
CBP1-6	Drop Points (5)	PM	0.71	0.36
		PM10	0.34	0.17
		PM2.5	0.05	0.03
CBP7	Mixer Loading (5)	PM	1.31	0.65
		PM10	0.36	0.18
		PM2.5	0.04	0.02

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CBP8-12	Silos Dust Collector Stack	PM	1.15	0.58
		PM10	0.64	0.32
		PM2.5	0.11	0.06
CBP13	Central Dust Collector Stack	PM	0.24	0.12
		PM10	0.06	0.03
		PM2.5	0.01	<0.01
CBPSTK	CBP Stockpile (5)	PM	-	0.12
		PM10	-	0.06
		PM2.5	-	0.01

- (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: July 29, 2021