Emission Sources - Maximum Allowable Emission Rates

Permit Number 1659

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)
02EP01	Rock Tank	PM	0.03	0.14
		PM_{10}	0.03	0.14
		$PM_{2.5}$	0.02	0.07
02EP03	Mill 2 Main Mill Dust Collector	PM	0.40	1.74
		PM_{10}	0.40	1.74
		$PM_{2.5}$	0.21	0.91
02EP04	TK 10	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
02EP05	TK 60	PM	0.02	0.05
		PM_{10}	0.02	0.05
		$PM_{2.5}$	0.01	0.02
06EP01	Mill 6 Main Mill Dust Collector	PM	0.14	0.60
		PM_{10}	0.14	0.60
		$PM_{2.5}$	0.07	0.31
08EP01	Mill 8 Main Mill Dust Collector	PM	0.37	1.60
		PM_{10}	0.37	1.60
		$PM_{2.5}$	0.19	0.84
08EP02	TK 19	PM	0.19	0.83
		PM_{10}	0.19	0.83
		$PM_{2.5}$	0.10	0.44
08EP03	TK 17	PM	0.05	0.22

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		PM_{10}	0.05	0.22
		$PM_{2.5}$	0.03	0.12
08EP06	Loadout for TK 19	PM	0.10	0.23
		PM_{10}	0.10	0.23
		$PM_{2.5}$	0.05	0.12
08EP07	Mill 8 Dryer	PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		CO	0.14	0.60
		NO_X	0.16	0.71
		SO_X	<0.01	<0.01
		VOC	0.01	0.04
12EP01	Mill 12 Main Mill Dust Collector	PM	0.37	1.61
		PM_{10}	0.37	1.61
		$PM_{2.5}$	0.19	0.84
12EP02	Mill 12 Feed Tank	PM	0.16	0.68
		PM_{10}	0.16	0.68
		$PM_{2.5}$	0.08	0.36
12EP03	TK 61	PM	0.13	0.57
		PM_{10}	0.13	0.57
		$PM_{2.5}$	0.07	0.30
12EP04	TK 62	PM	0.13	0.57
		PM_{10}	0.13	0.57
		$PM_{2.5}$	0.07	0.30
12EP05	Loadout for TK 61	PM	0.06	0.14
		PM_{10}	0.06	0.14

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	0.03	0.07
12EP06	Loadout for TK 62	PM	0.06	0.14
		PM_{10}	0.06	0.14
		$PM_{2.5}$	0.03	0.07
12EP07	TK 13	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
48EP01	Mill 6 Separator	PM	0.08	0.36
		PM_{10}	0.08	0.36
		$PM_{2.5}$	0.04	0.19
49EP01	M3 Bagger	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
49EP02	TK 00	PM	0.12	0.52
		PM_{10}	0.12	0.52
		$PM_{2.5}$	0.06	0.27
49EP03	TK 24	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
49EP04	TK 18	PM	0.11	0.24
		PM_{10}	0.11	0.24
		$PM_{2.5}$	0.06	0.13
49EP05	M3T Bagger	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
50EP01	M6 Bagger	PM	0.16	0.35

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		PM_{10}	0.16	0.35
		$PM_{2.5}$	0.08	0.18
50EP02	TK 13	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
50EP03	TK 12 V3T	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
50EP04	TK 14	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
50EP05	TK 22	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
50EP06	M300 Bagger Dust Collector	PM	0.12	0.26
		PM_{10}	0.12	0.26
		$PM_{2.5}$	0.06	0.14
50EP07	TK 16	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
50EP08	Loadout for TK 16	PM	0.10	0.23
		PM_{10}	0.10	0.23
		$PM_{2.5}$	0.05	0.12
11EP01	HICOM Mill 11 Main Mill Dust Collector	PM	0.31	0.67
		PM_{10}	0.31	0.67
		$PM_{2.5}$	0.16	0.35

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		VOC	0.23	1.01
02EP01F	Outside Rock Hopper (5)	PM	<0.01	0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
02EP02F	Belt Conveyor (5)	PM	0.01	0.06
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.01
02EP03F	Vibratory Feeder (5)	PM	<0.01	0.04
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
02EP04F	Belt Conveyor (5)	PM	<0.01	0.04
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
12EP01F	Belt Conveyor (5)	PM	0.01	0.06
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.01
12EP02F	Belt Conveyor (5)	PM	0.01	0.06
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.01
12EP03F	Belt Conveyor (5)	PM	0.01	0.06
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.01
03EP02	TK 80	PM	0.43	0.93
		PM_{10}	0.43	0.93
		$PM_{2.5}$	0.22	0.49
03EP01		PM	0.38	1.65

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Mill 3 Main Mill Dust Collector	PM_{10}	0.38	1.65
		$PM_{2.5}$	0.20	0.86
03EP05	M200 Bagger Feed Tank Dust Collector	PM	0.06	0.14
		PM_{10}	0.06	0.14
		$PM_{2.5}$	0.03	0.07
03EP08	M4 Bagger Feed Tank Dust Collector	PM	0.06	0.14
		PM_{10}	0.06	0.14
		$PM_{2.5}$	0.03	0.07
03EP04	TK 90	PM	0.42	0.91
		PM_{10}	0.42	0.91
		$PM_{2.5}$	0.22	0.48
03EP13	Loadout for TK 90	PM	0.42	0.91
		PM_{10}	0.42	0.91
		$PM_{2.5}$	0.22	0.48
03EP06	TK 91	PM	0.29	0.63
		PM_{10}	0.29	0.63
		$PM_{2.5}$	0.15	0.33
03EP03	TK 92	PM	0.42	0.91
		PM_{10}	0.42	0.91
		$PM_{2.5}$	0.22	0.48
03EP07	TK 94	PM	0.19	0.41
		PM_{10}	0.19	0.41
		$PM_{2.5}$	0.10	0.21
03EP11	Loadout for TK 94	PM	0.06	0.14
		PM_{10}	0.06	0.14
		$PM_{2.5}$	0.03	0.07

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
03EP09	M70 Bagger Feed Tank Dust Collector	PM	0.06	0.14
		PM_{10}	0.06	0.14
		$PM_{2.5}$	0.03	0.07
03EP10	Loadout for TK 92	PM	0.06	0.14
		PM_{10}	0.06	0.14
		$PM_{2.5}$	0.03	0.07
03EP12	Loadout for TK 91	PM	0.10	0.23
		PM_{10}	0.10	0.23
		$PM_{2.5}$	0.05	0.12
43EP40	Mill 3 Bagger Dust Collector (M4, M200, and M70 Baggers)	PM	0.12	0.27
		PM_{10}	0.12	0.27
		$PM_{2.5}$	0.06	0.14
04EP01	Mill 4 Main Mill Dust Collector	PM	0.38	1.65
		PM_{10}	0.38	1.65
		$PM_{2.5}$	0.20	0.86
04EP05	TK 42	PM	0.03	0.06
		PM_{10}	0.03	0.06
		$PM_{2.5}$	0.02	0.03
04EP06	TK 93	PM	0.35	0.76
		PM_{10}	0.35	0.76
		$PM_{2.5}$	0.18	0.40
04EP04	TK 96	PM	0.02	0.04
		PM_{10}	0.02	0.04
		$PM_{2.5}$	0.01	0.02
04EP02	TK 97	PM	0.02	0.04
		PM_{10}	0.02	0.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		$PM_{2.5}$	0.01	0.02
04EP03	Loadout for TK 96 & 97	PM	0.05	0.12
		PM_{10}	0.05	0.12
		$PM_{2.5}$	0.03	0.06
04EP07	Loadout for TK 93	PM	0.10	0.23
		PM_{10}	0.10	0.23
		$PM_{2.5}$	0.05	0.12
05EP01	Mill 5 Main Mill Dust Collector	PM	0.38	1.65
		PM_{10}	0.38	1.65
		$PM_{2.5}$	0.20	0.86
05EP03	TK 40	PM	0.42	0.91
		PM_{10}	0.42	0.91
		$PM_{2.5}$	0.22	0.48
05EP02	TK 95	PM	0.42	0.91
		PM_{10}	0.42	0.91
		$PM_{2.5}$	0.22	0.48
03EP01F	Outside Rock Hopper (5)	PM	<0.01	0.04
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
03EP02F	Belt Conveyor (5)	PM	<0.01	0.04
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01
03EP03F	Belt Conveyor (5)	PM	<0.01	0.04
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

(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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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: August 28, 2020