

Emission Sources - Maximum Allowable Emission Rates

Permit Number 3505

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	Grinding Plant Baghouse Stack	PM	3.23	14.15
		PM ₁₀	3.23	14.15
		PM _{2.5}	3.23	14.15
2	Rotary Calciner Wet Scrubber Stack	PM	1.30	3.80
		PM ₁₀	1.30	3.80
		PM _{2.5}	1.30	3.80
		SO ₂	2.71	7.89
		NO _x	3.49	10.20
		VOC	0.10	0.30
		CO	5.70	16.30
		HCl	< 0.01	< 0.01
		HF	0.04	0.13
4	Lingl Dryer Waste Heat Dump Stack	PM	17.40	0.44
		PM ₁₀	17.40	0.44
		PM _{2.5}	17.40	0.44
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
5	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01

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		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
6	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
7	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
8	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
9	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01

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		CO	< 0.01	< 0.01
10	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
11	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
12	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
13	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01

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14	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
15	Lingl Dryer Stack	PM	0.45	1.97
		PM ₁₀	0.45	1.97
		PM _{2.5}	0.45	1.97
		SO ₂	< 0.01	< 0.01
		NO _x	< 0.01	< 0.01
		VOC	< 0.01	< 0.01
		CO	< 0.01	< 0.01
16	ENP Plant Kiln DIFF Stack	PM	2.74	12.01
		PM ₁₀	2.74	12.01
		PM _{2.5}	2.74	12.01
		SO ₂	23.84	104.40
		NO _x	7.67	33.60
		VOC	0.16	0.69
		CO	9.86	43.20
		HCl	1.48	6.47
		HF	1.32	5.78
16A	ENP Plant Kiln Bypass Stack	PM	2.74	0.03
		PM ₁₀	2.74	0.03
		PM _{2.5}	2.74	0.03
		SO ₂	31.78	0.38
		NO _x	7.67	0.09
		VOC	0.16	<0.01

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		CO	9.86	0.12
		HCl	24.60	0.30
		HF	21.98	0.26
16 & 16A	Combined ENP Plant Kiln DIFF and Bypass Stack	PM	--	12.01
		PM ₁₀	--	12.01
		PM _{2.5}	--	12.01
		SO ₂	--	104.50
		NO _x	--	33.60
		VOC	--	0.69
		CO	--	43.20
		HCl	--	6.74
		HF	--	6.02
17	ENP Plant Pre-Heat Burner Stack	PM	0.15	0.68
		PM ₁₀	0.15	0.68
		PM _{2.5}	0.15	0.67
		SO ₂	0.32	1.41
		NO _x	0.06	0.24
		VOC	< 0.01	0.01
		CO	0.07	0.32
18	Rotary Calciner Bypass	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
		SO ₂	1.96	0.02
		NO _x	1.99	0.02
		VOC	< 0.01	< 0.01
		CO	0.70	0.01
		HCl	< 0.01	< 0.01
		HF	< 0.01	< 0.01
23	Shapes Dryer Stack	PM	0.02	0.09

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		PM ₁₀	0.02	0.09
		PM _{2.5}	0.02	0.09
		SO ₂	0.08	0.34
		NO _x	0.01	0.05
		VOC	< 0.01	< 0.01
		CO	0.04	0.16
24	Smog Hog	PM	0.13	1.00
		PM ₁₀	0.13	1.00
		PM _{2.5}	0.13	1.00
		VOC	0.01	0.01
25	Surge Bin Dust Collector	PM	2.40	11.00
		PM ₁₀	2.40	11.00
		PM _{2.5}	2.40	11.00
26	Extrusion Plant Transfer Point	PM	0.03	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
27	Sand Hopper	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
28	Sand Screen No. 1	PM	0.13	0.07
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
29	Sand Screen No. 2	PM	0.13	0.07
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
30	Calcine Drop Point	PM	0.18	0.70
		PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
31	Conveyor Pile Drop Point No. 1	PM	< 0.01	< 0.01

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		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
32	Conveyor Pile Drop Point No. 2	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
33	Screening Transfer Point No. 1	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
34	Screening Transfer Point No. 2	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
35	Grandslam Transfer Point No. 1	PM	0.05	0.02
		PM ₁₀	0.02	0.01
		PM _{2.5}	0.02	0.01
36	Grandslam Transfer Point No. 2	PM	0.05	0.02
		PM ₁₀	0.02	0.01
		PM _{2.5}	0.02	0.01
37	Diesel Tank – 10,000 gallon	VOC	< 0.01	< 0.01
38	Gasoline Tank – 1000 gallon	VOC	< 0.01	< 0.01
39	Swindell Kiln DIFF Stack	PM	9.93	43.50
		PM ₁₀	9.93	43.50
		PM _{2.5}	9.93	43.50
		SO ₂	26.55	116.29
		NO _x	4.00	17.50
		VOC	0.27	1.20
		CO	7.32	32.06
		HCl	0.64	2.78
		HF	0.79	3.45

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39A	Swindell Kiln Bypass Stack	PM	9.93	0.12
		PM ₁₀	9.93	0.12
		PM _{2.5}	9.93	0.12
		SO ₂	35.40	0.42
		NO _x	4.00	0.05
		VOC	0.27	< 0.01
		CO	7.32	0.09
		HCl	6.36	0.08
		HF	7.87	0.09
39 & 39A	Combined Swindell Kiln DIFF and Bypass Stack	PM	--	43.50
		PM ₁₀	--	43.50
		PM _{2.5}	--	43.50
		SO ₂	--	116.29
		NO _x	--	17.50
		VOC	--	1.20
		CO	--	32.06
		HCl	--	2.85
		HF	--	3.53
40	ELP Plant Transfer Point	PM	0.02	0.01
		PM ₁₀	0.01	< 0.01
		PM _{2.5}	0.01	< 0.01
41	ENP Plant Transfer Point No. 1	PM	0.02	0.01
		PM ₁₀	0.01	< 0.01
		PM _{2.5}	0.01	< 0.01
42	ENP Plant Transfer Point No. 2	PM	0.02	0.01
		PM ₁₀	0.01	< 0.01
		PM _{2.5}	0.01	< 0.01
43	Diesel Tank – 500 gallon	VOC	< 0.01	< 0.01
56	Farr Dust Collector –	PM	0.86	1.29

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		PM ₁₀	0.86	1.29
		PM _{2.5}	0.86	1.29
FUG1	Rotary Calciner Building (5)	PM	0.01	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FUG2	Grandslam Crusher Building (5)	PM	0.06	0.02
		PM ₁₀	0.02	0.01
		PM _{2.5}	0.02	0.01
FUG3	Calcine Clay Storage Building (5)	PM	0.02	0.01
		PM ₁₀	0.01	0.01
		PM _{2.5}	0.01	0.01
FUG4	Raw Material Clay Storage (5)	PM	0.08	0.04
		PM ₁₀	0.02	0.01
		PM _{2.5}	0.02	0.01
FUG5	Shapes Operation Building (5)	PM	0.10	0.03
		PM ₁₀	0.04	0.01
		PM _{2.5}	0.04	0.01
FUG6	ENP Manufacturing Building (5)	PM	1.05	0.50
		PM ₁₀	0.80	0.40
		PM _{2.5}	0.80	0.40
FUG7	Swindell Coatings Storage Building (5)	PM	0.16	0.10
		PM ₁₀	0.13	0.10
		PM _{2.5}	0.13	0.10
FUG8	Harrop Building (5)	PM	< 0.01	< 0.01
		PM ₁₀	< 0.01	< 0.01
		PM _{2.5}	< 0.01	< 0.01
FUG10	Grinding Plant Building (5)	PM	1.42	0.45
		PM ₁₀	0.14	0.04
		PM _{2.5}	0.14	0.04

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FUG11	Stockpile (5)	PM	--	7.23
		PM ₁₀	--	3.61
		PM _{2.5}	--	3.61
	Site-Wide	Individual HAP	--	< 10
		Combined HAPs	--	< 25

- (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
- HCl
 - hydrogen chloride
- HF
 - hydrogen fluoride
- HAP
 - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (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: January 15, 2019