

Emission Sources - Maximum Allowable Emission Rates

Permit Number 36297

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)	Facility Identification No. (2)	Source Name (3)	Air Contaminant Name (4)	Emission Rates (11)	
				lbs/hour	TPY (5)
YE-FUG	YE-HOPLOAD, YE-BPLOAD, YE-PILE, and YE-PILELOAD	Hopper Loading, Blast Pot Loading, Stockpiling/Spent Material Handling, and Spent Media Off-Site Disposal	PM	0.15	(10)
			PM ₁₀	0.07	
			PM _{2.5}	0.07	
	YEBH-3B through YEBH-11B and YE-BLAST	Blasting Operations	PM	98.84	(10)
			PM ₁₀	11.75	
			PM _{2.5}	1.76	
	YEBH-3P through YEBH-11P and YE-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	4.41	(10)
			PM ₁₀	0.40	
			PM _{2.5}	<0.01	
			VOC	281.25	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	17.63	
			PM ₁₀	1.59	
			PM _{2.5}	<0.01	
			VOC	1125.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	3.39	
			PM ₁₀	0.31	
			PM _{2.5}	<0.01	
			VOC	360.00	

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YW-FUG	YW-HOPLOAD, YW-BPLOAD, YW-BLAST, YW-PILE, and YW-PILELOAD	Hopper Loading, Blast Pot Loading, Blasting Operations, Stockpiling/ Spent Material Handling, and Spent Media Off-Site Disposal	PM	0.15	(10)
			PM ₁₀	0.07	
			PM _{2.5}	0.07	
	YW-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	4.41	(10)
			PM ₁₀	0.40	
			PM _{2.5}	<0.01	
			VOC	281.25	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	17.63	
			PM ₁₀	1.59	
			PM _{2.5}	<0.01	
			VOC	1125.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	3.39	
			PM ₁₀	0.31	
			PM _{2.5}	<0.01	
			VOC	360.00	

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YWK-FUG	YWK-HOPLOAD, YWK-BPLOAD, YWK-BLAST, YWK-PILE, and YWK-PILELOAD	Hopper Loading, Blast Pot Loading, Blasting Operations, Stockpiling/ Spent Material Handling, and Spent Media Off-Site Disposal	PM	13.22	(10)
			PM ₁₀	1.59	
			PM _{2.5}	0.26	
	YWK-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	0.74	(10)
			PM ₁₀	0.07	
			PM _{2.5}	<0.01	
			VOC	47.25	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	2.96	
			PM ₁₀	0.27	
			PM _{2.5}	<0.01	
			VOC	189.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	0.85	
			PM ₁₀	0.08	
			PM _{2.5}	<0.01	
			VOC	108.00	

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D1-FUG	D1-HOPLOAD, D1-BPLOAD, D1-BLAST, D1-CLEAN, and D1-FUEL	Hopper Loading, Blast Pot Loading, Blasting Operations, Vessel Tank Cleaning, and Marine Vessel Fuel Loading/Unloading	PM	9.09	(10)
			PM ₁₀	1.09	
			PM _{2.5}	0.18	
			VOC	12.85	
	D1-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	0.71	(10)
			PM ₁₀	0.06	
			PM _{2.5}	<0.01	
			VOC	67.50	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	2.82	
			PM ₁₀	0.25	
			PM _{2.5}	<0.01	
			VOC	270.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	0.85	
			PM ₁₀	0.08	
			PM _{2.5}	<0.01	
			VOC	90.00	
D2-FUG	D2-HOPLOAD D2-BPLOAD D2-BLAST D2-CLEAN D2-FUEL	Hopper Loading, Blast Pot Loading, Blasting Operations, Vessel Tank Cleaning, and Marine Vessel Fuel Loading/Unloading	PM	9.09	(10)
			PM ₁₀	1.09	
			PM _{2.5}	0.18	
			VOC	12.85	
	D2-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	0.71	(10)
			PM ₁₀	0.06	
			PM _{2.5}	<0.01	
			VOC	67.50	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	2.82	

Emission Sources - Maximum Allowable Emission Rates

			PM ₁₀	0.25	
			PM _{2.5}	<0.01	
			VOC	270.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	0.85	
			PM ₁₀	0.08	
			PM _{2.5}	<0.01	
			VOC	90.00	
D3-FUG	D3-HOPLOAD, D3-BPLOAD, D3-BLAST, D3-CLEAN, and D3-FUEL	Hopper Loading, Blast Pot Loading, Blasting Operations, Vessel Tank Cleaning, and Marine Vessel Fuel Loading/Unloading	PM	9.09	(10)
			PM ₁₀	1.09	
			PM _{2.5}	0.18	
			VOC	12.85	
	D3-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	0.71	(10)
			PM ₁₀	0.06	
			PM _{2.5}	<0.01	
			VOC	67.50	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	2.82	
			PM ₁₀	0.25	
			PM _{2.5}	<0.01	
			VOC	270.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	0.85	
			PM ₁₀	0.08	
			PM _{2.5}	<0.01	
			VOC	90.00	
D4-FUG	D4-HOPLOAD, D4-BPLOAD, D4-BLAST, D4-CLEAN, and D4-FUEL	Hopper Loading, Blast Pot Loading, Blasting Operations, Vessel Tank Cleaning, and Marine Vessel Fuel Loading/Unloading	PM	9.09	(10)
			PM ₁₀	1.09	

Emission Sources - Maximum Allowable Emission Rates

			PM _{2.5}	0.18	(10)
			VOC	12.85	
	D4-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	0.71	
			PM ₁₀	0.06	
			PM _{2.5}	<0.01	
			VOC	67.50	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	2.82	
			PM ₁₀	0.25	
			PM _{2.5}	<0.01	
			VOC	270.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	0.85	
			PM ₁₀	0.08	
			PM _{2.5}	<0.01	
			VOC	90.00	
D5-FUG	D5-HOPLOAD, D5-BPLOAD, D5-BLAST, D5-CLEAN, and D5-FUEL	Hopper Loading, Blast Pot Loading, Blasting Operations, Vessel Tank Cleaning, and Marine Vessel Fuel Loading/Unloading	PM	9.09	
			PM ₁₀	1.09	
			PM _{2.5}	0.18	
			VOC	12.85	
	D5-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	0.71	
			PM ₁₀	0.06	
			PM _{2.5}	<0.01	
			VOC	67.50	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	2.82	
			PM ₁₀	0.25	
	PM _{2.5}	<0.01			

Emission Sources - Maximum Allowable Emission Rates

			VOC	270.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	0.85	
			PM ₁₀	0.08	
			PM _{2.5}	<0.01	
			VOC	90.00	
D6-FUG	D6-HOPLOAD, D6-BPLOAD, D6-BLAST, D6-CLEAN, and D6-FUEL	Hopper Loading, Blast Pot Loading, Blasting Operations, Vessel Tank Cleaning, and Marine Vessel Fuel Loading/Unloading	PM	9.09	(10)
			PM ₁₀	1.09	
			PM _{2.5}	0.18	
			VOC	12.85	
	D6-PAINT	Painting Operations (8:00 a.m. - 9:00 a.m.)	PM	0.71	(10)
			PM ₁₀	0.06	
			PM _{2.5}	<0.01	
			VOC	67.50	
		Painting Operations (9:00 a.m. - 5:00 p.m.)	PM	2.82	
			PM ₁₀	0.25	
			PM _{2.5}	<0.01	
			VOC	270.00	
		Painting Operations (5:00 p.m. - 8:00 a.m.)	PM	0.85	
			PM ₁₀	0.08	
			PM _{2.5}	<0.01	
			VOC	90.00	
BH-BAG1	BH-LOAD and BH-BOOTH1	Blast House - Baghouse 2 Stack and Steel Shot Loading and Blasting Operations	PM	0.02	0.01
			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
BH-BAG2	BH-LOAD and BH-BOOTH2	Blast House - Baghouse 2 Stack and Steel Shot Loading	PM	0.02	0.01

Emission Sources - Maximum Allowable Emission Rates

			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
BH-P1a	BH-BOOTH1	Blast House - Paint Booth 1 Stack a	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P1b	BH-BOOTH1	Blast House - Paint Booth 1 Stack b	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P1c	BH-BOOTH1	Blast House - Paint Booth 1 Stack c	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P1d	BH-BOOTH1	Blast House - Paint Booth 1 Stack d	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P1e	BH-BOOTH1	Blast House - Paint Booth 1 Stack e	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P1f	BH-BOOTH1	Blast House - Paint Booth 1 Stack f	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	

Emission Sources - Maximum Allowable Emission Rates

			VOC	16.88	
BH-P1g	BH-BOOTH1	Blast House - Paint Booth 1 Stack g	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P1h	BH-BOOTH1	Blast House - Paint Booth 1 Stack h	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P2a	BH-BOOTH2	Blast House - Paint Booth 2 Stack a	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P2b	BH-BOOTH2	Blast House - Paint Booth 2 Stack b	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P2c	BH-BOOTH2	Blast House - Paint Booth 2 Stack c	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P2d	BH-BOOTH2	Blast House - Paint Booth 2 Stack d	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	

Emission Sources - Maximum Allowable Emission Rates

BH-P2e	BH-BOOTH2	Blast House - Paint Booth 2 Stack e	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P2f	BH-BOOTH2	Blast House - Paint Booth 2 Stack f	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P2g	BH-BOOTH2	Blast House - Paint Booth 2 Stack g	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P2h	BH-BOOTH2	Blast House - Paint Booth 2 Stack h	PM	0.01	
			PM ₁₀	<0.01	
			PM _{2.5}	<0.01	
			VOC	16.88	
BH-P1a through BH-P1h and BH-P2a through BH-P2h	BH-BOOTH1 and BH-BOOTH2	Blast House - Paint Booth 1 and Blast House - Paint Booth 2	PM		0.01
			PM ₁₀		<0.01
			PM _{2.5}		<0.01
			VOC		31.50
WB1-LDFUG	WB1-LOAD	Wheelabrator 1 Loading	PM	<0.01	<0.01
			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
WB1-BAG	WB1-BLAST	Wheelabrator 1 Blasting	PM	0.02	0.03
			PM ₁₀	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

			PM _{2.5}	<0.01	<0.01
WB1-PAINT	WB1-PAINT	Wheelabrator 1 Painting (8:00 a.m. - 9:00 a.m.)	PM	0.07	<0.01
			PM ₁₀	0.01	<0.01
			PM _{2.5}	<0.01	<0.01
		Wheelabrator 1 Painting (9:00 a.m. - 5:00 p.m.)	PM	0.28	<0.01
			PM ₁₀	0.03	<0.01
			PM _{2.5}	<0.01	<0.01
WB1-DRY	WB1-DRY	Wheelabrator 1 Dryer Stack	PM	0.01	0.02
			PM ₁₀	0.01	0.02
			PM _{2.5}	0.01	0.02
			SO ₂	<0.01	<0.01
			NO _x	0.13	0.24
			CO	0.11	0.20
			VOC	0.01	0.01
WB2-LDFUG	WB2-LOAD	Wheelabrator 2 Loading	PM	<0.01	<0.01
			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
WB2-BAG	WB2-BLAST	Wheelabrator 2 Blasting	PM	0.01	0.01
			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
WB2-PAINT	WB2-PAINT	Wheelabrator 2 Painting (8:00 a.m. - 9:00 a.m.)	PM	0.04	<0.01
			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
		Wheelabrator 2 Painting (9:00 a.m. - 5:00 p.m.)	PM	0.15	<0.01
			PM ₁₀	<0.01	<0.01

Emission Sources - Maximum Allowable Emission Rates

			PM _{2.5}	<0.01	<0.01
WB2-HEAT	WB2-HEAT	Wheelabrator 2 Preheater Stack	PM	0.01	0.01
			PM ₁₀	0.01	0.01
			PM _{2.5}	0.01	0.01
			SO ₂	<0.01	<0.01
			NO _x	0.10	0.18
			CO	0.08	0.15
			VOC	0.01	0.01
WB3-LDFUG	WB3-LOAD	Wheelabrator 3 Loading	PM	<0.01	<0.01
			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
WB3-BAG	WB3-BLAST	Wheelabrator 3 Blasting	PM	0.01	0.01
			PM ₁₀	<0.01	<0.01
			PM _{2.5}	<0.01	<0.01
DTANK	DTANK	Diesel Tank	VOC	0.39	0.01
GTANK	GTANK	Gasoline Tank	VOC	7.98	0.30

Emission Sources - Maximum Allowable Emission Rates

Totals:

Emission Point No. (1)	Source Name (3)	Air Contaminant Name (4)	Emission Rates	
			lbs/hour	TPY (5)
YD-FUG (Includes YE-FUG, YW-FUG, YWK-FUG, D1-FUG, D2-FUG, D3-FUG, D4-FUG, D5-FUG, and D6-FUG)	Yards and Docks Fugitives - Painting 8:00 a.m. - 9:00 a.m.)	PM	4.41	
		PM ₁₀	<0.01	
		PM _{2.5}	<0.01	
		VOC	281.25	
	Yards and Docks Fugitives - Painting 9:00 a.m. - 5:00 p.m.)	PM	17.63	
		PM ₁₀	1.60	
		PM _{2.5}	<0.01	
		VOC	1125.00	
	Yards and Docks Fugitives - Painting 5:00 p.m. - 8:00 a.m.)	PM	3.39	
		PM ₁₀	0.31	
		PM _{2.5}	<0.01	
		VOC	360.00	
	Yards and Docks Fugitives - Non-Painting	PM	219.62	
		PM ₁₀	26.00	
		PM _{2.5}	4.20	
		VOC	85.49	
	Yards and Docks Fugitives - Painting and Non-Painting	PM		45.16
		PM ₁₀		5.40
		PM _{2.5}		0.88
		VOC		178.63
Emission Point No. (1)	Source Name (3)	Air Contaminant	Emission Rates	

Emission Sources - Maximum Allowable Emission Rates

			lbs/hour	TPY (5)
WB1-PAINT	Wheelabrator 1 Painting	PM		<0.01
		PM ₁₀		<0.01
		PM _{2.5}		<0.01
WB2-PAINT	Wheelabrator 2 Painting	PM		<0.01
		PM ₁₀		<0.01
		PM _{2.5}		<0.01

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Facility identification number - as represented in Table 1(a)
- (3) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (4) 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}
 PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 CO - carbon monoxide
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Emissions from painting operations 8 a.m. to 9 a.m.
- (7) Emissions from painting operations 9 a.m. to 5 p.m.
- (8) Emissions from painting operations 5 p.m. to 8 a.m.
- (9) Emissions from non-painting operations
- (10) Included in YD-FUG annual emission rates
- (11) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: March 15, 2013