

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20224

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)
TRP-1	Rough Rice Receiving Pit (5)	PM	0.18	0.07
		PM ₁₀	0.04	0.02
		PM _{2.5}	<0.01	<0.01
TRP-2	Brown Rice Receiving Pit (5)	PM	0.12	0.24
		PM ₁₀	0.03	0.05
		PM _{2.5}	<0.01	<0.01
TRP-3	White Rice Receiving Pit (5)	PM	0.29	1.11
		PM ₁₀	0.09	0.36
		PM _{2.5}	0.02	0.06
HTR-1	Rice Dryer Heater #1 Vent	PM	0.02	--
		PM ₁₀	0.02	--
		PM _{2.5}	0.02	--
		NOx	0.21	--
		CO	0.18	--
		SO ₂	<0.01	--
		VOC	0.01	--
HTR-2	Rice Dryer Heater #2 Vent	PM	0.02	--
		PM ₁₀	0.02	--
		PM _{2.5}	0.02	--
		NOx	0.21	--
		CO	0.18	--
		SO ₂	<0.01	--

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		VOC	0.01	--
HTR-3	Rice Dryer Heater #3 Vent	PM	0.02	--
		PM ₁₀	0.02	--
		PM _{2.5}	0.02	--
		NOx	0.21	--
		CO	0.18	--
		SO ₂	<0.01	--
		VOC	0.01	--
HTR-4	Rice Dryer Heater #4 Vent	PM	0.02	--
		PM ₁₀	0.02	--
		PM _{2.5}	0.02	--
		NOx	0.21	--
		CO	0.18	--
		SO ₂	<0.01	--
		VOC	0.01	--
	Total Annual Rice Dryer Heater Operations	PM	--	0.20
		PM ₁₀	--	0.20
		PM _{2.5}	--	0.20
		NOx	--	2.63
		CO	--	2.21
		SO ₂	--	0.02
		VOC	--	0.14
DRY	Rice Dryer (5)	PM	7.25	6.41
		PM ₁₀	7.25	6.41
		PM _{2.5}	7.25	6.41
SCALP-1	Scalper Machine #1 Cyclones Stack	PM	0.14	--
		PM ₁₀	0.08	--
		PM _{2.5}	0.01	--
SCALP-2	Scalper Machine #2	PM	0.14	--

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		PM ₁₀	0.08	--
		PM _{2.5}	0.01	--
	Total Annual Scalper Machines Cyclones Stack	PM	--	0.12
		PM ₁₀	--	0.07
		PM _{2.5}	--	0.01
CLEAN	Brown Rice Mill Cleaning System Cyclones Stack	PM	0.03	0.43
		PM ₁₀	0.02	0.24
		PM _{2.5}	<0.01	0.04
DEHULL-1	Brown Rice Mill Dehulling System Cyclones Stack	PM	0.03	0.43
		PM ₁₀	0.02	0.24
		PM _{2.5}	<0.01	0.04
DEHULL-2	Brown Rice Mill Hulls Conveyance Cyclones Stack	PM	<0.01	0.09
		PM ₁₀	<0.01	0.05
		PM _{2.5}	<0.01	<0.01
DEHULL-3	Brown Rice Mill (after Hammer Mill) Baghouse Stack	PM	0.48	1.50
		PM ₁₀	0.48	1.50
		PM _{2.5}	0.48	1.50
SCREEN	White Rice Mill Bran House Baghouse Stack	PM	0.48	1.50
		PM ₁₀	0.48	1.50
		PM _{2.5}	0.48	1.50
STONE	Destoner Baghouse Stack	PM	0.65	2.03
		PM ₁₀	0.65	2.03
		PM _{2.5}	0.65	2.03
TRLOAD-1	Scalper Trash Truck Loadout (5)	PM	0.06	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	<0.01	<0.01
TRLOAD-2	Outdoor Bin Truck Loadout (5)	PM	0.96	0.19
		PM ₁₀	0.32	0.06
		PM _{2.5}	0.05	0.01

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TRLOAD-3	Brown Rice Mill Cleaning System Truck Loadout (5)	PM	0.04	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
TRLOAD-4	Brown Rice Mill Dehuller Trash Loadout (5)	PM	0.79	0.02
		PM ₁₀	0.27	<0.01
		PM _{2.5}	0.05	<0.01
TRLOAD-5	Brown Rice Mill Loadout (5)	PM	0.18	0.53
		PM ₁₀	0.06	0.18
		PM _{2.5}	0.01	0.03
TRLOAD-6	White Rice Mill Bran Loadout (5)	PM	0.17	<0.01
		PM ₁₀	0.06	<0.01
		PM _{2.5}	<0.01	<0.01
TRLOAD-7	White Rice Mill Brokens Loadout (5)	PM	0.27	0.01
		PM ₁₀	0.09	<0.01
		PM _{2.5}	0.02	<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 are included. Maintenance activities are not authorized by this permit.

Date: June 22, 2016