

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 150155

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)
PDP-01	Frontend Loader to Dozer Trap (5)	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
PDP-02	Dozer Trap to Overland Conveyor (5)	PM	0.14	0.61
		PM <sub>10</sub>	0.05	0.20
		PM <sub>2.5</sub>	0.01	0.06
PDP-03	Overland Conveyor to Jump Conveyor (5)	PM	0.14	0.61
		PM <sub>10</sub>	0.05	0.20
		PM <sub>2.5</sub>	0.01	0.06
PDP-04	Jump Conveyor to TeleStacker (5)	PM	0.14	0.61
		PM <sub>10</sub>	0.05	0.20
		PM <sub>2.5</sub>	0.01	0.06
PDP-05	TeleStacker to Wet Feed Pile (5)	PM	3.13	13.71
		PM <sub>10</sub>	1.48	6.48
		PM <sub>2.5</sub>	0.22	0.98
PDP-06	Wet Feed Pile (5)	PM	-	3.22
		PM <sub>10</sub>	-	1.61
		PM <sub>2.5</sub>	-	0.64
PDP-07	Wet Feed Pile to Discharge Conveyor (5)	PM	0.11	0.49
		PM <sub>10</sub>	0.04	0.16
		PM <sub>2.5</sub>	0.01	0.05
PDP-08	Discharge Conveyor to Belt Conveyors (5)	PM	0.11	0.49
		PM <sub>10</sub>	0.04	0.16
		PM <sub>2.5</sub>	0.01	0.05

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PDP-09	Belt Conveyors to Wet Plant (5)	PM	0.11	0.49
		PM <sub>10</sub>	0.04	0.16
		PM <sub>2.5</sub>	0.01	0.05
PDP-10	TeleStacker to Dry Feed Pile (5)	PM	0.36	1.57
		PM <sub>10</sub>	0.17	0.74
		PM <sub>2.5</sub>	0.03	0.11
PDP-11	Dry Feed Pile (5)	PM	-	2.07
		PM <sub>10</sub>	-	1.04
		PM <sub>2.5</sub>	-	0.41
PDP-12	Dry Feed Pile to Discharge Conveyors (5)	PM	0.11	0.49
		PM <sub>10</sub>	0.04	0.16
		PM <sub>2.5</sub>	0.01	0.05
PDP-13	Discharge Conveyors to Channel Feed Conveyors (5)	PM	0.11	0.49
		PM <sub>10</sub>	0.04	0.16
		PM <sub>2.5</sub>	0.01	0.05
DPA-01	Dryer A Baghouse Stack (77 MMBtu/hr)	PM	2.87	12.55
		PM <sub>10</sub>	2.87	12.55
		PM <sub>2.5</sub>	2.08	9.11
		SO <sub>2</sub>	0.05	0.20
		NO <sub>x</sub>	10.01	43.84
		VOC	0.39	1.69
		CO	7.70	33.73
DPB-01	Dryer B Baghouse Stack (77 MMBtu/hr)	PM	2.87	12.55
		PM <sub>10</sub>	2.87	12.55
		PM <sub>2.5</sub>	2.08	9.11
		SO <sub>2</sub>	0.05	0.20
		NO <sub>x</sub>	10.01	43.84
		VOC	0.39	1.69
		CO	7.70	33.73

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SCR-01	Screening Operation 1 Baghouse Stack	PM	0.60	2.63
		PM <sub>10</sub>	0.60	2.63
		PM <sub>2.5</sub>	0.17	0.74
SCR-02	Screening Operation 2 Baghouse Stack	PM	0.60	2.63
		PM <sub>10</sub>	0.60	2.63
		PM <sub>2.5</sub>	0.17	0.74
SCR-03	500-Ton Waste Sand Silo Bin Vent	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
SCR-04	Waste Sand Silo – Truck Loadout Spout (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
SCR-05	Return Waste Sand to Mine (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
PSS	Product Sand Silo Bin Vents (6 total)	PM	0.01	0.05
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
PSL	Product Sand - Truck Loadout Spouts (6 stations) (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	0.99	4.33
EMGEN	Natural Gas-Fired Emergency Generators (4 total) (4.51 MMBtu/hr each)	PM	0.35	0.09
		PM <sub>10</sub>	0.35	0.09
		PM <sub>2.5</sub>	0.35	0.09
		SO <sub>2</sub>	0.01	<0.01
		NO <sub>x</sub>	15.60	3.90
		VOC	0.53	0.13
		CO	31.20	7.80

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AST-01	20,000-Gallon Diesel AST	VOC	0.20	<0.01
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- (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<sub>x</sub>
  - total oxides of nitrogen
- SO<sub>2</sub>
  - sulfur dioxide
- PM
  - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub>
  - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub>
  - 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: June 21, 2018