

Emission Sources - Maximum Allowable Emission Rates

Permit Number 115417

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)
STGCELL	Staging Cells (5) (3 Cells)	VOC	2.62	11.50
		HAPs	1.65	7.22
MECHTR	Mechanical Treatment (5)	VOC	0.001	0.003
		PM	0.07	0.30
		PM ₁₀	0.07	0.30
		PM _{2.5}	0.01	0.05
EVAPPOND	Water Management Pond (5)	VOC	0.01	0.03
		HAPs	0.15	0.03
TRCELL	Treatment Cells (5) (5 Cells)	VOC	3.72	16.28
		HAPs	3.24	14.20
DISPOSAL	Disposal Cells (5) (2 Cells)	VOC	0.12	0.51
		HAPs	0.10	0.44
TRUCKWASH	Truck Wash (5)	VOC	0.01	0.05
TWOWS	Truck Wash Gun Barrel Tank Vent (Oil /Water Separator)	VOC	0.009	0.04
TWWWTK	Truck Wash Waste Water Tanks Vent (TWWWTK 1 and 2)	VOC	0.34	1.49
TWOILTK	Truck Wash Oil Tank Vent	VOC	0.10	0.44
WASHTR	Wash Trench (5)	VOC	<0.0001	<0.0001
		HAPs	<0.0001	<0.0001

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OVS	Oil/Water Separator Tanks Vents (OWST 1 and 2)	VOC	0.01	0.03
WRTTANKS	Receiving Tank Vent	VOC	0.22	0.96
OILTANKS	Oil Storage Tanks Vents (T9 and T10)	VOC	0.23	1.01
EQTANKS	Equalization Tanks Vents (T1–T8)	VOC	0.36	1.60
LOADING	Oil Loading (5)	VOC	0.11	0.46
TDUPROP	Thermal Desorption Unit (Propane Combustion) (5)	NO _x	0.85	3.73
		CO	0.49	2.15
		SO ₂	0.10	0.43
		PM	0.05	0.20
		PM ₁₀	0.05	0.20
		PM _{2.5}	0.05	0.20
		VOC	0.07	0.29
TDUSOIL	Thermal Desorption Unit (Soil Waste Combustion) (5)	VOC	0.08	0.36
		HAPs	0.03	0.13
TDUOILTK	Oil Storage Tanks Vents (OST1 and OST2)	VOC	0.23	1.02
TDUWWTK	Wash Water Tanks Vents (WWT1 and WWT2)	VOC	0.05	0.23
LEACHATE	Leachate Storage Tank Vent	VOC	0.01	0.04
DSLTK1	Diesel Storage Tank 1 Vent	VOC	0.001	0.005

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DSLTK2	Diesel Storage Tank 2 Vent	VOC	0.001	0.005
RBAGG	Roadbase Aggregate Handling (5)	PM	0.43	0.46
		PM ₁₀	0.43	0.46
		PM _{2.5}	0.07	0.07
RBER1	Roadbase Stockpiles (5) (Roadbase Aggregate, Treated Waste, and Roadbase Material)	PM	0.17	0.76
		PM ₁₀	0.17	0.76
		PM _{2.5}	0.09	0.40
RBPZ	Pozzolan Silo Vent	PM	0.03	<0.02
		PM ₁₀	0.02	<0.01
		PM _{2.5}	<0.01	<0.01
RBSCR	Crushing and Screening (5)	PM	1.77	0.15
		PM ₁₀	0.83	0.07
		PM _{2.5}	0.14	0.01
RBPUG	Pugmill Mixer (5)	PM	0.43	0.19
		PM ₁₀	0.14	0.06
		PM _{2.5}	0.001	0.001
		VOC	0.02	0.01
		HAPs	<0.001	0.0001
RBENG	Crusher Engine Stack	PM	0.07	0.06
		PM ₁₀	0.07	0.06
		PM _{2.5}	0.07	0.06
		NO _x	3.93	3.14
		CO	0.98	0.79
		SO ₂	0.004	0.003
		VOC	0.83	0.66

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RBER2	Raw Rock and Screened Fines Stockpiles (5)	PM	0.16	0.72
		PM ₁₀	0.08	0.36
		PM _{2.5}	0.04	0.18

- (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
- 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 and will need separate authorization unless the activity can meet conditions of 30 TAC 116.119.

Date: December 30, 2014