Emission Sources - Maximum Allowable Emission Rates

Permit Number 56626

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	
			lbs/hour	TPY (4)
41201	1,000-hp Ingersoll Rand KVG-103 Compressor Engine 4 stroke lean burn	NO_x	4.63	19.00
		CO	6.94	29.00
		VOC	2.31	9.70
		SO_2	0.01	0.03
		PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
		HAP	1.33	5.80
41202	1,000-hp Ingersoll Rand KVG-103 Compressor Engine 4 stroke lean burn	NO_x	4.63	19.00
		CO	6.94	29.00
		VOC	2.31	9.70
		SO_2	0.01	0.03
		PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
		HAP	1.33	5.80
41203	1,000-hp Ingersoll Rand KVG-103 Compressor Engine 4 stroke lean burn	NO_x	4.63	19.00
		CO	6.94	29.00
		VOC	2.31	9.70
		SO_2	0.01	0.03
		PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
		HAP	1.33	5.80
41204	1,000-hp Ingersoll Rand KVG-103 Compressor Engine 4 stroke lean burn	NO_x	4.63	19.00

Emission Sources - Maximum Allowable Emission Rates

		CO	6.94	29.00
		VOC	2.31	9.70
		SO_2	0.01	0.03
		PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
		HAP	1.33	5.80
41205	1,000-hp Ingersoll Rand KVG-103 Compressor Engine 4 stroke lean burn	NO_x	4.63	19.00
		CO	6.94	29.00
		VOC	2.31	9.70
		SO_2	0.01	0.03
		PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
		HAP	1.33	5.80
41206	1,100-hp Ingersoll Rand KVG-410 Compressor Engine 4 stroke lean burn	NO_x	5.09	21.00
		CO	7.64	32.00
		VOC	2.55	11.00
		SO_2	0.01	0.03
		PM	0.12	0.51
		PM_{10}	0.12	0.51
		$PM_{2.5}$	0.12	0.51
		HAP	1.47	6.40
41207	2,000-hp Ingersoll Rand KVS-412 Compressor Engine 4 stroke lean burn	NO_x	13.90	58.00
		CO	13.90	58.00
		VOC	4.63	19.00

Emission Sources - Maximum Allowable Emission Rates

		SO_2	0.01	0.05
		PM	0.20	0.83
		PM_{10}	0.20	0.83
		$PM_{2.5}$	0.20	0.83
		HAP	2.67	11.7
41208	2,000-hp Ingersoll Rand KVS-412 Compressor Engine 4 stroke lean burn	NO_x	13.90	58.00
		CO	13.90	58.00
		VOC	4.63	19.00
		SO_2	0.01	0.05
		PM	0.20	0.83
		PM_{10}	0.20	0.83
		$PM_{2.5}$	0.20	0.83
		HAP	2.67	11.7
41209	2,000-hp Ingersoll Rand KVS-412 Compressor Engine 4 stroke lean burn	NO_x	13.90	58.00
		CO	13.90	58.00
		VOC	4.63	19.00
		SO_2	0.01	0.05
		PM	0.20	0.83
		PM_{10}	0.20	0.83
		$PM_{2.5}$	0.20	0.83
		HAP	2.67	11.7
41201 through 41209	Vidor Compressor Engine Cap (6)	NO_x	--	234.00
		CO	--	232.00
		VOC	--	116.50
		SO_2	--	0.33
		PM	--	5.55
		PM_{10}	--	5.55

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	--	5.55
		HAP	--	70.66
412-V1, 412-V2, and/or ATM	MSS Gas Release from 412-V1, 412-V2, and/or ATM	VOC	1080.00	30.00
412-V4S	MSS Gas Release from 412-V4S	VOC	0.86	0.01
412-V4D	MSS Gas Release from 412-V4D	VOC	0.86	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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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 (subset of VOC)
(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) All engines combined must not exceed the annual cap for each pollutant.

Date: January 9, 2017