Emission Sources - Maximum Allowable Emission Rates

Permit Number 8418 and N174

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)
6 and 7	DIB 300 Unit: Three 501 KC5 Allison Turbines Exhausting into a Heat Recovery Unit that exhausts thru 2 stacks	NO_x	32.40	119.57
		CO	8.62	33.48
		CO (8)	20.52	
		SO_2	2.30	1.01
		PM	0.76	3.15
		PM_{10}	0.76	3.15
		$PM_{2.5}$	0.76	3.15
		VOC	0.28	1.12
6 and 7	DIB 300 Unit: FIN D300-DT2 – 15 MMBtu/hr Duct Burners (5)	NO_x	0.00	0.00
		VOC	0.00	0.00
8 and 9	DIB 400 Unit: Three 501 KC5 Allison Turbines Exhausting into a Heat Recovery Unit that exhausts thru 2 stacks	NO_x	32.40	119.57
		CO	8.62	33.48
		CO (8)	20.52	
		SO_2	2.30	1.01
		PM	0.76	3.15
		PM_{10}	0.76	3.15
		$PM_{2.5}$	0.76	3.15
		VOC	0.28	1.12
14	DIB 600 Unit: 501 KC5 Allison Turbine with Water Injection	NO_x	7.00	30.66
		CO	4.50	19.99
		CO (8)	14.78	

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		SO_2	0.65	0.30
		PM	0.18	0.81
		PM_{10}	0.18	0.81
		$PM_{2.5}$	0.18	0.81
		VOC	0.80	3.50
15	DIB 1200 Unit: 501 KC5 Allison Turbine with Water Injection	NO_x	7.00	30.66
		CO	4.50	19.99
		CO (8)	14.78	
		SO_2	0.65	0.30
		PM	0.18	0.81
		PM_{10}	0.18	0.81
		$PM_{2.5}$	0.18	0.81
		VOC	0.80	3.50
FUG8418	DIB 300, 400, 600, 600, 1200 and Butamer I & II Units Fugitives (6)	VOC	5.05	22.11
FUG-SRU	PDH Sulfur Removal Unit Equipment Leak Fugitives (6)(7)	VOC	0.22	0.96
F-4	Deisobutanizer Units I and II Fugitives (6)	VOC	0.03	0.14

(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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM10 and PM2.5, as represented
PM_{10} - total particulate matter, suspended in the atmosphere 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.

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(5) The authorized emissions have been used in the issuance of Emission Reduction Credits and cannot be increased during the service life of the facility. (EBT Project 414324 and Permit Project 317055). This limit is effective until the facility is permanently removed from the site.
(6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
(7) Fugitive components represented by this EPN are subject to 28LAER.
(8) Increased allowable emission rate during startup, shutdown and water wash of the turbine(s).

Date: February 11, 2022