

Emission Sources - Maximum Allowable Emission Rates

Permit Number 104152

[614313] Draft!!

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)
B39FU1 (5)	LEN Process Area Fugitives	VOC	1.08	-
		Refrigerant	0.04	-
B39FU2 (5)	LEN East Tank Farm Fugitives	VOC	0.18	-
B39FU3 (5)	LEN West Tank Farm Fugitives	VOC	0.16	-
B39HB167 (5)	Polymer Filter	VOC	0.01	-
B39OS167 (5)	Process Sump	VOC	0.01	-
B52CT1 (5)	B-5200 Cooling Tower	VOC	0.42	-
		Acetone	0.42	-
B52FU1 (5)	B-5200 Area Fugitives	VOC	3.89	-
		Acetone	5.86	-
		Refrigerant	0.07	-
B52CT1 and B52FU1	Fugitive Emissions Source Group Cap 1 (5)	VOC	-	6.08
		Acetone	-	9.97
		Refrigerant	-	0.31
B39FU1, B39FU2, B39FU3, B39HB167, and B39OS167	Fugitive Emissions Source Group Cap 2 (5)	VOC	-	4.41
		Refrigerant	-	0.16
B52CT1	B-5200 Cooling Tower	PM	0.26	-
		PM ₁₀	0.26	-

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B52V001	Product Recycling and Reprocessing System	PM	0.01	-
		PM ₁₀	0.01	-
B52V600	SER Hoppers and Conveying System	PM	0.01	-
		PM ₁₀	0.01	-
B52V601	25 kg Bagging Machine	PM	0.01	-
		PM ₁₀	0.01	-
B52V602	Conveying to Bulk Bagging System	PM	0.01	-
		PM ₁₀	0.01	-
B52V605	Bulk Bagging System	PM	0.01	-
		PM ₁₀	0.01	-
B52CT1, B52V001, B52V600, B52V601, B52V602 and B52V605	Particulate Matter Emissions Source Group Cap	PM	-	0.64
		PM ₁₀	-	0.64
B52DL1	Drum and Dempster Loading	VOC	7.76	-
		Acetone	9.89	-
B52LR1	Tank Truck and Railcar Loading (Materials with VP < 0.5 psia)	VOC	4.46	-
B52LR2	Tank Truck and Railcar Loading (Materials with VP ≥ 0.5 psia)	VOC	4.63	-
		Acetone	6.07	-
B52DL1, B52LR1 and B52LR2	Loading Emissions Source Group Cap	VOC	-	6.94
		Acetone	-	14.56
B52CB2	Adsorption Vent	VOC	3.50	0.58
		Acetone	3.82	1.63
B39SV170	SV-170 Absorber	VOC	0.79	-
B39SV173	SV-173 Absorber	VOC	0.35	-
B52SV600	SER Batch Process Vent	VOC	0.17	-
B52SV700	EPG Process Vent	VOC	0.51	-

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B52SV600 and B52SV700	Absorption Emissions Source Group Cap 1	VOC	-	0.78
B39SV170 and B39SV173	Absorption Emissions Source Group Cap 2	VOC	-	1.72
B52ST37	Wastewater Tank	VOC	0.06	-
		Acetone	0.14	-
B52ST38	D-38 Wastewater Tank	VOC	0.12	-
		Acetone	0.26	-
B52ST107	Wastewater Tank	VOC	0.05	-
		Acetone	0.12	-
B52ST356	D-356 Storage Tank	VOC	0.10	-
B52ST357	D-357 Storage Tank	VOC	0.01	-
B52ST358	D-358 Storage Tank	VOC	0.01	-
B52ST503	D-503 Storage Tank	VOC	0.01	-
B52ST610	D-610 Storage Tank	VOC	0.01	-
B52ST711	D-711 Storage Tank	VOC	0.01	-
B52ST718	D-718 Storage Tank	VOC	0.01	-
B52ST745	D-745 Storage Tank	VOC	0.07	-
B52V500	Hi-Purity Process Vent	VOC	0.01	-
B52V703	Hardener Process Vent	VOC	0.41	-
B52ST37, B52ST38, B52ST107, B52ST356 B52ST357, B52ST358 B52ST503, B52ST610 B52ST711, B52ST718 B52ST745, B52V500 and B52V703	Storage Tank and Process Emissions Source Group Cap	VOC	-	0.35
		Acetone	-	0.12
B52MSS1	Maintenance, Startup and Shutdown (MSS) Emissions	VOC	2.76	2.84
		Acetone	7.62	6.80
B52CB2, B52CT1, B52DL1, B52FU1, B52LR1, B52LR2, B52ST37, B52ST38,	Routine Emissions Compliance Cap 1	VOC	26.23	14.73
		Acetone	26.59	22.24

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		Refrigerant	0.07	0.31
		PM	0.31	0.64
		PM ₁₀	0.31	0.64
B39FU1, B39FU2, B39FU3, B39HB167, B39OS167, B39SV170, and B39SV173	Routine Emissions Compliance Cap 2	VOC	1.90	5.35
		Refrigerant	0.04	0.16
B39MSSLE	Attachment A - Low Emission Activities	VOC	4.25	0.04
		Acetone	4.42	0.05
B39MSSFU1	Attachment B - Fugitive MSS Activities	VOC	2.17	0.03
B39MSS1	Attachment C - MSS Activities	VOC	1.25	0.01
B39SV170-M	T-170 Process Vent Header System (MSS Emissions)	VOC	0.08	-
B39SV173-M	T-173 Process Vent Header System (MSS Emissions)	VOC	0.11	-
B39SV170-M, B39SV173-M	Absorption Emissions Source Group MSS Cap	VOC	-	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)
 - 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} - total particulate matter equal to or less than 2.5 microns in diameter
 - Refrigerant - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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.

Date: 2019