Emission Sources - Maximum Allowable Emission Rates

Permit Number 107520 and PSDTX1384

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.

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
LD-001	Process Fugitives (5)	VOC	6.59	28.87
		Chlorine	0.11	0.50
		Organic Peroxides	1.74	7.63
LD-002	Diesel Generator	VOC	0.05	<0.01
		NO_X	4.59	0.23
		CO	0.40	0.02
		SO_2	0.13	0.01
		PM_{10}	0.04	<0.01
		$PM_{2.5}$	0.04	<0.01
LD-003	Diesel Tank	VOC	0.06	<0.01
LD-004	Spent Lube Oil Loading	VOC	0.54	<0.01
LD-005A	Wax Loading	VOC	0.15	0.11
LD-005B	Wax Loading	VOC	0.15	0.11
LD-006	VA Column Bottoms Loading	VOC	0.89	<0.01
LD-007	Peroxide Charge Vent	VOC	<0.01	<0.01
LD-008	Peroxide Collector Vent	VOC	0.93	0.17
LD-009	Powder Vent 1	PM_{10}	0.01	0.06
		$PM_{2.5}$	0.01	0.06

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LD-010	Powder Vent 2	PM_{10}	0.01	0.06
		$PM_{2.5}$	0.01	0.06
LD-011	Powder Vent 3	PM_{10}	0.01	0.06
		$PM_{2.5}$	0.01	0.06
LD-012	Extruder Building Vent	VOC	<0.01	0.01
LD-013	Pellet Dryer Vent	PM_{10}	0.14	0.60
		$PM_{2.5}$	0.12	0.54
		VOC	14.41	35.22
LD-014	Pellet Blending Storage Vent 1	PM_{10}	0.14	0.61
		$PM_{2.5}$	0.13	0.55
LD-015	Pellet Blending Storage Vent 2	PM_{10}	0.14	0.61
		$PM_{2.5}$	0.13	0.55
LD-014, LD-015	Pellet Blending Storage Vents 1& 2 VOC Cap	VOC	2.59	11.34
LD-016	Pellet Load-out Filter 1	PM_{10}	0.10	0.46
		$PM_{2.5}$	0.09	0.41
LD-017	Pellet Load-out Filter 2	PM_{10}	0.10	0.46
		$PM_{2.5}$	0.09	0.41
LD-018	Pellet Load-out Filter 3	PM_{10}	0.07	0.32
		$PM_{2.5}$	0.07	0.29
LD-019	Pellet Load-out Filter 4	PM_{10}	0.07	0.32
		$PM_{2.5}$	0.07	0.29
LD-016 through LD-019	Pellet Load-out Filters VOC CAP	VOC	2.62	11.47
LD-020	Recycle/Masterbatch/Off Grade Pellet Silo Vent	PM_{10}	0.14	0.61
		$PM_{2.5}$	0.13	0.55

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LD-021	Pellet Hopper Car Pre-Load Prep (Vacuum Vent)	PM_{10}	0.01	0.06
		$PM_{2.5}$	0.01	0.06
LD-022A LD-022B LD-023A LD-023B	RTO1 & RTO2 (A or B Stacks) (2)	VOC	2.06	30.46
		VOC (RTO Transitioning)	206.08	
		NO_X	1.76	4.68
		CO	2.47	6.55
		SO_2	0.02	0.04
		PM_{10}	0.22	0.59
		$PM_{2.5}$	0.22	0.59
LD-CT	Cooling Tower	VOC	1.25	5.48
		HClO	<0.01	<0.01
		PM_{10}	0.17	0.74
		$PM_{2.5}$	<0.01	<0.01
LD-MSS	MSS Fugitives	VOC	71.65	2.35
		PM	9.10	0.14
		PM_{10}	1.91	0.04
		$PM_{2.5}$	1.73	0.04
PLANT-FLR4	LDPE Elevated Flare	VOC	5.96	12.17
		NO_X	2.06	2.17
		CO	3.80	7.33
		SO_2	<0.01	<0.01
PLANT-FLR4	MSS – LDPE Elevated Flare	VOC	914.61	68.77
		NO_X	108.86	8.36
		CO	560.78	43.06

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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_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
HClO - hypochlorous acid

(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: December 30, 2016