Emission Sources - Maximum Allowable Emission Rates

Permit Number 71623

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)
38-1, 38-2, 38-3, 38-4, 38-5, 38-6, 38-7	PSML Oven No. 1, PSML Oven No. 2 Coating Station Enclosure	VOC	13.22	57.91
		NO_x	0.29	1.29
		CO	0.25	1.08
		PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		SO_2	<0.01	0.01
20-3	Printer/Coater Print Station, Coating Station, UV Cure Oven	VOC	0.51	2.24
		Ozone	0.01	0.04
		Ammonia	0.06	0.26
20-4	Printer/Coater Surface Treater Nos. 1, 2, and 3, Lamination Station	Ozone	0.33	1.44
28-1A, 28-3A	MRX1 Lamination/Extrusion Line A	VOC	0.86	3.76
28-4A1a, 28-4A2a, 28-4A3a, 28-4A4a, 28-5A	MRX1 Resin Dryers Nos. 1A, 3A,5A, 7A and Extrusion Preheater	VOC	0.01	0.04
		NO_x	0.15	0.68
		CO	0.13	0.57
		PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05
		SO_2	<0.01	<0.01
28-12	MRX1 Lamination/Extrusion Line A Pyrolysis Oven	VOC	0.07	0.31
28-13	MRX1 Resin Handling (silos, dryer hoppers and blender)	PM	0.01	0.03
		PM_{10}	0.01	0.03
		$PM_{2.5}$	0.01	0.03

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
37-01, 37-02	Screen Printer Station No. 1 and No. 2	VOC	4.40	19.29
37-04	LPP Press and Dryer Make Ready Room	VOC	0.64	2.80
37-05	LPP Press Dryer Corona Treater	Ozone	0.37	1.60
37-06	LPP Press and Dryer Web Preconditioner	VOC	<0.01	0.01
		NO_x	0.04	0.16
		CO	0.03	0.13
		PM	<0.01	0.01
		PM_{10}	<0.01	0.01
		$PM_{2.5}$	<0.01	0.01
		SO_2	<0.01	<0.01
ST-5	Storage Tank No. 5	VOC	21.58	0.65
TO-1	Regenerative Thermal Oxidizer Including Products of Combustion from Natural Gas Fired Dryers	VOC	22.79	---
		VOC (7)	0.63	2.77
		NO_x	14.89	65.21
		CO	19.79	86.68
		PM	1.09	4.79
		PM_{10}	1.09	4.79
		$PM_{2.5}$	1.09	4.79
		SO_2	0.07	0.30
		Exempt Solvent	0.02	0.10
		HCl	6.60	<0.01
12-BMRC1, 12-BMRC3, 12-BMRC3, 12-BMRC4	BMRC Coating, Primary and Secondary UV Cure and Natural Gas Fired Oven	VOC	0.41	1.79
		NO_x	0.15	0.64
		CO	0.12	0.54
		PM	0.01	0.05
		PM_{10}	0.01	0.05
		$PM_{2.5}$	0.01	0.05

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		SO_2	<0.01	<0.01
		Ozone	<0.01	0.01
3-RMWVS, 3-SMV, 1-CIPCOND, 1-CIPCLEAN, SM22E, SM22W, 14-3 3-1, 3-3411, 3-3412, 3-19V, 3-21V, DC01, DC02, DC03, DC04	Mix and Mill Kettles, roll Mills, Mixers, Pony Mixers, Sand Mills and Wash Vats	VOC	27.11	56.98
		PM	0.35	1.54
		PM_{10}	0.35	1.54
		$PM_{2.5}$	0.35	1.54
1-31FUG	Maker 31 Fugitives	VOC	4.98	21.81
1-32FUG	Maker 32 Fugitives	VOC	4.33	18.95
		Exempt Solvent	0.04	0.19
1-34FUG	Maker 34 Fugitives	VOC	6.21	27.21
1-35FUG	Maker 35 Fugitives	VOC	1.69	7.40
1-36FUG	Maker 36 Fugitives	VOC	3.56	15.61
1-1FUG	Egan Press and Dryer Fugitives	VOC	5.28	23.13
1-1CT	Egan Press Corona Treater	Ozone	0.37	1.60
CT-32PI	Maker 32 Flex Printer, Maker 32 UV Cure, Maker 32 Corona Treater	Ozone	1.46	6.41
22-01, 22-02, 22-05 BSACCT	BSAC Extruder, BSAC Coater, BSAC Corona Treater1, BSAC E-Beam, Passivation Island (Corona Treater)	VOC	0.40	1.74
		Ozone	2.03	8.88
BSAC2-1, BSAC2-2, BSAC2-3, BSAC2-4, BSAC2-5,	BSAC Extruder, BSAC -Corona Treater 1, BSAC -Corona Treater 2, BSAC Coater, BSAC -E Beam	VOC	9.70	42.49
		Ozone	2.80	12.26
HAPLN	Equipment Leak Fugitives – Piping Lines	VOC	0.72	3.14
WSTLN	Equipment Leak Fugitives – Waste Lines	VOC	1.00	4.37
All EPNs	All Sources at the Site	VOC	---	240.00
All EPNs	All Sources at the Site	NO_x	---	240.00

(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

Emission Sources - Maximum Allowable Emission Rates

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
HCl		hydrogen chloride

(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) Emission rates include planned maintenance, startup and shutdown activities.
(7) Products of combustion.

Date: April 6, 2020