

Emission Sources - Maximum Allowable Emission Rates

Permit Number 2380

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)
B14A	Barrier Extrusion Web No. 7	NO _x	0.05	0.21
		Ozone	0.93	4.07
B14B	Barrier Extrusion Web No. 6	NO _x	0.03	0.11
		Ozone	0.53	2.34
B14C	Barrier Extrusion Web No. 5	NO _x	0.05	0.21
		Ozone	0.93	4.07
B14D	Barrier Extrusion Web No. 4	NO _x	0.05	0.21
		Ozone	0.93	4.07
B14E	Barrier Extrusion Web Nos. 1 and 2	NO _x	0.07	0.30
		Ozone	1.38	6.07
B14F	Barrier Extrusion Web No. 9	NO _x	0.05	0.21
		Ozone	0.93	4.07
B14G	Barrier Extrusion Web No. 8	NO _x	0.06	0.25
		Ozone	1.07	4.67
B14H	Barrier Extrusion Web No. 10	NO _x	0.05	0.21
		Ozone	0.93	4.07
B14I	Barrier Extrusion Web No. 11	NO _x	0.05	0.21
		Ozone	0.93	4.07
B14J	Barrier Extrusion Web No. 12	NO _x	0.05	0.23
		Ozone	1.00	4.38

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B14K	Web 3 Extrusion Line	NO _x	0.06	0.25
		Ozone	1.07	4.67
B14L	Barrier Extrusion Web No. 13	NO _x	0.06	0.25
		Ozone	1.07	4.67
B14M	Barrier Extrusion Web No. 14	NO _x	0.07	0.32
		Ozone	1.24	5.44
B14N	Barrier Extrusion Web No. 15	NO _x	0.07	0.32
		Ozone	1.24	5.44
B14O	Barrier Extrusion Web No. 16	NO _x	0.05	0.21
		Ozone	0.93	4.07
B20F1, B20F2	Ink Room Fan No. 1 and Ink Room Fan No. 2	VOC	3.49	7.05
PFUG	Press Nos. 1, 3, 4 and 5 Fugitives	VOC	36.24	74.75
RTO-1	Press Nos. 1, 3, 4, and associated Natural Gas-Fired Dryers exhausted through a Regenerative Thermal Oxidizer	VOC	5.82	11.62
		VOC (5)	0.06	0.18
		NO _x	1.59	4.40
		CO	0.86	2.74
		SO ₂	<0.01	0.02
		PM	0.16	0.40
		PM ₁₀	0.16	0.40
		PM _{2.5}	0.16	0.40

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RTO-2	Press No. 5 and associated Natural Gas-Fired Dryers exhausted through a Regenerative Thermal Oxidizer	VOC	0.49	1.10
		VOC (5)	0.02	0.07
		NO _x	0.43	1.46
		CO	0.32	1.14
		SO ₂	<0.01	0.01
		PM	0.04	0.12
		PM ₁₀	0.04	0.12
		PM _{2.5}	0.03	0.12
B21F6	Press No. 1 Corona Treater	Ozone	0.55	1.78
B21F8	Press No. 5 Corona Treater	Ozone	0.51	1.53
B21B2	Press No. 3 Corona Treater	Ozone	0.37	1.15
B21F7	Press No. 4 Corona Treater	Ozone	0.51	1.53
BR1-FUG	Bag Room 1 In-Line Printing	VOC	9.55	33.41
B28D	Boiler #1 (33.5 MMBtu/hr)	VOC	0.18	0.79
		NO _x	4.80	14.97
		CO	2.77	12.12
		SO ₂	16.02	5.85
		PM	0.79	1.29
		PM ₁₀	0.79	1.29
		PM _{2.5}	0.79	1.29

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B28E	Boiler #2 (33.5 MMBtu/hr)	VOC	0.18	0.79
		NO _x	4.80	14.97
		CO	2.77	12.12
		SO ₂	16.02	5.85
		PM	0.79	1.29
		PM ₁₀	0.79	1.29
		PM _{2.5}	0.79	1.29
B30B	LAM#3 Patch	Ozone	0.29	1.28
B30C	LAM#2 Patch	Ozone	0.29	1.28
B30D	LAM#4 Patch	Ozone	0.29	1.28
B30F	LAM#3 Tubing	Ozone	0.29	1.28
B30G	LAM#2 Tubing	Ozone	0.29	1.28
B30H	LAM#4 Tubing	Ozone	0.29	1.28
B30K	LAM#9 Patch	Ozone	0.29	1.28
B30L	LAM#9 Tubing	Ozone	0.55	2.40
B30M	LAM#10 Patch	Ozone	0.29	1.28
B30N	LAM#10 Tubing	Ozone	0.55	2.40
B30O	LAM#11 Patch	Ozone	0.29	1.28
B30P	LAM#11 Tubing	Ozone	0.55	2.40
B30Q	LAM#1 Patch	Ozone	0.29	1.28
B30R	LAM#1 Tubing	Ozone	0.29	1.28

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B41A	TBG No. 4	VOC	<0.01	0.01
		NO _x	0.03	0.13
		CO	0.03	0.11
		SO ₂	<0.01	<0.01
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
B41B	TBG No. 3	VOC	<0.01	0.01
		NO _x	0.03	0.13
		CO	0.03	0.11
		SO ₂	<0.01	<0.01
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
B41C	TBG No. 2	VOC	<0.01	0.01
		NO _x	0.03	0.13
		CO	0.03	0.11
		SO ₂	<0.01	<0.01
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01

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B41F	TBG No. 9	VOC	<0.01	0.01
		NO _x	0.03	0.13
		CO	0.03	0.11
		SO ₂	<0.01	<0.01
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
B41G	TBG No. 10	VOC	<0.01	0.01
		NO _x	0.03	0.13
		CO	0.03	0.11
		SO ₂	<0.01	<0.01
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
B41H	TBG No. 11	VOC	<0.01	0.01
		NO _x	0.03	0.13
		CO	0.03	0.11
		SO ₂	<0.01	<0.01
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01

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B41I	TBG No. 1	VOC	<0.01	0.01
		NO _x	0.03	0.13
		CO	0.03	0.11
		SO ₂	<0.01	<0.01
		PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
F1	Film Line No. 1	NO _x	0.05	0.21
		Ozone	1.03	4.51
F2	Film Line No. 2	NO _x	0.07	0.30
		Ozone	1.38	6.07
F5	Film Line No. 5	NO _x	0.08	0.34
		Ozone	1.55	6.79
F6	Film Line No. 6	NO _x	0.08	0.34
		Ozone	1.55	6.79
F7	Film Line No. 7	NO _x	0.08	0.34
		Ozone	1.55	6.79
F8	Film Line No. 8	NO _x	0.08	0.34
		Ozone	1.55	6.79
F9	Film Line No. 9 ECLU	NO _x	0.10	0.42
		Ozone	1.86	8.13
F9D	Film Line No. 4 Demister	VOC	0.03	0.02
F9E	Film Line No. 5 Demister	VOC	0.03	<0.01
F9H	Film Line No. 8 Demister	VOC	0.03	0.02
F9I	Film Line No. 9 Demister	VOC	0.03	0.02

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T301	No. 2 Fuel Oil Tank #1	VOC	0.14	<0.01
T302	No. 2 Fuel Oil Tank #2	VOC	0.14	<0.01
T303	Tank No. 1 (50/50 Solvent)	VOC	6.02	0.09
T304	Tank No. 2 (Solvent)	VOC	3.03	0.10
T305	Tank No. 3 (Solvent)	VOC	9.67	0.19
T306	Tank No. 4 (Reclaimed Solvent)	VOC	1.91	0.12
PRI-1	Distillation Unit	VOC	0.80	3.21
EX-1	Resin Silo No. 1	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-2	Resin Silo No. 2	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-3	Resin Silo No. 3	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-4	Resin Silo No. 4	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19

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EX-5	Resin Silo No. 5	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-6	Resin Silo No. 6	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-7	Resin Silo No. 7	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-8	Resin Silo No. 8	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-9	Resin Silo No. 9	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-10	Resin Silo No. 10	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
EX-11	Resin Silo No. 11	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
B2C	Blended Saran Silo No. 3	PM	0.05	0.19
		PM ₁₀	0.05	0.19
		PM _{2.5}	0.05	0.19
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00

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		Total HAPs	---	<25.00
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- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name.
- (3)
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - CO - carbon monoxide
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - 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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emissions as a result of products of combustion.
- (6) Allowable emission rates include planned startup and shutdown activities.

Date: July 24, 2019