

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 4140A

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)
RESIDCAP	Total Emissions from EPNs 33, 33A, 34, 78, 83, 84, 95-102, 115, 121, 207- 209, 219, 220, 228, 230, 231, 234, 235, 236, 237, 239, 240, 245, 272, 294, and Q-3353 through Q-3368	VOC	9.50	14.56
33	Dry Flo Separator S-307A Filter F-3003A	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
		VOC (6)	—	—
33A	Dry Flo Separator V-343A Filter F-395	PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
		VOC (6)	—	—
34	Dry Flo Separator S-307B Filter F-3003B	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
		VOC (6)	—	—
48	Process Fugitives (5)	VOC	8.50	37.24
49	Silica Dehydrator Filter	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.02
71	Silica Blow Tank Filter	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.02
73	Silica Storage Filter	PM	<0.01	0.03

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		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
74	Silica Blow Tank Filter	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.02
75	Catalyst Storage Filter	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.02
78	Dry Flo Loading Silo V-396A Filter F-3059	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
		VOC (6)	—	—
83	Dry-Flo Vent Separator S-319A	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC (6)	—	—
84	Dry-Flo Vent Separator S-319B	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC (6)	—	—
95	Storage Silos V-341A (6)	PM	0.30	1.30
		PM <sub>10</sub>	0.30	1.30
		PM <sub>2.5</sub>	0.30	1.30
		VOC (6)	—	—
96	Storage Silo V-341B	PM	0.30	1.30
		PM <sub>10</sub>	0.30	1.30
		PM <sub>2.5</sub>	0.30	1.30
		VOC (6)	-	-
97	Storage Sile V-341C	PM	0.30	1.30

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		PM <sub>10</sub>	0.30	1.30
		PM <sub>2.5</sub>	0.30	1.30
		VOC (6)	-	-
98	Storage Silo V-371A	PM	0.30	1.30
		PM <sub>10</sub>	0.30	1.30
		PM <sub>2.5</sub>	0.30	1.30
		VOC (6)	-	-
99	Storage Sile V-371B	PM	0.30	1.30
		PM <sub>10</sub>	0.30	1.30
		PM <sub>2.5</sub>	0.30	1.30
		VOC (6)	-	-
100	Storage Silo V-371C	PM	0.30	1.30
		PM <sub>10</sub>	0.30	1.30
		PM <sub>2.5</sub>	0.30	1.30
		VOC (6)	-	-
101	V-371D Storage Silo Filter	PM	0.30	1.30
		PM <sub>10</sub>	0.30	1.30
		PM <sub>2.5</sub>	0.30	1.30
		VOC (6)	—	—
102	V-371E Storage Silo Filter	PM	0.30	1.30
		PM <sub>10</sub>	0.30	1.30
		PM <sub>2.5</sub>	0.30	1.30
		VOC (6)	-	-
115	F3015 Pellet Startup Silo Filter	PM	0.33	1.44
		PM <sub>10</sub>	0.33	1.44
		PM <sub>2.5</sub>	0.33	1.44
		VOC (6)	—	—
121	F376/F375 Sys 15 Filter	PM	0.25	1.10
		PM <sub>10</sub>	0.25	1.10

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		PM <sub>2.5</sub>	0.25	1.10
		VOC (6)	—	—
201	Catalytic Oxidizer - D Catalyst Activator Vent	NO <sub>x</sub>	0.63	0.33
		CO	0.86	0.45
		VOC	2.00	1.05
		PM	0.15	0.68
		PM <sub>10</sub>	0.15	0.68
		PM <sub>2.5</sub>	0.15	0.68
203	D Catalyst Activator Heater	NO <sub>x</sub>	0.68	2.98
		CO	0.67	2.94
		VOC	0.04	0.19
		SO <sub>2</sub>	0.01	0.05
		PM	0.06	0.27
		PM <sub>10</sub>	0.06	0.27
		PM <sub>2.5</sub>	0.06	0.27
204	Catalyst X Vent Filter F-2555	PM	0.02	0.08
		PM <sub>10</sub>	0.02	0.08
		PM <sub>2.5</sub>	0.02	0.08
207	V-2465 Feed Hopper	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC (6)	—	—
208	V-2470 Feed Hopper	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
		VOC (6)	—	—
209	Vibrator Screen Oversized Vent	VOC (6)	—	—
210	Cooling Tower	PM	0.93	2.55
		PM <sub>10</sub>	0.81	2.21

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		PM <sub>2.5</sub>	<0.01	0.01
		VOC	0.80	3.50
219	Extruder Feed Silo Vent F-3336	PM	0.51	2.25
		PM <sub>10</sub>	0.51	2.25
		PM <sub>2.5</sub>	0.51	2.25
		VOC (6)	—	—
220	Extruder Feed Silo Vent F-3500	PM	0.02	0.09
		PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.02	0.09
		VOC (6)	—	—
228	F3026/F3027 Pellet Blender Filter F-3026/F-3027	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
		VOC (6)	—	—
230	Pellet Blending and Transfer Filter F-3081	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
		VOC (6)	—	—
231	System 8 Pellet Blender Vent Filter F-3347	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
		VOC (6)	—	—
234	V-342A Pellet Blender Filter Vent	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
		VOC (6)	—	—
235	V-342B Pellet Blender Filter Vent	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03

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		VOC (6)	—	—
236	V-373A Pellet Blender Filter Vent	PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
		VOC (6)	—	—
237	V-373B Pellet Blender Filter Vent	PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
		VOC (6)	—	—
239	F388/F389 Pellet Blender Filter	PM	<0.01	0.03
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.03
		VOC (6)	—	—
240	F3048 Additive Transfer Filter	PM	0.05	0.23
		PM <sub>10</sub>	0.05	0.23
		PM <sub>2.5</sub>	0.05	0.23
		VOC (6)	—	—
245	Bypass Additive Transfer Filter F-3104	PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
		VOC (6)	—	—
272	"G" Pellet Dryer	VOC (6)	—	—
294	F3509 Additive Dust Collector	PM	0.12	0.54
		PM <sub>10</sub>	0.12	0.54
		PM <sub>2.5</sub>	0.12	0.54
		VOC (6)	—	—
310	"E" Cooling Tower	PM	0.59	1.61
		PM <sub>10</sub>	0.51	1.40
		PM <sub>2.5</sub>	<0.01	<0.01

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		VOC	0.25	1.10
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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<sub>x</sub>
    - total oxides of nitrogen
  - SO<sub>2</sub>
    - sulfur dioxide
  - PM
    - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub>
    - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub>
    - 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.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) These VOC emissions from feed hoppers, storage silos, and fluff/pellet handling are authorized under an emission cap EPN RESIDCAP.

Date: September 23, 2022