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, 34, 95, 96, 97, 98, 99, 100, 101, 102, 207, 208, 209, 219, 220, 234, 235, 236, 237, 240, and 272	VOC	7.59	7.55
33	Dry Flow Loading Bin Vent Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		VOC	—	—
34	Storage Silo Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		VOC	—	—
48	Process Fugitives (5)	VOC	8.99	29.36
49	Silica Dehydrator Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
50	Process Fugitives (5)	VOC	0.19	0.83
71	Silica Blow Tank Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
73	Silica Storage Filter	PM	<0.01	0.03
		PM_{10}	<0.01	0.03
		$PM_{2.5}$	<0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

74	Silica Blow Tank Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
75	Catalyst Storage Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
78	F3059 Loading Bin Vent Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
80	B Activator Vent Filter	PM	<0.01	0.04
		PM_{10}	<0.01	0.04
		$PM_{2.5}$	<0.01	0.04
		NH_3	0.99	1.97
		SO_2	0.14	0.10
83	Dry-Flo Vent Separator	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
84	Dry-Flo Vent Separator	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
95, 96, 97, 98, 99, 100, 102	Storage Silos (7)	PM	0.30	1.30
		PM_{10}	0.30	1.30
		$PM_{2.5}$	0.30	1.30
		VOC	—	—

Emission Sources - Maximum Allowable Emission Rates

101	Storage Silo Filter	PM	0.30	1.30
		PM_{10}	0.30	1.30
		$PM_{2.5}$	0.30	1.30
		VOC	—	—
115	F3015 Pellet Startup Silo Filter	PM	0.33	1.44
		PM_{10}	0.33	1.44
		$PM_{2.5}$	0.33	1.44
121	F376/F375 Sys 15 Filter	PM	0.25	1.10
		PM_{10}	0.25	1.10
		$PM_{2.5}$	0.25	1.10
201	Activator Vent	NO_X	<0.01	<0.01
		CO	<0.01	<0.01
		VOC	1.15	0.64
		PM	0.02	0.10
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
203	Catalyst Activator Heater	NO_X	0.68	2.98
		CO	0.67	2.94
		VOC	0.04	0.19
		SO_2	0.01	0.05
		PM	0.06	0.27
		PM_{10}	0.06	0.27
		$PM_{2.5}$	0.06	0.27
204	Catalyst X Vent Filter	PM	0.02	0.08
		PM_{10}	0.02	0.08
		$PM_{2.5}$	0.02	0.08

Emission Sources - Maximum Allowable Emission Rates

207	V-2465 Feed Hopper	PM	<0.01	<0.01
		PM_{10}	<0.01	<0.01
		$PM_{2.5}$	<0.01	<0.01
		VOC	—	—
208	V-2470 Feed Hopper	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01
		VOC	—	—
209	Vibrator Screen Oversized vent	VOC	—	—
210	Cooling Tower	PM	1.86	5.09
		PM_{10}	1.62	4.43
		$PM_{2.5}$	<0.01	0.02
		VOC	0.80	3.50
219	Extruder Feed Silo Vent	PM	0.51	2.25
		PM_{10}	0.51	2.25
		$PM_{2.5}$	0.51	2.25
		VOC	—	—
220	Extruder Feed Silo Vent	PM	0.02	0.09
		PM_{10}	0.02	0.09
		$PM_{2.5}$	0.02	0.09
		VOC	—	—
228	F3026/F3027 Pellet Blender Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
230	Pellet Blending and Transfer Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
231	System 8 Pellet Blender Vent Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

		$PM_{2.5}$	<0.01	0.02
234	Pellet Blender Filter Vent	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		VOC	—	—
235	Pellet Blender Filter Vent	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
		VOC	—	—
236	Pellet Blender Filter Vent	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		VOC	—	—
237	Pellet Blender Filter Vent	PM	0.01	0.02
		PM_{10}	0.01	0.02
		$PM_{2.5}$	0.01	0.02
		VOC	—	—
239	F388/F389 Pellet Blender Filter	PM	<0.01	0.02
		PM_{10}	<0.01	0.02
		$PM_{2.5}$	<0.01	0.02
240	F3048 Additive Transfer Filter	PM	0.05	0.23
		PM_{10}	0.05	0.23
		$PM_{2.5}$	0.05	0.23
		VOC	—	—
272	“G” Pellet Dryer	VOC	—	—
294	F3509 Additive Dust Collector	PM	0.12	0.54
		PM_{10}	0.12	0.54
		$PM_{2.5}$	0.12	0.54
310	“E” Cooling Tower	PM	0.59	1.61

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.51	1.40
		$PM_{2.5}$	<0.01	<0.01
		VOC	0.25	1.10
CHROMGP	GP On-Line Analyzer	VOC	0.29	1.25

(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
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
NH_3 - ammonia
(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) Reserved.
(7) Emission limits apply to each of EPNs 95–100 and 102.

Date: December 21, 2018