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.	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
(1)			lbs/hour	TPY (4)
33	Dry Flow Loading	PM	0.05	0.23
	Bin Vent Filter	VOC (7)	0.01	0.07
34	Storage Silo Filter	PM	0.01	0.02
		VOC (7)	0.01	
48	Process Fugitives (5)	voc	6.38	27.95
49	Silica Dehydrator Filter	РМ	0.01	0.02
71	Silica Blow Tank Filter	РМ	0.01	0.02
73	Silica Storage Filter	РМ	0.01	0.03
74	Silica Blow Tank Filter	РМ	0.01	0.02
75	Catalyst Storage Filter	РМ	0.01	0.02
78	F3059 Loading Bin Vent Filter	РМ	0.26	1.12
80	B Activator Vent	PM	0.01	0.04
	Filter	PM ₁₀	0.01	0.03
		PM _{2.5}	0.01	0.03
		NH ₃	0.99	1.97
		SO ₂	0.14	0.10
95 - 102	Storage Silo Filter	PM	0.11	0.48 (6,9)
		VOC	0.7	0.42(6,9)
115	F3015 Pellet Startup Silo Filter	РМ	0.22	0.96
121	F376/F375 Sys 15 Filter	РМ	0.05	0.22
201	Activator Vent	NOx	0.01	0.01

		СО	0.01	0.01
		VOC	1.15	0.64
		PM	0.01	0.01
203	Catalyst Activator Heater	NOx	0.68	2.98
	Tioutor	со	0.67	2.94
		voc	0.04	0.19
		SO ₂	0.01	0.05
		PM ₁₀	0.06	0.27
		PM _{2.5}	0.05	0.20
204	Catalyst X Vent Filter	РМ	0.02	0.09
207	V-2465 Feed Hopper	PM	0.01	0.01
		VOC	0.03	0.13
208	V-2470 Feed Hopper	PM	0.01	0.01
		VOC	0.03	0.13
209	Vibrator Screen Oversized vent	VOC	0.01	0.03
210	Cooling Tower	PM	1.86	5.09
		voc	0.80	3.50
Extruder Feed Sile	Extruder Feed Silo	PM	0.01	0.01
	Vent	VOC	0.01	0.03
	Extruder Feed Silo	PM	0.01	0.01
	Vent	VOC	0.68	2.97
228	F3026/F3027 Pellet Blender Filter	РМ	0.04	0.17
230	Pellet Blending and Transfer Filter	РМ	0.01	0.03
231	System 8 Pellet Blender Vent Filter	РМ	0.01	0.03
234	Pellet Blender Filter	PM (8)	0.01	0.02
	Vent	VOC(7)	0.01	
235	Pellet Blender Filter Vent	PM (8)	0.01	0.02

		VOC (7)	0.01	
236	Pellet Blender Filter	PM (8)	0.01	0.02
	Vent	VOC (7)	0.01	
237		PM (8)	0.01	0.02
	Vent	VOC (7)	0.01	
239	F388/F389 Pellet Blender Filter	РМ	0.04	0.17
240	F3048 Additive Transfer Filter	РМ	0.01	0.04
272	"G" Pellet Dryer	VOC (7)	0.01	
294	F3509 Additive Dust Collector	PM	0.01	0.04
CHROMGP	GP On-Line Analyzer	VOC	0.01	0.01

- (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

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as

represented

PM₁₀ - 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

NH₃ - 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) Based on operation for a maximum of 1200 hours per year.
- (7) VOC emissions represent residual isopentane, hexene and hexane emissions from the process and have the potential to emit simultaneously from EPNs 33, 34, 234, 235, 236, 237, and 272. VOC emissions from EPNs 33, 34, and 234 through 237 have the same maximum hourly emissions as Emission Point 272. The annual emission rate of 0.07 tpy of total VOC (represented at EPN 33) represents the combined emissions from all of these sources.
- (8) EPNs 234, 235, 236 and 237 are not allowed to emit simultaneously. The transfer systems shall feed only one silo at a time. The annual emission rate of 0.02 tpy PM listed under EPN 234 represents the combined PM emissions from all four filters.
- (9) EPNs 95 through 102 each emit the listed emission rates.

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