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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)
246	Flare (11) Flare Maintenance, Start-Up, and Shutdown Emissions (MSS) only (11) Reactor No. 1 Process Fugitives (5)	Acetone	0.03	0.02
		СО	25.65	16.74
		NOx	4.97	3.24
		Ethylene (12)	28.60	20.47
		Vinyl Acetate (12)	1.51	1.6
		Ethyl Acrylate (12)	1.20	0.04
		Propylene (12)	6.96	2.66
		Toluene (12)	0.01	0.01
		voc	38.35	24.83
246		Acetone	0.02	0.01
	Shutdown Emissions	со	158.87	12.29
	(MSS) only (11)	NOx	31.18	2.41
		voc	260.53	18.02
		Ethylene (13)		7.42
		Propylene (13)		0.50
		Vinyl Acetate (13)		0.01
		Ethyl Acrylate (13)		0.01
		Vinyltrimethoxysilane (13)		0.01
		Mineral Spirits (13)		0.01
251		Acetone	0.07	0.29
	rugilives (3)	СО	0.01	0.01
		voc	9.36	41.00
252	No. 1 Cyclone Scrubber Vent	VOC	0.06	0.01

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253	No. 1 Extruder Drier	Vinyl Acetate	7.00	(6)
		Ethylene	4.00	(6)
		Propylene	0.20	(6)
		Ethyl Acrylate	0.01	(6)
		Acetone	0.07	(6)
		PM	1.30	5.69
254 - 260	No. 1 Primary Storage	Vinyl Acetate	21.73	(6)
	Bins	Ethylene	32.00	(6)
		Propylene	1.54	(6)
		Ethyl Acrylate	0.01	(6)
		Acetone	0.58	(6)
		РМ		(6)
261 - 268 No. 1 Bulk Storage Bins		Vinyl Acetate	21.73	19.50 (7)
	Ethylene	32.00	118.00 (7)	
		Propylene	1.54	4.67
		Ethyl Acrylate	0.01	0.01
		Acetone	0.58	0.62
		РМ	2.05	8.98
269	Reactor No. 2 Process Fugitives (5)	со	0.60	2.64
		VOC	6.16	26.99
270	No. 2 Extruder Drier	Ethylene	4.00	(8)
		Propylene	0.20	(8)
		Acetone	0.07	(8)
		РМ	1.30	5.69

271 - 275	No. 2 Primary Storage Bins	Vinyl Acetate	21.73	(8)
	DIIIS	Ethylene	32.00	(8)
		Propylene	1.54	(8)
		Ethyl Acrylate	0.01	(8)
		Acetone	0.58	(8)
		PM	(8)	
276 - 282	No. 2 Bulk Storage Bins	Vinyl Acetate	21.73	19.50 (9)
	Біпз	Ethylene	32.00	118.00 (9)
		Propylene	1.54	4.67
		Ethyl Acrylate	0.01	0.01
		Acetone	0.58	0.62
		РМ	2.05	8.98
A-299	No. 1 Dryer Sampler Filter	РМ	0.01	0.01
A-300	No. 2 Dryer Sampler Filter	РМ	0.01	0.01
410	No. 1 Fines Streamer Filter	РМ	0.01	0.01
411	No. 2 Fines Streamer Filter	РМ	0.01	0.01
413	PND catalyst Feed Tank	voc	1.00	0.01
546	Vulcanizables Fines Separator Dust Collector	РМ	0.20	0.94
547	Vulcanizables Preheat Bin	РМ	0.30	0.55
548	Vulcanizables Peroxide Tank	Acetophenone(12)	4.92	0.88
	reloxide latik	Cumene (12)	1.23	0.3
		Phenol (12)	1.23	0.3
		Toluene (12)	0.01	0.01
		VOC	12.33	2.19

Emission Sources - Maximum Allowable Emission Rates

549	Vulcanizables Holding Bin	Acetophenone (12)	2.00	8.76
	БШ	Cumene (12)	0.50	2.19
		Phenol (12)	0.50	2.19
		Toluene (12)	0.01	0.01
		voc	5.00	21.9
552 and 553	Vulcanizables Cooling Bin Nos. 1 and 2	PM	0.12	0.11
	Biii Nos. 1 and 2	voc	(10)	(10)
562	Mineral Spirits Tank	voc	0.25	0.02
563	Propylene Unloading Process Fugitives (5)	VOC	0.05	0.23
669	Anti-Oxidant Mix Tank	Acetone	11.43	0.16
		VOC	2.80	0.11
670	East A/O Run Tank	voc	2.80	0.15
		Acetone	5.72	0.24
671	West Vinyl Acetate Run Tank	VOC	2.80	0.15
672	Old Run Tank	Acetone	2.57	0.03
		Vinyl Acetate	1.26	0.02
1004	Vulcanizables Fines SeparatorBaghouse	РМ	0.20	0.94
1011	No. 1 Process Analyzer Vent	VOC	0.01	0.01
1012	No. 2 Process Analyzer Vent	VOC	0.01	0.01
1021	Vulcanizables Feeder Vent	РМ	0.01	0.01
1039	Vulcanizables Blender Vent	voc	(10)	(10)
1041	Cooling Tower	voc	0.42	1.84
		РМ	0.11	0.49
		PM ₁₀	0.11	0.49
		PM _{2.5}	0.11	0.49
1051	Process Analyzer Combined Vent	СО	0.01	0.01
	Combined vont	voc	0.01	0.01

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1058	Vulcanizables Product Area Baghouse	РМ	0.20	0.94
1059	No. 1 Classifier Sampler Filter	РМ	0.01	0.01
1060	No. 2 Classifier Sampler Filter	РМ	0.01	0.01
1061	Vulcanizables Transfer Filter	РМ	0.01	0.01
1177	Analyzer Vent	voc	0.03	0.13

- (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) CO carbon monoxide
 - NO_x total oxides of nitrogen
 - PM particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM_{10} 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
 - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (6) Annual emission limits for the VOC from EPNs 253 through 268 are reflected in the emission rates for EPNs 261 through 268. The hourly and annual PM emissions from EPNs 254 through 268 are reflected in the emission rates for EPNs 261 through 268.
- (7) Total VOC emissions from EPNs 253 through 268 are not to exceed 124.1 tons per year (tpy).
- (8) Annual emission limits for the VOC from EPNs 270 through 282 are reflected in the emission rates for EPNs 276 through 282. The hourly and annual PM emissions from EPNs 271 through 282 are reflected in the emission rates for EPNs 276 through 282.
- (9) Total VOC emissions from EPNs 270 through 282 are not to exceed 118 tpy.
- (10) The VOC emissions from this source are accounted for at EPN 549.
- (11) Emissions from this flare are only from these permitted facilities.
- (12) The allowable emission rates listed for individual VOC species from this EPN are included in the total VOC emission rates.
- (13) Annual MSS emissions of individual VOC species for Fuel Gas Burn System including furnace gas header shutdowns/maintenance are limited as indicated. The allowable emission rates listed for individual MSS VOC species from this EPN are included in the Flare 246 total MSS VOC emission rates.

Date:	May 7, 2019	