Permit Numbers 2023 and PSDTX118M4

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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

| Emission | Source | Air Contaminant | Emission Rates * | | |
|---------------|---|---|--|--|--|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY** | |
| 246 | Flare (10) | Acetone CO NO _x Ethylene (11) Vinyl Acetate (11) Ethyl Acrylate (11) Propylene (11) Toluene (11) | 0.03 25.63 4.97 28.57 1.51 1.20 6.96 0.01 | 0.02 16.62 3.22 20.32 1.60 0.04 2.66 0.01 | |
| | | VOC | 38.31 | 24.64 | |
| 246 | Flare Maintenance, Start-Up, (and Shutdown Emissions (MS only | | 0.02 158.87 31.18 260.53 e (12) 0.01 | 0.01 12.29 2.41 18.02 7.42 0.50 0.01 0.01 | |
| 251 | Reactor No. 1 Process Fugitives (4) | Acetone CO VOC | 0.19 0.01 13.57 | 0.85 0.01 59.42 | |
| 252 | No. 1 Cyclone Scrubber Vent | VOC | 0.06 | 0.01 | |

| Emission | Source | Air Contaminant | Emission Rates * | | |
|------------------------|----------------------------|--------------------|------------------|--------|--|
| Point No. (1) Name (2) | | Name (3) | lb/hr | TPY** | |
| 253 | No. 1 Extruder Drier | Vinyl Acetate | 7.00 | (5) | |
| | | Ethylene | 4.00 | (5) | |
| | | Propylene | 0.20 | (5) | |
| | | Ethyl Acrylate | 0.01 | (5) | |
| | | Acetone | 0.07 | (5) | |
| | | PM | 1.30 | 5.69 | |
| | | | | | |
| 254 - 260 | No. 1 Primary Storage Bins | Vinyl Acetate | 21.73 | (5) | |
| | | Ethylene | 32.00 | (5) | |
| | | Propylene | 1.54 | (5) | |
| | | Ethyl Acrylate | 0.01 | (5) | |
| | | Acetone | 0.58 | (5) | |
| | | PM | (5) | | |
| 261 - 268 | No. 1 Bulk Storage Bins | Vinyl Acetate21.73 | 19.50 (6) | | |
| | | Ethylene | 32.00 | 118.00 | |
| | (6) | Propylene | 1.54 | 4.67 | |
| | | Ethyl Acrylate | 0.01 | 0.01 | |
| | | Acetone | 0.58 | 0.62 | |
| | | PM | 2.05 | 8.98 | |
| 269 | Reactor No. 2 Process | СО | 0.60 | 2.64 | |
| | Fugitives (4) | VOC | 7.78 | 34.08 | |
| 270 | No. 2 Extruder Drier | Ethylene | 4.00 | (7) | |
| | | Propylene | 0.20 | (7) | |
| | | Acetone | 0.07 | (7) | |
| | | PM | 1.30 | 5.69 | |
| 271 - 275 | No. 2 Primary Storage Bins | Vinyl Acetate | 21.73 | (7) | |
| | | Ethylene | 32.00 | (7) | |
| | | Propylene | 1.54 | (7) | |
| | | Ethyl Acrylate | 0.01 | (7) | |
| | | Acetone | 0.58 | (7) | |
| | | PM | (7) | | |

| Emission | Source | Air Contaminant | Emission Rates * | | |
|---------------|--|------------------|------------------|------------|--|
| Point No. (1) | Point No. (1) Name (2) | | lb/hr | TPY** | |
| | | | | | |
| 276 - 282 | No. 2 Bulk Storage Bins | Vinyl Acetate | 21.73 | 19.50 (8) | |
| | | Ethylene | 32.00 | 118.00 (8) | |
| | | Propylene | 1.54 | 4.67 | |
| | | Ethyl Acrylate | 0.01 | 0.01 | |
| | | Acetone | 0.58 | 0.62 | |
| | | PM | 2.05 | 8.98 | |
| A-299 | No. 1 Dryer Sampler Filter | PM | 0.01 | 0.01 | |
| A-300 | No. 2 Dryer Sampler Filter | PM | 0.01 | 0.01 | |
| 410 | No. 1 Fines Streamer Filter | PM | 0.01 | 0.01 | |
| 411 | No. 2 Fines Streamer Filter | PM | 0.01 | 0.01 | |
| 122 | No. 21 moo Gardamor i mor | | 0.01 | 0.01 | |
| 413 | PND catalyst Feed Tank | VOC | 1.00 | 0.01 | |
| 546 | Vulcanizables Fines Separato Dust Collector | or PM | 0.20 | 0.94 | |
| 547 | Vulcanizables Preheat Bin | PM | 0.30 | 0.55 | |
| 548 | Vulcanizables Peroxide Tank | Acetophenone(11) | 4.92 | 0.88 | |
| | | Cumene (11) | 1.23 | 0.30 | |
| | | Phenol (11) | 1.23 | 0.30 | |
| | | Toluene (11) | 0.01 | 0.01 | |
| | | VOC | 12.33 | 2.19 | |
| 549 | Vulcanizables Holding Bin | Acetophenone(11) | 2.00 | 8.76 | |
| | | Cumene (11) | 0.50 | 2.19 | |
| | | Phenol (11) | 0.50 | 2.19 | |
| | | Toluene (11) | 0.01 | 0.01 | |
| | | VOC | 5.00 | 21.90 | |
| 552 and 553 | Vulcanizables Cooling Bin | PM | 0.12 | 0.11 | |
| | Nos. 1 and 2 | VOC | (9) | (9) | |

| Emission | Source A | ir Contaminant | Emission Rates * | | | |
|---------------|--|--------------------------|------------------|--------------|--|--|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY** | | |
| 562 | Mineral Spirits Tank | VOC | 0.25 | 0.02 | | |
| 563 | Propylene Unloading Process Fugitives (4) | VOC | 0.05 | 0.23 | | |
| 669 | Anti-Oxidant Mix Tank | Acetone VOC | 11.43 2.80 | 0.16 0.11 | | |
| 670 | East A/O Run Tank | VOC Acetone | 2.80 5.72 | 0.15 0.24 | | |
| 671 | West Vinyl Acetate Run Tank | VOC | 2.80 | 0.15 | | |
| 672 | Old Run Tank | Acetone Vinyl Acetate | 2.57 1.26 | 0.03 0.02 | | |
| 1004 | Vulcanizables Fines Separator Baghouse | PM | 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 | PM | 0.01 | 0.01 | | |
| 1039 (9) | Vulcanizables Blender Vent | VOC | | (9) | | |
| 1041 | Cooling Tower | VOC | 0.42 | 1.84 | | |
| 1051 | Process Analyzer Combined Ve | nt CO VOC | 0.01 0.01 | 0.01 0.01 | | |
| 1058 | Vulcanizables Product Area Baghouse | РМ | 0.20 | 0.94 | | |
| 1059 1060 | No. 1 Classifier Sampler Filter No. 2 Classifier Sampler Filter | PM PM | 0.01 0.01 | 0.01 0.01 | | |
| 1061 | Vulcanizables Transfer Filter | РМ | 0.01 | 0.01 | | |

Permit Numbers 2023 and PSDTX118M4 Page 5

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| Emission | Source | Air Contaminant | | Emission Rates * | | | |
|---------------|---------------|-----------------|-------|------------------|--|--|--|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY** | | | |
| | . , | , , | | | | | |
| | | | | | | | |
| 1177 | Analyzer Vent | VOC | 0.03 | 0.13 | | | |

- (1) Emission point identification either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. 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
 - PM₁₀ particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
 - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) 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.
- (6) Total VOC emissions from EPNs 253 through 268 are not to exceed 124.1 tons per year (tpy).
- (7) 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.
- (8) Total VOC emissions from EPNs 270 through 282 are not to exceed 118 tpy.
- (9) The VOC emissions from this source are accounted for at EPN 549.
- (10) Emissions from this flare are only from these permitted facilities.
- (11) The allowable emission rates listed for individual VOC species from this EPN are included in the total VOC emission rates.
- (12) 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.

| * | Emission | rates | are | based | on a | and the | е | facilities | are | limited | by | the | following | maximum | operating |
|---|-----------|--------|------|------------|------|---------|---|---|------|---------|----|-----|-----------|---------|-----------|
| | schedule: | | | | | | | | | | | | | | |
| | 24 | _Hrs/c | lay_ | <u>7</u> I | Days | /week_ | | <u>52 </u> | Veek | s/year | | | | | |

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated January 20, 2011