

VALERO PORT ARTHUR REFINERY

UNAUTHORIZED EMISSIONS FROM HOURLY & ANNUAL VIOLATIONS COVERED BY NOTICE LETTER

May 2014 – May 2019

Sources: Valero’s STEERS Reports*

| Pollutants | Emissions Events (lbs) | Maintenance Events (lbs) | Shutdown Events (lbs) | Startup Events (lbs) | Total Reported in STEERS (lbs) |
|---------------------------|-------------------------------|---------------------------------|------------------------------|-----------------------------|---------------------------------------|
| Carbon Monoxide | 190,592.15 | 88,493.38 | 19,733.05 | 235,294.90 | 534,113.45 |
| Hydrogen Sulfide | 6,217.63 | 0 | 0 | 0 | 6,217.63 |
| Nitrogen Oxides | 10,872.88 | 11,587.52 | 1,599.12 | 858.48 | 24,918.00 |
| Particulate Matter | 286,391.13 | 0 | 0 | 0 | 286,391.13 |
| Sulfur Dioxide | 698,406.34 | 22,627.62 | 62,045.23 | 73,993.47 | 857,072.66 |
| VOCS (all) | 88,657.51 | 35.00 | 0 | 0 | 88,692.51 |
| TOTALS | 1,281,137.64 | 122,743.52 | 83,381.40 | 310,146.85 | 1,797,405.38 |

| Type of Event | Number of STEERS events |
|------------------------|--------------------------------|
| Emissions Event | 74 |
| Maintenance | 5 |
| Air Shutdown | 3 |
| Air Startup | 7 |

| Number of Recordable Emission Events |
|---|
| 249 |

* NOTE: Emission totals above are from Valero’s State of Texas Electronic Environmental Reporting System (STEERS) Reports and do *not* include unauthorized emissions from the 249 “recordable” emission events that have occurred at the Refinery since May 2014, because those amounts fall below the STEERS public reporting threshold and are not publicly available.