EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 88397

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.

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates lb/hr | Emission Rates TPY |
|---|---|---|---|---|
| HEAD UNDL | Headlap Granule Receiving | PM | 0.07 | 0.31 |
| | | $PM_{10}$ | 0.04 | 0.16 |
| GRAN UNDL | Granule Receiving | PM | 1.35 | 5.91 |
| | | $PM_{10}$ | 0.67 | 2.96 |
| BACKING | Backing Material Silo Receiving/Loading | PM | 0.11 | 0.48 |
| | | $PM_{10}$ | 0.05 | 0.24 |
| TRUCK UNLD | Filler Silo Receiving Bin (Bin Vent Stack) | $PM/PM_{10}$ | 0.04 | 0.17 |
| BSO | Blow Stills (2) Afterburner/ Fume Incinerator Stack | $PM/PM_{10}$ | 1.26 | 5.53 |
| | | CO | 14.33 | 62.77 |
| | | $SO_2$ | 20.89 | 91.50 |
| | | $NO_x$ | 1.21 | 5.32 |
| | | VOC | 0.49 | 2.13 |
| | | HAPs | 0.11 | 0.48 |
| DEWATER TANK | Dewater Tank | VOC | 0.08 | 0.35 |
| WASTE OIL TANK | Waste Oil Tank | VOC | 0.20 | 0.88 |
| COAT-SATTNKS | CECO Fiber Bed Filter Stack No. 1 (Coating Asphalt Tank 1, Coating Asphalt Tank 2, Saturant Asphalt Tank 1, Saturant Asphalt Tank 2) | $PM/PM_{10}$ | 0.05 | 0.27 |
| | | $SO_2$ | 0.04 | 0.20 |
| | | VOC | 1.40 | 6.12 |
| SELASPHT1 | CECO Fiber Bed Filter Stack No. 2 (Sealant Asphalt Tank) | $PM/ PM_{10}$ | <0.01 | 0.02 |
| | | $SO_2$ | <0.01 | 0.01 |

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| | | | | |
|---|---|---|---|---|
| | | VOC | 0.11 | 0.46 |
| MODCOTASPHT1 | CECO Fiber Bed Filter Stack No. 3 (Modified Coating Tank) | $PM/PM_{10}$ | <0.01 | 0.02 |
| | | $SO_2$ | <0.01 | 0.01 |
| | | VOC | 0.11 | 0.46 |
| PREBLND-FLUX | CECO Fiber Bed Filter Stack No. 4 (Flux Tank 1, Flux Tank 2, Flux Pre Blend Tank) | $PM/PM_{10}$ | 0.17 | 0.75 |
| | | $SO_2$ | 0.14 | 0.60 |
| | | VOC | 4.08 | 17.84 |
| ROOF SAT | Roofing Saturator Demister Stack | $PM/PM_{10}$ | 1.14 | 5.01 |
| | | $SO_2$ | 2.26 | 9.91 |
| | | VOC | 1.01 | 4.44 |
| FELT SAT | Felt Line Saturator Demister Stack | $PM/PM_{10}$ | 0.18 | 0.80 |
| | | $SO_2$ | 0.34 | 1.49 |
| | | VOC | 0.39 | 1.70 |
| COOL VENT | Roofing Cooling Vent | PM | 0.76 | 3.34 |
| | | $PM_{10}$ | 0.38 | 1.67 |
| | | $SO_2$ | 0.23 | 0.99 |
| | | VOC | 0.68 | 2.96 |
| FELTCOOLVENT | Felt Line Saturation Cooling Vent | PM | 0.12 | 0.53 |
| | | $PM_{10}$ | 0.06 | 0.27 |
| | | $SO_2$ | 0.03 | 0.15 |
| | | VOC | 0.26 | 1.13 |
| GRAN APP | Granule Application | $PM/ PM_{10}$ | 0.31 | 1.37 |
| FELT MILL | Felt Mill | PM | 0.93 | 4.07 |
| | | $PM_{10}$ | 0.47 | 2.04 |
| USE BIN | Filler Use Bin (Bin Vent Stack) | $PM/PM_{10}$ | 0.15 | 0.67 |
| HEAT BIN | Filler Conveyance/Heating/Mixing Bin (Bin Vent Stack) | $PM/PM_{10}$ | 0.15 | 0.67 |
| FLRHOTOILHTR | Hot Oil Heater (Filler) | $PM/PM_{10}$ | 0.03 | 0.07 |
| | | CO | 0.17 | 0.68 |

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| | | | | |
|---|---|---|---|---|
| | | $SO_2$ | 1.00 | 0.37 |
| | | $NO_x$ | 0.28 | 0.39 |
| | | VOC | 0.01 | 0.04 |
| PREHEATER | Asphalt Preheater | $PM/PM_{10}$ | 0.14 | 0.38 |
| | | CO | 0.84 | 3.68 |
| | | $SO_2$ | 5.03 | 1.84 |
| | | $NO_x$ | 1.42 | 2.08 |
| | | VOC | 0.06 | 0.24 |
| BOILER | Process Heat Boiler | $PM/PM_{10}$ | 0.12 | 0.30 |
| | | CO | 0.70 | 3.07 |
| | | $SO_2$ | 4.20 | 1.53 |
| | | $NO_x$ | 1.18 | 1.63 |
| | | VOC | 0.41 | 0.20 |
| STEAMBOILER | Steam Boiler | $PM/PM_{10}$ | 0.36 | 0.90 |
| | | CO | 2.11 | 8.48 |
| | | $SO_2$ | 12.64 | 4.61 |
| | | $NO_x$ | 3.56 | 4.91 |
| | | VOC | 0.44 | 0.56 |
| FLUX HTR | Flux Asphalt Heater | $PM/PM_{10}$ | 0.12 | 0.30 |
| | | CO | 0.71 | 2.84 |
| | | $SO_2$ | 4.23 | 1.54 |
| | | $NO_x$ | 1.19 | 1.64 |
| | | VOC | 0.05 | 0.19 |
| COAT HTR | Coating Asphalt Heater | $PM/PM_{10}$ | 0.07 | 0.19 |
| | | CO | 0.44 | 1.76 |
| | | $SO_2$ | 2.62 | 0.96 |
| | | $NO_x$ | 0.74 | 1.02 |
| | | VOC | 0.03 | 0.12 |
| SURGEHOTOILHTR | Hot Oil Heater (Surge) | $PM/PM_{10}$ | 0.02 | 0.05 |
| | | CO | 0.13 | 0.51 |
| | | $SO_2$ | 0.76 | 0.28 |
| | | $NO_x$ | 0.21 | 0.29 |
| | | VOC | 0.01 | 0.03 |

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|---|---|---|---|---|
| LOADING RACK | Asphalt Loading Rack | VOC | 0.60 | 2.63 |

(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 an 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
$SO_2$ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including $PM_{10}$ and $PM_{2.5}$
$PM_{10}$ - particulate matter equal to or less than 10 microns in diameter
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

Dated February 11, 2010