

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 6629 and PSDTX114

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 (5) | |
|------------------------|--|--------------------------|--------------------|---------|
| | | | lb/hour | TPY (4) |
| RK300 | Coke and Coal Section Fugitives (6) | PM | 0.05 | 0.10 |
| | | PM ₁₀ | 0.02 | 0.05 |
| | | PM _{2.5} | <0.01 | 0.01 |
| C&S001A | Crushing and Screening 'A' Section Fugitives (6) | PM | 8.28 | 8.67 |
| | | PM ₁₀ | 3.38 | 3.54 |
| | | PM _{2.5} | 1.69 | 1.77 |
| C&S001C | Crushing and Screening 'C' Section Fugitives (6) | PM | 5.42 | 5.67 |
| | | PM ₁₀ | 2.19 | 2.30 |
| | | PM _{2.5} | 1.10 | 1.15 |
| RK107 | Kiln Nos. 1 and 2 Dust Stockpile (6) | PM | 0.01 | 0.05 |
| | | PM ₁₀ | <0.01 | 0.03 |
| | | PM _{2.5} | <0.01 | 0.01 |
| RKS1&2 | Kiln Nos. 1 and 2 Fugitives (6) | PM | 0.17 | 0.76 |
| | | PM ₁₀ | 0.09 | 0.38 |
| | | PM _{2.5} | 0.04 | 0.19 |
| RKS3 | Kiln No. 3 Stockpile Fugitives (6) | PM | 0.09 | 0.37 |
| | | PM ₁₀ | 0.04 | 0.19 |
| | | PM _{2.5} | 0.02 | 0.09 |
| RK288 | Kiln Nos. 1 and 2 Cyclone and Wet Scrubber Stack | NO _x | 106.10 | 437.30 |
| | | SO ₂ | 117.80 | 485.50 |
| | | PM | 48.20 | 198.90 |
| | | PM ₁₀ | 48.20 | 198.90 |
| | | PM _{2.5} | 48.20 | 198.90 |
| | | CO | 44.10 | 181.80 |
| | | VOC | 0.90 | 3.70 |

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|--------|---|-------------------|--------|--------|
| RK213 | Kiln No. 3 Baghouse Stack | NO _x | 118.50 | 425.50 |
| | | SO ₂ | 28.50 | 102.30 |
| | | PM | 13.50 | 48.60 |
| | | PM ₁₀ | 13.50 | 48.60 |
| | | PM _{2.5} | 13.50 | 48.60 |
| | | CO | 38.30 | 137.90 |
| | | VOC | 1.00 | 3.60 |
| RK133 | Kiln No. 1 Rejects Bin (6) | PM | 3.66 | 2.00 |
| | | PM ₁₀ | 3.66 | 2.00 |
| | | PM _{2.5} | 1.83 | 1.00 |
| RK233 | Kiln No. 2 Rejects Bin (6) | PM | 3.66 | 2.00 |
| | | PM ₁₀ | 3.66 | 2.00 |
| | | PM _{2.5} | 1.83 | 1.00 |
| RK218 | Kiln No. 3 Dust Bin Dust Collector Stack | PM | 0.17 | 0.75 |
| | | PM ₁₀ | 0.17 | 0.75 |
| | | PM _{2.5} | 0.04 | 0.19 |
| RK161 | Wet Fines Bin (6) | PM | 0.13 | 0.55 |
| | | PM ₁₀ | 0.13 | 0.55 |
| | | PM _{2.5} | 0.06 | 0.27 |
| RK508 | Product Tower Dust Collector Stack | PM | 1.03 | 4.51 |
| | | PM ₁₀ | 1.03 | 4.51 |
| | | PM _{2.5} | 0.26 | 1.13 |
| SK004 | West Bin No. 4 Dust Collector Stack | PM | 0.02 | 0.08 |
| | | PM ₁₀ | 0.02 | 0.08 |
| | | PM _{2.5} | <0.01 | 0.02 |
| SK005 | West Bin No. 5 Dust Collector Stack | PM | 0.02 | 0.08 |
| | | PM ₁₀ | 0.02 | 0.08 |
| | | PM _{2.5} | <0.01 | 0.02 |
| RK528A | Quicklime Product Bin Nos. 1, 4, and 6 Dust Collector Stack | PM | 0.09 | 0.39 |
| | | PM ₁₀ | 0.09 | 0.39 |

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|----------|---|-------------------|------|------|
| | | PM _{2.5} | 0.02 | 0.10 |
| RK529A | Quicklime Product Bin Nos. 2, 5, and 7 and Reclaim Bin No. 3 Dust Collector Stack | PM | 0.09 | 0.39 |
| | | PM ₁₀ | 0.09 | 0.39 |
| | | PM _{2.5} | 0.02 | 0.10 |
| RK532 | Quicklime Product Bin No. 8 Dust Collector Stack | PM | 0.06 | 0.26 |
| | | PM ₁₀ | 0.06 | 0.26 |
| | | PM _{2.5} | 0.02 | 0.07 |
| RK537 | Off Spec Pebble Loadout (6) | PM | 9.17 | 1.37 |
| | | PM ₁₀ | 9.08 | 1.28 |
| | | PM _{2.5} | 4.51 | 0.61 |
| BP006 | Pebble Bagging Dust Collector Stack | PM | 0.32 | 1.41 |
| | | PM ₁₀ | 0.32 | 1.41 |
| | | PM _{2.5} | 0.08 | 0.35 |
| PP015 | Bulk Pulverizer Dust Collector Stack | PM | 0.13 | 0.56 |
| | | PM ₁₀ | 0.13 | 0.56 |
| | | PM _{2.5} | 0.03 | 0.14 |
| PP004DCL | Pulverizer Loadout Dust Collector Stack | PM | 0.09 | 0.39 |
| | | PM ₁₀ | 0.09 | 0.39 |
| | | PM _{2.5} | 0.02 | 0.10 |
| RK525DCL | Product Bin No. 1 Loadout Dust Collector Stack | PM | 0.09 | 0.39 |
| | | PM ₁₀ | 0.09 | 0.39 |
| | | PM _{2.5} | 0.02 | 0.10 |
| RK526DCL | Product Bin No. 2 Loadout Dust Collector Stack | PM | 0.09 | 0.39 |
| | | PM ₁₀ | 0.09 | 0.39 |
| | | PM _{2.5} | 0.02 | 0.10 |
| RK528DCL | Product Bin No. 4 Loadout Dust Collector Stack | PM | 0.09 | 0.39 |
| | | PM ₁₀ | 0.09 | 0.39 |
| | | PM _{2.5} | 0.02 | 0.10 |
| RK529DCL | Product Bin No. 5 Loadout Dust Collector Stack | PM | 0.09 | 0.39 |

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| | | PM ₁₀ | 0.09 | 0.39 |
| | | PM _{2.5} | 0.02 | 0.10 |
| RK530DCL | Product Bin No. 6 Loadout Dust Collector Stack | PM | 0.09 | 0.39 |
| | | PM ₁₀ | 0.09 | 0.39 |
| | | PM _{2.5} | 0.02 | 0.10 |
| RK531DCL | Product Bin No. 7 Loadout Dust Collector Stack | PM | 0.09 | 0.39 |
| | | PM ₁₀ | 0.09 | 0.39 |
| | | PM _{2.5} | 0.02 | 0.10 |
| P013 | Pulverized Quicklime Bagger (6) | PM | 0.66 | 2.89 |
| | | PM ₁₀ | 0.66 | 2.89 |
| | | PM _{2.5} | 0.33 | 1.45 |
| HH586 | Hydrate Bin Nos. 3, 4, 5, and 6 Dust Collector Stack | PM | 0.47 | 2.06 |
| | | PM ₁₀ | 0.47 | 2.06 |
| | | PM _{2.5} | 0.12 | 0.52 |
| FD-001 | East and West Silo Dust Collector Stack | PM | 0.04 | 0.19 |
| | | PM ₁₀ | 0.04 | 0.19 |
| | | PM _{2.5} | 0.04 | 0.19 |
| FD-002 | Roll Crusher Dust Collector Stack | PM | 0.09 | 0.38 |
| | | PM ₁₀ | 0.09 | 0.38 |
| | | PM _{2.5} | 0.09 | 0.38 |
| FD-003 | Feed Silo Dust Collector Stack | PM | 0.09 | 0.38 |
| | | PM ₁₀ | 0.09 | 0.38 |
| | | PM _{2.5} | 0.09 | 0.38 |
| 4113-2 | Hydrator Primary Dust Collector Stack | PM | 0.35 | 1.53 |
| | | PM ₁₀ | 0.35 | 1.53 |
| | | PM _{2.5} | 0.35 | 1.53 |
| 4401-3 | Hydrator Nuisance Dust Collector Stack | PM | 0.50 | 2.17 |
| | | PM ₁₀ | 0.50 | 2.17 |
| | | PM _{2.5} | 0.50 | 2.17 |

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|--------|---|-------------------|-------|-------|
| LBH36 | Hydrate Loadout Dust Collector Stack | PM | 0.15 | 0.66 |
| | | PM ₁₀ | 0.15 | 0.66 |
| | | PM _{2.5} | 0.04 | 0.16 |
| BH033 | Hydrate Baggers Dust Collector Stack | PM | 0.47 | 2.06 |
| | | PM ₁₀ | 0.47 | 2.06 |
| | | PM _{2.5} | 0.12 | 0.52 |
| SK001 | West Bin No. 1 Dust Collector Stack | PM | 0.02 | 0.08 |
| | | PM ₁₀ | 0.02 | 0.08 |
| | | PM _{2.5} | <0.01 | 0.02 |
| SK002 | West Bin No. 2 Dust Collector Stack | PM | 0.02 | 0.08 |
| | | PM ₁₀ | 0.02 | 0.08 |
| | | PM _{2.5} | <0.01 | 0.02 |
| SK003 | West Bin No. 3 Dust Collector Stack | PM | 0.02 | 0.08 |
| | | PM ₁₀ | 0.02 | 0.08 |
| | | PM _{2.5} | <0.01 | 0.02 |
| RK217 | Kiln No. 3 Dust Bin (6) | PM | 0.18 | 0.08 |
| | | PM ₁₀ | 0.18 | 0.08 |
| | | PM _{2.5} | 0.09 | 0.04 |
| LBH23 | Hydrate Bin Nos. 1 and 2 Dust Collector Stack | PM | 0.15 | 0.66 |
| | | PM ₁₀ | 0.15 | 0.66 |
| | | PM _{2.5} | 0.04 | 0.16 |
| RK223 | Apron Conveyor Dust Collector Stack | PM | 0.26 | 1.13 |
| | | PM ₁₀ | 0.26 | 1.13 |
| | | PM _{2.5} | 0.06 | 0.28 |
| PP009 | Pulverized Product Bin Dust Collector Stack | PM | 0.02 | 0.08 |
| | | PM ₁₀ | 0.02 | 0.08 |
| | | PM _{2.5} | <0.01 | 0.02 |
| RK537A | Product Loading Blowback (6) | PM | 0.06 | <0.01 |
| | | PM ₁₀ | 0.06 | <0.01 |

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|-----------|--|-------------------|-------|-------|
| | | PM _{2.5} | 0.03 | <0.01 |
| RK550 | Product Loading (6) | PM | 1.83 | 1.26 |
| | | PM ₁₀ | 1.83 | 1.26 |
| | | PM _{2.5} | 0.92 | 0.63 |
| BH036 | Hydrate Bagging (6) | PM | <0.01 | 0.02 |
| | | PM ₁₀ | <0.01 | 0.02 |
| | | PM _{2.5} | <0.01 | 0.01 |
| LBH36-2 | Hydrate Loading Spout (6) | PM | 0.31 | 0.96 |
| | | PM ₁₀ | 0.31 | 0.96 |
| | | PM _{2.5} | 0.15 | 0.48 |
| TANKAWLT | Diesel Storage Tank | VOC | 0.06 | 0.01 |
| TANKGAS | Gasoline Storage Tank | VOC | 23.44 | 1.16 |
| TANKQUAR | Quarry Diesel Storage Tank | VOC | 0.06 | <0.01 |
| TANKQUAR2 | Quarry Diesel Tank No. 2 | VOC | 0.06 | <0.01 |
| TANKRACK | Fuel Loading Rack | VOC | 5.94 | 2.97 |
| MSSFUG | Inherently Low Emitting (ILE) Planned Maintenance Activities (6) | PM | 0.19 | 0.02 |
| | | PM ₁₀ | 0.09 | 0.01 |
| | | PM _{2.5} | 0.014 | 0.001 |

- (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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned maintenance, startup, and shutdown emissions are included.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: December 3, 2019