

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1360A

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 | TPY |
| E1-2 | Cement Truck, Road Emissions (4) | PM | 1.34 | 2.78 |
| | | PM ₁₀ | 0.49 | 1.02 |
| E1-7 | Gypsum Pile, Drop Fugitive (4) | PM | 0.08 | 0.07 |
| | | PM ₁₀ | 0.04 | 0.03 |
| E1-8 | Anhydrite Pile, Drop Fugitive (4) | PM | 0.08 | 0.05 |
| | | PM ₁₀ | 0.04 | 0.02 |
| E1-11 | Sand Pile, Drop Fugitive (4) | PM | 0.05 | 0.03 |
| | | PM ₁₀ | 0.02 | 0.02 |
| E1-12 | Quarry Operations (4) | PM | 41.76 | 11.38 |
| | | PM ₁₀ | 20.59 | 2.53 |
| E1-13 | Quarry Loader, Road Emissions (4) | PM | 0.78 | 2.59 |
| | | PM ₁₀ | 0.35 | 1.17 |
| E1-16 | Raw Materials Transfer Tower | PM | 0.13 | 0.10 |
| | | PM ₁₀ | 0.06 | 0.05 |
| E1-20 | Pile Material Loader, Road Emissions (4) | PM | 9.17 | 3.93 |
| | | PM ₁₀ | 4.13 | 1.77 |
| E1-21 | Sand Delivery Truck, Road Emissions (4) | PM | 21.59 | 13.47 |
| | | PM ₁₀ | 7.75 | 4.83 |
| E1-22 | CKD Truck Road Emissions (4) | PM | 3.23 | 3.02 |
| | | PM ₁₀ | 0.98 | 0.78 |

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AIR CONTAMINANTS DATA

| Emission * | Source | Air Contaminant | <u>Emission Rates</u> | |
|----------------------|---|------------------------|-----------------------|----------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | <u>TPY</u> |
| E1-23 | Raw Material Drops to Storage Area (4) | PM PM ₁₀ | 0.13 0.06 | 0.10 0.05 |
| E1-24 | Primary Crusher (4) | PM PM ₁₀ | <0.01 <0.01 | 0.01 <0.01 |
| E1-25 | Transfer Point No. 1 (4) | PM PM ₁₀ | 0.08 0.04 | 0.10 0.05 |
| E1-26 | Transfer Point No. 2 (4) | PM PM ₁₀ | 0.08 0.04 | 0.10 0.05 |
| E1-27 | Secondary Crusher (4) | PM PM ₁₀ | 0.26 0.09 | 0.32 0.12 |
| E1-28 | Overland Conveyor Diverter Drop (4) | PM PM ₁₀ | 0.08 0.04 | 0.10 0.05 |
| E1-29 | Limestone Storage Dome Drops (4) | PM PM ₁₀ | 0.08 0.04 | 0.10 0.05 |
| E1-30 | Underground Belt Feeder Drop (4) | PM PM ₁₀ | 0.04 0.02 | 0.08 0.04 |
| E1-31 | Raw Bins Baghouse | PM PM ₁₀ | 1.03 1.03 | 4.51 4.51 |
| E1-32 | Sand, Drop to Hopper (4) | PM PM ₁₀ | 0.02 0.01 | 0.01 <0.01 |
| E1-32a | Sand Hopper Drop to Belt (4) | PM PM ₁₀ | 0.01 <0.01 | <0.01 <0.01 |
| E2-2 | Kiln No. 1 | PM (5) | 77.70 | 340.00 |

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| <u>Emission</u> * | <u>Source</u> | <u>Air Contaminant</u> | <u>Emission Rates</u> | |
|----------------------|---|------------------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | <u>TPY</u> |
| | | PM ₁₀ | 66.05 | 289.30 |
| | | NO _x | 500.00 | 2190.00 |
| | | CO | 213.00 | 933.00 |
| | | THC | 7.73 | 33.86 |
| | | HCl | 9.30 | 38.60 |
| E2-4 | Kiln No. 2 | PM (5) | 77.70 | 340.00 |
| | | PM ₁₀ | 66.05 | 289.30 |
| | | NO _x | 500.00 | 2190.00 |
| | | CO | 213.00 | 933.00 |
| | | THC | 7.73 | 33.86 |
| | | HCl | 9.30 | 38.60 |
| E2-6 | Kiln No. 3 | PM (5) | 77.70 | 340.00 |
| | | PM ₁₀ | 66.05 | 289.30 |
| | | NO _x | 500.00 | 2190.00 |
| | | CO | 213.00 | 933.00 |
| | | THC | 7.73 | 33.86 |
| | | HCl | 9.30 | 38.60 |
| E2-8 | Kiln No. 4 | PM (5) | 77.70 | 340.00 |
| | | PM ₁₀ | 66.05 | 289.30 |
| | | NO _x | 500.00 | 2190.00 |
| | | CO | 213.00 | 933.00 |
| | THC | 7.73 | 33.86 | |
| | | HCl | 9.30 | 38.60 |
| E2-2, 4, 6, and 8 | Bubble Limit, Kiln Nos. 1, 2, 3, and 4 | SO ₂ | 3080.00 | 13490.40 |
| E2-2 and 8 | Bubble Limit Kiln Nos. 1 and 4 | SO ₂ | 1540.00 | 6745.20 |

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AIR CONTAMINANTS DATA

| Emission * | Source | Air Contaminant | <u>Emission Rates</u> | |
|----------------------|-----------------|-----------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | <u>TPY</u> |

**Contribution From Waste-Derived Fuel And Clinker Quench
Wastewater**

| | | | | |
|----------------------|--|------------------|--------|--------|
| E2-2, 4, 6, and 8 | Combined Total Emissions Limits for Kilns No. 1-4 | HCl | 13.30 | 49.90 |
| | | HF | 3.30 | 2.90 |
| | | As | 0.006 | 0.026 |
| | | Ag | 0.0123 | 0.054 |
| | | Ba | 0.414 | 1.81 |
| | | Be | 0.0061 | 0.0008 |
| | | Cd | 0.0341 | 0.149 |
| | | Cr | 0.227 | 0.53 |
| | | Hg | 0.0031 | 0.013 |
| | | Sb | 2.268 | 9.93 |
| | | Se | 0.0121 | 0.053 |
| | | Pb | 0.69 | 0.99 |
| | | Tl | 0.648 | 2.83 |
| | | Zn | 0.52 | 2.28 |
| E2-7 | Blending Silo Baghouse | PM | 0.56 | 2.44 |
| | | PM ₁₀ | 0.56 | 2.44 |
| E2-7a | Blending Silo Discharge Baghouse | PM | 1.03 | 4.51 |
| | | PM ₁₀ | 1.03 | 4.51 |
| E2-7b | Preheater Tower Pneumatic Feed Baghouse | PM | 0.73 | 3.19 |
| | | PM ₁₀ | 0.73 | 3.19 |
| E2-10a | CKD Drop to Landfill (4) | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| E2-10b | Quarry CKD Bin Baghouse | PM | 0.06 | 0.14 |
| | | PM ₁₀ | 0.06 | 0.14 |
| E2-11 | Lime Delivery Truck, Road Emissions (4) | PM | 5.69 | 0.47 |
| | | PM ₁₀ | 0.59 | 0.05 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|--|----------------------------------|------------------|---------|
| | | | lb/hr | TPY |
| E2-11b | Lime Silo Baghouse | PM | 0.06 | 0.07 |
| | | PM ₁₀ | 0.06 | 0.07 |
| E2-12 | Iron Component Truck, Road Emission (4) | PM | 17.67 | 8.84 |
| | | PM ₁₀ | 5.99 | 2.99 |
| E2-13 | Iron Additive Drop to Piles (4) | PM | 0.37 | 0.18 |
| | | PM ₁₀ | 0.17 | 0.09 |
| E2-14 | Iron Component Loader, Road Emissions (4) | PM | 9.17 | 5.68 |
| | | PM ₁₀ | 4.13 | 2.55 |
| E2-15 | Loader Drop to Iron Additive Hopper (4) | PM | 0.08 | 0.05 |
| | | PM ₁₀ | 0.04 | 0.02 |
| E2-16 | Iron Additive Feed System Baghouse | PM | 0.26 | 1.13 |
| | | PM ₁₀ | 0.26 | 1.13 |
| E2-22 | Kiln No. 5 Main Stack | PM/PM ₁₀ (front-half) | 29.24 | 128.10 |
| | | PM/PM ₁₀ (back-half) | 40.00 | 160.00 |
| | | NO _x | 681.25 | 2725.00 |
| | | SO ₂ | 332.25 | 1329.00 |
| | | THC | 6.40 | 25.60 |
| | | CO | 92.44 | 369.74 |
| | | H ₂ SO ₄ | 6.64 | 29.08 |
| | | TRS (including H ₂ S) | 0.03 | 0.13 |
| E2-101 | No. 1 Cooler Baghouse | PM | 2.35 | 10.29 |
| | | PM ₁₀ | 1.79 | 7.84 |
| E2-103 | No. 2 Cooler Baghouse | PM | 8.78 | 38.46 |
| | | PM ₁₀ | 6.67 | 29.23 |
| E2-105 | No. 3 Cooler Baghouse | PM | 8.78 | 38.46 |
| | | PM ₁₀ | 6.67 | 29.23 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|---|-----------------------------|------------------|-------|
| | | | lb/hr | TPY |
| E2-107 | No. 4 Cooler Baghouse | PM | 2.35 | 10.29 |
| | | PM ₁₀ | 1.79 | 7.84 |
| E3-6 | 700 and 703 Pan from Surge Bin (4) | PM | 0.86 | 1.88 |
| | | PM ₁₀ | 0.86 | 1.88 |
| E3-10 | Clinker Silos 15-18 (4) | PM | 0.43 | 1.88 |
| | | PM ₁₀ | 0.43 | 1.88 |
| E3-11 | Belt Transfer 707 Tail Pulley (4) | PM | 0.64 | 1.41 |
| | | PM ₁₀ | 0.64 | 1.41 |
| E3-12 | Belt Trans. Head Wheel 703, 704, 721 (4) | PM | 0.26 | 0.56 |
| | | PM ₁₀ | 0.26 | 0.56 |
| E3-15 | Trans Head Pull 702 Pan; 748 Drag (4) | PM | 0.43 | 0.94 |
| | | PM ₁₀ | 0.43 | 0.94 |
| E3-23 | Lower Reclaim Belt Baghouse | PM | 0.26 | 0.38 |
| | | PM ₁₀ | 0.26 | 0.38 |
| E3-24 | Belt Transfer 707, 708, 780 (4) | PM | 0.43 | 0.94 |
| | | PM ₁₀ | 0.43 | 0.94 |
| E3-26 | Belt Transfer 742, 703, 740, 741 | PM | 0.64 | 2.82 |
| | | PM ₁₀ | 0.64 | 2.82 |
| E3-29 | No. 2 Cooler Tunnel | PM | 0.27 | 1.20 |
| | | PM ₁₀ | 0.27 | 1.20 |
| E3-30 | No. 1 Cooler Tunnel | PM | 0.27 | 1.20 |
| | | PM ₁₀ | 0.27 | 1.20 |
| E3-33 | Clinker Barn West Baghouse | PM | 0.64 | 2.82 |
| | | PM ₁₀ | 0.64 | 2.82 |
| E3-34 | Surge Bin Transfer 713, 715, 717, 718 | PM | 0.64 | 0.84 |
| | | PM ₁₀ | 0.64 | 0.84 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|---|-----------------------------|------------------|-------|
| | | | lb/hr | TPY |
| E3-35 | 706 Drag Conveyor | PM | 0.09 | 0.19 |
| | | PM ₁₀ | 0.09 | 0.19 |
| E3-37 | Transfer 700, 704, 701 | PM | 0.86 | 3.75 |
| | | PM ₁₀ | 0.86 | 3.75 |
| E3-38 | 712 Tunnel at Clinker Building | PM | 0.64 | 1.41 |
| | | PM ₁₀ | 0.64 | 1.41 |
| E3-41 | East Clinker Door Baghouse | PM | 0.64 | 2.82 |
| | | PM ₁₀ | 0.64 | 2.82 |
| E3-42 | West Clinker Door Baghouse | PM | 0.64 | 2.82 |
| | | PM ₁₀ | 0.64 | 2.82 |
| E3-50 | Mill Additives Drop to Rail Hopper (4) | PM | 0.04 | 0.03 |
| | | PM ₁₀ | 0.02 | 0.02 |
| E3-51 | Hopper Drop to Belt (4) | PM | 0.04 | 0.03 |
| | | PM ₁₀ | 0.02 | 0.02 |
| E3-52 | Pan Conveyor Baghouse | PM | 0.51 | 2.25 |
| | | PM ₁₀ | 0.51 | 2.25 |
| E3-53 | Clinker Belt Transfer Baghouse | PM | 0.51 | 2.25 |
| | | PM ₁₀ | 0.51 | 2.25 |
| E3-54 | FM No. 6 Bins Baghouse | PM | 0.86 | 3.75 |
| | | PM ₁₀ | 0.86 | 3.75 |
| E3-55 | Finish Mill No. 6 Separator Baghouse | PM | 4.48 | 19.62 |
| | | PM ₁₀ | 2.24 | 9.81 |
| E3-56 | Finish Mill No. 6 Baghouse | PM | 1.28 | 5.61 |
| | | PM ₁₀ | 0.64 | 2.80 |
| E4-1 | Finish Silo Group No. 4 | PM | 0.43 | 1.88 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|---|-----------------------------|------------------|------|
| | | | lb/hr | TPY |
| | Baghouse | PM ₁₀ | 0.43 | 1.88 |
| E4-3 | Finish Silo Group No. 4 Baghouse | PM | 0.43 | 1.88 |
| | | PM ₁₀ | 0.43 | 1.88 |
| E4-5 | Finish Silo Group No. 2 Baghouse | PM | 0.05 | 0.23 |
| | | PM ₁₀ | 0.05 | 0.23 |
| E4-6 | Finish Silo Group No. 1 Baghouse | PM | 0.13 | 0.56 |
| | | PM ₁₀ | 0.13 | 0.56 |
| E4-7 | Finish Silo Group No. 1 Baghouse | PM | 0.13 | 0.56 |
| | | PM ₁₀ | 0.13 | 0.56 |
| E4-8 | Finish Silo Group No. 1 Baghouse | PM | 0.08 | 0.34 |
| | | PM ₁₀ | 0.08 | 0.34 |
| E4-9 | Finish Silo Group No. 2 Baghouse (6) | PM | 0.04 | 0.17 |
| | | PM ₁₀ | 0.04 | 0.17 |
| E4-10 | Finish Silo Group No. 2 Baghouse (6),(8) | PM | 0.21 | 0.32 |
| | | PM ₁₀ | 0.21 | 0.32 |
| E4-11 | Rail Loading No. 3 Baghouse (6) | PM | 0.14 | 0.62 |
| | | PM ₁₀ | 0.14 | 0.62 |
| E4-12 | FM No. 6 Transfer Baghouse (6),(8) | PM | 0.43 | 0.64 |
| | | PM ₁₀ | 0.43 | 0.64 |
| E4-13 | Truck Load-out Baghouse (6),(8) | PM | 0.06 | 0.09 |
| | | PM ₁₀ | 0.06 | 0.09 |
| E4-16 | Truck Load-out Baghouse (6),(8) | PM | 0.21 | 0.32 |
| | | PM ₁₀ | 0.21 | 0.32 |
| E4-17 | Truck Load-out Baghouse (6),(8) | PM | 0.21 | 0.32 |
| | | PM ₁₀ | 0.21 | 0.32 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|---|-----------------------------|------------------|------|
| | | | lb/hr | TPY |
| E4-18 | Truck Loading Baghouse (6),(8) | PM | 0.21 | 0.32 |
| | | PM ₁₀ | 0.21 | 0.32 |
| E4-19 | Finish Silo Group No. 2 Baghouse (6) | PM | 0.19 | 0.83 |
| | | PM ₁₀ | 0.19 | 0.83 |
| E4-20 | Finish Silo Group No. 2 Baghouse (6) | PM | 0.69 | 3.00 |
| | | PM ₁₀ | 0.69 | 3.00 |
| E4-21 | Finish Silo Group No. 2 Baghouse (6),(8) | PM | 0.04 | 0.17 |
| | | PM ₁₀ | 0.04 | 0.17 |
| E4-22 | Truck Load-out Baghouse (6),(8) | PM | 0.32 | 0.48 |
| | | PM ₁₀ | 0.32 | 0.48 |
| E4-25 | Masonry Bagging Baghouse (6),(9) | PM | 0.21 | 0.19 |
| | | PM ₁₀ | 0.21 | 0.19 |
| E6-1 | Coal, Drop from Railcar (4) | PM | 0.12 | 0.09 |
| | | PM ₁₀ | 0.06 | 0.04 |
| E6-2 | Solid Fuel, Rail Hopper Drop to Belt (4) | PM | 0.12 | 0.09 |
| | | PM ₁₀ | 0.06 | 0.04 |
| E6-3 | Solid Fuel, Belt Drop to Piles (4) | PM | 0.24 | 0.18 |
| | | PM ₁₀ | 0.11 | 0.08 |
| E6-4 | Coal Pile, Wind Blown Emissions (4) | PM | 0.01 | 0.05 |
| | | PM ₁₀ | 0.01 | 0.03 |
| E6-5 | Solid Fuel, Truck Road Emissions (4),(7) | PM | 1.14 | 1.06 |
| | | PM ₁₀ | 0.51 | 0.48 |
| E6-6 | Coal Loader Road Emissions (4) | PM | 0.41 | 0.37 |
| | | PM ₁₀ | 0.19 | 0.17 |
| E6-7 | Solid Fuel, Loadout to Covered Storage (4) | PM | 0.19 | 0.17 |
| | | PM ₁₀ | 0.09 | 0.08 |

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|--|-----------------------------|------------------|-------|
| | | | lb/hr | TPY |
| E6-8 | Coal, Truck Drops to Pile (4) | PM | 1.05 | 0.16 |
| | | PM ₁₀ | 0.50 | 0.08 |
| E6-9 | Solid Fuel, Loader Drop to Hopper (4) | PM | 0.07 | 0.08 |
| | | PM ₁₀ | 0.03 | 0.04 |
| E6-10 | Coal Crusher (4) | PM | 0.02 | 0.02 |
| | | PM ₁₀ | 0.01 | 0.01 |
| E6-11 | Coal Belt to No. 4 Coal Bin (4) | PM | 0.04 | 0.04 |
| | | PM ₁₀ | 0.02 | 0.02 |
| E6-12 | Coal Belt to No. 3 Coal Bin (4) | PM | 0.03 | 0.03 |
| | | PM ₁₀ | 0.01 | 0.01 |
| E6-13 | Coal Belt to No. 2 Coal Bin (4) | PM | 0.02 | 0.02 |
| | | PM ₁₀ | 0.01 | 0.01 |
| E6-14 | Coal Belt to No. 1 Coal Bin (4) | PM | 0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| E6-15 | Solid Fuel, Drop to Belt (4) | PM | 0.03 | 0.03 |
| | | PM ₁₀ | 0.01 | 0.02 |
| E6-18 | Solid Fuel, Drop to Stacker Belt (4) | PM | 0.05 | 0.04 |
| | | PM ₁₀ | 0.02 | 0.02 |
| E6-19 | Coal Bin No. 4 to Coal Mill Feed Belt (4) | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| E6-20 | Coal Bin No. 3 to Coal Mill Feed Belt (4) | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| E6-21 | Coal Bin No. 2 to Coal Mill Feed Belt (4) | PM | <0.01 | 0.01 |
| | | PM ₁₀ | <0.01 | <0.01 |
| E6-22 | Coal Bin No. 1 to | PM | <0.01 | 0.01 |

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AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|---|-----------------------------|------------------|----------------|
| | | | lb/hr | TPY |
| | Coal Mill Feed Belt (4) | PM ₁₀ | <0.01 | <0.01 |
| E6-23 | No. 4 Coal Belt to Coal Mill (4) | PM PM ₁₀ | <0.01 <0.01 | 0.01 <0.01 |
| E6-24 | No. 3 Coal Belt to Coal Mill (4) | PM PM ₁₀ | <0.01 <0.01 | 0.01 <0.01 |
| E6-25 | No. 2 Coal Belt to Coal Mill (4) | PM PM ₁₀ | <0.01 <0.01 | 0.01 <0.01 |
| E6-26 | No. 1 Coal Belt to Coal Mill (4) | PM PM ₁₀ | <0.01 <0.01 | 0.01 <0.01 |
| E6-27 | Solid Fuel, Conveyor Diverter Drop (4) | PM PM ₁₀ | 0.03 0.01 | 0.03 0.02 |
| E6-28 | Solid Fuel, Drop to Mill Bin (4) | PM PM ₁₀ | 0.03 0.01 | 0.02 0.01 |
| E6-29 | Solid Fuel Bin, Drop to Weigh Feeder (4) | PM PM ₁₀ | 0.01 <0.01 | 0.02 0.01 |
| E6-30 | Coal Mill Exhaust | PM PM ₁₀ | 4.77 4.77 | 20.87 20.87 |
| E6-31 | Coal Fines Bin Baghouse | PM PM ₁₀ | 0.13 0.13 | 0.56 0.56 |
| CKDL-1 | CKD Landfill Dozer Emissions (4) | PM PM ₁₀ | 0.17 0.07 | 0.04 0.02 |
| CKDL-2 | CKD Landfill Windblown Emissions (4) | PM PM ₁₀ | - - | 0.10 0.05 |
| E-A-1 | Manifold Small Tanks (4) | VOC | 0.05 | 0.24 |

| | | | | |
|-----------|--------------------------------------|-----|-------|------|
| E-A-2 | Manifold Large Tanks (4) | VOC | 0.02 | 0.10 |
| E-F-1 | Small Storage Equipment (4) | VOC | 0.05 | 0.21 |
| E-F-2 | Large Storage Equipment (4) | VOC | 0.07 | 0.31 |
| E-F-3 | Pump Pit Fuel Component (4) | VOC | 0.07 | 0.30 |
| E-F-4 | Fuel Island Fuel Lines (4) | VOC | 0.08 | 0.34 |
| E-F-5 | Burner Floor Fuel Lines (4) | VOC | 0.02 | 0.10 |
| E-Q-1 | Fuel Island Quench Lines (4) | VOC | <0.01 | 0.02 |
| E-Q-2 | Quench Tank Equipment (4) | VOC | <0.01 | 0.04 |
| E-Q-3 | Pump Pit Quench Water Components (4) | VOC | <0.01 | 0.01 |
| E-Q-4 | Burner Floor Quench Lines (4) | VOC | 0.03 | 0.11 |
| Fugitives | WDF/Quench Fugitives (4) | VOC | 1.58 | 6.90 |

- (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) 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 particulate matter greater than 10 microns is emitted.
NO_x - total oxides of nitrogen
CO - carbon monoxide
THC - total hydrocarbons
HCl - hydrogen chloride

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

| | |
|--------------------------------|---|
| SO ₂ | - sulfur dioxide |
| H ₂ SO ₄ | - sulfuric acid mist |
| TRS | - total reduced sulfur |
| H ₂ S | - hydrogen sulfide |
| VOC | - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1 |
| HF | - hydrogen fluoride |
| As | - arsenic |
| Ag | - silver |
| Ba | - barium |
| Be | - beryllium |
| Cd | - cadmium |
| Cr | - chromium |
| Hg | - mercury |
| Pb | - lead |
| Sb | - antimony |
| Se | - selenium |
| Tl | - thallium |
| Zn | - zinc |

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) PM allowable includes front and back half catch and is based on the 30 TAC Chapter I allowable and a stack flow rate of 150,000 acfm.
- (6) Emission rates are based on a limited annual basis with compliance demonstrated by records of cement stored or shipped through these facilities. Operations limitations are as follows:
 - 1. Operation of EPNs E4-9, 10, 11, 12, 13, 16, 17, 28, 21, 22, and 25 are limited to the hours between 4 a.m. and 8 p.m.
 - 2. Operation of EPNs E4-19 and E4-20 are limited to the hours between 8 a.m. and midnight.
- (7) EPN 6-5 is vehicle traffic emissions from E6-5A through E6-5S2 as listed in Table 6.1 on page 11 of the February, 1999 amendment application to this permit.
- (8) Annual emission rates are based on and the facilities are limited to a maximum annual operating schedule of 2,978 hours per year.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

| Emission Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates * | |
|---------------------------|--------------------|-----------------------------|------------------|-----|
| | | | lb/hr | TPY |

(9) Annual emission rates are based on and the facilities are limited to a maximum annual operating schedule of 1,752 hours per year.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule except where noted:

Hrs/day ____ Days/week ____ Weeks/year ____ or Hrs/year 8,760

Dated _____