

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 54295

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.<br>(1) | Source Name (2)                  | Air Contaminant Name (3) | Emission Rates (8) |         |
|---------------------------|----------------------------------|--------------------------|--------------------|---------|
|                           |                                  |                          | lbs/hour           | TPY (4) |
| ACBDTANK                  | Autoclave Blowdown Tank          | VOC                      | 0.04               | 0.16    |
|                           |                                  | NH <sub>3</sub>          | <0.01              | <0.01   |
| CT0001                    | Autoclave Cooling Tower 1        | PM                       | 0.17               | 0.75    |
|                           |                                  | PM <sub>10</sub>         | 0.14               | 0.62    |
|                           |                                  | PM <sub>2.5</sub>        | <0.01              | 0.01    |
| CT0002                    | Autoclave Cooling Tower 2        | PM                       | 0.17               | 0.75    |
|                           |                                  | PM <sub>10</sub>         | 0.14               | 0.62    |
|                           |                                  | PM <sub>2.5</sub>        | <0.01              | 0.01    |
| CLP1PHT                   | ColorPlus Line 1 Preheat Oven    | NO <sub>x</sub>          | 0.20               | 0.86    |
|                           |                                  | CO                       | 0.16               | 0.72    |
|                           |                                  | SO <sub>2</sub>          | <0.01              | <0.01   |
|                           |                                  | VOC                      | 0.01               | 0.05    |
|                           |                                  | PM                       | 0.01               | 0.07    |
|                           |                                  | PM <sub>10</sub>         | 0.01               | 0.07    |
|                           |                                  | PM <sub>2.5</sub>        | 0.01               | 0.07    |
| CPL1DRY1                  | ColorPlus Line 1 Cure Oven No. 1 | NO <sub>x</sub>          | 0.20               | 0.86    |
|                           |                                  | CO                       | 0.16               | 0.72    |
|                           |                                  | SO <sub>2</sub>          | <0.01              | <0.01   |
|                           |                                  | VOC                      | 0.01               | 0.05    |

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|          |                                     |                    |       |       |
|----------|-------------------------------------|--------------------|-------|-------|
|          |                                     | PM                 | 0.01  | 0.07  |
|          |                                     | PM <sub>10</sub>   | 0.01  | 0.07  |
|          |                                     | PM <sub>2.5</sub>  | 0.01  | 0.07  |
|          |                                     | Exempt Solvent (6) |       |       |
| CPL1DRY2 | ColorPlus Line 1<br>Cure Oven No. 2 | NO <sub>x</sub>    | 0.29  | 1.29  |
|          |                                     | CO                 | 0.25  | 1.08  |
|          |                                     | SO <sub>2</sub>    | <0.01 | <0.01 |
|          |                                     | VOC                | 0.02  | 0.07  |
|          |                                     | PM                 | 0.02  | 0.10  |
|          |                                     | PM <sub>10</sub>   | 0.02  | 0.10  |
|          |                                     | PM <sub>2.5</sub>  | 0.02  | 0.10  |
|          |                                     | Exempt Solvent (6) |       |       |
| CPL1ONLD | ColorPlus Line 1<br>Onloader        | PM                 | 0.37  | 1.62  |
|          |                                     | PM <sub>10</sub>   | 0.37  | 1.62  |
|          |                                     | PM <sub>2.5</sub>  | 0.17  | 0.75  |
| BLDGFUG  | Building Fugitives<br>(5)(7)        | NO <sub>x</sub>    | 0.64  | 2.79  |
|          |                                     | CO                 | 0.54  | 2.34  |
|          |                                     | SO <sub>2</sub>    | <0.01 | 0.02  |
|          |                                     | VOC                | 43.55 | 31.87 |
|          |                                     | PM                 | 6.97  | 30.53 |
|          |                                     | PM <sub>10</sub>   | 2.66  | 11.63 |
|          |                                     | PM <sub>2.5</sub>  | 0.75  | 3.29  |
|          |                                     | Exempt Solvent (6) | 27.67 | 8.30  |
| SANDFUG  | Sand Fugitives (5)                  | PM                 | 0.46  | 2.02  |
|          |                                     | PM <sub>10</sub>   | 0.18  | 0.77  |

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|          |   |                   |        |        |
|----------|---|-------------------|--------|--------|
|          |   | PM <sub>2.5</sub> | 0.03   | 0.14   |
| FCFUG    | FC Reject Material<br>Outside Stockpile<br>(5)    | PM                | -.-    | 0.36   |
|          |   | PM <sub>10</sub>  | -.-    | 0.18   |
|          |   | PM <sub>2.5</sub> | -.-    | 0.03   |
| CMSNBVF  | Outside Cement Silo<br>North Baghouse<br>Stack    | PM                | 0.05   | 0.22   |
|          |   | PM <sub>10</sub>  | 0.02   | 0.07   |
|          |   | PM <sub>2.5</sub> | <0.01  | 0.01   |
| CMSSBVF  | Outside Cement Silo<br>South Baghouse<br>Stack    | PM                | 0.05   | 0.22   |
|          |   | PM <sub>10</sub>  | 0.02   | 0.07   |
|          |   | PM <sub>2.5</sub> | <0.01  | 0.01   |
| CMDBL1BV | Cement Day Bin<br>Line 1 Bin Vent<br>Filter Stack | PM                | 0.06   | 0.24   |
|          |   | PM <sub>10</sub>  | 0.06   | 0.24   |
|          |   | PM <sub>2.5</sub> | 0.06   | 0.24   |
| CMDBL2BV | Cement Day Bin<br>Line 2 Bin Vent<br>Filter Stack | PM                | 0.06   | 0.24   |
|          |   | PM <sub>10</sub>  | 0.06   | 0.24   |
|          |   | PM <sub>2.5</sub> | 0.06   | 0.24   |
| LMSBVF   | Lime Silo Baghouse<br>Stack                       | PM                | 0.05   | 0.22   |
|          |   | PM <sub>10</sub>  | 0.02   | 0.07   |
|          |   | PM <sub>2.5</sub> | <0.01  | 0.01   |
| LMFUG    | Lime Slakers (5)                                  | PM                | < 0.01 | < 0.01 |
|          |   | PM <sub>10</sub>  | < 0.01 | < 0.01 |
|          |   | PM <sub>2.5</sub> | < 0.01 | < 0.01 |
| ADD1SBVF | Additive 1 Silo<br>Baghouse Stack                 | PM                | 0.05   | 0.22   |

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|-----------|--|-------------------|--------|--------|
|           |  | PM <sub>10</sub>  | 0.02   | 0.07   |
|           |  | PM <sub>2.5</sub> | < 0.01 | 0.01   |
| ADDTXSBVF | Raw Material Silo<br>Bin Vent Filter   | PM                | 0.06   | 0.26   |
|           |  | PM <sub>10</sub>  | 0.06   | 0.26   |
|           |  | PM <sub>2.5</sub> | 0.06   | 0.26   |
| TXFUG     | Line 1 Additive TX<br>Batch Vessel (5) | PM                | < 0.01 | 0.03   |
|           |  | PM <sub>10</sub>  | < 0.01 | 0.02   |
|           |  | PM <sub>2.5</sub> | < 0.01 | < 0.01 |
| SPSBVF    | Spheres Silo<br>Baghouse Stack         | PM                | 0.25   | 1.08   |
|           |  | PM <sub>10</sub>  | 0.04   | 0.18   |
|           |  | PM <sub>2.5</sub> | 0.02   | 0.07   |
| BL110201  | Boiler No. 1 Stack                     | NO <sub>x</sub>   | 1.18   | 5.15   |
|           |  | CO                | 2.69   | 11.78  |
|           |  | SO <sub>2</sub>   | 0.02   | 0.08   |
|           |  | VOC               | 0.18   | 0.77   |
|           |  | PM                | 0.24   | 1.07   |
|           |  | PM <sub>10</sub>  | 0.24   | 1.07   |
|           |  | PM <sub>2.5</sub> | 0.24   | 1.07   |
| BL210202  | Boiler No. 2 Stack                     | NO <sub>x</sub>   | 1.18   | 5.15   |
|           |  | CO                | 2.69   | 11.78  |
|           |  | SO <sub>2</sub>   | 0.02   | 0.08   |
|           |  | VOC               | 0.18   | 0.77   |
|           |  | PM                | 0.24   | 1.07   |
|           |  | PM <sub>10</sub>  | 0.24   | 1.07   |

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|          |                                 |                   |      |       |
|----------|---------------------------------|-------------------|------|-------|
|          |                                 | PM <sub>2.5</sub> | 0.24 | 1.07  |
| BL310203 | Boiler No. 3 Stack              | NO <sub>x</sub>   | 1.18 | 5.15  |
|          |                                 | CO                | 2.69 | 11.78 |
|          |                                 | SO <sub>2</sub>   | 0.02 | 0.08  |
|          |                                 | VOC               | 0.18 | 0.77  |
|          |                                 | PM                | 0.24 | 1.07  |
|          |                                 | PM <sub>10</sub>  | 0.24 | 1.07  |
|          |                                 | PM <sub>2.5</sub> | 0.24 | 1.07  |
| BL410204 | Boiler No. 4 Stack              | NO <sub>x</sub>   | 1.18 | 5.15  |
|          |                                 | CO                | 2.69 | 11.78 |
|          |                                 | SO <sub>2</sub>   | 0.02 | 0.08  |
|          |                                 | VOC               | 0.18 | 0.77  |
|          |                                 | PM                | 0.24 | 1.07  |
|          |                                 | PM <sub>10</sub>  | 0.24 | 1.07  |
|          |                                 | PM <sub>2.5</sub> | 0.24 | 1.07  |
| BL510205 | Boiler No. 5 Stack              | NO <sub>x</sub>   | 1.18 | 5.15  |
|          |                                 | CO                | 2.69 | 11.78 |
|          |                                 | SO <sub>2</sub>   | 0.02 | 0.08  |
|          |                                 | VOC               | 0.18 | 0.77  |
|          |                                 | PM                | 0.24 | 1.07  |
|          |                                 | PM <sub>10</sub>  | 0.24 | 1.07  |
|          |                                 | PM <sub>2.5</sub> | 0.24 | 1.07  |
| PHT51302 | CL3 Finishing Line<br>Preheater | NO <sub>x</sub>   | 0.14 | 0.60  |

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|          |  |                   |        |       |
|----------|--|-------------------|--------|-------|
|          |  | CO                | 0.12   | 0.50  |
|          |  | SO <sub>2</sub>   | <0.01  | <0.01 |
|          |  | VOC               | 0.01   | 0.03  |
|          |  | PM                | 0.01   | 0.05  |
|          |  | PM <sub>10</sub>  | 0.01   | 0.05  |
|          |  | PM <sub>2.5</sub> | 0.01   | 0.05  |
| DRY51309 | CL3 Finishing Line Dryer                 | NO <sub>x</sub>   | 0.20   | 0.86  |
|          |  | CO                | 0.16   | 0.72  |
|          |  | SO <sub>2</sub>   | < 0.01 | 0.01  |
|          |  | VOC               | 0.01   | 0.05  |
|          |  | PM                | 0.01   | 0.07  |
|          |  | PM <sub>10</sub>  | 0.01   | 0.07  |
|          |  | PM <sub>2.5</sub> | 0.01   | 0.07  |
| AKN30310 | Slitter Box System (Air Knives) Line 1   | PM                | 0.19   | 0.81  |
|          |  | PM <sub>10</sub>  | 0.19   | 0.81  |
|          |  | PM <sub>2.5</sub> | 0.19   | 0.81  |
| AKN31212 | Slitter Box System (Air Knives) Line 2   | PM                | 0.19   | 0.81  |
|          |  | PM <sub>10</sub>  | 0.19   | 0.81  |
|          |  | PM <sub>2.5</sub> | 0.19   | 0.81  |
| AKN31313 | Slitter Box System (Air Knives) Line 3   | PM                | 0.19   | 0.81  |
|          |  | PM <sub>10</sub>  | 0.19   | 0.81  |
|          |  | PM <sub>2.5</sub> | 0.19   | 0.81  |
| CL2ONB03 | Coating Line 2 Onloader (from autoclave) | PM                | 0.37   | 1.62  |
|          |  | PM <sub>10</sub>  | 0.37   | 1.62  |

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|           |  |                   |      |        |
|-----------|--|-------------------|------|--------|
|           |  | PM <sub>2.5</sub> | 0.37 | 1.62   |
| CL3ONB04  | Coating Line 3 Onloader (from autoclave)       | PM                | 0.37 | 1.62   |
|           |  | PM <sub>10</sub>  | 0.37 | 1.62   |
|           |  | PM <sub>2.5</sub> | 0.37 | 1.62   |
| CL2SB1    | Coating Line 2 Sanding Baghouse Stack (1 of 4) | PM                | 1.12 | 4.92   |
|           |  | PM <sub>10</sub>  | 1.12 | 4.92   |
|           |  | PM <sub>2.5</sub> | 1.12 | 4.92   |
| CL2SB3    | Coating Line 2 Sawdust Baghouse Stack (3 of 4) | PM                | 0.86 | 3.75   |
|           |  | PM <sub>10</sub>  | 0.86 | 3.75   |
|           |  | PM <sub>2.5</sub> | 0.86 | 3.75   |
| CL2SB4    | Coating Line 2 Sawdust Baghouse Stack (4 of 4) | PM                | 1.39 | 6.10   |
|           |  | PM <sub>10</sub>  | 1.39 | 6.10   |
|           |  | PM <sub>2.5</sub> | 1.39 | 6.10   |
| CL2SB2    | Coating Line 2 Sanding Baghouse Stack (2 of 4) | PM                | 0.99 | 4.36   |
|           |  | PM <sub>10</sub>  | 0.99 | 4.36   |
|           |  | PM <sub>2.5</sub> | 0.99 | 4.36   |
| BKRLNB    | Backer Line Baghouse Stack                     | PM                | 0.77 | 3.38   |
|           |  | PM <sub>10</sub>  | 0.77 | 3.38   |
|           |  | PM <sub>2.5</sub> | 0.77 | 3.38   |
| Site wide | All Sources                                    | Individual HAPs   |      | <10.00 |
|           |  | All HAPs          |      | <25.00 |

(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

NH<sub>3</sub> - ammonia

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

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|                   |  |
|-------------------|--|
| PM <sub>10</sub>  | - total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented                                |
| PM <sub>2.5</sub> | - 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              |
| Exempt solvent    | - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound. |

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Exempt solvents that may be released from cure oven stacks are accounted for in the total exempt solvents emitted from EPN BLDGFUG.
- (7) Includes emissions from coating operations.
- (8) Planned startup and shutdown emissions are included. Maintenance activities with the exception of material handling system maintenance, filter change-outs, and ColorPlus paint tank cleaning are not authorized by this permit. The emission limits specified in the Maximum Allowable Emission Rates Table for the material handling system maintenance, filter change-outs, and ColorPlus paint tank cleaning include emissions from the facility during both normal and planned maintenance activities.

Date: October 31, 2014