# TV FER/EIS Emissions Report (200515) for 2010
# B-Way Corporation
# 1431340460
# January 25, 2011

# 2010 Emissions Summary Report : 200515

Oct 7 2011, 11:15:27

## - Report Data

Report Category: TV

Submitted Date: 01/25/2011 Approved Date 01/28/2011

Reporting Year: 2010 Reporting State Approved

## - Reports Included

FER: X ES: EIS: X

## - Facility Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units |
|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0.26 | 0.26 | TONs |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs |
| NOx - Nitrogen Oxides | NOX | X | 0. | 3.28 | 3.28 | TONs |
| Organic Compounds | OC | X | 4.5 | 13.47 | 17.97 | TONs |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0.26 | 0.26 | TONs |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs |
| VOC - Volatile Organic Compounds | VOC | | 4.5 | 13.29 | 17.79 | TONs |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs |
| CO - Carbon Monoxide | CO | | 0. | 2.92 | 2.92 | TONs |
| Total of Chargable Pollutants | | | | | 21.51 | TONS |

## - Attachments

| Description | Type | Public Document | Trade Seceret Document | Trade secret Justification |
|---|---|---|---|---|

## - Notes

| User Name | Date | Note |
|---|---|---|

# Emission Units Without Detailed Emissions

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| Emission Unit | Why Excluded | Company Equipment ID |
|---|---|---|
| B002 | Exemption Status = Permit Exempt | Boiler 1 |
| B004 | Did Not Operate | HV 1 HV 2 HV 3 & HV 4 |
| B051 | Exemption Status = De minimis | NG-Fired Air Makeup Unit #1 |
| B052 | Exemption Status = De minimis | NG-Fired Air Makeup Unit #2 |
| B053 | Exemption Status = De minimis | NG-Fired Air Makeup Unit #3 |
| B054 | Exemption Status = De minimis | NG-Fired Air Makeup Unit #4 |
| B055 | Exemption Status = De minimis | NG-Fired Air Makeup Unit #5 |
| B056 | Exemption Status = De minimis | NG-Fired Air Makeup Unit #6 |
| B057 | Exemption Status = De minimis | NG-Fired Air Makeup Unit #7 |
| F036 | Exemption Status = De minimis | Paved Roadways |
| K056 | Less Than Reporting Requirement | Can Line 7 |
| L050 | Exemption Status = De minimis | Automatic Parts Washer Tank |
| L060 | Exemption Status = Permit Exempt | Parts Washer - Tool room model 1602R |
| L061 | Exemption Status = Permit Exempt | Parts Washer - Machine shop model 1602R |
| L062 | Exemption Status = Permit Exempt | Parts Washer - Maintenance shop Model K54097 |
| L063 | Exemption Status = Permit Exempt | Parts Washer - Press Aerosol Tops Model 1602 |
| L064 | Exemption Status = Permit Exempt | Parts Washer - Press Aerosol Bottoms Model 64097 |
| L065 | Exemption Status = Permit Exempt | Parts Washer - Assembly department Model 1602R |
| L066 | Exemption Status = Permit Exempt | Parts Washer - Litho Maintenance Shop Model K54097 |
| L067 | Exemption Status = Permit Exempt | Parts Washer - Litho Line #1 |
| L068 | Exemption Status = Permit Exempt | Parts Washer - Litho Line #2 |
| L069 | Exemption Status = Permit Exempt | Parts Washer - Litho Line #3 |
| P041 | Exemption Status = De minimis | Electric Resistance Welding Emissions on Side Seam |
| P044 | Exemption Status = Permit Exempt | Wastewater Treatment Plant |

**Report Pollutant Summary: Total Emissions (Tons)**

| Unit | SCC Id | PM-CON | SO2 | NOX | OC | 7439921 | PM-FIL | PM10-FIL | PM25-FIL | VOC | NH3 | CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **K007** | **4-02-008-01** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **K007** | **4-02-017-27** | 0.02 | 0. | 0.15 | 0.04 | 0. | 0.02 | 0. | 0. | 0.03 | 0. | 0.13 |
| **K007** | **4-02-017-05** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| **K008** | **4-02-017-27** | 0.01 | 0. | 0.1 | 0.03 | 0. | 0.01 | 0. | 0. | 0.02 | 0. | 0.08 |
| **K008** | **4-02-008-01** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| **K008** | **4-02-017-05** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| **K028** | **4-02-017-25** | 0. | 0. | 0. | 2.62 | 0. | 0. | 0. | 0. | 2.62 | 0. | 0. |
| **K029** | **4-02-017-25** | 0. | 0. | 0. | 0.42 | 0. | 0. | 0. | 0. | 0.42 | 0. | 0. |
| **K030** | **4-02-017-25** | 0. | 0. | 0. | 0.74 | 0. | 0. | 0. | 0. | 0.74 | 0. | 0. |
| **K031** | **4-02-017-25** | 0. | 0. | 0. | 0.39 | 0. | 0. | 0. | 0. | 0.39 | 0. | 0. |
| **K033** | **4-02-017-25** | 0. | 0. | 0. | 0.9 | 0. | 0. | 0. | 0. | 0.9 | 0. | 0. |
| **K041** | **4-02-008-01** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| **K041** | **4-02-017-05** | 0. | 0. | 0. | 0.71 | 0. | 0. | 0. | 0. | 0.71 | 0. | 0. |
| **K041** | **4-02-017-24** | 0.04 | 0. | 0.53 | 0.75 | 0. | 0.04 | 0. | 0. | 0.72 | 0. | 0.44 |
| **K044** | **4-02-017-05** | 0. | 0. | 0. | 0.71 | 0. | 0. | 0. | 0. | 0.71 | 0. | 0. |
| **K044** | **4-02-008-01** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| **K044** | **4-02-017-24** | 0. | 0. | 0.03 | 0.23 | 0. | 0. | 0. | 0. | 0.23 | 0. | 0.2 |
| **K046** | **4-02-008-01** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| **K046** | **4-02-017-05** | 0. | 0. | 0. | 0.71 | 0. | 0. | 0. | 0. | 0.71 | 0. | 0. |
| **K046** | **4-02-017-24** | 0.06 | 0. | 0.79 | 1.58 | 0. | 0.06 | 0. | 0. | 1.53 | 0. | 0.66 |
| **K049** | **4-02-017-05** | 0. | 0. | 0. | 0.26 | 0. | 0. | 0. | 0. | 0.26 | 0. | 0. |
| **K049** | **4-02-017-27** | 0. | 0. | 0. | 0.06 | 0. | 0. | 0. | 0. | 0.06 | 0. | 0. |
| **K050** | **4-02-008-01** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| **K050** | **4-02-017-05** | 0. | 0. | 0. | 0.71 | 0. | 0. | 0. | 0. | 0.71 | 0. | 0. |
| **K050** | **4-02-017-24** | 0.08 | 0. | 1 | 2.7 | 0. | 0.08 | 0. | 0. | 2.65 | 0. | 0.84 |
| **K051** | **4-02-008-01** | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

**Report Pollutant Summary (continued)**

| Unit | SCC Id | PM-CON | SO2 | NOX | OC | 7439921 | PM-FIL | PM10-FIL | PM25-FIL | VOC | NH3 | CO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **K051** | **4-02-017-05** | 0. | 0. | 0. | 0.71 | 0. | 0. | 0. | 0. | 0.71 | 0. | 0. |
| **K051** | **4-02-017-24** | 0.05 | 0. | 0.68 | 1.86 | 0. | 0.05 | 0. | 0. | 1.83 | 0. | 0.57 |
| **K052** | **4-02-017-05** | 0. | 0. | 0. | 0.24 | 0. | 0. | 0. | 0. | 0.24 | 0. | 0. |
| | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **K052** | **4-02-017-27** | 0. | 0. | 0. | 0.08 | 0. | 0. | 0. | 0. | 0.08 | 0. | 0. |
| **K054** | **4-02-017-25** | 0. | 0. | 0. | 1.28 | 0. | 0. | 0. | 0. | 1.28 | 0. | 0. |
| **K057** | **4-02-017-27** | 0. | 0. | 0. | 0.09 | 0. | 0. | 0. | 0. | 0.09 | 0. | 0. |
| **K058** | **4-02-017-27** | 0. | 0. | 0. | 0.03 | 0. | 0. | 0. | 0. | 0.03 | 0. | 0. |
| **K058** | **4-02-017-05** | 0. | 0. | 0. | 0.12 | 0. | 0. | 0. | 0. | 0.12 | 0. | 0. |
| **Total** | | 0.26 | 0. | 3.28 | 17.97 | 0. | 0.26 | 0. | 0. | 17.79 | 0. | 2.92 |

# Emission Unit Summary: K007

Oct 7 2011, 11:15:27

Emissions Unit ID: K007

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0.02 | 0.02 | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0.15 | 0.15 | TONs | |
| Organic Compounds | OC | X | 0. | 0.04 | 0.04 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0.02 | 0.02 | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0. | 0.03 | 0.03 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0.13 | 0.13 | TONs | |
| Total of Chargable Pollutants | | | | | 0.21 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K007-2

Source Classification Code (SCC): 4-02-008-01

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 36

Spring (March-May)%: 27

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 12

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Coating | Processed | 4.01 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

- **Process & Emissions Detail**

Name: K007-6-TEMP

Source Classification Code (SCC): 4-02-017-27

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 36

Spring (March-May)%: 27

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 12

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 2.12 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0.02 | 0.02 | TONs | Actual Consumption in 2010: 3.10 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>3.10 x 7.6 = 23.56 lbs<br>23.56 / 2000 = 0.01 tons |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0.15 | 0.15 | TONs | Actual Consumption in 2010: 3.10 MMft3/yr<br>AP-42 Emission Factor: 100<br>Calculations:<br>3.10 x 100 = 310 lbs<br>310 / 2000 = 0.15 tons |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.04 | 0.04 | TONs | Actual Consumption in 2010: 3.10 MMft3/yr<br>AP-42 Emission Factor: 11<br>Calculations:<br>3.10 x 11 = 34.1 lbs<br>34.1 / 2000 = 0.02 tons<br><br>Coatings employed in 2010: 2<br>Number of Gallons of Coating 1: 1<br>Number of Gallons of Coating 2: 962<br>VOC Content of Coating 1: 6.2 lbs/gal<br>VOC Content of Coating 2: 4.4 lbs/gal<br>Destruction Efficiency of Control: 99.0%<br>Calculations:<br>(1 x 6.2) + (962 x 4.4) = 4239 lbs<br>4239 x (1 - 0.99) = 42.39 lbs<br>42.39 / 2000 = 0.02 tons<br><br>0.02 tons + 0.02 tons = 0.04 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0.02 | 0.02 | TONs | Actual Consumption in 2010: 3.10 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>3.10 x 7.6 = 23.56 lbs<br>23.56 / 2000 = 0.01 tons |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0.03 | 0.03 | TONs | Actual Consumption in 2010: 3.10 MMft3/yr<br>AP-42 Emission Factor: 5.5<br>Calculations:<br>3.10 x 5.5 = 17.0 lbs<br>17.0 / 2000 = 0.01 tons<br><br>Coatings employed in 2010: 2 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Number of Gallons of Coating 1: 1<br>Number of Gallons of Coating 2: 962<br>VOC Content of Coating 1: 6.2 lbs/gal<br>VOC Content of Coating 2: 4.4 lbs/gal<br>Destruction Efficiency of Control: 99.0%<br>Calculations:<br>(1 x 6.2) + (962 x 4.4) = 4239 lbs<br>4239 x (1 - 0.99) = 42.39 lbs<br>42.39 / 2000 = 0.02 tons<br><br>0.01 tons + 0.02 = 0.03 tons |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0.13 | 0.13 | TONs | Actual Consumption in 2010: 3.10 MMft3/yr<br>AP-42 Emission Factor: 84<br>Calculations:<br>3.10 x 84 = 260.4 lbs<br>260.4 / 2000 = 0.13 tons |
| Total of Chargable Pollutants | | | | | | | | 0.21 | TONS | |

- **Process & Emissions Detail**

Name: K007-1-TEMP

Source Classification Code (SCC): 4-02-017-05

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 36

Spring (March-May)%: 27

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 12

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 2.12 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0. | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

# Emission Unit Summary: K008

Oct 7 2011, 11:15:27

Emissions Unit ID: K008

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0.01 | 0.01 | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0.1 | 0.1 | TONs | |
| Organic Compounds | OC | X | 0. | 0.03 | 0.03 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0.01 | 0.01 | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0. | 0.02 | 0.02 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0.08 | 0.08 | TONs | |
| Total of Chargable Pollutants | | | | | 0.14 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K008-10-TEMP

Source Classification Code (SCC): 4-02-017-27

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 21

Spring (March-May)%: 27

Summer (June-Aug)%: 36

Fall (Sept-Nov)%: 16

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 2.41 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0.01 | 0.01 | TONs | Actual Consumption in 2010: 1.95 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>1.95 x 7.6 = 14.82<br>14.82 / 2000 = 0.01 |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0.1 | 0.1 | TONs | Actual Consumption in 2010: 1.95 MMft3/yr<br>AP-42 Emission Factor: 100<br>Calculations:<br>1.95 x 100 = 195<br>195 / 2000 = 0.1 |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.03 | 0.03 | TONs | Actual Consumption in 2010: 1.95 MMft3/yr<br>AP-42 Emission Factor: 11<br>Calculations:<br>1.95 x 11 = 21.45<br>21.45 / 2000 = 0.01 tons<br><br>Coatings employed in 2010: 2<br>Number of Gallons of Coating 1: 1<br>Number of Gallons of Coating 2: 1096<br>VOC Content of Coating 1: 6.2 lbs/gal<br>VOC Content of Coating 2: 4.4 lbs/gal<br>Destruction Efficiency of Control: 99.0%<br>Calculations:<br>(1 x 6.2) + (1096 x 4.4) = 4828.6 lbs<br>4828.6 x (1 - 0.99) = 48.28 lbs<br>48.28 / 2000 = 0.02 tons<br><br>0.01 tons + 0.02 tons = 0.03 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | X | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | | emissions: MAT. BALANCE | | | 0 | 0.01 | 0.01 | TONs | Actual Consumption in 2010: 1.95 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>1.95 x 7.6 = 14.82<br>14.82 / 2000 = 0.01 |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0.02 | 0.02 | TONs | Actual Consumption in 2010: 1.95 MMft3/yr<br>AP-42 Emission Factor: 5.5<br>Calculations:<br>1.95 x 5.5 = 10.72<br>10.72 / 2000 = 0.00 tons<br><br>Coatings employed in 2010: 2<br>Number of Gallons of Coating 1: 1<br>Number of Gallons of Coating 2: 1096<br>VOC Content of Coating 1: 6.2 lbs/gal<br>VOC Content of Coating 2: 4.4 lbs/gal<br>Destruction Efficiency of Control: 99.0%<br>Calculations:<br>(1 x 6.2) + (1096 x 4.4) = 4828.6 lbs<br>4828.6 x (1 - 0.99) = 48.28 lbs<br>48.28 / 2000 = 0.02 tons<br><br>0.00 tons + 0.02 tons = 0.02 tons |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0.08 | 0.08 | TONs | Actual Consumption in 2010: 1.95 MMft3/yr<br>AP-42 Emission Factor: 84<br>Calculations:<br>1.95 x 84 = 163.8<br>163.8 / 2000 = 0.08 |
| Total of Chargable Pollutants | | | | | | | | 0.14 | TONS | |

- **Process & Emissions Detail**

Name: K008-2

Source Classification Code (SCC): 4-02-008-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 21

Spring (March-May)%: 27

Summer (June-Aug)%: 36

Fall (Sept-Nov)%: 16

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Coating | Processed | 4.55 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - | PM-FIL | X | emissions: | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Primary PM, Filterable Portion Only | | | MAT. BALANCE | | | | | | | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

- **Process & Emissions Detail**

Name: K008-3-TEMP

Source Classification Code (SCC): 4-02-017-05

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 21

Spring (March-May)%: 27

Summer (June-Aug)%: 36

Fall (Sept-Nov)%: 16

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 4.55 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon | CO | | emissions: | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Monoxide | | | MAT. BALANCE | | | | | | | |
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

# Emission Unit Summary: K028

Oct 7 2011, 11:15:27

Emissions Unit ID: K028

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | 0 | 2.62 | 2.62 | TONs | |
| Pb - Lead | 7439921 | X | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0 | 2.62 | 2.62 | TONs | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 2.62 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K028-25-TEMP

Source Classification Code (SCC): 4-02-017-25

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 25

Spring (March-May)%: 28

Summer (June-Aug)%: 27

Fall (Sept-Nov)%: 20

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 3.50 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 2.62 | 2.62 | TONs | Coatings employed in 2010: 1<br>Number of Gallons of Coating in 2010: 971<br>VOC Content of Coating: 5.4<br>Calculations:<br>971 x 5.4 = 5243.4 lbs<br>5243.4 / 2000 = 2.62 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile | VOC | | emissions: | | | 0 | 2.62 | 2.62 | TONs | See OC Explanation/Justification for calculation above. |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Organic Compounds | | | MAT. BALANCE | | | | | | | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 2.62 | TONS | |

# Emission Unit Summary: K029

Oct 7 2011, 11:15:27

Emissions Unit ID: K029

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | 0 | 0.42 | 0.42 | TONs | |
| Pb - Lead | 7439921 | X | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0 | 0.42 | 0.42 | TONs | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 0.42 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K029-28-TEMP

Source Classification Code (SCC): 4-02-017-25

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 22

Spring (March-May)%: 24

Summer (June-Aug)%: 29

Fall (Sept-Nov)%: 25

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 0.56 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.42 | 0.42 | TONs | Coatings employed in 2010: 1<br>Number of Gallons of Coating in 2010: 156<br>VOC Content of Coating: 5.4 lbs/gal<br>Calculations:<br>156 x 5.4) = 842.4 lbs<br>842 / 2000 = 0.42 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile | VOC | | emissions: | | | 0 | 0.42 | 0.42 | TONs | See OC Explanation/Justification for calculation above |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Organic Compounds | | | MAT. BALANCE | | | | | | | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.42 | TONS | |

# Emission Unit Summary: K030

Oct 7 2011, 11:15:27

Emissions Unit ID: K030

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | 0 | 0.74 | 0.74 | TONs | |
| Pb - Lead | 7439921 | X | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0 | 0.74 | 0.74 | TONs | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 0.74 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K030-31-TEMP

Source Classification Code (SCC): 4-02-017-25

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 23

Spring (March-May)%: 27

Summer (June-Aug)%: 28

Fall (Sept-Nov)%: 22

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 0.98 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.74 | 0.74 | TONs | Coatings employed in 2010: 1<br>Number of Gallons of Coating in 2010: 273<br>VOC Content of Coating: 5.4 lbs/gal<br>Calculations:<br>273 x 5.4 = 1474.2 lbs<br>1474.2 / 2000 = 0.74 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile | VOC | | emissions: | | | 0 | 0.74 | 0.74 | TONs | See OC Explanation/Justification for calculation above. |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Organic Compounds | | | MAT. BALANCE | | | | | | | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.74 | TONS | |

# Emission Unit Summary: K031

Oct 7 2011, 11:15:27

Emissions Unit ID: K031

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | 0 | 0.39 | 0.39 | TONs | |
| Pb - Lead | 7439921 | X | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0 | 0.39 | 0.39 | TONs | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 0.39 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K031-34-TEMP

Source Classification Code (SCC): 4-02-017-25

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 23

Spring (March-May)%: 27

Summer (June-Aug)%: 28

Fall (Sept-Nov)%: 22

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 0.53 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.39 | 0.39 | TONs | Coatings employed in 2010: 1<br>Number of Gallons of Coating in 2010: 146<br>VOC Content of Coating: 5.4 lbs/gal<br>Calculations:<br>146 x 5.4 = 788.4 lbs<br>788.4 / 2000 = 0.39 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile | VOC | | emissions: | | | 0 | 0.39 | 0.39 | TONs | See OC Explanation/Justification for calculation above. |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Organic Compounds | | | MAT. BALANCE | | | | | | | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.39 | TONS | |

# Emission Unit Summary: K033

Oct 7 2011, 11:15:27

Emissions Unit ID: K033

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | 0 | 0.90 | 0.9 | TONs | |
| Pb - Lead | 7439921 | X | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0 | 0.90 | 0.9 | TONs | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 0.9 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K033-37-TEMP

Source Classification Code (SCC): 4-02-017-25

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 19

Spring (March-May)%: 23

Summer (June-Aug)%: 29

Fall (Sept-Nov)%: 29

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 1.21 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.90 | 0.9 | TONs | Coatings employed in 2010: 1<br>Number of Gallons of Coating in 2010: 335<br>VOC Content of Coating: 5.4 lbs/gal<br>Calculations:<br>335 x 5.4 = 1809 lbs/gal<br>1809 / 2000 = 0.90 |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile | VOC | | emissions: | | | 0 | 0.90 | 0.9 | TONs | See OC Explanation/Justification for calculation above. |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Organic Compounds | | | MAT. BALANCE | | | | | | | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.9 | TONS | |

# Emission Unit Summary: K041

Oct 7 2011, 11:15:27

Emissions Unit ID: K041

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0.04 | 0.04 | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0.53 | 0.53 | TONs | |
| Organic Compounds | OC | X | 0.71 | 0.75 | 1.46 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0.04 | 0.04 | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.71 | 0.72 | 1.43 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0.44 | 0.44 | TONs | |
| Total of Chargable Pollutants | | | | | 2.03 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K041-41

Source Classification Code (SCC): 4-02-008-01

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 33

Spring (March-May)%: 25

Summer (June-Aug)%: 33

Fall (Sept-Nov)%: 9

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Coating | Processed | 110.6 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

- **Process & Emissions Detail**

Name: K041-43

Source Classification Code (SCC): 4-02-017-05

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 33

Spring (March-May)%: 25

Summer (June-Aug)%: 33

Fall (Sept-Nov)%: 9

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 75.57 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | Cleanup Solvents employed in 2010: 3<br>Number of Gallons of Solvent 1: 220.8<br>Number of Gallons of Solvent 2: 2051.2<br>Number of Gallons of Solvent 3: 1447.4<br>VOC Content of Solvent 1: 6.67 lbs/gal<br>VOC Content of Solvent 2: 7.51 lbs/gal<br>VOC Content of Solvent 3: 8.07 lbs/gal<br>Assumed Emitted: 5%<br>Calculations:<br>(220.8 x 6.67) + (2051.2 x 7.51) + (1447.4 x 8.07) = 28557.77 lbs<br>28557.766 x 0.05 = 1427.89 lbs<br>1427.89 / 2000 = 0.71 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.71 | TONS | |

## - Process & Emissions Detail

Name: K041-45-TEMP

Source Classification Code (SCC): 4-02-017-24

## - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 33

Spring (March-May)%: 25

Summer (June-Aug)%: 33

Fall (Sept-Nov)%: 9

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 75.57 | TONs |

## - Process Emissions

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0.04 | 0.04 | TONs | Actual Consumption in 2010: 10.68 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>10.68 x 7.6 = 81.17 lbs<br>81.17 / 2000 = 0.04 tons |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0.53 | 0.53 | TONs | Actual Consumption in 2010: 10.68 MMft3/yr<br>AP-42 Emission Factor: 100<br>Calculations:<br>10.68 x 100 = 1068 lbs<br>1068 / 2000 = 0.53 tons |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.75 | 0.75 | TONs | Actual Consumption in 2010: 10.68 MMft3/yr<br>AP-42 Emission Factor: 11<br>Calculations:<br>10.68 x 11 = 117.48 lbs<br>117.48 / 2000 = 0.06 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Coatings employed in 2010: 14<br>Number of Gallons of Coatings in 2010: 11257<br>VOC Content of Coatings: varies between 2.7 to 6.2 lbs/gal<br>Destruction Efficiency of Control: 99.2%<br>Permit allows each month worst-case VOC content of coatings to serve as the VOC for total;<br>monthly VOC emissions taken from recordkeeping<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.992) / 2000 = 0.69 tons<br><br>0.06 tons + 0.69 tons = 0.75 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0.04 | 0.04 | TONs | Actual Consumption in 2010: 10.68 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>10.68 x 7.6 = 81.17 lbs<br>81.17 / 2000 = 0.04 tons |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0.72 | 0.72 | TONs | Actual Consumption in 2010: 10.68 MMft3/yr<br>AP-42 Emission Factor: 5.5<br>Calculations:<br>10.68 x 5.5 = 58.74 lbs<br>58.74 / 2000 = 0.03 tons<br><br>Coatings employed in 2010: 14<br>Number of Gallons of Coatings in 2010: 11257<br>VOC Content of Coatings: varies between 2.7 to 6.2 lbs/gal<br>Destruction Efficiency of Control: 99.2%<br>Permit allows each month worst-case VOC content of coatings to serve as the VOC for total;<br>monthly VOC emissions taken from recordkeeping<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.992) / 2000 = 0.69 tons<br><br>0.03 tons + 0.69 tons = 0.72 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0.44 | 0.44 | TONs | Actual Consumption in 2010: 10.68 MMft3/yr<br>AP-42 Emission Factor: 84<br>Calculations:<br>10.68 x 84 = 897.12 lbs<br>897.12 / 2000 = 0.44 tons |
| Total of Chargable Pollutants | | | | | | | | 1.32 | TONS | |

# Emission Unit Summary: K044

Oct 7 2011, 11:15:27

Emissions Unit ID: K044

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0. | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0.03 | 0.03 | TONs | |
| Organic Compounds | OC | X | 0.71 | 0.23 | 0.94 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0. | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.71 | 0.23 | 0.94 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0.2 | 0.2 | TONs | |
| Total of Chargable Pollutants | | | | | 0.97 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K044-53

Source Classification Code (SCC): 4-02-017-05

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 79

Spring (March-May)%: 8

Summer (June-Aug)%: 1

Fall (Sept-Nov)%: 12

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 2.04 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | Cleanup Solvents employed in 2010: 3<br>Number of Gallons of Solvent 1: 220.8<br>Number of Gallons of Solvent 2: 2051.2<br>Number of Gallons of Solvent 3: 1447.4<br>VOC Content of Solvent 1: 6.67 lbs/gal<br>VOC Content of Solvent 2: 7.51 lbs/gal<br>VOC Content of Solvent 3: 8.07 lbs/gal<br>Assumed Emitted: 5%<br>Calculations:<br>(220.8 x 6.67) + (2051.2 x 7.51) + (1447.4 x 8.07) = 28557.77 lbs<br>28557.766 x 0.05 = 1427.89 lbs<br>1427.89 / 2000 = 0.71 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Portion Only | | | | | | | | | | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.71 | TONS | |

- **Process & Emissions Detail**

Name: K044-54

Source Classification Code (SCC): 4-02-008-01

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 79

Spring (March-May)%: 8

Summer (June-Aug)%: 1

Fall (Sept-Nov)%: 12

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Coating | Processed | 2.59 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

## - Process & Emissions Detail

Name: K044-55-TEMP

Source Classification Code (SCC): 4-02-017-24

## - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 79

Spring (March-May)%: 8

Summer (June-Aug)%: 1

Fall (Sept-Nov)%: 12

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 2.04 | TONs |

## - Process Emissions

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0.03 | 0.03 | TONs | Actual Consumption in 2010: 0.51 MMft3/yr<br>AP-42 Emission Factor: 100<br>Calculations:<br>0.51 x 100 = 51 lbs<br>51 / 2000 = 0.03 tons |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.23 | 0.23 | TONs | Actual Consumption in 2010: 0.51 MMft3/yr<br>AP-42 Emission Factor: 11<br>Calculations:<br>0.51 x 11 = 5.61 lbs<br>5.61 / 2000 = 0.00 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Coatings employed in 2010: 3<br>Number of Gallons of Coatings in 2010: 546<br>VOC Content of Coatings: varies between 4.2 to 8.08 lbs/gal<br>Destruction Efficiency of Control: 99.2%<br>Permit allows each month worst-case VOC content of coatings to serve as the VOC for total;<br>monthly VOC emissions taken from recordkeeping<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.992) / 2000 = 0.23 tons<br><br>0.00 tons + 0.23 tons = 0.23 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0.23 | 0.23 | TONs | Coatings employed in 2010: 3<br>Number of Gallons of Coatings in 2010: 546<br>VOC Content of Coatings: varies between 4.2 to 8.08 lbs/gal<br>Destruction Efficiency of Control: 99.2%<br>Permit allows each month worst-case VOC content of coatings to serve as the VOC for total;<br>monthly VOC emissions taken from recordkeeping<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.992) / 2000 = 0.23 tons |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0.20 | 0.2 | TONs | Actual Consumption in 2010: 0.51 MMft3/yr<br>AP-42 Emission Factor: 84<br>Calculations:<br>0.51 x 84 = 42.84 lbs<br>42.84 / 2000 = 0.02 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Total of Chargable Pollutants | | | | | | | | 0.26 | TONS | |

# Emission Unit Summary: K046

Oct 7 2011, 11:15:27

Emissions Unit ID: K046

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0.06 | 0.06 | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0.79 | 0.79 | TONs | |
| Organic Compounds | OC | X | 0.71 | 1.58 | 2.29 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0.06 | 0.06 | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.71 | 1.53 | 2.24 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0.66 | 0.66 | TONs | |
| Total of Chargable Pollutants | | | | | 3.14 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K046-46

Source Classification Code (SCC): 4-02-008-01

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 27

Spring (March-May)%: 27

Summer (June-Aug)%: 29

Fall (Sept-Nov)%: 17

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Coating | Processed | 175.5 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

- **Process & Emissions Detail**

Name: K046-59

Source Classification Code (SCC): 4-02-017-05

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 27

Spring (March-May)%: 27

Summer (June-Aug)%: 29

Fall (Sept-Nov)%: 17

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 148.02 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | Cleanup Solvents employed in 2010: 3<br>Number of Gallons of Solvent 1: 220.8<br>Number of Gallons of Solvent 2: 2051.2<br>Number of Gallons of Solvent 3: 1447.4<br>VOC Content of Solvent 1: 6.67 lbs/gal<br>VOC Content of Solvent 2: 7.51 lbs/gal<br>VOC Content of Solvent 3: 8.07 lbs/gal<br>Assumed Emitted: 5%<br>Calculations:<br>(220.8 x 6.67) + (2051.2 x 7.51) + (1447.4 x 8.07) = 28557.77 lbs<br>28557.766 x 0.05 = 1427.89 lbs<br>1427.89 / 2000 = 0.71 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.71 | TONS | |

## - Process & Emissions Detail

Name: K046-61-TEMP

Source Classification Code (SCC): 4-02-017-24

## - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 27

Spring (March-May)%: 27

Summer (June-Aug)%: 29

Fall (Sept-Nov)%: 17

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 148.02 | TONs |

## - Process Emissions

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0.06 | 0.06 | TONs | Actual Consumption in 2010: 15.76 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>15.76 x 7.6 = 119.78 lbs<br>119.78 / 2000 = 0.06 tons |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0.79 | 0.79 | TONs | Actual Consumption in 2010: 15.76 MMft3/yr<br>AP-42 Emission Factor: 100<br>Calculations:<br>15.76 x 100 = 1576 lbs<br>1576 / 2000 = 0.79 tons |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 1.58 | 1.58 | TONs | Actual Consumption in 2010: 15.76 MMft3/yr<br>AP-42 Emission Factor: 11<br>Calculations:<br>15.76 x 11 = 173.36 lbs<br>173.36 / 2000 = 0.09 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Coatings employed in 2010: 20<br>Number of Gallons of Coatings in 2010: 41391<br>VOC Content of Coatings: varies between 0.05 to 7.14 lbs/gal<br><br>Destruction Efficiency of Control: 99.2%<br>Permit allows each month worst-case VOC content of coatings to serve as the VOC for total;<br>monthly VOC emissions taken from recordkeeping<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.992) / 2000 = 1.49 tons<br><br>0.09 tons + 1.49 tons = 1.58 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0.06 | 0.06 | TONs | Actual Consumption in 2010: 15.76 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>15.76 x 7.6 = 119.78 lbs<br>119.78 / 2000 = 0.06 tons |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 1.53 | 1.53 | TONs | Actual Consumption in 2010: 15.76 MMft3/yr<br>AP-42 Emission Factor: 5.5<br>Calculations:<br>15.76 x 5.5 = 86.68 lbs<br>86.68 / 2000 = 0.04 tons<br><br>Coatings employed in 2010: 20<br>Number of Gallons of Coatings in 2010: 41391<br>VOC Content of Coatings: varies between 0.05 to 7.14 lbs/gal<br><br>Destruction Efficiency of Control: 99.2%<br>Permit allows each month worst-case VOC content of coatings to serve as the VOC for total;<br>monthly VOC emissions taken from recordkeeping<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.992) / 2000 = 1.49 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 0.04 tons + 1.49 tons = 1.53 tons |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0.66 | 0.66 | TONs | Actual Consumption in 2010: 15.76 MMft3/yr<br>AP-42 Emission Factor: 84<br>Calculations:<br>15.76 x 84 = 1323.84 lbs<br>1323.84 / 2000 = 0.66 tons |
| Total of Chargable Pollutants | | | | | | | | 2.43 | TONS | |

# Emission Unit Summary: K049

Oct 7 2011, 11:15:27

Emissions Unit ID: K049

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0. | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0. | 0. | TONs | |
| Organic Compounds | OC | X | 0.32 | 0. | 0.32 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0. | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.32 | 0. | 0.32 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0. | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 0.32 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K049-64

Source Classification Code (SCC): 4-02-017-05

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 28

Spring (March-May)%: 24

Summer (June-Aug)%: 27

Fall (Sept-Nov)%: 21

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 1.80 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.26 | 0 | 0.26 | TONs | Cleanup Solvents employed in 2010: 1<br>Number of Gallons of Cleanup Solvent in 2010: 138.53<br>VOC Content of Cleanup Solvent: 7.54<br>Cleanup Solvent Material Collected: 0 gals<br>Release Factor: 0.5<br>Calculations:<br>(138.53 x 7.54) - (0 x 7.54) = 1044.51 lbs<br>1044.51 x 0.5 = 522.26 lbs<br>522.26 / 2000 = 0.26 |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, | PM25-FIL | | emissions: MAT. | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Filterable Portion Only | | | BALANCE | | | | | | | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.26 | 0 | 0.26 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.26 | TONS | |

- **Process & Emissions Detail**

Name: K049-66-TEMP

Source Classification Code (SCC): 4-02-017-27

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 28

Spring (March-May)%: 24

Summer (June-Aug)%: 27

Fall (Sept-Nov)%: 21

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 1.80 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (All Less than 1 Micron) | | | | | | | | | | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.06 | 0 | 0.06 | TONs | Coatings employed in 2010: 3<br>Number of Gallons of Coating 1: 8<br>Number of Gallons of Coating 2: 1947<br>Number of Gallons of Coating 3: 440<br>VOC Content of Coating 1: 2.70 lbs/gal<br>VOC Content of Coating 2: 0.05 lbs/gal<br>VOC Content of Coating 3: 0.00 lbs/gal<br>Calculations:<br>(8 x 2.70) + (1947 x 0.05) + (440 x 0.00) = 118.95 lbs<br>118.95 / 2000 = 0.06 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.06 | 0 | 0.06 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable | | | | | | | | 0.06 | TONS | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Pollutants | | | | | | | | | | |

# Emission Unit Summary: K050

Oct 7 2011, 11:15:27

Emissions Unit ID: K050

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0.08 | 0.08 | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 1 | 1 | TONs | |
| Organic Compounds | OC | X | 0.71 | 2.7 | 3.41 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0.08 | 0.08 | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.71 | 2.65 | 3.36 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0.84 | 0.84 | TONs | |
| Total of Chargable Pollutants | | | | | 4.49 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K050-50

Source Classification Code (SCC): 4-02-008-01

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 21

Spring (March-May)%: 31

Summer (June-Aug)%: 30

Fall (Sept-Nov)%: 18

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Coating | Processed | 133.03 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

- **Process & Emissions Detail**

Name: K050-69

Source Classification Code (SCC): 4-02-017-05

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 21

Spring (March-May)%: 31

Summer (June-Aug)%: 30

Fall (Sept-Nov)%: 18

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 79.62 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | Cleanup Solvents employed in 2010: 3<br>Number of Gallons of Solvent 1: 220.8<br>Number of Gallons of Solvent 2: 2051.2<br>Number of Gallons of Solvent 3: 1447.4<br>VOC Content of Solvent 1: 6.67 lbs/gal<br>VOC Content of Solvent 2: 7.51 lbs/gal<br>VOC Content of Solvent 3: 8.07 lbs/gal<br>Assumed Emitted: 5%<br>Calculations:<br>(220.8 x 6.67) + (2051.2 x 7.51) + (1447.4 x 8.07) = 28557.77 lbs<br>28557.766 x 0.05 = 1427.89 lbs<br>1427.89 / 2000 = 0.71 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.71 | TONS | |

## - Process & Emissions Detail

Name: K050-70-TEMP

Source Classification Code (SCC): 4-02-017-24

## - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 21

Spring (March-May)%: 31

Summer (June-Aug)%: 30

Fall (Sept-Nov)%: 18

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 79.62 | TONs |

## - Process Emissions

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0.08 | 0.08 | TONs | Actual Consumption in 2010: 20.10 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>20.10 x 7.6 = 152.76 lbs<br>152.76 / 2000 = 0.08 tons |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 1.0 | 1 | TONs | Actual Consumption in 2010: 20.10 MMft3/yr<br>AP-42 Emission Factor: 100<br>Calculations:<br>20.10 x 100 = 2010 lbs<br>2010 / 2000 = 1.00 tons |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 2.70 | 2.7 | TONs | Actual Consumption in 2010: 20.10 MMft3/yr<br>AP-42 Emission Factor: 11<br>Calculations:<br>20.10 x 11 = 221.10 lbs<br>221.10 / 2000 = 0.11 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Coatings employed in 2010: 16<br>Number of Gallons of Coatings in 2010: 11257<br>VOC Content of Coatings: varies between 0.05 to 7.14 lbs/gal<br><br>Destruction Efficiency of Control: 96.7%<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.967) / 2000 = 2.59 tons<br><br>0.11 tons + 2.59 tons = 2.7 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0.08 | 0.08 | TONs | Actual Consumption in 2010: 20.10 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>20.10 x 7.6 = 152.76 lbs<br>152.76 / 2000 = 0.08 tons |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 2.65 | 2.65 | TONs | Actual Consumption in 2010: 20.10 MMft3/yr<br>AP-42 Emission Factor: 5.5<br>Calculations:<br>20.10 x 5.5 = 110.55 lbs<br>110.55 / 2000 = 0.06 tons<br><br>Coatings employed in 2010: 16<br>Number of Gallons of Coatings in 2010: 11257<br>VOC Content of Coatings: varies between 0.05 to 7.14 lbs/gal<br><br>Destruction Efficiency of Control: 96.7%<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.967) / 2000 = 2.59 tons<br><br>0.06 tons + 2.59 tons = 2.65 tons |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0.84 | 0.84 | TONs | Actual Consumption in 2010: 20.10 MMft3/yr<br>AP-42 Emission Factor: 84<br>Calculations:<br>20.10 x 84 = 1688.4 lbs<br>1688.4 / 2000 = 0.84 tons |
| Total of Chargable Pollutants | | | | | | | | 3.78 | TONS | |

# Emission Unit Summary: K051

Oct 7 2011, 11:15:27

Emissions Unit ID: K051

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0.05 | 0.05 | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0.68 | 0.68 | TONs | |
| Organic Compounds | OC | X | 0.71 | 1.86 | 2.57 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0.05 | 0.05 | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.71 | 1.83 | 2.54 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0.57 | 0.57 | TONs | |
| Total of Chargable Pollutants | | | | | 3.3 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K051-70

Source Classification Code (SCC): 4-02-008-01

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 43

Spring (March-May)%: 26

Summer (June-Aug)%: 22

Fall (Sept-Nov)%: 9

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Coating | Processed | 112.13 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0. | TONS | |

- **Process & Emissions Detail**

Name: K051-72

Source Classification Code (SCC): 4-02-017-05

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 43

Spring (March-May)%: 26

Summer (June-Aug)%: 22

Fall (Sept-Nov)%: 9

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 51.69 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | Cleanup Solvents employed in 2010: 3<br>Number of Gallons of Solvent 1: 220.8<br>Number of Gallons of Solvent 2: 2051.2<br>Number of Gallons of Solvent 3: 1447.4<br>VOC Content of Solvent 1: 6.67 lbs/gal<br>VOC Content of Solvent 2: 7.51 lbs/gal<br>VOC Content of Solvent 3: 8.07 lbs/gal<br>Assumed Emitted: 5%<br>Calculations:<br>(220.8 x 6.67) + (2051.2 x 7.51) + (1447.4 x 8.07) = 28557.77 lbs<br>28557.766 x 0.05 = 1427.89 lbs<br>1427.89 / 2000 = 0.71 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.71 | 0 | 0.71 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.71 | TONS | |

## - Process & Emissions Detail

Name: K051-74-TEMP

Source Classification Code (SCC): 4-02-017-24

## - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 43

Spring (March-May)%: 26

Summer (June-Aug)%: 22

Fall (Sept-Nov)%: 9

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 51.69 | TONs |

## - Process Emissions

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0.05 | 0.05 | TONs | Actual Consumption in 2010: 13.60 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>13.60 x 7.6 = 103.36 lbs<br>103.36 / 2000 = 0.05 tons |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0.68 | 0.68 | TONs | Actual Consumption in 2010: 13.60 MMft3/yr<br>AP-42 Emission Factor: 100<br>Calculations:<br>13.60 x 100 = 1360 lbs<br>1360 / 2000 = 0.68 tons |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 1.86 | 1.86 | TONs | Actual Consumption in 2010: 13.60 MMft3/yr<br>AP-42 Emission Factor: 11<br>Calculations:<br>13.60 x 11 = 149.6 lbs<br>149.6 / 2000 = 0.07 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Coatings employed in 2010: 18<br>Number of Gallons of Coatings in 2010: 22658<br>VOC Content of Coatings: varies between 0.05 to 6.20 lbs/gal<br><br>Destruction Efficiency of Control: 96.5%<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.965) / 2000 = 1.79 tons<br><br>0.07 tons + 1.79 tons = 1.86 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0.05 | 0.05 | TONs | Actual Consumption in 2010: 13.60 MMft3/yr<br>AP-42 Emission Factor: 7.6<br>Calculations:<br>13.60 x 7.6 = 103.36 lbs<br>103.36 / 2000 = 0.05 tons |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 1.83 | 1.83 | TONs | Actual Consumption in 2010: 13.60 MMft3/yr<br>AP-42 Emission Factor: 5.5<br>Calculations:<br>13.60 x 5.5 = 74.8 lbs<br>74.8 / 2000 = 0.04 tons<br><br>Coatings employed in 2010: 18<br>Number of Gallons of Coatings in 2010: 22658<br>VOC Content of Coatings: varies between 0.05 to 6.20 lbs/gal<br><br>Destruction Efficiency of Control: 96.5%<br>Calculations:<br>(Sum of Jan. - Dec. Emissions) x (1 - 0.965) / 2000 = 1.79 tons<br><br>0.04 tons + 1.79 tons = 1.83 tons |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0.57 | 0.57 | TONs | Actual Consumption in 2010: 13.60 MMft3/yr<br>AP-42 Emission Factor: 84<br>Calculations:<br>13.60 x 84 = 1142.4 lbs<br>1142.4 / 2000 = 0.57 tons |
| Total of Chargable Pollutants | | | | | | | | 2.59 | TONS | |

# Emission Unit Summary: K052

Oct 7 2011, 11:15:27

Emissions Unit ID: K052

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0. | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0. | 0. | TONs | |
| Organic Compounds | OC | X | 0.32 | 0. | 0.32 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0. | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.32 | 0. | 0.32 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0. | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 0.32 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K052-75

Source Classification Code (SCC): 4-02-017-05

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 1.68 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.24 | 0 | 0.24 | TONs | Cleanup Solvents employed in 2010: 1<br>Number of Gallons of Cleanup Solvent in 2010: 127.65<br>VOC Content of Cleanup Solvent: 7.54<br>Cleanup Solvent Material Collected: 0 gals<br>Release Factor: 0.5<br>Calculations:<br>(127.65 x 7.54) - (0 x 7.54) = 962.48 lbs<br>962.48 x 0.5 = 481.24 lbs<br>481.24 / 2000 = 0.24 |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, | PM25-FIL | | emissions: MAT. | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Filterable Portion Only | | | BALANCE | | | | | | | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.24 | 0 | 0.24 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.24 | TONS | |

- **Process & Emissions Detail**

Name: K052-77-TEMP

Source Classification Code (SCC): 4-02-017-27

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 1.68 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (All Less than 1 Micron) | | | | | | | | | | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.08 | 0 | 0.08 | TONs | Coatings employed in 2010: 3<br>Number of Gallons of Coating 1: 12<br>Number of Gallons of Coating 2: 2425<br>Number of Gallons of Coating 3: 845<br>VOC Content of Coating 1: 2.70 lbs/gal<br>VOC Content of Coating 2: 0.05 lbs/gal<br>VOC Content of Coating 3: 0.00 lbs/gal<br>Calculations:<br>(12 x 2.70) + (2425 x 0.05) + (845 x 0.00) = 153.65 lbs<br>153.65 / 2000 = 0.08 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | See OC Explanation/Justification for calculation above. |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.08 | 0 | 0.08 | TONs | |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable | | | | | | | | 0.08 | TONS | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Pollutants | | | | | | | | | | |

# Emission Unit Summary: K054

Oct 7 2011, 11:15:27

Emissions Unit ID: K054

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | 0.10 | 1.18 | 1.28 | TONs | |
| Pb - Lead | 7439921 | X | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.10 | 1.18 | 1.28 | TONs | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 1.28 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K054-80-TEMP

Source Classification Code (SCC): 4-02-017-25

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 20

Spring (March-May)%: 26

Summer (June-Aug)%: 28

Fall (Sept-Nov)%: 26

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 1.57 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.10 | 1.18 | 1.28 | TONs | Coatings employed in 2010: 1<br>Number of Gallons of Coating in 2010: 436<br>VOC Content of Coating: 5.4<br>Calculations:<br>436 x 5.4 = 2354.4 lbs<br>2354.4 / 2000 = 1.18 tons<br><br>Clean-Up Solvents employed in 2010: 1<br>Number of Gallons of Clean-Up Solvent in 2010: 603.9<br>VOC Content of Solvent: 6.71<br>Assumed Emitted: 5%<br>Calculations:<br>603.9 x 6.71 = 4052.17 lbs<br>4052.17 x 0.05 = 202.61 lbs<br>202.61 / 2000 = 0.10 tons<br><br>1.18 tons + 0.10 tons = 1.28 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Portion Only | | | | | | | | | | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.10 | 1.18 | 1.28 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 1.28 | TONS | |

# Emission Unit Summary: K057

Oct 7 2011, 11:15:27

Emissions Unit ID: K057

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | 0.09 | 0 | 0.09 | TONs | |
| Pb - Lead | 7439921 | X | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.09 | 0 | 0.09 | TONs | |
| Ammonia | NH3 | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 0.09 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K057-83

Source Classification Code (SCC): 4-02-017-27

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 36

Spring (March-May)%: 31

Summer (June-Aug)%: 27

Fall (Sept-Nov)%: 6

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 0.66 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.09 | 0 | 0.09 | TONs | Coatings employed in 2010: 4<br>Number of Gallons of Coating 1: 1<br>Number of Gallons of Coating 2: 21<br>Number of Gallons of Coating 3: 1958<br>Number of Gallons of Coating 4: 95<br>VOC Content of Coating 1: 2.66 lbs/gal<br>VOC Content of Coating 2: 2.70 lbs/gal<br>VOC Content of Coating 3: 0.05 lbs/gal<br>VOC Content of Coating 4: 0.00 lbs/gal<br>Calculations:<br>(1 x 2.66) + (21 x 2.70) + (1958 x 0.05) + (95 x 0.00) = 157.26 lbs<br>157.26 / 2000 = 0.08 tons<br><br>Cleanup Solvents employed in 2010: 1<br>Number of Gallons of Cleanup Solvent in 2010: 70.56<br>VOC Content of Cleanup Solvent: 7.54<br>Cleanup Solvent Material Collected: 0 gals<br>Release Factor: 0.5<br>Calculations:<br>(70.56 x 7.54) - (0 x 7.54) = 532.02 lbs<br>532.02 x 0.5 = 26.60 lbs<br>26.60 / 2000 = 0.01 tons<br><br>0.08 tons + 0.01 tons = 0.09 tons |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.09 | 0 | 0.09 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.09 | TONS | |

# Emission Unit Summary: K058

Oct 7 2011, 11:15:27

Emissions Unit ID: K058

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant | Code | $ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | 0. | 0. | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | 0. | 0. | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | 0. | 0. | 0. | TONs | |
| Organic Compounds | OC | X | 0.12 | 0.03 | 0.15 | TONs | |
| Pb - Lead | 7439921 | X | 0. | 0. | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | 0. | 0. | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | 0. | 0. | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | 0. | 0. | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | 0.12 | 0.03 | 0.15 | TONs | |
| Ammonia | NH3 | | 0. | 0. | 0. | TONs | |
| CO - Carbon Monoxide | CO | | 0. | 0. | 0. | TONs | |
| Total of Chargable Pollutants | | | | | 0.15 | TONS | |

## - Processes

### - Process & Emissions Detail

Name: K058-84

Source Classification Code (SCC): 4-02-017-27

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 21

Spring (March-May)%: 31

Summer (June-Aug)%: 26

Fall (Sept-Nov)%: 22

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 8.78 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0 | 0.03 | 0.03 | TONs | Coatings employed in 2010: 5<br>Number of Gallons of Coating 1: 182<br>Number of Gallons of Coating 2: 241<br>Number of Gallons of Coating 3: 1918<br>Number of Gallons of Coating 4: 378<br>Number of Gallons of Coating 5: 369<br>VOC Content of Coating 1: 4.57 lbs/gal<br>VOC Content of Coating 2: 2.66 lbs/gal<br>VOC Content of Coating 3: 2.70 lbs/gal<br>VOC Content of Coating 4: 0.05 lbs/gal<br>VOC Content of Coating 5: 0.00 lbs/gal<br>Control Efficiency: 99.0%<br>Calculations:<br>(182 x 4.57) + (241 x 2.66) + (1918 x 2.70) + (378 x 0.05) + (369 x 0.00) = 6670.3 lbs<br>6670.3 x (1-.99) = 66.70 lbs<br>66.70 / 2000 = 0.03 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Portion Only | | | | | | | | | | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0 | 0.03 | 0.03 | TONs | See OC Explanation/Justification for calculation above. |
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.03 | TONS | |

- **Process & Emissions Detail**

Name: K058-94-Temp

Source Classification Code (SCC): 4-02-017-05

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 7488

Winter (Dec - Feb)%: 21

Spring (March-May)%: 31

Summer (June-Aug)%: 26

Fall (Sept-Nov)%: 22

| Material | Material Action | Throughput | X Units |
|---|---|---|---|
| Solvent in Coating | Used | 8.78 | TONs |

- **Process Emissions**

| Pollutant | Code | $ | Method Used | Hours UnCont. | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation |
|---|---|---|---|---|---|---|---|---|---|---|
| PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron) | PM-CON | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| SO2 - Sulfur Dioxide | SO2 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| NOx - Nitrogen Oxides | NOX | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Organic Compounds | OC | X | emissions: MAT. BALANCE | | | 0.12 | 0 | 0.12 | TONs | Cleanup Solvents employed in 2010: 1<br>Number of Gallons of Cleanup Solvent in 2010: 61.92<br>VOC Content of Cleanup Solvent: 7.54<br>Cleanup Solvent Material Collected: 0 gals<br>Release Factor: 0.5<br>Calculations:<br>(61.92 x 7.54) - (0 x 7.54) = 466.88 lbs<br>466.88 x 0.5 = 233.44 lbs<br>233.44 / 2000 = 0.12 tons |
| Pb - Lead | 7439921 | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PE (Filt) - Primary PM, Filterable Portion Only | PM-FIL | X | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM10 (Filt) - Primary PM10, Filterable Portion Only | PM10-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only | PM25-FIL | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| VOC - Volatile Organic Compounds | VOC | | emissions: MAT. BALANCE | | | 0.12 | 0 | 0.12 | TONs | See OC Explanation/Justification for calculation above. |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | NH3 | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| CO - Carbon Monoxide | CO | | emissions: MAT. BALANCE | | | 0 | 0 | 0. | TONs | |
| Total of Chargable Pollutants | | | | | | | | 0.12 | TONS | |