

**SMTV FER/EIS Emissions Report (201021) for 2010**  
**Chase Industries, Inc**  
**1409000716**  
**April 14, 2011**

# 2010 Emissions Summary Report : 201021

Oct 7 2011, 13:38:26

**- Report Data**

Report Category: SMTV

Submitted Date: 04/14/2011

Reporting Year: 2010

Approved Date 04/15/2011

Reporting State Approved

**- Reports Included**

FER: X

ES:

EIS: X

**- Facility Emissions**

| Pollutant  | Code     | \$ | Fugitive Amount | Stack Amount | Total | Units |
|--|----------|----|-----------------|--------------|-------|-------|
| PE (Cond) - Primary PM Condensable 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  | 3.34            | 0.           | 3.34  | 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      |    | 3.34            | 0.           | 3.34  | TONs  |
| Ammonia  | NH3      |    | 0.              | 0.           | 0.    | TONs  |
| CO - Carbon Monoxide   | CO       |    | 0.              | 0.           | 0.    | TONs  |
| Total of Chargable Pollutants  |          |    |                 |              | 3.34  | TONS  |

**- Attachments**

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

**- Notes**

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

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

| Unit         | SCC Id      | PM-CON | SO2 | NOX | OC   | 7439921 | PM-FIL | PM10-FIL | PM25-FIL | VOC  | NH3 | CO |
|--------------|-------------|--------|-----|-----|------|---------|--------|----------|----------|------|-----|----|
| K001         | 4-02-007-01 | 0.     | 0.  | 0.  | 2.82 | 0.      | 0.     | 0.       | 0.       | 2.82 | 0.  | 0. |
| K002         | 4-02-007-01 | 0.     | 0.  | 0.  | 0.36 | 0.      | 0.     | 0.       | 0.       | 0.36 | 0.  | 0. |
| K003         | 4-02-007-01 | 0.     | 0.  | 0.  | 0.16 | 0.      | 0.     | 0.       | 0.       | 0.16 | 0.  | 0. |
| <b>Total</b> |             | 0.     | 0.  | 0.  | 3.34 | 0.      | 0.     | 0.       | 0.       | 3.34 | 0.  | 0. |

# Emission Unit Summary: K001

Oct 7 2011, 13:38:26

Emissions Unit ID: K001

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant  | Code     | \$ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|--|----------|----|-----------------|--------------|-------|-------|-----|
| PE (Cond) - Primary PM Condensable 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  | 2.82            | 0            | 2.82  | 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      |    | 2.82            | 0            | 2.82  | TONs  |     |
| Ammonia  | NH3      |    | 0               | 0            | 0.    | TONs  |     |
| CO - Carbon Monoxide   | CO       |    | 0               | 0            | 0.    | TONs  |     |
| Total of Chargable Pollutants  |          |    |                 |              | 2.82  | TONS  |     |

## - Processes

### - Process & Emissions Detail

Name: K001

Source Classification Code (SCC): 4-02-007-01

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

Schedule Trade Secret:

Hours Per Day: 9

Days Per Week: 5

Weeks Per Year: 52

Hours Per Year: 2080

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

| Material    | Material Action | Throughput | X Units |
|-------------|-----------------|------------|---------|
| Coating Mix | Applied         | 4.08       | TONs    |

- **Process Emissions**

| Pollutant  | Code     | \$ Method Used              | Hours UnCont | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation   |
|--|----------|-----------------------------|--------------|------------------------|-----------------|--------------|-------|-------|---|
| PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron) | PM-CON   | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  | hand application of adhesive does not generate any PM condensable emissions   |
| SO2 - Sulfur Dioxide   | SO2      | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | hand application of adhesives does not generate any sulfur dioxide emissions  |
| NOx - Nitrogen Oxides  | NOX      | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | hand application of adhesives does not generate any nitrogen oxide emissions  |
| Organic Compounds  | OC       | X emissions: MAT. BALANCE   |              |                        | 2.82            | 0            | 2.82  | TONs  | Calculation used is:<br>gals of MEK x 6.71 OC lbs/gal x 1ton/2000lbs<br><br>gals of imperial LUP1402 Flexweld x 5.95 OC lbs/gal x 1ton/2000lbs<br><br>gals of 94-CAp x 0.66 OC lbs/gal x 1ton/2000lbs |
| Pb - Lead  | 7439921  | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | There is no lead in this process  |
| PE (Filt) - Primary PM, Filterable Portion Only                          | PM-FIL   | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesive does not generate any PM filterable emissions  |
| PM10 (Filt) - Primary PM10, Filterable Portion Only                      | PM10-FIL | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  |   |
| PM2.5 (FILT) - Primary PM2.5, Filterable                                 | PM25-FIL | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  |   |

|                                  |     |                                 |  |  |      |   |      |      |                                       |
|----------------------------------|-----|---------------------------------|--|--|------|---|------|------|---------------------------------------|
| Portion Only                     |     |                                 |  |  |      |   |      |      |                                       |
| VOC - Volatile Organic Compounds | VOC | emissions:<br>MAT.<br>BALANCE   |  |  | 2.82 | 0 | 2.82 | TONs | same emissions calculations as for OC |
| Ammonia                          | NH3 | emissions:<br>ENG.<br>JUDGEMENT |  |  | 0    | 0 | 0.   | TONs |                                       |
| CO - Carbon Monoxide             | CO  | emissions:<br>ENG.<br>JUDGEMENT |  |  | 0    | 0 | 0.   | TONs |                                       |
| Total of Chargable Pollutants    |     |                                 |  |  |      |   | 2.82 | TONS |                                       |

# Emission Unit Summary: K002

Oct 7 2011, 13:38:26

Emissions Unit ID: K002

Detailed Reporting

DAPC Description:

**- Unit Emissions**

| Pollutant  | Code     | \$ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|--|----------|----|-----------------|--------------|-------|-------|-----|
| PE (Cond) - Primary PM Condensable 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  | 0.36            | 0            | 0.36  | 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      |    | 0.36            | 0            | 0.36  | TONs  |     |
| Ammonia  | NH3      |    | 0               | 0            | 0.    | TONs  |     |
| CO - Carbon Monoxide   | CO       |    | 0               | 0            | 0.    | TONs  |     |
| Total of Chargable Pollutants  |          |    |                 |              | 0.36  | TONS  |     |

**- Processes**

**- Process & Emissions Detail**

Name: K002

Source Classification Code (SCC): 4-02-007-01

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

Schedule Trade Secret:

Hours Per Day: 9

Days Per Week: 5

Weeks Per Year: 52

Hours Per Year: 2080

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

| Material    | Material Action | Throughput | X Units |
|-------------|-----------------|------------|---------|
| Coating Mix | Applied         | 0.50       | TONs    |

- Process Emissions

| Pollutant  | Code     | \$ Method Used              | Hours UnCont | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation   |
|--|----------|-----------------------------|--------------|------------------------|-----------------|--------------|-------|-------|---|
| PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron) | PM-CON   | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesives does not generate PE (Cond) emissions   |
| SO2 - Sulfur Dioxide   | SO2      | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesives does not generate sulfur dioxide emissions  |
| NOx - Nitrogen Oxides  | NOX      | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesives does not generate nitrogen dioxide emissions  |
| Organic Compounds  | OC       | X emissions: MAT. BALANCE   |              |                        | 0.36            | 0            | 0.36  | TONs  | OC emissions were determined using the following calculations:<br><br>gals of thinner x 7.39 OC lbs/gal x 1ton/2000lbs<br><br>gals of paint x 4.00 OC lbs/gal x 1ton/2000lbs<br><br>gals of contact adhesive x 4.95 OC lbs/gal x 1ton/2000lbs |
| Pb - Lead  | 7439921  | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | There is no lead in this process  |
| PE (Filt) - Primary PM, Filterable Portion Only                          | PM-FIL   | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesives does not generate PM filterable emissions   |
| PM10 (Filt) - Primary PM10, Filterable Portion Only                      | PM10-FIL | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  |   |
| PM2.5 (FILT) - Primary PM2.5, Filterable                                 | PM25-FIL | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  |   |

|                                  |     |                                 |  |  |      |   |      |      |  |
|----------------------------------|-----|---------------------------------|--|--|------|---|------|------|--|
| Portion Only                     |     |                                 |  |  |      |   |      |      |  |
| VOC - Volatile Organic Compounds | VOC | emissions:<br>MAT.<br>BALANCE   |  |  | 0.36 | 0 | 0.36 | TONs | Same calculation as OC emissions determination |
| Ammonia                          | NH3 | emissions:<br>ENG.<br>JUDGEMENT |  |  | 0    | 0 | 0.   | TONs |  |
| CO - Carbon Monoxide             | CO  | emissions:<br>ENG.<br>JUDGEMENT |  |  | 0    | 0 | 0.   | TONs |  |
| Total of Chargable Pollutants    |     |                                 |  |  |      |   | 0.36 | TONS |  |

# Emission Unit Summary: K003

Oct 7 2011, 13:38:26

Emissions Unit ID: K003

Detailed Reporting

DAPC Description:

## - Unit Emissions

| Pollutant  | Code     | \$ | Fugitive Amount | Stack Amount | Total | Units | QA+ |
|--|----------|----|-----------------|--------------|-------|-------|-----|
| PE (Cond) - Primary PM Condensable 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  | 0.16            | 0            | 0.16  | 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      |    | 0.16            | 0            | 0.16  | TONs  |     |
| Ammonia  | NH3      |    | 0               | 0            | 0.    | TONs  |     |
| CO - Carbon Monoxide   | CO       |    | 0               | 0            | 0.    | TONs  |     |
| Total of Chargable Pollutants  |          |    |                 |              | 0.16  | TONS  |     |

## - Processes

### - Process & Emissions Detail

Name: K003

Source Classification Code (SCC): 4-02-007-01

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

Schedule Trade Secret:

Hours Per Day: 9

Days Per Week: 5

Weeks Per Year: 52

Hours Per Year: 2080

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

| Material    | Material Action | Throughput | X Units |
|-------------|-----------------|------------|---------|
| Coating Mix | Applied         | 6.49       | TONs    |

- **Process Emissions**

| Pollutant  | Code     | \$ Method Used              | Hours UnCont | UnCont. Factor (LBS/X) | Fugitive Amount | Stack Amount | Total | Units | Explanation   |
|--|----------|-----------------------------|--------------|------------------------|-----------------|--------------|-------|-------|---|
| PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron) | PM-CON   | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesives does not generate PE (Condensable) emissions  |
| SO2 - Sulfur Dioxide   | SO2      | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesives does not generate sulfur dioxide emissions  |
| NOx - Nitrogen Oxides  | NOX      | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesives does not generate nitrogen oxide emissions  |
| Organic Compounds  | OC       | X emissions: MAT. BALANCE   |              |                        | 0.16            | 0            | 0.16  | TONs  | OC emissions were determined using the following calculations:<br><br>gals of Plexus A x 0.42 OC lbs/gal x 1ton/2000lbs<br><br>gals of Plexus B x 0.42 OC lbs/gal x 1 ton/2000lbs<br><br>gals of Vetak x 0.01 OC lbs/gal x 1ton/2000lbs |
| Pb - Lead  | 7439921  | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | There is no lead in this process  |
| PE (Filt) - Primary PM, Filterable Portion Only                          | PM-FIL   | X emissions: ENG. JUDGEMENT |              |                        | 0               | 0            | 0.    | TONs  | Hand application of adhesives does not generate PM filterable emissions   |
| PM10 (Filt) - Primary PM10, Filterable Portion Only                      | PM10-FIL | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  |   |
| PM2.5 (FILT) - Primary PM2.5, Filterable                                 | PM25-FIL | emissions: ENG. JUDGEMENT   |              |                        | 0               | 0            | 0.    | TONs  |   |

|                                  |     |                                 |  |  |      |   |      |      |                                  |
|----------------------------------|-----|---------------------------------|--|--|------|---|------|------|----------------------------------|
| Portion Only                     |     |                                 |  |  |      |   |      |      |                                  |
| VOC - Volatile Organic Compounds | VOC | emissions:<br>MAT.<br>BALANCE   |  |  | 0.16 | 0 | 0.16 | TONs | Same calculations used as for OC |
| Ammonia                          | NH3 | emissions:<br>ENG.<br>JUDGEMENT |  |  | 0    | 0 | 0.   | TONs |                                  |
| CO - Carbon Monoxide             | CO  | emissions:<br>ENG.<br>JUDGEMENT |  |  | 0    | 0 | 0.   | TONs |                                  |
| Total of Chargable Pollutants    |     |                                 |  |  |      |   | 0.16 | TONS |                                  |