

Appendix D Emission Inventories

Half Hour Emission Inventory

Site Name: Owens Corning

Site Location: Guelph Glass Plant

Averaging Period: 30 Minute

Source Summary Table B - Emission Inventory Table

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|-------------------|-------------------------|-------------|------------------|---|----------------------------|-----------------------------|---------------------|--------------------------------|
| 318 | ACETIC ACID | 64-19-7 | | | | | | |
| | | | A12 | Pre-Mix Level Exhaust #1 | 3.377E-02 | EC | Average | 6.33 |
| | | | A13 | Pre-Mix Level Exhaust #2 | 3.377E-02 | EC | Average | 6.33 |
| | | | B15 | 107C Forming Scrap Tunnel Exhaust | 6.754E-02 | EC | Average | 12.65 |
| | | | B16 | 107B Forming Scrap Tunnel Exhaust | 6.754E-02 | EC | Average | 12.65 |
| | | | B40 | OUT OF SERVICE (105 Forming Scrap Tunnel Exhaust) | 6.754E-02 | EC | Average | 12.65 |
| | | | C100 | CFM Forming Tunnel | 1.059E-02 | EC | Average | 1.98 |
| | | | C101 | CFM Forming Tunnel | 1.059E-02 | EC | Average | 1.98 |
| | | | C60 | Binder Circ. Tank Exhaust | 3.377E-02 | EC | Average | 6.33 |
| | | | C65 | No. 12 Oven Burner Exhaust | 3.205E-02 | EC | Average | 6.00 |
| | | | C67 | No. 14 Oven Burner Exhaust | 3.205E-02 | EC | Average | 6.00 |
| | | | C68 | No. 15 Oven Burner Exhaust | 3.205E-02 | EC | Average | 6.00 |

Friday, March 27, 2015

*Estimation Techniques: MB-mass balance calculation, EF-emission factor calculation
V-ST-validated source testing, EC-engineering calculation*

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Scenario Name 144539_Half_Hr_Current_R4

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|------------|--|-----------|-----------------------|----------------------------|---------------------|----------------------|--------------|-------------------------|
| | | | C69 | No. 16 Oven Burner Exhaust | 3.205E-02 | EC | Average | 6.00 |
| | | | C70 | No. 17 Oven Burner Exhaust | 3.205E-02 | EC | Average | 6.00 |
| | | | C72 | CFM Forming Tunnel | 1.059E-02 | EC | Average | 1.98 |
| | | | C73 | CFM Binder Cyclone | 2.648E-02 | EC | Average | 4.96 |
| | | | C75 | CFM RTO - Oven | 7.944E-04 | EC | Average | 0.15 |
| | | | C99 | CFM Forming Tunnel | 1.059E-02 | EC | Average | 1.98 |
| | | | Scenario Total | | 5.339E-01 | | | 100 |
| 7 | CARBON MONOXIDE | 630-08-0 | | | | | | |
| | | | B01 | 107 Furnace Stack (West) | 5.800E-02 | SM | Doc | 100.00 |
| | | | Scenario Total | | 5.800E-02 | | | 100 |
| 368 | Chromium Compounds (Di-,Tri-,metallic) | 7440-47-3 | | | | | | |
| | | | B01 | 107 Furnace Stack (West) | 2.492E-04 | EC | Average | 36.80 |
| | | | B11 | 107B Forehearth Stack | 5.781E-05 | | | 8.54 |
| | | | B38 | 105 Forehearth Stack | 3.701E-04 | | | 54.66 |
| | | | Scenario Total | | 6.771E-04 | | | 100 |
| 3554 | Dibromoacetonitrile | 3252-43-5 | | | | | | |
| | | | A12 | Pre-Mix Level Exhaust #1 | 8.070E-05 | EC | Average | 10.52 |

Friday, March 27, 2015

Estimation Techniques: MB-mass balance calculation, EF-emission factor calculation
V-ST-validated source testing, EC-engineering calculation

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Scenario Name 144539_Half_Hr_Current_R4

| <i>Contam. ID</i> | <i>Contaminant Name</i> | <i>CAS#</i> | <i>Source ID</i> | <i>Source Description</i> | <i>Emission Rate (g/s)</i> | <i>Estimation Technique</i> | <i>Data Quality</i> | <i>% of Facility Emissions</i> |
|-------------------|-------------------------|-------------|------------------|---|----------------------------|-----------------------------|---------------------|--------------------------------|
| | | | A13 | Pre-Mix Level Exhaust #2 | 8.070E-05 | EC | Average | 10.52 |
| | | | B15 | 107C Forming Scrap Tunnel Exhaust | 8.070E-05 | EC | Average | 10.52 |
| | | | B16 | 107B Forming Scrap Tunnel Exhaust | 8.070E-05 | EC | Average | 10.52 |
| | | | B40 | OUT OF SERVICE (105 Forming Scrap Tunnel Exhaust) | 8.070E-05 | EC | Average | 10.52 |
| | | | C100 | CFM Forming Tunnel | 1.342E-05 | EC | Average | 1.75 |
| | | | C101 | CFM Forming Tunnel | 1.342E-05 | EC | Average | 1.75 |
| | | | C60 | Binder Circ. Tank Exhaust | 8.070E-05 | EC | Average | 10.52 |
| | | | C65 | No. 12 Oven Burner Exhaust | 3.946E-05 | EC | Average | 5.15 |
| | | | C67 | No. 14 Oven Burner Exhaust | 3.946E-05 | EC | Average | 5.15 |
| | | | C68 | No. 15 Oven Burner Exhaust | 3.946E-05 | EC | Average | 5.15 |
| | | | C69 | No. 16 Oven Burner Exhaust | 3.946E-05 | EC | Average | 5.15 |
| | | | C70 | No. 17 Oven Burner Exhaust | 3.946E-05 | EC | Average | 5.15 |
| | | | C72 | CFM Forming Tunnel | 1.342E-05 | EC | Average | 1.75 |
| | | | C73 | CFM Binder Cyclone | 3.068E-05 | EC | Average | 4.00 |
| | | | C75 | CFM RTO - Oven | 9.204E-07 | EC | Average | 0.12 |
| | | | C99 | CFM Forming Tunnel | 1.342E-05 | EC | Average | 1.75 |

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|------------|-------------------------|---------|-----------|---|-----------------------|----------------------|--------------|-------------------------|
| | | | | | Scenario Total | 7.668E-04 | | 100 |
| 316 | ETHANOL (ETHYL ALCOHOL) | 64-17-5 | | | | | | |
| | | | A12 | Pre-Mix Level Exhaust #1 | 3.149E-02 | EC | Average | 6.33 |
| | | | A13 | Pre-Mix Level Exhaust #2 | 3.149E-02 | EC | Average | 6.33 |
| | | | B15 | 107C Forming Scrap Tunnel Exhaust | 6.298E-02 | EC | Average | 12.65 |
| | | | B16 | 107B Forming Scrap Tunnel Exhaust | 6.298E-02 | EC | Average | 12.65 |
| | | | B40 | OUT OF SERVICE (105 Forming Scrap Tunnel Exhaust) | 6.298E-02 | EC | Average | 12.65 |
| | | | C100 | CFM Forming Tunnel | 9.876E-03 | EC | Average | 1.98 |
| | | | C101 | CFM Forming Tunnel | 9.876E-03 | EC | Average | 1.98 |
| | | | C60 | Binder Circ. Tank Exhaust | 3.149E-02 | EC | Average | 6.33 |
| | | | C65 | No. 12 Oven Burner Exhaust | 2.989E-02 | EC | Average | 6.00 |
| | | | C67 | No. 14 Oven Burner Exhaust | 2.989E-02 | EC | Average | 6.00 |
| | | | C68 | No. 15 Oven Burner Exhaust | 2.989E-02 | EC | Average | 6.00 |
| | | | C69 | No. 16 Oven Burner Exhaust | 2.989E-02 | EC | Average | 6.00 |
| | | | C70 | No. 17 Oven Burner Exhaust | 2.989E-02 | EC | Average | 6.00 |
| | | | C72 | CFM Forming Tunnel | 9.876E-03 | EC | Average | 1.98 |

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|-------------------|---|-------------|-----------------------|---|----------------------------|-----------------------------|---------------------|--------------------------------|
| | | | C73 | CFM Binder Cyclone | 2.469E-02 | EC | Average | 4.96 |
| | | | C75 | CFM RTO - Oven | 7.407E-04 | EC | Average | 0.15 |
| | | | C99 | CFM Forming Tunnel | 9.876E-03 | EC | Average | 1.98 |
| | | | Scenario Total | | 4.978E-01 | | | 100 |
| 421 | HYDROGEN CHLORIDE | 7647-01-0 | | | | | | |
| | | | B01 | 107 Furnace Stack (West) | 1.040E-02 | SM | C | 100.00 |
| | | | Scenario Total | | 1.040E-02 | | | 100 |
| 423 | HYDROGEN FLUORIDE - GASEOUS-GROWING SEASON GS | 7664-39-3 | | | | | | |
| | | | B01 | 107 Furnace Stack (West) | 1.733E-02 | SM | C | 100.00 |
| | | | Scenario Total | | 1.733E-02 | | | 100 |
| 329 | METHANOL (METHYL ALCOHOL, WOOD ALCOHOL) | 67-56-1 | | | | | | |
| | | | A12 | Pre-Mix Level Exhaust #1 | 3.414E-02 | EC | Average | 6.33 |
| | | | A13 | Pre-Mix Level Exhaust #2 | 3.414E-02 | EC | Average | 6.33 |
| | | | B15 | 107C Forming Scrap Tunnel Exhaust | 6.827E-02 | EC | Average | 12.65 |
| | | | B16 | 107B Forming Scrap Tunnel Exhaust | 6.827E-02 | EC | Average | 12.65 |
| | | | B40 | OUT OF SERVICE (105 Forming Scrap Tunnel Exhaust) | 6.827E-02 | EC | Average | 12.65 |
| | | | C100 | CFM Forming Tunnel | 1.071E-02 | EC | Average | 1.98 |

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|------------|------------------------------------|------------|-----------------------|----------------------------|---------------------|----------------------|--------------|-------------------------|
| | | | C101 | CFM Forming Tunnel | 1.071E-02 | EC | Average | 1.98 |
| | | | C60 | Binder Circ. Tank Exhaust | 3.414E-02 | EC | Average | 6.33 |
| | | | C65 | No. 12 Oven Burner Exhaust | 3.240E-02 | EC | Average | 6.00 |
| | | | C67 | No. 14 Oven Burner Exhaust | 3.240E-02 | EC | Average | 6.00 |
| | | | C68 | No. 15 Oven Burner Exhaust | 3.240E-02 | EC | Average | 6.00 |
| | | | C69 | No. 16 Oven Burner Exhaust | 3.240E-02 | EC | Average | 6.00 |
| | | | C70 | No. 17 Oven Burner Exhaust | 3.240E-02 | EC | Average | 6.00 |
| | | | C72 | CFM Forming Tunnel | 1.071E-02 | EC | Average | 1.98 |
| | | | C73 | CFM Binder Cyclone | 2.677E-02 | EC | Average | 4.96 |
| | | | C75 | CFM RTO - Oven | 8.030E-04 | EC | Average | 0.15 |
| | | | C99 | CFM Forming Tunnel | 1.071E-02 | EC | Average | 1.98 |
| | | | Scenario Total | | 5.396E-01 | | | 100 |
| 4 | NITROGEN OXIDES (EXPRESSED AS NO2) | 10102-44-0 | | | | | | |
| | | | 999 | Comfort Heat Total | 1.643E-01 | EF | Above Avg | 4.81 |
| | | | B01 | 107 Furnace Stack (West) | 2.160E+00 | EC | Average | 63.27 |
| | | | B11 | 107B Forehearth Stack | 4.005E-02 | EF | Above Avg | 1.17 |

| <i>Contam. ID</i> | <i>Contaminant Name</i> | <i>CAS#</i> | <i>Source ID</i> | <i>Source Description</i> | <i>Emission Rate (g/s)</i> | <i>Estimation Technique</i> | <i>Data Quality</i> | <i>% of Facility Emissions</i> |
|-------------------|-------------------------|-------------|------------------|-------------------------------|----------------------------|-----------------------------|---------------------|--------------------------------|
| | | | B38 | 105 Forehearth Stack | 1.442E-01 | EF | Above Avg | 4.22 |
| | | | C100 | CFM Forming Tunnel | 1.602E-02 | EF | Above Avg | 0.47 |
| | | | C101 | CFM Forming Tunnel | 1.602E-02 | EF | Above Avg | 0.47 |
| | | | C48 | Mat Line Oven Charge Stack | 1.286E-02 | EF | Above Avg | 0.38 |
| | | | C49 | Mat Line Main Oven Stack | 1.113E-01 | EF | Above Avg | 3.26 |
| | | | C50 | Mat Line Oven Discharge Stack | 1.286E-02 | EF | Above Avg | 0.38 |
| | | | C65 | No. 12 Oven Burner Exhaust | 2.881E-02 | EF | Above Avg | 0.84 |
| | | | C66 | No. 13 Oven Burner Exhaust | 2.881E-02 | EF | Above Avg | 0.84 |
| | | | C67 | No. 14 Oven Burner Exhaust | 2.881E-02 | EF | Above Avg | 0.84 |
| | | | C68 | No. 15 Oven Burner Exhaust | 2.881E-02 | EF | Above Avg | 0.84 |
| | | | C69 | No. 16 Oven Burner Exhaust | 2.881E-02 | EF | Above Avg | 0.84 |
| | | | C70 | No. 17 Oven Burner Exhaust | 2.881E-02 | EF | Above Avg | 0.84 |
| | | | C72 | CFM Forming Tunnel | 1.602E-02 | EF | Above Avg | 0.47 |
| | | | C75 | CFM RTO - Oven | 3.833E-01 | EF | Above Avg | 11.22 |
| | | | C99 | CFM Forming Tunnel | 1.602E-02 | EF | Above Avg | 0.47 |
| | | | G13 | NGF Tire Cord Line #1 RTO | 1.484E-01 | EC | Average | 4.35 |

Friday, March 27, 2015

Estimation Techniques: MB-mass balance calculation, EF-emission factor calculation
V-ST-validated source testing, EC-engineering calculation

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Scenario Name 144539_Half_Hr_Current_R4

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|------------|-------------------------|-----------|-----------|-------------------------------|-----------------------|----------------------|--------------|-------------------------|
| | | | | | Scenario Total | 3.415E+00 | | 100 |
| 1 | PM - PARTICULATE MATTER | N/A - M08 | | | | | | |
| | | | A06 | Cooling Tower #1 | 1.481E-02 | EF | Average | 1.98 |
| | | | A07 | Cooling Tower #2 | 1.481E-02 | EF | Average | 1.98 |
| | | | A58 | Cooling Tower #4 | 1.481E-02 | EF | Average | 1.98 |
| | | | B01 | 107 Furnace Stack (West) | 1.172E-01 | SM | Doc | 15.68 |
| | | | B05 | 107 Dust Collector Ex. (West) | 4.125E-03 | EF | USEPA_B | 0.55 |
| | | | B06 | 107 Dust Collector Ex. (East) | 4.125E-03 | EF | USEPA_B | 0.55 |
| | | | C48 | Mat Line Oven Charge Stack | 1.250E-02 | EC | C | 1.67 |
| | | | C49 | Mat Line Main Oven Stack | 1.375E-01 | EC | C | 18.39 |
| | | | C50 | Mat Line Oven Discharge Stack | 1.250E-02 | EC | C | 1.67 |
| | | | C51 | Mat Line PRD Stack | 7.096E-02 | EC | C | 9.49 |
| | | | C73 | CFM Binder Cyclone | 1.441E-01 | EC | Average | 19.27 |
| | | | D63 | Filter Box Louvre Exhaust | 5.133E-02 | EC | C | 6.87 |
| | | | D64 | Filter Box Louvre Exhaust | 5.133E-02 | EC | C | 6.87 |
| | | | G39 | Batch House D/C Exhaust | 5.219E-03 | EC | USEPA_B | 0.70 |

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions | |
|------------|--|------------|-----------------------|---|---------------------|----------------------|--------------|-------------------------|------------|
| | | | G40 | Batch House D/C Exhaust | 1.459E-02 | EC | USEPA_B | 1.95 | |
| | | | G45 | Batch House D/C Exhaust, Mixed Batch Silo | 6.500E-03 | EC | USEPA_B | 0.87 | |
| | | | G46 | Bad Batch D/C Exhaust #1 | 6.500E-03 | EC | USEPA_B | 0.87 | |
| | | | G47 | Bad Batch D/C Exhaust #2 | 5.469E-03 | EC | USEPA_B | 0.73 | |
| | | | G48 | Batch Ingredient Dust Collector | 5.469E-03 | EC | USEPA_B | 0.73 | |
| | | | G50 | Batch Ingredient Dust Collector (Silos 5, 10, 11) | 5.219E-03 | EC | USEPA_B | 0.70 | |
| | | | G52 | Batch Ingredient Dust Collector | 7.813E-03 | EC | USEPA_B | 1.05 | |
| | | | G61 | Batch Ingredient D/C Exhaust (Silo #18) | 6.250E-03 | EC | USEPA_B | 0.84 | |
| | | | G62 | Batch Ingredient D/C Exhaust (Silo #19) | 6.250E-03 | EC | USEPA_B | 0.84 | |
| | | | G63 | Batch Ingredient D/C Exhaust (Silo #20) | 6.250E-03 | EC | USEPA_B | 0.84 | |
| | | | G64 | Batch Ingredient D/C Exhaust (Silo #21) | 6.250E-03 | EC | USEPA_B | 0.84 | |
| | | | G65 | Batch Ingredient Dust Collector | 1.047E-02 | EC | USEPA_B | 1.40 | |
| | | | G68 | Batch Ingredient D/C Exhaust (Silo # 1, 3, 9) | 5.219E-03 | EC | USEPA_B | 0.70 | |
| | | | Scenario Total | | | | | 7.475E-01 | 100 |
| 190 | SILICA-RESPIRABLE (<10um DIAMETER), QUARTZ | 14808-60-7 | B05 | 107 Dust Collector Ex. (West) | 2.558E-03 | EC | Average | 8.46 | |

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|------------|------------------|-----------|-----------------------|---|---------------------|----------------------|--------------|-------------------------|
| | | | B06 | 107 Dust Collector Ex. (East) | 2.558E-03 | EC | Average | 8.46 |
| | | | G40 | Batch House D/C Exhaust | 1.459E-02 | EC | Average | 48.26 |
| | | | G45 | Batch House D/C Exhaust, Mixed Batch Silo | 4.030E-03 | EC | Average | 13.33 |
| | | | G46 | Bad Batch D/C Exhaust #1 | 6.500E-03 | EC | Average | 21.50 |
| | | | Scenario Total | | 3.024E-02 | | | 100 |
| 5 | SULPHUR DIOXIDE | 7446-09-5 | | | | | | |
| | | | B01 | 107 Furnace Stack (West) | 1.680E+00 | MB | Above Avg | 100.00 |
| | | | Scenario Total | | 1.680E+00 | | | 100 |
| 74 | TOLUENE | 108-88-3 | | | | | | |
| | | | A12 | Pre-Mix Level Exhaust #1 | 2.002E-03 | EC | Average | 9.31 |
| | | | A13 | Pre-Mix Level Exhaust #2 | 2.002E-03 | EC | Average | 9.31 |
| | | | B15 | 107C Forming Scrap Tunnel Exhaust | 3.003E-03 | EC | Average | 13.96 |
| | | | B16 | 107B Forming Scrap Tunnel Exhaust | 3.003E-03 | EC | Average | 13.96 |
| | | | B40 | OUT OF SERVICE (105 Forming Scrap Tunnel Exhaust) | 3.003E-03 | EC | Average | 13.96 |
| | | | C100 | CFM Forming Tunnel | 4.710E-04 | EC | Average | 2.19 |
| | | | C101 | CFM Forming Tunnel | 4.710E-04 | EC | Average | 2.19 |
| | | | C60 | Binder Circ. Tank Exhaust | 2.002E-03 | EC | Average | 9.31 |

| <i>Contam. ID</i> | <i>Contaminant Name</i> | <i>CAS#</i> | <i>Source ID</i> | <i>Source Description</i> | <i>Emission Rate (g/s)</i> | <i>Estimation Technique</i> | <i>Data Quality</i> | <i>% of Facility Emissions</i> |
|-------------------|-------------------------|-------------|-----------------------|----------------------------|-----------------------------|-----------------------------|---------------------|--------------------------------|
| | | | C65 | No. 12 Oven Burner Exhaust | 7.918E-04 | EC | Average | 3.68 |
| | | | C67 | No. 14 Oven Burner Exhaust | 7.918E-04 | EC | Average | 3.68 |
| | | | C68 | No. 15 Oven Burner Exhaust | 7.918E-04 | EC | Average | 3.68 |
| | | | C69 | No. 16 Oven Burner Exhaust | 7.918E-04 | EC | Average | 3.68 |
| | | | C70 | No. 17 Oven Burner Exhaust | 7.918E-04 | EC | Average | 3.68 |
| | | | C72 | CFM Forming Tunnel | 4.710E-04 | EC | Average | 2.19 |
| | | | C73 | CFM Binder Cyclone | 6.280E-04 | EC | Average | 2.92 |
| | | | C75 | CFM RTO - Oven | 1.884E-05 | EC | Average | 0.09 |
| | | | C99 | CFM Forming Tunnel | 4.710E-04 | EC | Average | 2.19 |
| | | | Scenario Total | | 2.151E-02 | | | 100 |
| 584 | ZINC OXIDE | 1314-13-2 | | | | | | |
| | | | B01 | 107 Furnace Stack (West) | 1.002E-01 | EC | Average | 100.00 |
| | | | Scenario Total | | 1.002E-01 | | | 100 |
| | | | Date Created | | 3/27/2015 1:37:06 PM | | | |

Hexavalent Chromium Emission Inventory
Current Operating Scenario
(24 hour and Annual Averaging Time)

Site Name: Owens Corning

Site Location: Guelph Glass Plant

Averaging Period: 24hr and Annual Averaging Times

Source Summary Table B - Emission Inventory Table

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|------------|-------------------------|------------|-----------|--|---------------------|----------------------|--------------|-------------------------|
| 205 | CHROMIUM (VI) COMPOUNDS | 18540-29-9 | | | | | | |
| | | | B01 | 107 Furnace Stack (West) | 3.552E-05 | VST | Highest | 15.11 |
| | | | B08 | General Exhaust Above Furnace | 2.052E-06 | VST | Highest | 0.87 |
| | | | B10 | General Exhaust Above T107B F/H | 2.390E-06 | VST | Highest | 1.02 |
| | | | B11 | 107B Forehearth Stack | 1.507E-04 | VST | Highest | 64.10 |
| | | | B32 | General Exhaust Above T106 | 2.390E-06 | VST | Highest | 1.02 |
| | | | B34 | General Exhaust Above T107A F/H | 2.390E-06 | VST | Highest | 1.02 |
| | | | B35 | General Exhaust Above CFM Main Channel | 2.390E-06 | VST | Highest | 1.02 |
| | | | B38 | 105 Forehearth Stack | 3.319E-05 | VST | Highest | 14.12 |
| | | | C79 | General Exhaust West CFM F/H | 2.039E-06 | VST | Highest | 0.87 |
| | | | C80 | General Exhaust East CFM F/H | 2.039E-06 | VST | Highest | 0.87 |
| | | | | Scenario Total | 2.351E-04 | | | 100 |
| | | | | Date Created | | 3/22/2015 4:46:13 PM | | |

Sunday, March 22, 2015

Estimation Techniques: MB-mass balance calculation, EF-emission factor calculation
V-ST-validated source testing, EC-engineering calculation

Scenario Name 144539_24hr_Annual_HexChr_Current_R1

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Hexavalent Chromium Emission Inventory
Future Operating Scenario (Action Plan)
(24 hour and Annual Averaging Time)

Site Name: Owens Corning

Site Location: Guelph Glass Plant

Averaging Period: 24 hour and Annual Averaging Times

Source Summary Table B - Emission Inventory Table

| Contam. ID | Contaminant Name | CAS# | Source ID | Source Description | Emission Rate (g/s) | Estimation Technique | Data Quality | % of Facility Emissions |
|-------------------|-------------------------|-------------|------------------|---|----------------------------|-----------------------------|---------------------|--------------------------------|
| 205 | CHROMIUM (VI) COMPOUNDS | 18540-29-9 | | | | | | |
| | | | B10 | General Exhaust Above T107B F/H | 9.080E-07 | VST | Highest | 0.55 |
| | | | B24 | 105 Furnace Stack (West) | 2.184E-05 | ST | Above Avg | 13.12 |
| | | | B25 | 105 Furnace Stack (East) | 2.184E-05 | ST | Above Avg | 13.12 |
| | | | B32 | General Exhaust Above T106 | 9.080E-07 | VST | Highest | 0.55 |
| | | | B33 | OUT OF SERVICE (Gen Exhaust Above T105) | 3.119E-06 | ST | Above Avg | 1.87 |
| | | | B34 | General Exhaust Above T107A F/H | 9.080E-07 | VST | Highest | 0.55 |
| | | | B35 | General Exhaust Above CFM Main Channel | 9.080E-07 | VST | Highest | 0.55 |
| | | | B38 | 105 Forehearth Stack | 1.098E-04 | VST | Highest | 65.97 |
| | | | C79 | General Exhaust West CFM F/H | 3.099E-06 | VST | Highest | 1.86 |
| | | | C80 | General Exhaust East CFM F/H | 3.099E-06 | VST | Highest | 1.86 |
| | | | | Scenario Total | 1.664E-04 | | | 100 |
| | | | | Date Created | | 3/23/2015 2:59:32 PM | | |

Monday, March 23, 2015

*Estimation Techniques: MB-mass balance calculation, EF-emission factor calculation
V-ST-validated source testing, EC-engineering calculation*

Scenario Name 144539_24hr_Annual_HexChr_Future_R1

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