

Site#: A0030

Site name: Owens-Brockway Glass Container Inc.

Period: 1/1/13 to 6/30/13

Address: 3600 Alameda Avenue City: Oakland

State: CA

Zip: 94601

The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any, and the compliance status for the indicated source during the current six month period. The source or facility is in compliance if a "Y" is written in the compliance column. If not an "N" is written. The source or facility is in compliance for the entire six month period if a "C" is written in the "Cont or Int" column. If the source or facility is out of compliance for part of the time period an "I" is written. If the source or facility is out of compliance for the entire time period an "N" is written. If an "1" is written in the compliance column the number of days out of compliance will be indicated.

Applicable Limits, Compliance Monitoring Requirements, and Status  
S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

| Type of limit | Emission Limit Citation | Emission Limit                | Monitoring Requirement Citation           | Monitoring Type            | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|-------------------------|-------------------------------|---|----------------------------|------------|-------------|-----------------------------------|
| Opacity       | BAAQMD 6-301            | Ringelmann 1.0<br>≤= 3 min/hr | BAAQMD 6-501 BAAQMD Cond # 11930, part 8  | Continuous Opacity Monitor | Y          | I           | 6, see Appendix, Table 1          |
|               | BAAQMD 6-302            | 20% opacity                   | BAAQMD 6-501, BAAQMD Cond # 11930, part 8 | Continuous Opacity Monitor | Y          | I           | 6, see Appendix, Table 1          |
| - FP          | BAAQMD 6-310            | 0.15 gr/dscf                  | BAAQMD Cond # 11930, part 7               | Annual Source Test         | Y          | C           |                                   |
|               | BAAQMD 6-311            | 40 lb/hr                      | BAAQMD Cond # 11930, part 7               | Annual Source Test         | Y          | C           |                                   |
| NOx           | BAAQMD 9-12-301         | 5.5 lb/ton                    | BAAQMD 9-12-404                           | Annual Source Test         | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits and Compliance Monitoring Requirements, and Status S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

| Type of limit | Emission Limit Citation        | Emission Limit   | Monitoring Requirement Citation | Monitoring Type    | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|--------------------------------|--|---------------------------------|--------------------|------------|-------------|-----------------------------------|
| NOx           | BAAQMD 9-12-301                | 5.5 lb/ton   | BAAQMD Cond # 11930, part 3     | CEM                | Y          | C           |                                   |
| NOx           | BAAQMD Condition 11930, part 2 | 212.7 ton NOx in any consecutive 12 month period                           | BAAQMD Cond # 11930, part 3     | CEM                | Y          | C           |                                   |
| SO2           | BAAQMD 9-1-301                 | GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours |                                 |                    | Y          | C           |                                   |
|               | BAAQMD 9-1-302                 | Sulfur dioxide emission not to exceed 300 ppm (dry)                        | BAAQMD Cond # 11930, part 6     | Annual Source Test | Y          | C           |                                   |
| Lead          | BAAQMD 11-1-301                | 15 lb/day  | BAAQMD Cond # 11930, part 5     | Annual Source Test | Y          | C           |                                   |
|               | BAAQMD 11-1-302                | GLC not to exceed 1.0 ug/cu. m., 24 hr. avg.                               |                                 |                    | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits and Compliance Monitoring Requirements, and Status S 10, GLASS MELTING FURNACE "C" NATURAL GAS FIRED

| Type of limit    | Emission Limit Citation    | Emission Limit | Monitoring Requirement Citation    | Monitoring Type | Compliance | Cont or Int | Days out of compliance / Comments |
|------------------|----------------------------|----------------|------------------------------------|-----------------|------------|-------------|-----------------------------------|
| Glass Production | BAAQMD Cond #11930, part 1 | 125,000 ton/yr | BAAQMD Cond #11930, part 4a and 4c | Record keeping  | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S11, GLASS MELTING FURNACE "D" NATURAL GAS FIRED

| Type of limit | Emission Limit Citation | Emission Limit                | Monitoring Requirement Citation                | Monitoring Type                    | Compliance | Con or Int | Days out of compliance / Comments |
|---------------|-------------------------|-------------------------------|--|------------------------------------|------------|------------|-----------------------------------|
| Opacity       | BAAQMD 6-301            | Ringelmann 1.0<br><= 3 min/hr | BAAQMD 6-501, BAAQMD Cond # 11930, part 8      | Continuous<br>Opacity Monitor      | Y          | I          | 2; see Appendix, Table II         |
|               | BAAQMD 6-302            | 20% opacity                   | BAAQMD 6-501, BAAQMD Cond # 11930, part 8      | Continuous<br>Opacity Monitor      | Y          | I          | 2; see Appendix, Table II         |
| FP            | BAAQMD 6-310            | 0.15 gr/dscf                  | BAAQMD Cond # 11930, part 7                    | Annual Source<br>Test              | Y          | C          |                                   |
|               | BAAQMD 6-311            | 40 lb/hr                      | BAAQMD Cond # 11930, part 7                    | Annual Source<br>Test              | Y          | C          |                                   |
| NOx           | BAAQMD 9-12-301         | 5.5 lb/ton                    | BAAQMD 9-12-404 and<br>Condition #21614 part 8 | Annual Source<br>Test              | Y          | C          |                                   |
|               | Condition #21614 part 5 | 4.0 lb/ton                    | Condition #21614 part 7                        | Continuous<br>Emissions<br>Monitor | Y          | C          |                                   |
| CO            | Condition #21614 part 6 | 0.70 lb/ton                   | Condition #21614 part 8                        | Annual Source<br>Test              | Y          | C          |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S11, GLASS MELTING FURNACE "D" NATURAL GAS FIRED

| Type of limit    | Emission Limit Citation    | Emission Limit   | Monitoring Requirement Citation    | Monitoring Type            | Compliance | Con or Int | Days out of compliance / Comments |
|------------------|----------------------------|--|------------------------------------|----------------------------|------------|------------|-----------------------------------|
| SO2              | BAAQMD 9-1-301             | GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours |                                    |                            | Y          | C          |                                   |
|                  | BAAQMD 9-1-302             | Sulfur dioxide emission not to exceed 300 ppm (dry)                        | BAAQMD Cond # 11930, part 6        | Annual Source Test         | Y          | C          |                                   |
| Lead             | BAAQMD 11-1-301            | 15 lb/day  | BAAQMD Cond # 11930, part 5        | Annual Source Test         | Y          | C          |                                   |
| Lead             | BAAQMD 11-1-302            | GLC not to exceed 1.0 ug/cu. m., 24 hr. avg.                               |                                    |                            | Y          | C          |                                   |
| Glass Production | BAAQMD Cond #11930, part 1 | 125,000 ton/yr   | BAAQMD Cond #11930, part 4b and 4c | Record keeping             | Y          | C          |                                   |
| Fuel Flow        | Condition #21614 part 7    |  | Condition #21614 part 7            | Continuous Fuel Flow Meter | Y          | C          |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S 12, GLASS MELTING FURNACE "E" NATURAL GAS FIRED

| Type of limit | Emission Limit Citation | Emission Limit               | Monitoring Requirement Citation             | Monitoring Type                    | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|-------------------------|------------------------------|---|------------------------------------|------------|-------------|-----------------------------------|
| Opacity       | BAAQMD 6-301            | Ringelmann 1.0<br>≤ 3 min/hr | BAAQMD 6-501<br>BAAQMD Cond # 11931, part 6 | Continuous<br>Opacity Monitor      | Y          | C           |                                   |
|               | BAAQMD 6-302            | 20% opacity                  | BAAQMD 6-501<br>BAAQMD Cond # 11931, part 6 | Continuous<br>Opacity Monitor      | Y          | C           |                                   |
| FP            | BAAQMD 6-310            | 0.15 gr/dscf                 | BAAQMD Cond # 11931, part 5                 | Annual Source<br>Test              | Y          | C           |                                   |
|               | BAAQMD 6-310            | 40 lb/hr                     | BAAQMD Cond # 11931, part 5                 | Annual Source<br>Test              | Y          | C           |                                   |
| NOx           | BAAQMD 9-12-301         | 5.5 lb/ton                   | BAAQMD 9-12-405                             | Annual Source<br>Test              | Y          | C           |                                   |
|               | Condition #20003 part 5 | 4.0 lb/ton                   | Condition #20003 part 7                     | Continuous<br>Emissions<br>Monitor | Y          | C           |                                   |
| CO            | Condition #20003 part 6 | 0.7 lb/ton                   | Condition #20003 part 8                     | Annual Source<br>Test              | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S 12, GLASS MELTING FURNACE "E" NATURAL GAS FIRED

| Type of limit    | Emission Limit Citation         | Emission Limit   | Monitoring Requirement Citation | Monitoring Type            | Compliance | Cont or Int | Days out of compliance / Comments |
|------------------|---------------------------------|--|---------------------------------|----------------------------|------------|-------------|-----------------------------------|
| SO2              | BAAQMD 9-1-301                  | GLC of 0.5 ppm for 3 min. or 0.25 ppm for 60 min. or 0.05 ppm for 24 hours |                                 |                            | Y          | C           |                                   |
|                  | BAAQMD 9-1-302                  | Sulfur dioxide emission not to exceed 300 ppm (dry)                        | BAAQMD Cond # 11931, part 4     | Annual Source Test         | Y          | C           |                                   |
| Lead             | BAAQMD 11-1-301                 | 15 lb/day  | BAAQMD Cond # 11930, part 3     | Annual Source Test         | Y          | C           |                                   |
|                  | BAAQMD 11-1-302                 | GLC not to exceed 1.0 ug/cu. m., 24 hr. avg.                               |                                 |                            | Y          | C           |                                   |
| Glass Production | BAAQMD Condition #11931, part 1 | 110,000 ton/yr   | BAAQMD Cond #11931, part 2      | Record keeping             | Y          | C           |                                   |
| Fuel Flow        | Condition #20003, part 7        |  | Condition #20003, part 7        | Continuous Fuel Flow Meter | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S-136, S-25, S-27, S-29, S-30, S-32, & S-33, HOT END BOTTLE SURFACE TREATMENT

| Type of limit | Emission Limit Citation               | Emission Limit  | Monitoring Requirement Citation       | Monitoring Type                | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|---------------------------------------|---|---------------------------------------|--------------------------------|------------|-------------|-----------------------------------|
| Opacity       | BAAQMD<br>6-301                       | Ringelmann 1.0<br>≤= 3 min/hr                                   | BAAQMD<br>6-301                       | Pressure<br>Drop<br>monitoring | Y          | C           |                                   |
|               | BAAQMD<br>6-305                       | Ringelmann 1.0<br>≤= 3 min/hr                                   | BAAQMD<br>6-305                       | Visual                         | Y          | C           |                                   |
| Weight        | BAAQMD<br>6-310                       | 0.15 gr/dscf  | BAAQMD<br>6-310                       | Source Test                    | Y          | C           |                                   |
| Appearance    | BAAQMD<br>6-401                       | Visual  | BAAQMD<br>6-401                       | Visual                         | Y          | C           |                                   |
| Throughput    | BAAQMD<br>Condition<br>#23142, part 1 | 950 gal/yr<br>per source  | BAAQMD<br>Condition<br>#23142, part 1 | Record<br>keeping              | Y          | C           |                                   |
|               | BAAQMD<br>Condition<br>#23142, part 2 | 0.62 #POC/gal.<br>0.55#PM/gal.<br>0.058#HCl/gal.                | BAAQMD<br>Condition<br>#23142, part 2 | Source Test                    | Y          | C           |                                   |
|               | BAAQMD<br>Condition<br>#23142, part 3 | 0.85#NH3/hr   | BAAQMD<br>Condition<br>#23142, part 3 | Source Test                    | Y          | C           |                                   |
|               | BAAQMD<br>Condition<br>#23142, part 4 | 0.62 #POC/gal.<br>0.55#PM/gal.<br>0.058#HCl/gal.<br>0.85#NH3/hr | BAAQMD<br>Condition<br>#23142, part 4 | Record<br>keeping              | Y          | C           |                                   |



# SEMI-ANNUAL TITLE V MONITORING REPORT

**Applicable Limits, Compliance Monitoring Requirements, and Status**  
**S-39, RAW MATERIAL UNLOADING STATION, S-57, ECOLOGY CULLET ELEVATOR,**  
**S-75 to S-77, S-79 to S-81, FORMING MACHINES, S-83 to S-84, FORMING MACHINES**

| Type of limit | Emission Limit Citation | Emission Limit                  | Monitoring Requirement Citation | Monitoring Type             | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|-------------------------|---------------------------------|---------------------------------|-----------------------------|------------|-------------|-----------------------------------|
| Opacity       | BAAQMD 6-301            | Ringelmann 1.0<br>≤/ = 3 min/hr | BAAQMD Condition # 15855 part 2 | Visible emission monitoring | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

**Applicable Limits, Compliance Monitoring Requirements, and Status  
 S-41 & 42, BATCH MIXERS A & B, S-48, LIME STORAGE BINS,  
 S-50, SODA ASH STORAGE BINS, S-52, SAND STORAGE BINS,  
 S-56, CULLET STORAGE BINS, S-58, SALT CAKE STORAGE AREA,**

| Type of limit    | Emission Limit Citation                 | Emission Limit   | Monitoring Requirement Citation               | Monitoring Type             | Compliance | Cont or Int | Days out of compliance / Comments |
|------------------|---|--|---|-----------------------------|------------|-------------|-----------------------------------|
| Opacity          | BAAQMD<br>6-301                         | Ringelmann 1.0<br>≤= 3 min/hr  | BAAQMD<br>Condition # 16591,<br>parts 2 and 3 | Pressure Drop<br>monitoring | Y          | C           |                                   |
|                  | BAAQMD<br>6-301                         | Ringelmann 1.0<br>≤/= 3 min/hr                                       | BAAQMD<br>Condition # 16591,<br>part 4        | Annual<br>inspection        | Y          | C           |                                   |
| FP               | BAAQMD<br>6-310                         | 0.15 gr/dscf   | BAAQMD<br>Condition # 16591,<br>parts 2 and 3 | Pressure Drop<br>monitoring | Y          | C           |                                   |
|                  | BAAQMD<br>6-310                         | 0.15 gr/dscf   | BAAQMD<br>Condition # 16591,<br>part 4        | Annual<br>inspection        | Y          | C           |                                   |
| FP               | BAAQMD<br>6-311                         | 4.10P <sup>0.67</sup> lb/hr,<br>where P is process<br>weight, ton/hr | BAAQMD<br>Condition # 16591,<br>parts 2 and 3 | Pressure Drop<br>monitoring | Y          | C           |                                   |
|                  | BAAQMD<br>6-311                         | 4.10P <sup>0.67</sup> lb/hr,<br>where P is process<br>weight, ton/hr | BAAQMD<br>Condition # 16591,<br>part 4        | Annual<br>inspection        | Y          | C           |                                   |
| Pressure<br>Drop | BAAQMD<br>Condition #<br>16591, parts 2 | 1" - 15" WC  | BAAQMD<br>Condition # 16591,<br>parts 3       | Pressure Drop<br>monitoring | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S-43, CULLETT CRUSHER, S-44, SAND ELEVATOR

| Type of limit | Emission Limit Citation | Emission Limit  | Monitoring Requirement Citation | Monitoring Type | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|-------------------------|---|---------------------------------|-----------------|------------|-------------|-----------------------------------|
| Opacity       | BAAQMD 6-301            | Ringelmann 1.0<br>$\leq 3$ min/hr                                 |                                 |                 | Y          | C           |                                   |
| FP            | BAAQMD 6-310            | 0.15 gr/dscf  |                                 |                 | Y          | C           |                                   |
| FP            | BAAQMD 6-311            | 4.10P <sup>0.67</sup> lb/hr,<br>where P is process weight, ton/hr |                                 |                 | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S-63, MOLD REPAIR SHOP

| Type of limit | Emission Limit Citation | Emission Limit | Monitoring Requirement Citation | Monitoring Type | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|-------------------------|----------------|---------------------------------|-----------------|------------|-------------|-----------------------------------|
| VOC           | none                    | none           | BAAQMD 8-16-501.2               | Record Keeping  | Y          | C           |                                   |

## Applicable Limits, Compliance Monitoring Requirements, and Status S-67, MOLD REPAIR COATING OVEN

| Type of limit | Emission Limit Citation | Emission Limit                       | Monitoring Requirement Citation | Monitoring Type             | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|-------------------------|--------------------------------------|---------------------------------|-----------------------------|------------|-------------|-----------------------------------|
| TSP           | BAAQMD 6-301            | Ringelmann 1.0<br>≤/≠ 3 min/hr       | BAAQMD Cond # 15855 part 2      | Visible emission monitoring | Y          | C           |                                   |
| FP            | BAAQMD 6-310            | 0.15 gr/dscf                         |                                 |                             | Y          | C           |                                   |
| VOC           | BAAQMD 8-2-301          | 15 pounds per day and 300 ppm carbon |                                 |                             | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

## Applicable Limits, Compliance Monitoring Requirements, and Status S-97 BALER

| Type of limit | Emission Limit Citation | Emission Limit   | Monitoring Requirement Citation  | Monitoring Type             | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|-------------------------|--|----------------------------------|-----------------------------|------------|-------------|-----------------------------------|
| Opacity       | BAAQMD 6-301            | Ringelmann 1.0<br>$\leq$ 3 min/hr                              | BAAQMD Condition # 16592, part 3 | Visible emission monitoring | Y          | C           |                                   |
| FP            | BAAQMD 6-310            | 0.15 gr/dscf   | BAAQMD Condition # 16592, part 3 | Visible emission monitoring | Y          | C           |                                   |
|               | BAAQMD 6-311            | 4.10P <sup>0.67</sup> lb/hr, where P is process weight, ton/hr | BAAQMD Condition # 16592, part 3 | Visible emission monitoring | Y          | C           |                                   |

# SEMI-ANNUAL TITLE V MONITORING REPORT

**Applicable Limits, Compliance Monitoring Requirements, and Status**  
**S-130 Emergency Electric Generator, Natural Gas Fired, 188hp**  
**S-131 Diesel Engine, Emergency Standby, 335 hp**  
**S-132 Diesel Engine, Emergency Standby, 610 hp**  
**S-133 Diesel Engine, Emergency Standby, 369 hp**

| Type of limit | Emission Limit Citation | Emission Limit                                     | Monitoring Requirement Citation                   | Monitoring Type             | Compliance | Cont or Int | Days out of compliance / Comments |
|---------------|-------------------------|--|---|-----------------------------|------------|-------------|-----------------------------------|
| Opacity       | BAAQMD 6-303            | Ringelmann 2.0<br>≤/ = 3 min/hr                    | none  | N/A                         | Y          | C           |                                   |
| FP            | BAAQMD 6-305            | Visible Particulates                               | BAAQMD 6-601                                      | Visual Inspection           | Y          | C           |                                   |
|               | BAAQMD 6-310            | 0.15 gr/dscf                                       |   | Visible emission monitoring | Y          | C           |                                   |
| SO2           | BAAQMD 9-1-304          | Sulfur content of liquid fuel <or = 0.5% by weight | BAAQMD 9-1-502 and Condition 22050, parts 4 and 5 | Fuel Certification          | Y          | C           |                                   |
| Records       | BAAQMD 9-8-330          | Hours of Operation                                 | BAAQMD 9-8-530 and Condition 22050, part 1        | Recordkeeping               | Y          | C           |                                   |