PERMIT AMENDMENT NO. 3221-153-0014-V-06-1
ISSUANCE DATE:

Air Quality - Part 70 Operating Permit Amendment

Facility Name: Anchor Glass Container Corporation – Warner Robins Plant
Facility Address: 1044 Booth Road
Warner Robins, Georgia 31088, Houston County
Mailing Address: 1044 Booth Road
Warner Robins, Georgia 31088
Parent/Holding Company: Anchor Glass Container Corporation
Facility AIRS Number: 04-13-153-00014

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

The incorporation of a federal Consent Decree (CD) in the Case 3:18-cv-00943-BJD-JBT, including the installation of NOx and SO2 Continuous Emission Monitoring Systems (CEMS), oxyfuel, and new NOx and SO2 limits on Glass Melting Furnaces Nos. 1 and 2, new PM limits and the construction and operation of scrubber and ESP to control PM from Furnace No. 1.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. 3221-153-0014-V-06-0. Unless modified or revoked, this Amendment expires simultaneously with Permit No. 3221-153-0014-V-06-0. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. 422003 dated November 8, 2019; any other applications upon which this Amendment or Permit No. 3221-153-0014-V-06-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 22 pages.

DRAFT

Richard E. Dunn, Director
Environmental Protection Division
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PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

This modification is to incorporate the requirements of the federal Consent Decree (CD) entered on September 26, 2018 in the United States District Court for the Middle District of Florida that resolved allegations of non-compliance with Clean Air Act requirements at Anchor Glass Container Corporation - Warner Robins Plant.

This modification requires the installation of NO\textsubscript{x} and SO\textsubscript{2} CEMS and new NO\textsubscript{x} and SO\textsubscript{2} limits on the effluent gas steam from Glass Melting Furnace Nos. 1 and 2, new PM limits and the construction and operation of a sorbent injection system (dry scrubber) and electrostatic precipitator on Glass Melting Furnace No. 1. It also requires that Glass Melting Furnace Nos. 1 and 2 use Oxyfuel technology on the furnaces according to the schedule in the CD.
PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1.1 Emission Units

<table>
<thead>
<tr>
<th>Emission Units</th>
<th>Applicable Requirements/Standards</th>
<th>Air Pollution Control Devices</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID No.</td>
<td>Description</td>
<td>ID No.</td>
</tr>
<tr>
<td>EU01</td>
<td>Glass Melting Furnace No. 1</td>
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<tr>
<td></td>
<td>40 CFR 60, Subpart A</td>
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<td>GA Rule 391-3-1-02(2)(g)</td>
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<td>Consent Decree-Case 3:18-cv-00943-BJD-JBT</td>
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<tr>
<td>EU02</td>
<td>Glass Melting Furnace No. 2</td>
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</tr>
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<td>40 CFR 60, Subpart A</td>
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<td>40 CFR 60, Subpart CC</td>
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<td></td>
<td>Consent Decree-Case 3:18-cv-00943-BJD-JBT</td>
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</tbody>
</table>

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards and corresponding permit conditions are intended as a compliance tool and may not be definitive.

3.2 Equipment Emission Caps and Operating Limits

Modified Condition

3.2.1 The Permittee shall not discharge or cause the discharge into the atmosphere from Glass Melting Furnace No. 1 (Source Code: EU01) nitrogen oxides (NO\textsubscript{x}) in amounts exceeding 7.00 pounds per ton of glass produced (lb/ton) for Calendar Year 2018 and for each Calendar Year thereafter until the NO\textsubscript{x} limit in Condition No. 3.2.2 applies. [Consent Decree Paragraph 33, Case 3:18-cv-00943-BJD-JBT]

Modified Condition

3.2.2 The Permittee shall not discharge or cause the discharge into the atmosphere, from Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) any gases which contain NO\textsubscript{x} in excess of 1.2 lb/ton of glass produced on a 30-day rolling average basis, excluding periods of abnormally low production, startup, malfunction, and maintenance of the furnace. [This requirement is effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).] [Consent Decree Paragraph 12, Case 3:18-cv-00943-BJD-JBT]
New Condition
3.2.4 The Permittee shall after the next Cold Tank Repair, but no later than the compliance deadline specified below, only operate the furnaces using Oxyfuel technology.
[Consent Decree Paragraph 7, Case 3:18-cv-00943-BJD-JBT]

<table>
<thead>
<tr>
<th>Compliance Deadline</th>
<th>Furnace</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 26, 2018</td>
<td>Glass Melting Furnace No. 2</td>
</tr>
<tr>
<td>December 31, 2024</td>
<td>Glass Melting Furnace No. 1</td>
</tr>
</tbody>
</table>

New Condition
3.2.5 No later than the deadlines listed in Condition No. 3.2.4, the Permittee shall install, maintain, and operate each Oxyfuel furnace such that the gas that provides the oxidant for combustion of the fuel is at least ninety (90) percent oxygen.
[Consent Decree Paragraph 8, Case 3:18-cv-00943-BJD-JBT]

New Condition
3.2.6 The Permittee may elect to exclude the emissions generated from Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) during abnormally low production day(s) from the 30-day rolling average emission rate. For any day excluded from the 30-day rolling average emission rate, the 24-hour block emission rate shall not exceed the following 24-hour block limits of 564 and 546.2 pounds per day (lb/day), respectively, as demonstrated using a CEMS: {This requirement is effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).}
[Consent Decree Paragraph 13, Case 3:18-cv-00943-BJD-JBT]

\[ NO_{x\text{Oxy Abn}} = 1.2 \frac{lb}{ton} \frac{NO_x}{0.35} \left( \frac{P}{P_{0.35}} \right) \]

Where:

\[ NO_{x\text{ Oxy Abn}} = NO_x \text{ emission limit for an Oxyfuel furnace during an abnormally low production rate day in pounds per day (lb/day).} \]

\[ P = \text{Glass Melting Furnace No. 1 and Glass Melting Furnace No. 2 abnormally low production rate days, 164.5 and 159.3 ton/day, respectively.} \]
New Condition

3.2.7 The Permittee shall limit NOx emission from Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) during furnace startup by meeting the following requirements: (This requirement is effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).)

[Consent Decree Paragraph 14, Case 3:18-cv-00943-BJD-JBT]

a. During the Initial Heating Phase of furnace startup, burn no more than 6.5 million standard cubic feet (MMScf) of natural gas.

b. During the Refractory Soak and Seal Phase of furnace startup, comply with the following requirements:

   i. Burn no more than 75 MMScf of natural gas.

   ii. Limit excess oxygen to below 5.0 percent at the furnace exhaust flue, as determined by a hand-held monitor, once per shift.

   iii. Limit Hot Spot Temperature to 2900 degrees Fahrenheit (°F); and

   iv. Use thermal blankets or similar techniques to minimize air infiltration until all furnace expansion joints are sufficiently closed.

c. During the Furnace Stabilization Phase of furnace startup, comply with the following requirements:

   i. Burn no more than 50 million standard cubic feet of natural gas in that Furnace.

   ii. Limit excess oxygen below 5.0 percent at the Furnace exhaust flue, as determined by handheld monitor, once per shift; and

   iii. Limit Hot Spot Temperature to 2900°F.

New Condition

3.2.8 For any operating day during which a malfunction of Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) occurs for any period of time, the Permittee may elect to exclude that day and the emissions generated during that operating day from the 30-day rolling average emission rate. For any day excluded from the 30-day rolling average emission rate for such a malfunction, the 24-hour block emission rate from Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) shall not exceed the following 24-hour block limits of 2256 and 2184.7 lb/day, respectively, as demonstrated using a CEMS: (This requirement is effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).)

[Consent Decree Paragraph 15, Case 3:18-cv-00943-BJD-JBT]
\[ NO_{x\, oxy\, Malf} = 4 \left( 1.2 \frac{lb\, NO_x}{ton} \right) \left( \frac{P}{0.35} \right) \]

Where:

\[ NO_{x\, oxy\, Malf} = NO_x \text{ emission limit for an Oxyfuel furnace during a malfunction day in pounds per day (lb/day).} \]
\[ P = \text{Glass Melting Furnace No. 1 and Glass Melting Furnace No. 2 abnormally low production rate day, 164.5 and 159.3 ton/day, respectively.} \]

New Condition

3.2.9 For any Operating Day during which Maintenance activities on the Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) are performed, the Permittee may elect to exclude that day and the emissions generated during that Operating Day from the 30-day Rolling Average Emission Rate for that Furnace. For any day excluded from the 30-day rolling average emission rate for such maintenance, the 24-hour block emission rate from the Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: {This requirement is effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).}

[Consent Decree Paragraph 16, Case 3:18-cv-00943-BJD-JBT]

\[ NO_{x\, oxy\, Maint} = \frac{MH}{24} \left[ 4(NO_{x\, oxy\, Abn}) \right] + \frac{NH}{24} \left[ NO_{x\, oxy\, Abn} \right] \]

Where:

\[ NO_{x\, oxy\, Maint} = NO_x \text{ emission limit for Oxyfuel Glass Melting Furnace during a maintenance day, lb/day.} \]
\[ NO_{x\, oxy\, Abn} = \text{NO}_x \text{ emission limit as calculated in Condition No. 3.2.6 for Oxyfuel Glass Melting Furnace during an abnormally low production rate day, lb/day.} \]
\[ MH = \text{Hours of maintenance.} \]
\[ NH = \text{Normal hours=24-MH.} \]

New Condition

3.2.10 The Permittee shall not discharge or cause the discharge into the atmosphere from Glass Melting Furnace No. 1 (source code: EU01), sulfur dioxide (SO₂) in amounts exceeding 3.00 lb/ton of glass produced on a 30-day rolling average basis. Calculation of the 30-day rolling average emission rate may exclude periods of abnormally low production, the first seven (7) days of furnace startup, malfunction, maintenance, and color transition of the furnace. {This requirement is effective September 26, 2018 until the time the final SO₂ limit in Condition No. 3.2.11 becomes effective on December 31, 2024.}

[Consent Decree Paragraph 57, Table 5; Case 3:18-cv-00943-BJD-JBT]
New Condition
3.2.11 No later than December 31, 2024 or the next Cold Tank Repair, the Permittee shall not discharge or cause the discharge into the atmosphere, from Glass Melting Furnace No. 1 (Source Code: EU01) any gases which contain SO₂ in excess of 0.70 lb/ton of glass produced on a 30-day rolling average basis as measured using a certified SO₂ CEMS. Calculation of the 30-day rolling average emission rate may exclude emissions during the following periods in Condition Nos. 3.2.12-3.2.16: the first seven (7) days of furnace startup; control device startup; abnormally low production rate days; malfunction of the scrubber system or ESP; and maintenance of the scrubber system or ESP.

[Consent Decree Paragraph 41, Table 4 and Paragraph 43, Case 3:18-cv-00943-BJD-JBT]

New Condition
3.2.12 After installation of a scrubber system on Glass melting Furnace No.1, the Permittee shall during the first seven (7) days of Glass Melting Furnace No. 1 (Source Code: EU01) startup, limit the amount of sulfur added to the batch materials to 2.6 lb/ton of total batch material (including cullet) or less.

[Consent Decree Paragraph 44, Case 3:18-cv-00943-BJD-JBT]

New Condition
3.2.13 After installation of a scrubber system on Glass melting Furnace No.1 (Source Code: EU01), the Permittee shall during Glass Melting Furnace No. 1 (Source Code: EU01) control device startup period, limit the amount of sulfur added to the batch materials to 2.6 lb/ton of total batch material (including cullet) or less.

[Consent Decree Paragraph 45, Case 3:18-cv-00943-BJD-JBT]

New Condition
3.2.14 After installation of a scrubber system on Glass melting Furnace No.1 (Source Code: EU01), the Permittee may exclude from the 30-day rolling average emission rate, the emissions generated from Glass Melting Furnace No. 1 (Source Code: EU01) during abnormally low production day(s), defined as production equal to or less than 164.5 tons per day (ton/day). For any day excluded from the 30-day rolling average emission rate due to an abnormally low production rate day, the 24-hour block emission rate from the furnace as demonstrated using a CEMS shall not exceed the 24-hour block limit (329.00 lb/day) calculated using the equation below: {This requirement is effective the earlier of December 31, 2024 or the next cold tank repair.}

[Consent Decree Paragraph 46, Case 3:18-cv-00943-BJD-JBT]

\[ SO_{2\text{SS Abn}} = 0.7 \frac{lb}{ton} \left( \frac{P}{0.35} \right) \]

Where:

\[ SO_{2\text{SS Abn}} = \text{SO}_2 \text{ emission limit for a furnace with a Scrubber System during an abnormally low production rate day, lb-SO}_2/\text{day.} \]

\[ P = \text{Glass Melting Furnace No. 1 abnormally low production rate day, 164.5 ton/day.} \]
New Condition

3.2.15 After installation of a scrubber system on Glass melting Furnace No.1 (Source Code: EU01), the Permittee may exclude from the 30-day rolling average emission rate, the emissions generated from Glass Melting Furnace No. 1 (Source Code: EU01) during malfunction of the scrubber system or the ESP. For any day excluded from the 30-day rolling average emission rate due to a malfunction, the 24-hour block emission rate from the furnace as demonstrated using a CEMS shall not exceed the 24-hour block limit (822.50 lb/day) calculated using the equation below: {This requirement is effective the earlier of December 31, 2024 or the next cold tank repair.}

[Consent Decree Paragraph 47, Case 3:18-cv-00943-BJD-JBT]

\[
SO_{2\text{SS Malf}} = 2.5 \left[ \left( \frac{0.7 \ lb SO_2}{\text{ton}} \right) \left( \frac{P}{0.35} \right) \right]
\]

- \(SO_{2\text{SS Abn}}\) = SO\text{2} emission limit for a furnace with a Scrubber System during a malfunction day, lb-SO\text{2}/day.
- \(P\) = Glass Melting Furnace No. 1 abnormally low production rate day, 164.5 ton/day.

New Condition

3.2.16 After installation of a scrubber system on Glass melting Furnace No.1 (Source Code: EU01), the Permittee may exclude from the 30-day rolling average emission rate, the emissions generated from Glass Melting Furnace No. 1 (Source Code: EU01) during maintenance of the scrubber system or ESP. For any day excluded from the 30-day rolling average emission rate due to maintenance, the 24-hour block emission rate from the furnace as demonstrated using a CEMS shall not exceed the following 24-hour block limit: {This requirement is effective the earlier of December 31, 2024 or the next cold tank repair.}

[Consent Decree Paragraph 48, Case 3:18-cv-00943-BJD-JBT]

\[
SO_{2\text{SS Maint}} = \frac{MH}{24} \left[ \left( \frac{0.7 \ lb SO_2}{\text{ton}} \right) \left( \frac{P}{0.35} \right) \right] + \frac{NH}{24} \left[ \left( \frac{0.7 \ lb SO_2}{\text{ton}} \right) \left( \frac{P}{0.35} \right) \right]
\]

- \(SO_{2\text{SS Abn}}\) = SO\text{2} emission limit for a furnace with a Scrubber System during a maintenance day, lb-SO\text{2}/day.
- \(P\) = Glass Melting Furnace No. 1 abnormally low production rate day, 164.5 ton/day.
- \(MH\) = Hours of maintenance.
- \(NH\) = Normal hours=24-MH.

New Condition

3.2.17 The Permittee shall during Glass Melting Furnace No. 2 (Source Code: EU02) startup period, limit the amount of sulfur added to the batch materials to 2.6 lb/ton of total batch material (excluding cullet) or less.

[Consent Decree Paragraph 52, Case 3:18-cv-00943-BJD-JBT]
New Condition
3.2.18 The Permittee shall not discharge or cause the discharge into the atmosphere, from Glass Melting Furnace No. 2 (Source Code: EU02) any gases which contain SO$_2$ in excess of 2.00 and 1.80 lb/ton of glass produced for “colored glass” and “flint or blue glass,” respectively, on a 30-day rolling average basis. Calculation of the 30-day rolling average rate may exclude furnace startup, abnormally low production rate days, malfunction of the furnace, maintenance of the furnace, and color transition. {This requirement is effective September 26, 2018.}

[Consent Decree Paragraph 51, Table 4; Case 3:18-cv-00943-BJD-JBT]

New Condition
3.2.19 The Permittee may exclude from the 30-day rolling average emission rate, the emissions generated from Glass Melting Furnace No. 2 (Source Code: EU02) during any abnormally low production day(s). For any day excluded from the 30-day rolling average emission rate due to abnormally low glass production, the 24-hour block emission rate shall not exceed the 24-hour block limits of 910.3 for colored glass and 819.3 for flint or blue glass (lb/day) as demonstrated using a CEMS: {This requirement is effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).}

[Consent Decree Paragraph 53, Case 3:18-cv-00943-BJD-JBT]

\[
SO_{2BO \text{ Abn}} = Limit \frac{\text{lb} \text{ SO}_2}{\text{ton}} \left( \frac{P}{0.35} \right)
\]

Where:

\[
SO_{2BO \text{ Abn}} = \text{SO}_2 \text{ emission limit for a furnace with Batch Optimization during an abnormally low production rate day, lb-SO}_2/\text{day.}
\]

\[
\text{Limit} = \text{The limit for the applicable furnace, 2.00 lb-SO}_2/\text{ton for colored glass and 1.80 lb-SO}_2/\text{ton for flint or blue glass.}
\]

\[
P = \text{Glass Melting Furnace No. 1 and Glass Melting Furnace No. 2 abnormally low production rate days, 164.5 and 159.3 ton/day, respectively.}
\]
New Condition

3.2.20 The Permittee may exclude from the 30-day rolling average emission rate, the emissions generated during any operating day during which a malfunction of Glass Melting Furnace No. 2 (Source Code: EU02) occurs during any period. For any day excluded from the 30-day rolling average emission rate due to a malfunction, the 24-hour block emission rate shall not exceed the 24-hour block limits of 1137.9 for colored glass and 1024.1 for flint or blue glass, (lb/day) as demonstrated using a CEMS: {This requirement is effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).}

[Consent Decree Paragraph 54, Case 3:18-cv-00943-BJD-JBT]

\[ SO_{2}BO_{Malf} = 1.25 \left( \frac{P}{0.35} \right) \left( \frac{\text{Limit}}{\text{ton}} \right) \]

Where:

- \( SO_{2}BO_{Malf} \) = \( SO_{2} \) emission limit for a furnace with Batch Optimization during a malfunction day, lb-\( SO_{2} / \)day.
- \( \text{Limit} \) = The limit for the applicable furnace, 2.00 lb-\( SO_{2} / \)ton for colored glass and 1.80 lb-\( SO_{2} / \)ton for flint or blue glass.
- \( P \) = Glass Melting Furnace No. 1 and Glass Melting Furnace No. 2 abnormally low production rate days, 164.5 and 159.3 ton/day, respectively.

New Condition

3.2.21 The Permittee may exclude from the 30-day rolling average emission rate, the emissions generated during any operating day when maintenance of Glass Melting Furnace No. 2 (Source Code: EU02) is performed. For any day excluded from the 30-day rolling average emission rate for such maintenance, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limit, as demonstrated using a CEMS: {This requirement is effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).}

[Consent Decree Paragraph 55, Case 3:18-cv-00943-BJD-JBT]

\[ SO_{2}BO_{Maint} = \frac{\text{MH}}{24} \left[ 1.25 \left( \frac{\text{Limit}}{\text{ton}} \right) \left( \frac{P}{0.35} \right) \right] + \frac{\text{NH}}{24} \left[ 1.25 \left( \frac{\text{Limit}}{\text{ton}} \right) \left( \frac{P}{0.35} \right) \right] \]

Where:

- \( SO_{2}BO_{Maint} \) = \( SO_{2} \) emission limit for a furnace with Batch Optimization during a maintenance day, lb-\( SO_{2} / \)day.
- \( \text{Limit} \) = The limit for the applicable furnace, 2.00 lb-\( SO_{2} / \)ton for colored glass and 1.80 lb-\( SO_{2} / \)ton for flint or blue glass.
- \( P \) = Glass Melting Furnace No. 1 and Glass Melting Furnace No. 2 abnormally low production rate days, 164.5 and 159.3 ton/day, respectively.
- \( \text{MH} \) = Hours of maintenance.
- \( \text{NH} \) = Normal hours=24-MH.
3.2.22 The Permittee may exclude from the 30-day rolling average emission rate, the emissions generated during any operating day when a color transition occurs for Glass Melting Furnace No. 2 (Source Code: EU02). For any day excluded from the 30-day rolling average emission rate for a color transition, the 24-hour block emission rate from the furnace shall not exceed the following 24-hour block limits of 1820.6 lb/day for colored glass and 1638.5 lb/day for flint or blue glass as demonstrated using a CEMS: {This requirement is effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).}

[Consent Decree Paragraph 56, Case 3:18-cv-00943-BJD-JBT]

\[
SO_{2\text{BO Col Tran}} = 2\left[\left(\frac{\text{Limit}}{\text{ton}}\right) \left(\frac{P}{0.35}\right)\right]
\]

Where:

- \(SO_{2\text{BO Col Tran}}\) = \(SO_2\) emission limit for a furnace with Batch Optimization during a color transition, lb-\(SO_2\)/day.
- Limit = The limit for the applicable furnace, 2.00 lb-\(SO_2\)/ton for colored glass and 1.80 lb-\(SO_2\)/ton for flint or blue glass.
- \(P\) = Glass Melting Furnace No. 1 and Glass Melting Furnace No. 2 abnormally low production rate days, 164.5 and 159.3 ton/day, respectively.

New Condition
3.2.23 The Permittee shall not discharge or cause the discharge into the atmosphere, from Glass Melting Furnace No. 1 (Source Code: EU01) any gases which contain filterable PM in excess of 0.20 lb/ton of glass produced and total PM in excess of 0.45 lb/ton of glass produced. The Permittee shall operate the furnace by passing all stack gases through the electrostatic precipitator (ESP) except during the first seven (7) days of furnace startup, control device startup, malfunction of the ESP, or maintenance of the ESP. {This requirement is effective the earlier of December 31, 2024 or the next cold tank repair.}

[Consent Decree Paragraph 69, Table 6; Case 3:18-cv-00943-BJD-JBT]

New Condition
3.2.24 For Glass Melting Furnace No. 2 (Source Code: EU02) which is currently out of operation, the Permittee shall not resume operation unless and until \(NO_x\) and \(SO_2\) CEMS have been installed.

[Consent Decree Paragraphs 36 and 64, Case 3:18-cv-00943-BJD-JBT]

New Condition
3.2.25 The definitions in the Consent Decree are hereby incorporated by reference into this permit in their entirety.

[Consent Decree Paragraph 6, Case 3:18-cv-00943-BJD-JBT]
New Condition
3.2.26 In the event of any discrepancy between the terms of the Consent Decree Case 3:18-cv-00943-BJD-JBT and conditions in this Permit that derive from the Consent Decree, the terms of the Consent Decree shall control.
[Consent Decree Case 3:18-cv-00943-BJD-JBT]

New Condition
3.2.27 At all times, including during Abnormally Low Production Rate Days, a Furnace Startup, a Control Device Startup, Malfunction of any Furnace, Malfunction of any Control Device, Maintenance of any Furnace, Maintenance of any Control Device, and Color Transition, the Permittee shall, in accordance with 40 CFR 60.1l(d), maintain and operate all Furnaces and maintain and continuously operate all Control Devices and any other associated air pollution control equipment in a manner consistent with good air pollution control practices to minimize emissions.
[Consent Decree Paragraph 81, Case 3:18-cv-00943-BJD-JBT]

3.3 Equipment Federal Rule Standards

Modified Condition
3.3.2 The Permittee shall not discharge or cause the discharge into the atmosphere, from Glass Melting Furnace No. 1 (source code: EU01) or Glass Melting Furnace No. 2 (source code: EU02), particulate matter (PM) in amounts exceeding 1.00 lb/ton of glass produced. For Glass Melting Furnace No. 1, the 1.00 lb/ton of glass produced shall be an interim limit until December 31, 2024 when the final limits in Condition No. 3.2.23 shall control.
[Subpart CC - 40 CFR 60.293(b)(1)]
PART 4.0 REQUIREMENTS FOR TESTING

4.2 Specific Testing Requirements

Modified Condition

4.2.1 The Permittee shall, at a minimum, conduct annual PM emission performance tests on Glass Melting Furnace No. 1 (Source Code: EU01) to demonstrate compliance with the emission limits in Condition Nos. 3.2.23 and 3.3.2. The tests shall be conducted at the maximum anticipated annual operating capacity of Glass Melting Furnace No. 1 (The Division may approve conducting performance tests at lower production rates which are better representative of operating conditions).

[391-3-1-.02(6)(b)1 and 40 CFR70.6(a)(3)(i)]

Modified Condition

4.2.2 The Permittee shall conduct annual performance tests for PM emissions from Glass Melting Furnace No. 2 (source code: EU02) to demonstrate compliance with the emission limits in Condition No. 3.3.2. The tests shall be conducted at the maximum anticipated annual operating capacity of Glass Melting Furnace No. 2 (The Division may approve conducting performance tests at lower production rates which are better representative of operating conditions).

[391-3-1-.02(6)(b)1 and 40 CFR70.6(a)(3)(i)]

New Condition

4.2.8 The Permittee shall use CEMS as the compliance determination method for NO\textsubscript{x} and SO\textsubscript{2} emissions from Glass Melting Furnace No. 1 (Source Code: EU01), effective September 26, 2020, and for Glass Melting Furnace No. 2 (Source Code: EU02), effective September 26, 2019 as follows:

[391-3-1-.02(6)(b)1, Consent Decree Paragraphs 36 and 64; Case 3:18-cv-00943-BJD-JBT]

a. The Permittee shall determine compliance with the NO\textsubscript{x} and SO\textsubscript{2} emission standards in Conditions Nos. 3.2.2 and 3.2.11 on a continuous basis using a 30-day rolling average emission rate. A new 30-day rolling average emission rate is calculated for each Operating Day as the average of all of the valid daily NO\textsubscript{x} and SO\textsubscript{2} emission data for the preceding 30 Operating Days and shall exclude periods of abnormally low production, startup, malfunction, and maintenance of the furnace.
PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

Modified Condition

5.2.1 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated pollutants on the following equipment. Each system shall meet the applicable performance specification(s) of the Division’s monitoring requirements.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. A CEMS for measuring NO\textsubscript{x} emissions discharged to the atmosphere from each of Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) in accordance with the deadlines in subparagraph f below.
[Consent Decree Paragraphs 36 and 64; Case 3:18-cv-00943-BJD-JBT]

b. A CEMS for measuring SO\textsubscript{2} emissions discharged to the atmosphere from each of Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) in accordance with the deadlines in subparagraph f below.
[Consent Decree Paragraphs 36 and 64; Case 3:18-cv-00943-BJD-JBT]

c. A Continuous Opacity Monitoring System (COMS) for measuring visible emissions discharged from each Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02).
[Subpart CC-40 CFR 60.293(c)(1)]

d. The NO\textsubscript{x} and SO\textsubscript{2} CEMS must monitor and record the hourly NO\textsubscript{x} and SO\textsubscript{2} emission concentrations in parts per million (ppm) during each Operating Day at each Furnace. NO\textsubscript{x} and SO\textsubscript{2} CEMS shall be installed, calibrated, certified, maintained, and operated in accordance with 40 CFR 60.13, (including but not limited to the 40 CFR 60.13(h) provisions regarding data reduction, and the provisions for validating partial operating hours which shall apply), 40 CFR Part 60, Appendix B (Performance Specification 2), and 40 CFR Part 60, Appendix F (Quality Assurance Procedures).
[Consent Decree Paragraph 75, Case 3:18-cv-00943-BJD-JBT]

e. After the date by which a CEMS is required to be installed at a Furnace, and except during analyzer malfunctions, repairs, and required quality assurance or quality control activities (including calibration checks, and required zero and span adjustments), the NO\textsubscript{x} and SO\textsubscript{2} CEMS shall be in continuous operation. The Permittee shall take all steps necessary to minimize CEMS downtime. This shall include, but is not limited to, operating and maintaining the CEMS in accordance with best practices and maintaining an on-site inventory of spare parts or other supplies necessary to make rapid repairs to the equipment.
[Consent Decree Paragraph 76, Case 3:18-cv-00943-BJD-JBT]
f. The first CEMS Certification for each CEMS shall be completed no later than the following deadlines:
[Consent Decree Paragraph 77, Case 3:18-cv-00943-BJD-JBT]

<table>
<thead>
<tr>
<th>Furnace</th>
<th>Pollutants</th>
<th>Compliance Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Melting Furnace No. 1</td>
<td>NOₓ/SO₂</td>
<td>September 26, 2020</td>
</tr>
<tr>
<td>Glass Melting Furnace No. 2</td>
<td>NOₓ/SO₂</td>
<td>September 26, 2019</td>
</tr>
</tbody>
</table>

g. The data acquisition and handling system for the CEMS shall convert the ppm values generated by each analyzer into pounds per hour using an O₂ CEMS or a flow monitor installed, calibrated, certified, maintained, and operated in accordance with 40 CFR 60.13 (including but not limited to the 40 CFR 60.13(h) provisions regarding data reduction, and the provisions for validating partial operating hours which shall apply), 40 CFR Part 60, Appendix B (Performance Specification 3 or 6, as applicable) and 40 CFR Part 60, Appendix F (Quality Assurance Procedures). At the end of each Operating Day, the data acquisition and handling system shall calculate and record the 24-hour Block Emission Rate for that Operating Day, and divide the calculated 24-hour Block Emission Rate by the total tons of glass produced during the Operating Day to describe the pound per ton emission rate for the Operating Day. The resulting number, in units of pounds of pollutant per ton of glass produced for the applicable Operating Day, shall also be recorded.
[Consent Decree Paragraph 78, Case 3:18-cv-00943-BJD-JBT]

h. The Permittee shall not perform CEMS Certification or CEMS re-Certifications during Abnormally Low Production Rate Days, Furnace Startup, Control Device Startup, Malfunction of any Furnace, Malfunction of any Control Device, Maintenance of any Furnace, Maintenance of any Control Device, or Color Transition. If a CEMS Certification Event occurs at any Furnace, the requirement to demonstrate compliance continuously with the applicable final NOₓ or SO₂ emission limit for that Furnace will be suspended until CEMS Certification or CEMS re-Certification is complete (provided that the seven-day test required for CEMS Certification is commenced on the first Operating Day following the conclusion of the CEMS Certification Event).
[Consent Decree Paragraph 79, Case 3:18-cv-00943-BJD-JBT]

i. Events that will trigger subsequent CEMS Certification (or CEMS re-Certification) include any Furnace Startup or Control Device Startup. The Permittee shall commence such CEMS re-Certification no later than the first Operating Day after a Furnace Startup concludes or a Control Device Startup period concludes. If a Furnace Startup and a Control Device Startup happen at the same time, then the CEMS re-certification shall not be conducted until the first Operating Day after the later startup event concludes.
[Consent Decree Paragraph 80, Case 3:18-cv-00943-BJD-JBT]

For the purpose of this Permit, an operating day is a 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time. It is not necessary for the fuel to be combusted continuously for the entire 24-hour period. After the first 30-day average, a new 30-day rolling average shall be calculated after each operating
day. These records (including calculations) shall be maintained as part of the monthly record suitable for inspection or submittal.

Modified Condition
5.2.2 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i); Consent Decree Paragraph 8, Case 3:18-cv-00943-BJD-JBT]

a. Oxygen input rate in standard cubic feet per hour (SCFH) into the combustion air for Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU01).

[40 CFR 52.21 Avoidance for NO\textsubscript{x}, Glass Melting Furnace No. 1]

New Condition
5.2.3 Any Operating Day that is excluded from the applicable 30-day Rolling Average Emission Rate because of Maintenance being performed on a Control Device or Furnace is subject to the following restrictions and must comply with the following requirements:

[Consent Decree Paragraph 82, Case 3:18-cv-00943-BJD-JBT]

a. Scheduled or preventive Furnace Maintenance, including checker raking and burning, shall not exceed ninety-six (96) Operating hours annually and shall be conducted only when all downstream Control Devices required by this Consent Decree (Scrubber System, ESP, etc.) are operating.

b. Scheduled or preventive Maintenance of Control Devices shall occur and shall be completed only while the Furnace(s) connected to the Control Device(s) is not Operating, unless the Furnace connected to the Control Device is scheduled to have a Continuous Operating Year. During a Continuous Operating Year, scheduled or preventive Maintenance on Control Devices may be conducted while the Furnace(s) connected to the Control Device(s) is Operating. All Control Device Maintenance occurring during a Continuous Operating Year must also be performed in accordance with the following requirements:

i. Maintenance lasting greater than twenty-four (24) consecutive hours shall occur only during Abnormally Low Production Rate Days.

ii. Bypassing of any Control Device or Control Devices for the purpose of preventive Maintenance shall not exceed one hundred forty-four (144) total hours per Calendar Year, per Furnace for NO\textsubscript{x} or SO\textsubscript{2}, or six (6) Days per Calendar Year, per Furnace for PM (in accordance with NSPS Subpart CC).

iii. If an ESP is bypassed, the associated Scrubber System must be bypassed as well.
New Condition

5.2.4 When circumstances that could be claimed as Abnormally Low Production Rate Days, Furnace Startup, Control Device Startup, Malfunction of any Furnace, Malfunction of any Control Device, Maintenance of any Furnace, Maintenance of any Control Device, or Color Transition occur in the same Day, the Permittee may choose which one of these alternative applicable limits to apply.

[Consent Decree Paragraph 83, Case 3:18-cv-00943-BJD-JBT]
PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.1 General Record Keeping and Reporting Requirements

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

[a. – No Changes]

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

[i. through ii. – No Changes]

Modified Condition

iii. Any 30-day rolling average NOx emission rate, which exceeds the limit established by Condition No. 3.2.2 for Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02). {Effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02).}

[Consent Decree Paragraph 12, Case 3:18-cv-00943-BJD-JBT]

Modified Condition

iv. Any 24-hr block NOx emission rate, which exceeds the limit established by Condition No. 3.2.6 for Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) during abnormally low production day(s). {Effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02)}. 

[Consent Decree Paragraph 13, Case 3:18-cv-00943-BJD-JBT]
Modified Condition

v. Any 24-hr block NO\textsubscript{x} emission rate, which exceeds the limit established by Condition No. 3.2.8 for Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) during malfunction of the furnace. (Effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02)).

[Consent Decree Paragraph 15, Case 3:18-cv-00943-BJD-JBT]

New Condition

vi. Any 24-hr block NO\textsubscript{x} emission rate, which exceeds the limit established by Condition No. 3.2.9 for Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) during maintenance of the furnace. (Effective December 31, 2024 for Glass Melting Furnace No. 1 (Source Code: EU01) and effective September 26, 2018 for Glass Melting Furnace No. 2 (Source Code: EU02)).

[Consent Decree Paragraph 16, Case 3:18-cv-00943-BJD-JBT]

New Condition

vii. Any 30-day rolling average SO\textsubscript{2} emission rate, which exceeds the interim limit established by Condition No. 3.2.10 for Glass Melting Furnace No. 1 (Source Code: EU01). (Effective September 26, 2018 and before December 31, 2024 when final SO\textsubscript{2} limit becomes applicable.)

[Consent Decree Paragraph 57, Table 5; Case 3:18-cv-00943-BJD-JBT]

New Condition

viii. Any 30-day rolling average SO\textsubscript{2} emission rate, which exceeds the final limit established by Condition No. 3.2.11 for Glass Melting Furnace No. 1 (Source Code: EU01). (Effective the earlier of December 31, 2024 or the next cold tank repair.)

[Consent Decree Paragraph 41, Table 4 and Paragraph 43, Case 3:18-cv-00943-BJD-JBT]

New Condition

ix. Any time during the first seven (7) days of Glass Melting Furnace No. 1, with a scrubber system, startup when the amount of sulfur added to the batch materials exceeds the limit in Condition No. 3.2.12. (Effective the earlier of December 31, 2024 or the next cold tank repair.)

[Consent Decree Paragraph 44, Case 3:18-cv-00943-BJD-JBT]

New Condition

x. Any time during the startup of the scrubber system or ESP on Glass Melting Furnace No. 1 when the amount of sulfur added to the batch materials exceeds the limit in Condition No. 3.2.13. (Effective the earlier of December 31, 2024 or the next cold tank repair.)

[Consent Decree Paragraph 45, Case 3:18-cv-00943-BJD-JBT]
New Condition

xi. Any 24-hr block SO₂ emission rate, which exceeds the limit established by Condition No. 3.2.14 for Glass Melting Furnace No. 1 (Source Code: EU01) during abnormally low production day(s). {Effective the earlier of December 31, 2024 or the next cold tank repair.}
[Consent Decree Paragraph 46, Case 3:18-cv-00943-BJD-JBT]

New Condition

xii. Any 24-hr block SO₂ emission rate, which exceeds the limit established by Condition No. 3.2.15 for Glass Melting Furnace No. 1 (Source Code: EU01) during malfunction of the scrubber system or the ESP. {Effective the earlier of December 31, 2024 or the next cold tank repair.}
[Consent Decree Paragraph 47, Case 3:18-cv-00943-BJD-JBT]

New Condition

xiii. Any 24-hr block SO₂ emission rate, which exceeds the limit established by Condition No. 3.2.16 for Glass Melting Furnace No. 1 (Source Code: EU01) during maintenance of the scrubber system or the ESP. {Effective the earlier of December 31, 2024 or the next cold tank repair.}
[Consent Decree Paragraph 48, Case 3:18-cv-00943-BJD-JBT]

New Condition

xiv. Any time during the startup of Glass Melting Furnace No. 2 (Source Code: EU02) when the amount of sulfur added to the batch materials exceed the limit in Condition No. 3.2.17. {Effective September 26, 2018.}
[Consent Decree Paragraph 52, Case 3:18-cv-00943-BJD-JBT]

New Condition

xv. Any 30-day rolling average emission rate of SO₂ emitted from Glass Melting Furnace No. 2 during production of colored, flint or blue glass that exceeds the limits in Condition No. 3.2.18. {Effective September 26, 2018.}
[Consent Decree Paragraph 51, Table 4; Case 3:18-cv-00943-BJD-JBT]

New Condition

xvi. Any 24-hr block SO₂ emission rate that the Permittee elects to exclude from the 30-day rolling average, which exceeds the limits established by Condition No. 3.2.19 for Glass Melting Furnace No. 2 (Source Code: EU02) during abnormally low production day(s). {Effective September 26, 2018.}
[Consent Decree Paragraph 53, Case 3:18-cv-00943-BJD-JBT]
Title V Permit Amendment
Anchor Glass Container Corporation – Warner Robins Plant
Permit No.: 3221-153-0014-V-06-1

New Condition
xvii. Any 24-hr block SO₂ emission rate that the Permittee elects to exclude from the 30-day rolling average, which exceeds the limit established by Condition No. 3.2.20 for Glass Melting Furnace No. 2 (Source Code: EU02) during malfunction of the furnace. {Effective September 26, 2018.}
[Consent Decree Paragraph 54, Case 3:18-cv-00943-BJD-JBT]

New Condition
xviii. Any 24-hr block SO₂ emission rate that the Permittee elects to exclude from the 30-day rolling average, which exceeds the limit established by Condition No. 3.2.21 for Glass Melting Furnace No. 2 (Source Code: EU02) during maintenance of the furnace. {Effective September 26, 2018.}
[Consent Decree Paragraph 54, Case 3:18-cv-00943-BJD-JBT]

New Condition
xix. Any 24-hr block SO₂ emission rate that the Permittee elects to exclude from the 30-day rolling average, which exceeds the limit established by Condition No. 3.2.22 for Glass Melting Furnace No. 2 (Source Code: EU02) during any operating day when a color transition occurs for the furnace. {Effective September 26, 2018.}
[Consent Decree Paragraph 56, Case 3:18-cv-00943-BJD-JBT]

New Condition
xx. Any filterable PM or total PM emissions from Furnace No. 1 that exceeds the limits in Condition No. 3.2.23. {Effective the earlier of December 31, 2024 or the next cold tank repair.}
[Consent Decree Paragraph 69, Table 6; Case 3:18-cv-00943-BJD-JBT]

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

Modified Condition
i. [Deleted upon the installation of Oxyfuel on Glass Melting Furnace No. 1 (Source Code: EU01) which is scheduled for no later than December 31, 2024.]

6.2 Specific Record Keeping and Reporting Requirements

Deleted Conditions
6.2.2 [Deleted upon the installation of Oxyfuel on Glass Melting Furnace No. 1 (Source Code: EU01) which is scheduled for no later than December 31, 2024.]

6.2.3 [Deleted upon the SO₂ CEMS certification for Glass Melting Furnace No. 2 (Source Code: EU02)].

6.2.4 [Deleted upon the SO₂ CEMS certification for Glass Melting Furnace No. 2 (Source Code: EU02)].
6.2.5 [Deleted]

New Condition

6.2.6 For Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) the Permittee shall record:
[Consent Decree Paragraph 90, Case 3:18-cv-00943-BJD-JBT]

a. The hourly NO$_x$ emissions (lb/hr) as calculated using CEMS data.

b. The hourly SO$_2$ emissions (lb/hr) as calculated using CEMS data.

c. The daily production (glass pulled) rate (lb/day).

d. The 30-day rolling average emission rate (lb/ton).

e. All results from source tests conducted pursuant to the Consent Decree in Case 3:18-cv-00943-BJD-JBT.

New Condition

6.2.7 The Permittee shall for any operating day(s) excluded from the relevant 30-day rolling average emission rate for NO$_x$ and SO$_2$ record:
[Consent Decree Paragraph 91, Case 3:18-cv-00943-BJD-JBT]

a. The date.

b. The relevant exception pursuant to which the Permittee is excluding the emissions generated during that operating day (i.e., Abnormally Low Production Rate Day, Furnace Startup, Control Device Startup, Malfunction of a Furnace, Malfunction of a Control Device, Maintenance of a Furnace, Maintenance of a Control Device, or Color Transition).

c. A calculation of the applicable emission limit (lb NO$_x$ and/or SO$_2$/day) according to Conditions Nos. 3.2.6, 3.2.8, 3.2.9, 3.2.14, 3.2.15, 3.2.16, 3.2.19, 3.2.20, 3.2.21, and 3.2.22.

d. The 24-hour Block Emission Rate calculated using data recorded by the CEMS (lb NO$_x$ and/or SO$_2$/day).

e. If it was a Malfunction of a Furnace or Malfunction of a Control Device, an explanation and any corrective actions taken.

f. If the operating day(s) was excluded for Maintenance of a Furnace or Maintenance of a Control Device, the total number of hours during which Maintenance occurred.
New Condition
6.2.8 The Permittee shall keep the following records during Glass Melting Furnace No. 1 (Source Code: EU01) and Glass Melting Furnace No. 2 (Source Code: EU02) startup:
[Consent Decree Paragraph 92, Case 3:18-cv-00943-BJD-JBT]

a. The amount of salt cake added to the batch materials in pounds per ton of total batch material (including cullet).

b. The total natural gas usage in that Furnace (in million standard cubic feet).

c. The excess oxygen percentage (as measured and recorded by the oxygen sensor in the crown of each Furnace regenerator at least once per shift).

d. Hot Spot Temperature (measured once per shift).

e. A description of whether thermal blankets or similar techniques were used during this period.

New Condition
6.2.9 The Permittee shall submit to the Division within fifteen (15) days of restart, a written notice of the date of restart of Glass Melting Furnace No. 2 (Source Code: EU02).
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

New Condition
6.2.10 The Permittee shall submit a written report to the Division within sixty (60) days after the startup of the ESP scheduled for no later than December 31, 2024, the parameters of the ESP which controls the PM emissions from Glass Melting Furnace No. 1 (Source Code: EU01) to be monitored and the acceptable range for each parameter that assures that the ESP is functioning properly and operating according to the manufacturer’s recommendations.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]