Missouri Department of NATURAL RESOURCES
dnr.mo.gov
Michael L. Parson, Governor
Carol S. Comer, Director

SEP 18 2019

Ms. Robin Edmiston-Bennett
ISB Environmental Network Leader
Owens Corning Insulation Systems, LLC
400 Case Avenue
Newark, OH 43055

RE: New Source Review Permit Amendment – Permit Number: 052016-003F
Project Number: 2019-03-062; Installation Number: 097-0176

Dear Ms. Edmiston-Bennett:

Owens Corning Insulation Systems, LLC (OCIS) operates a mineral wool insulation manufacturing facility in Joplin, Missouri. The installation was originally issued a Section (8) Prevention of Significant Deterioration (PSD) construction permit (052016-003) in May of 2016, which has since been amended five times for various reasons. A Part 70 Operating Permit is currently under review by the Air Pollution Control Program.

On March 29, 2019, the Air Pollution Control Program received a request for another amendment to Construction Permit No. 052016-005. OCIS is proposing to replace the existing blast air system for the Cupola with a new standalone blast air system. OCIS is also proposing to make changes to the Cupola exhaust handling system and to replace two existing sorbent storage silos with identical storage silos. A detailed description of the project is as follows:

Blast Air System
The blast air system provides combustion air for the Cupola. The system includes a small burner that operates on natural gas. Currently, the blast air system burner vents through the Cupola and is permitted as part of the Cupola system (EU-05a). OCIS is planning to replace the blast air system. Following the replacement, the new system will not vent through the Cupola but instead, it will vent out its own stack. The new blast air system will utilize a 20 MMBtu/hr low-NO_x natural gas burner, which will be separate from the Cupola and will constitute a new emission unit (EU-05a1). These changes to the blast air system are represented in Special Condition 1.A. The addition of a new stack will not affect the applicability of the current modeling results because the new stack will be proximate to the Cupola stack, and the total emission rate is expected to remain the same. The new burner will be governed by the same BACT protocols as the old burner because the overall process is not changing and the new burner can be effectively grouped with the Cupola, as was previously done. The existing BACT limits will remain valid, and any conceivable changes to emission parameters were considered negligible.

Cupola Gas Handling System
The Cupola exhaust gas is treated before being released to the atmosphere. OCIS is planning to make the following changes to the Cupola gas handling system; however, there will be no changes to the temporary BACT limits for the Cupola as a result of changes to the gas handling system. These changes to the Cupola gas handling system are represented in Special Condition 1.E.

- Remove one burner and relocate another burner on the thermal oxidizer (CD-02).
- Remove the heat exchangers and change the gas cooling system. The exhaust from the thermal oxidizer will no longer pass through a heat exchanger; rather, the exhaust will be treated in a cooling chamber with cooling air and water to generate lower gas temperatures that will be more effective with the updated dry sorbent system. The lower temperatures will result in larger gas volumes going through the system; however, the increased volume will not impact the potential emissions, since they are based on BACT limits (lb/ton and lb/hr) which are not changing. This also means that the current modeling results are not expected to be negatively affected, since increased gas volumes at the same emission rates could potentially increase dispersion, making the current model more conservative.
- Updating the dry sorbent injection (DSI) system. OCIS will add a DSI tower (CD-03) followed by a new baghouse (CD-04a). The additional equipment will improve overall performance of the DSI system with respect to the control of sulfur compounds and will reduce the impact of the DSI system on Cupola operations. Special Condition 1.E.5)a) of Construction Permit No. 052016-003A states that the DSI system shall consist of two injection locations, one between the thermal oxidizer and heat exchanger, and the other between the heat exchanger and Cupola baghouse (CD-04). OCIS is planning to inject sorbent both before the DSI tower and after the new baghouse, but before the final baghouse (CD-04). This change requires a revision of the special condition.

Sorbent Storage Silos

There are currently two silos (EU-06.0 and EU-06.1) that store sorbent for use in the Cupola DSI system. Both silos have bag filters on the vents to control particulate emissions. OCIS is planning to replace the silos with new, similar silos and bag filters. Operation of the silos and control devices will not be changing; therefore, the potential emissions are expected to remain the same; however, OCIS has been evaluating the best alternative sorbent for the control of sulfur compounds. Special Condition 15 of Construction Permit No. 052013-003 imposes receiving limits for the specific sorbents lime and sodium bicarbonate. OCIS is requesting to change the specific sorbents listed in the special condition to a more generic "sorbent." This will allow flexibility in sorbent selection, while not impacting potential emissions, since they are based on BACT limits (scfm and gr/dscf) which are not changing. These changes to the sorbent storage silos are represented in Special Condition 15.A.1) and 15.B.2).

This amendment will affect Special Conditions 1 and 15, which were originally included in Construction Permit No. 052016-003. Parts of these special conditions were later revised in subsequent amendments, and only the individual affected sections were updated. In an effort to clarify the most current information and collectively organize all separately amended parts of the special conditions, this amendment will include all of Special Conditions 1 and 15.

Several sections of Special Conditions 1 and 15 contain confidential design rates and limits, as previously granted to OCIS according to 10 CSR 10-6.210 *Confidential Information*. This information was kept confidential in this amendment, as well, because it has already been deemed confidential in Construction Permit No. 052016-003 and its subsequent amendments, and none of the values are changing. This is the public version of the amendment. A confidential version is available under Project No. 2019-05-012.

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission, whose contact information is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.oa.mo.gov/ahc.

If you have any questions regarding this amendment, please contact Ryan Schott, at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Kendall B. Hale

Kendall B. Hale
Permits Section Chief

KBH:rsj

Enclosures

c: Southwest Regional Office
PAMS File: 2019-03-062

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted to the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (3)(E). "Conditions required by permitting authority."

Owens Corning Insulating Systems, LLC
Jasper County (S11, T27N, R34W)

Superseding Condition

The conditions of this permit supersede the special conditions of the following construction permits previously issued by the Air Pollution Control Program:

- Construction Permit No. 052013-003C Special Condition 1
- Construction Permit No. 052013-003A Special Condition 1
- Construction Permit No. 052013-003E Special Condition 15
- Construction Permit No. 052013-003 Special Condition 15

1. Cupola (EU-05a)

A. The fuel shall exclusively consist of any combination of metallurgical coke, carbon-based anodes, and natural gas. The Cupola startup burner and the blast air system burner shall be fired exclusively with natural gas. Solid fuel usage shall not exceed [redacted] tons per hour at any time or [redacted] tons in any consecutive 12-month period.

1) OCIS shall install and operate a weigh belt/hopper or other means to continuously monitor and record solid fuel usage.

2) Coke sulfur content shall not exceed [redacted]% by weight at any time. Anode sulfur content shall not exceed [redacted]% by weight at any time.

3) Anodes shall not exceed [redacted]% by weight of the fuel mix at any time or [redacted]% by weight of the fuel mix on a 12-month rolling average.

4) OCIS shall keep vendor records on site that are representative of each solid fuel type and include the fuel's sulfur content. Any change of materials or vendors will require OCIS to obtain new vendor records. As an alternative to the sulfur content listed in vendor records, OCIS may conduct representative sulfur content testing on each solid fuel delivery.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

5) OCIS shall record the anode type (e.g. green, baked, spent) and industry (e.g. primary aluminum, chlorine, silicon, ferroalloy, calcium carbide, yellow phosphorus). OCIS shall calculate the potential to emit for any change in anode type from spent primary aluminum prior to its usage. A project potential to emit that exceeds the values in 10 CSR 10-6.061(3)(A)3 requires a new construction permit prior to using the new type of anode/industry.

B. The melt material charge rate (total charge minus fuel) shall not exceed [redacted] tons per hour at any time or [redacted] tons in any consecutive 12-month period. OCIS shall install and operate a weigh belt/hopper or other means to continuously monitor and record the charge rate.

C. The charge shall exclusively consist of any combination of iron/steel furnace slag, copper smelting slag, feldspar, basalt (trap rock), dolomite, limestone, and briquettes (shot bricks) consisting of up to three materials: recycled blowing chamber shot, mineral wool fibers, and Portland cement. The Cupola bottom may be lined with any combination of minimal amounts of sand, wood, cardboard, or mineral wool. These liner materials shall only be used for a cold startup to protect the Cupola bottom from falling charge and fuel.

1) The following compositions (by weight percent) shall not be exceeded:
   a) Iron/steel furnace slag: [redacted]% chromium, [redacted]% manganese, [redacted]% sulfur
   b) Copper slag: [redacted]% chromium, [redacted]% manganese, [redacted]% sulfur
   c) Feldspar: [redacted]% manganese
   d) Basalt (trap rock): [redacted]% chromium, [redacted]% manganese
   e) Briquettes (shot bricks): [redacted]% shot sulfur, [redacted]% cement sulfur
2) OCIS shall keep vendor records on site that are representative of each charge material type and include the charge material's composition. Any change of materials or vendors will require OCIS to obtain new vendor records. As an alternative to the composition listed in vendor records, OCIS may conduct representative composition testing on each charge material delivery.
3) OCIS shall keep records on site of the usage rate, date, and time of each charge material and liner.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

D. The Cupola shall not be operated more than [redacted] hours (inclusive of startup and shutdown) on a 12-month rolling average. The Cupola startup burner shall only be used during startup and shall not be operated more than [redacted] hours on a 12-month rolling average.
   1) The total startup, normal operation, and shutdown time shall be continuously recorded. The three modes of operation shall be indicated.
   2) Startup and shutdown shall have the same definitions as provided in 40 CFR 63 Subpart DDD.
   3) OCIS shall not receive anodes into the combined coke/anode bunker for 24 hours prior to a planned shutdown and shall only commence receipt of anodes into the combine coke/anode bunker after a planned startup. The anodes shall only be charged from the designated coke/anode bunker and designated coke/anode day bin in the mix building. OCIS shall keep records on site comparing planned startup and shutdown dates and times with anode receipt dates and times.
   4) OCIS shall record all planned versus unplanned startups and shutdowns.

E. All emissions from the conveyor transfer (BC-10) into the Cupola receiving hopper (EU-02.13), Cupola receiving hopper (EU-05.5), Cupola startup burner (EU-05f), and Cupola (EU-05a) shall be captured and controlled by the following, in series:
   1) Good combustion practices – including, but not limited to:
      a) Combustion tuning, combustion temperature, air/fuel mixing
      b) OCIS shall develop a written log of good combustion practices for the Cupola startup burner and Cupola, including the following items. The log shall be kept on site, and a copy shall be submitted with all operating permit renewal applications.
         i. Manufacturer's specifications for the above parameters, site specifications for the above parameters obtained through stack testing, CEMS data, operational experience, etc.
         ii. Criteria for monitoring, inspecting, preventative maintenance, and training
         iii. Incidents of malfunction with impact on emissions, duration of event, probable cause, and corrective actions

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

iv. Recommended frequency and dates performed of all above schedules, incidents, activities, and actions

2) Maximum energy efficiency – including, but not limited to:
   a) Heat recovery/preheated air
   b) Recycled material usage (as available)
   c) Oxygen supplementation
   d) Cupola shall reflective and mass insulation
   e) Minimization of air infiltration into the Cupola
   f) Insulating steam and condensate lines and fittings
   g) Mechanical transport systems (where possible), high efficiency fans, optimization of compressed air systems, efficient lighting
   h) OCIS shall develop a written energy efficiency log, including the following items. The log shall be kept on site, and a copy shall be submitted with all operating permit renewal applications
      i. Manufacturer's specifications for the above parameters, site specifications for the above parameters obtained through stack testing, CEMS data, operational experience, etc.
      ii. Criteria for monitoring, inspecting, preventative maintenance, and training
      iii. Incidents of malfunction with impact on emissions, duration of event, probable cause, and corrective actions
      iv. Recommended frequency and dates performed of all above schedules, incidents, activities, and actions

3) Cyclone (CD-01)
   a) The cyclone shall be operated and maintained in accordance with the manufacturer's specifications, which shall be kept on site.
   b) The cyclone shall be equipped with a gauge or meter that indicates the pressure drop across the control device. The pressure drop shall be maintained within the range established in the SOP report from Special Condition 22.K of Construction Permit No. 052016-003. The pressure drop shall be recorded at least once daily. Days of non-operation shall be indicated.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

c) OCIS shall maintain an operating and maintenance log for the cyclone, which shall include the following:
   i. Incidents of malfunction with impact on emissions, date and duration of event, probable cause, and corrective actions
   ii. Maintenance activities with inspection schedule, repair actions, replacements, etc.

4) Thermal Oxidizer (CD-02)
   a) The thermal oxidizer shall be operated and maintained in accordance with the SOP report from Special Condition 22.K of Construction Permit No. 052016-003 and with the manufacturer's specifications, which shall be kept on site.
   b) The thermal oxidizer shall be equipped with a gauge or meter that indicates the operating temperature. The operating temperature shall be maintained within the requirements of 40 CFR 63 Subpart DDD.
   c) OCIS shall maintain an operating and maintenance log for the thermal oxidizer, which shall include the following:
      i. Incidents of malfunction with impact on emissions, date and duration of event, probable cause, and corrective actions
      ii. Maintenance activities with inspection schedule, repair actions, replacements, etc.

5) Dry Sorbent Injection (CD-03)
   a) The dry sorbent injection (DSI) system shall consist of two injection locations, with one before the DSI tower and one after the first Cupola baghouse (CD-04a) that follows the DSI tower.
   b) OCIS shall keep vendor records on site of each sorbent delivery type.
   c) When utilized, sodium bicarbonate sorbent shall be milled to optimize control efficiency.
   d) The DSI shall be operated and maintained in accordance with the SOP report from Special Condition 22.K of Construction Permit No. 052016-003 and with the manufacturer's specifications, which shall be kept on site.
   e) The DSI sorbent injection rates shall be continuously monitored and recorded for each location.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

f) OCIS shall maintain an operating and maintenance log for the DSI, which shall include the following:
   i. Incidents of malfunction with impact on emissions, date and duration of event, probable cause, and corrective actions
   ii. Maintenance activities with inspection schedule, repair actions, replacements, etc.

6) Baghouse (CD-04)
   a) The baghouse shall be operated and maintained in accordance with the manufacturer's specifications, which shall be kept on site.
   b) The baghouse shall be equipped with a bag leak detection system and maintained within the requirements of 40 CFR 63 Subpart DDD.
   c) Replacement filters for the baghouse shall be kept on hand at all times. The bags shall be made of material appropriate for operating conditions expected to occur (e.g. temperature limits, acidic and alkali resistance, abrasion resistance, etc.). The replacement filter material type and weight shall meet or exceed the specifications of the existing filter. The air-to-cloth ratio or air-to-filter ratio shall not be increased when filter replacement is performed.
   d) OCIS shall maintain an operating and maintenance log for the baghouse, which shall include the following:
      i. Incidents of malfunction with impact on emissions, date and duration of event, probable cause, and corrective actions
      ii. Maintenance activities with inspection schedule, repair actions, replacements, etc.

7) The Cupola startup burner shall be a low-NO_x design.

F. OCIS shall not exceed the following combined Cupola startup burner/Cupola temporary BACT emission limits. Final BACT limits shall established according to the requirements of Special Condition 25 of Construction Permit No. 052016-003D.

1) PM

[redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

2) PM_{10}, Total
   a) [redacted] lb/ton melt (inclusive of startup and shutdown) over a 24-hour period
   b) [redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average
3) $PM_{2.5}$, Total
   a) [redacted] lb/ton melt (inclusive of startup and shutdown) over a 24-hour period
   b) [redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average
4) SO_2
   a) [redacted] lb/ton melt (exclusive of startup and shutdown) over a 1-hour period
   b) [redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average
5) NO_x
   a) [redacted] lb/ton melt (exclusive of startup and shutdown) over a 1-hour period
   b) [redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average
6) VOC
   a) [redacted] lb/ton melt (exclusive of startup and shutdown) over a 3-hour period
   b) [redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average
7) CO
   a) [redacted] lb/ton melt (exclusive of startup and shutdown) over a 1-hour period
   b) [redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average
8) Reduced Sulfur Compounds
   [redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average
9) Sulfuric Acid Mist
   [redacted] lb/ton melt (inclusive of startup and shutdown) over a 30-day rolling average
10) Greenhouse Gas
   [redacted] lb CO_{2e}/ton melt (inclusive of startup and shutdown) over a 30-day rolling average

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

G. OCIS shall not exceed the following combined Cupola startup burner/Cupola non-BACT emission limits, each inclusive of startup and shutdown:

1) PM_{10}, Total
   a) 2.018 lb/hr over a 30-day period
   b) 2.482 lb/hr over a 24-hour period
2) $PM_{2.5}$, Total
   a) 1.930 lb/hr over a 30-day period
   b) 2.415 lb/hr over a 24-hour period
3) SO_2
   a) 25.099 lb/hr over a 30-day period
   b) 27.664 lb/hr over a 1-hour period
4) NO_x
   a) 10.846 lb/hr over a 30 day period
   b) 12.278 lb/hr over a 1-hour period
5) CO
   1.764 lb/hr over a 1-hour period
6) Sulfuric Acid Mist
   19.334 lb/hr over a 30-day period

15. Urea, Sorbent, Fly Ash, Cupola Fines Transfer

A. Usage Limitations

1) OCIS shall not receive more than [redacted] tons per consecutive 12-month period of urea to storage silo (EU-03.0), sorbent to storage silo (EU-06.0), and sorbent to storage silo (EU-06.1). This limit is shared among the silos.
2) OCIS shall demonstrate compliance with Special Condition 15.A.1 by keeping monthly records on site for silo receiving rates that include combined throughput, date, and measurement method.

B. All emissions shall be captured and controlled by the following:

1) Urea silo receiving (EU-03.0) using baghouse (CD-12) and urea loss-in-weight feeder (EU-03.1) using baghouse (CD-13).
   a) The baghouses shall be operated and maintained in accordance with the manufacturer's specifications, which shall be kept on site.
   b) The baghouses shall be equipped with pressure drop gauges. The operating pressure drop shall be recorded at least once daily. Days of non-operation shall be indicated.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

c) Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of material appropriate for operating conditions expected to occur (e.g. temperature limits, acidic and alkali resistance, abrasion resistance, etc.). The replacement filter material type and weight shall meet or exceed the specifications of the existing filter. The air-to-cloth ratio or air-to-filter ratio shall not be increased when filter replacement is performed.

d) OCIS shall maintain an operating and maintenance log for the baghouses, which shall include the following:

i. Incidents of malfunction with impact on emissions, date and duration of event, probable cause, and corrective actions

ii. Maintenance activities with inspection schedule, repair actions, replacements, etc.

2) Sorbent silo receiving (EU-06.0) using baghouse (CD-14) and sorbent and sorbent receiving (EU-06.1) using baghouse (CD-15).

a) The baghouses shall be operated and maintained in accordance with the manufacturer's specifications, which shall be kept on site.

b) The baghouses shall be equipped with pressure drop gauges. The operating pressure drop shall be recorded at least once daily. Days of non-operation shall be indicated.

c) Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of material appropriate for operating conditions expected to occur (e.g. temperature limits, acidic and alkali resistance, abrasion resistance, etc.). The replacement filter material type and weight shall meet or exceed the specifications of the existing filter. The air-to-cloth ratio or air-to-filter ratio shall not be increased when filter replacement is performed.

d) OCIS shall maintain an operating and maintenance log for the baghouses, which shall include the following:

i. Incidents of malfunction with impact on emissions, date and duration of event, probable cause, and corrective actions

ii. Maintenance activities with inspection schedule, repair actions, replacements, etc.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

3) Fly ash silo filling (EU-04.0) using baghouse (CD-16) and fly ash silo shipping (EU-04.1) using baghouse (CD-17).
   a) The baghouses shall be operated and maintained in accordance with the manufacturer's specifications, which shall be kept on site.
   b) The baghouses shall be equipped with pressure drop gauges. The operating pressure drop shall be recorded at least once daily. Days of non-operation shall be indicated.
   c) Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of material appropriate for operating conditions expected to occur (e.g. temperature limits, acidic and alkali resistance, abrasion resistance, etc.). The replacement filter material type and weight shall meet or exceed the specifications of the existing filter. The air-to-cloth ratio or air-to-filter ratio shall not be increased when filter replacement is performed.
   d) OCIS shall maintain an operating and maintenance log for the baghouses, which shall include the following:
      i. Incidents of malfunction with impact on emissions, date and duration of event, probable cause, and corrective actions
      ii. Maintenance activities with inspection schedule, repair actions, replacements, etc.

4) Cupola conveyor (BC-10) fines removal (EU-02.13) using baghouse (CD-18), fines from screw feeder into receiving hopper fill/station (EU-02.13b) using baghouse (CD-19), and fines dumped from chute to bulk bag (EU-02.13c) using baghouse (CD-20).
   a) The baghouses shall be operated and maintained in accordance with the manufacturer's specifications, which shall be kept on site.
   b) The baghouses shall be equipped with pressure drop gauges. The operating pressure drop shall be recorded at least once daily. Days of non-operation shall be indicated.

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

c) Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of material appropriate for operating conditions expected to occur (e.g. temperature limits, acidic and alkali resistance, abrasion resistance, etc.). The replacement filter material type and weight shall meet or exceed the specifications of the existing filter. The air-to-cloth ratio or air-to-filter ratio shall not be increased when filter replacement is performed.

d) OCIS shall maintain an operating and maintenance log for the baghouses, which shall include the following:

i. Incidents of malfunction with impact on emissions, date and duration of event, probable cause, and corrective actions

ii. Maintenance activities with inspection schedule, repair actions, replacements, etc.

C. The baghouse flow rates shall not exceed the following values, each over a 24-hour average. OCIS shall demonstrate compliance with Special Condition 15.C using manufacturer's specifications.

1) CD-12: [redacted] scfm
2) CD-13: [redacted] scfm
3) CD-14: [redacted] scfm
4) CD-15: [redacted] scfm
5) CD-16: [redacted] scfm
6) CD-17: [redacted] scfm
7) CD-18: [redacted] scfm
8) CD-19: [redacted] scfm
9) CD-20: [redacted] scfm

D. OCIS shall not exceed the following baghouse BACT emission limits for PM, PM_{10} filterable, and $PM_{2.5}$ filterable. OCIS shall demonstrate compliance with Special Condition 15.D using manufacturer's specifications.

1) CD-12: [redacted] gr/dscf
2) CD-13: [redacted] gr/dscf
3) CD-14: [redacted] gr/dscf
4) CD-15: [redacted] gr/dscf
5) CD-16: [redacted] gr/dscf
6) CD-17: [redacted] gr/dscf
7) CD-18: [redacted] gr/dscf

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

8) CD-19: [redacted] gr/dscf
9) CD-20: [redacted] gr/dscf