

STATE OF MISSOURI



DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 022009 - 010 Project Number: 2008-08-077

Parent Company: Pittsburgh Corning Corporation

Parent Company Address: 800 Presque Isle Drive, Pittsburgh, PA 15239

Installation Name: Pittsburgh Corning Corporation

Installation Address: 2700 West 16th Street, Sedalia, MO 65301

Location Information: Pettis County, S5, T45N, R21W

Application for Authority to Construct was made for:
Removal of glass production limitation as established in Permit No. 062008-003.
This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

-
- Standard Conditions (on reverse) are applicable to this permit.
- Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

FEB 23 2009

EFFECTIVE DATE

Steven J. Jella for JLK

DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the departments' Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available not more than 60 days but at least 30 days in advance of this date. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 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 AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.

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Project No.	2008-08-077

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 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 (12)(A)10. "Conditions required by permitting authority."

Pittsburgh Corning Corporation
Pettis County, S5, T45N, R21W

1. **Superseding Condition**
The conditions of this permit supersede all special conditions found in the previously issued construction permit (Permit Number 062008-003) from the Air Pollution Control Program.
2. **Nitrogen Oxides (NO_x) Limitation**
 - A. Pittsburgh Corning Corporation shall emit less than 250 tons of NO_x from the entire installation in any consecutive 12-month period. This limit applies to the emissions from equipment/processes installed or permitted as of the date of this permit. The emission points currently contributing to NO_x include Tank 4 (S-6A), forehearth/tube draw (S-7A), cellululating gas (S-10), annealing gas (S-24), space heaters (S-257), the generator (S-28) and cullet dryers (S-34).
 - B. Attachment A or an equivalent form approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Condition 2.A. Pittsburgh Corning Corporation shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
 - C. Pittsburgh Corning Corporation shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after the end of the month during which the records from Special Condition 2.B indicate that the source exceeds the limitation of Special Conditions 2.A.
3. **Limitation – Truck Unloading (S-1A) and Sand Delivery (S-1B)**
 - A. Pittsburgh Corning Corporation shall unload less than 150 tons per day of material at emission point S-1A.
 - B. The sand delivery haul road (S-1B) shall be limited to six (6) trucks per day.

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SPECIAL CONDITIONS:

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

- C. Attachment B or an equivalent form approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 3.A and 3.B. Pittsburgh Corning Corporation shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
 - D. Pittsburgh Corning Corporation shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten (10) days after the end of the month during which the records from Special Condition 3.B indicate that the source exceeds the limitation of Special Condition 3.A.
4. Baghouse(s) Control System Requirements for Cullet Quench System (S-34)
- A. Visible emissions and physical samples will be used as an indicator of the proper operation of the control device. Visual emission observations will be made using a U.S. EPA Method 22-like procedures. Physical samples will be taken and analyzed in accordance with the Pittsburgh Corning's standard operating procedures (SOP). During proper operation, no visible emissions and levels on the physical samples as indicated as normal operation in the SOP manual are expected from this emission unit. The existence of visible emissions or presence of residue on the physical samples above normal levels will indicate a decrease in the efficiency of the control device and corrective actions will be implemented.
 - B. Frequency - Visible emissions from the exhaust shall be monitored on a daily basis when the process is in operation. Physicals samples shall also be taken on a daily basis when the process is in operation.
 - C. Duration - The duration of the observation for visible emissions shall be for a six minute time period.
 - D. Threshold - The condition of no visible emissions or normal residue levels on the physical sample as indicated in the SOP manual is considered standard for this emission unit. When visible emissions or residue levels above normal are noted from the emission unit, it shall be documented and corrective actions taken.
 - E. The observation of visible emissions or residue levels above normal on the physical sample from this emission unit will be considered an excursion and corrective actions shall be implemented within a reasonable period. An excursion does not necessarily indicate a violation of the applicable requirement. When the level of excursions exceed five percent of the of the total number of observations in a six month period and corrective actions fail to return the emission unit to a no visible

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SPECIAL CONDITIONS:

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

emission condition, then the permittee shall conduct source testing within 90 days of the last excursion to demonstrate compliance with 10 CSR 10-6.400. If the test demonstrates noncompliance with the above emission limitation the permittee shall propose a schedule to implement further corrective actions to bring the source into compliance and demonstrate that compliance.

- F. All control equipment shall be maintained and operated according to the manufacturer's specifications.
5. Specifications for Paved Haul Roads
- A. Pittsburgh Corning Corporation shall maintain and/or repair the portions of the paved haul road associated with sand delivery (S-1A) and batch unloading (S-04). Maintenance of the surfaces will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - B. Pittsburgh Corning Corporation shall periodically water, wash and/or otherwise clean all of the paved portions of the haul roads as necessary to achieve control of fugitive emissions from these roads.
6. Notification of Changes
- Pittsburgh Corning Corporation shall notify the Air Pollution Control Program before initial startup of any modifications to the facility design that could impact the release parameters or emission rates as specified in the Memorandums from the Modeling Unit titled "Ambient Air Quality Impact Analysis (AAQIA) for Pittsburgh Corning Corporation – August 13, 2008" and "Ambient Air Quality Impact Analysis (AAQIA) for Pittsburgh Corning Corporation – Revision" dated January 6, 2009. In the event the Program determines that the changes are significant, Pittsburgh Corning Corporation shall submit an updated AAQIA to the Air Pollution Control Program that continues to demonstrate compliance with the National Ambient Air Quality Standards (NAAQS) and Prevention of Significant Deterioration (PSD) increment standards.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW

Project Number: 2008-08-077
Installation ID Number: 159-0009
Permit Number:

Pittsburgh Corning Corporation
2700 West 16th Street
Sedalia, MO 65301

Complete: August 26, 2008

Parent Company:
Pittsburgh Corning Corporation
800 Presque Isle Drive
Pittsburgh, PA 15239

Pettis County, S5, T45N, R21W

REVIEW SUMMARY

- Pittsburgh Corning Corporation has applied for authority to remove the glass production limit established in Permit No. 062008-003. Permit No.062008-003 allowed for construction of a new cullet quench system. Modeling has been conducted to show that emission increases from the removal of the production limit and addition of the cullet quench system do not affect air quality standards.
- Hazardous Air Pollutant (HAP) emissions are expected from the debottlenecked equipment in small amounts. HAPs of concern from this project are antimony and manganese compounds.
- None of the New Source Performance Standards (NSPS) apply to the debottlenecked equipment.
- The Maximum Achievable Control Technology (MACT) standard, 40 CFR Part 63, Subpart SSSSSS, *National Emission Standards for Hazardous Air Pollutants for Glass Manufacturing Area Sources* applies to the installation.
- Reverse pulse jet collectors are being used to control the PM₁₀ emissions from the cullet dryers.
- This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. The potential emissions increase of PM₁₀, SO_x and NO_x are above de minimis levels but below major source levels.
- This installation is located in Pettis County, an attainment area for all criteria air pollutants.

- This installation is not on the List of Named Installations [10 CSR 10-6.020(3)(B), Table 2].
- Ambient air quality modeling was performed since potential emissions increase of PM₁₀, SO_x, and NO_x are above de minimis levels.
- Emissions testing is not required for the equipment.
- A revision to your Part 70 Operating Permit application is required for this installation within 1 year of equipment startup.
- Approval of this permit is recommended with special conditions.

INSTALLATION DESCRIPTION

Pittsburgh Corning Corporation operates a cellular glass insulation facility in Sedalia, Missouri. Pittsburgh Corning submitted a Part 70 Operating Permit renewal in July of 2003. The drafted Part 70 Operating Permit is currently undergoing Environmental Protection Agency (EPA) review. Permit No. OP1999-090 was obtained in July of 1999.

Pittsburgh Corning was considered a major source under New Source Review permits. However, upon review of recent permit history and a submittal of existing potential emissions from Pittsburgh Corning, it is the Air Pollution Control Program's conclusion that Pittsburgh Corning should be considered a minor source with regards to construction permits. Several notable changes that resulted in a lower potential-to-emit for the installation include the following. First, fuel oil tanks were removed from service in 2004 and fuel oil piping was removed in 2006 and 2007; therefore, the combustion equipment is no longer capable of burning fuel oil. Second, Tank 3 was completely demolished and removed in March of 2007. Lastly, they do not have the capability to use propane in their combustion equipment as mentioned in other permits.

The following construction permits have been issued to Pittsburgh Corning Corporation from the Air Pollution Control Program.

Table 1: Previously Issued New Source Review Permits

Permit Number	Description
0579-011	Modification of rotary kiln.
1190-014	Installation of a cellular glass finishing line.
0592-010	Installation of foaming & annealing oven.
0793-023	Installation of a glass melting tank (Tank 3).
0894-015	Addition of two (2) ball mills.
1294-006	Addition of manganese dioxide to glass batch.
1294-007	Resuming operation of auxiliary glass unloading & grinding equipment.
0696-017	Addition of aluminum sulfate to existing glass batch process.
0899-014	Installation of two (2) Foamglas® block printers.
0799-020	Temporary permit for the installation of gluing process & cutting machines for the Foamglas® blocks.
0999-004	Replacement of the existing diesel generator with a new 300 hp diesel generator.
0799-020A	Amendment to temporary permit for the installation of gluing process & cutting machines for the Foamglas® blocks.
082001-025	Installation of natural gas fired burners with a combined total rating of ten (10) MMBtu/hr and to increase the electric boosting system in order to melt Green Glass in Tank 4. This addition will not increase the maximum capacity of Tank 4. In addition, this permit modifies the Special Conditions of Permit No. 0793-023.
1294-007A	Modification to monthly manganese dioxide recordkeeping sheet.
082006-003	Installation of a cullet quench system.

PROJECT DESCRIPTION

In the previous permit (Permit No. 062008-003), Pittsburgh Corning was granted the authority to install a cullet quench system (S-34) that replaced existing tube forming, conveying and crushing equipment. A brief description of the new cullet quench system is restated here.

With the new cullet quench system, glass that is drawn from the three (3) forehearths is fractured in water instead of being air-cooled and crushed. The quenched, fractured glass is then dried in three natural gas-fired dryers with each dryer having heat input capacity of 1.5 million Btu per hour. Particulate matter generated by the dryers is collected by three (3) reverse pulse jet collectors (Emission Points S34a, S34b, S34c). The dry, fractured cullet is discharged onto an enclosed belt conveyor and then onto two (2) additional enclosed drag conveyors which are connected to existing cullet elevators. All pieces of equipment are located inside the building. The existing cullet crusher will not be removed immediately. However, it can not be operated at the same time as the new cullet quench system. Therefore, the worst case emissions were used in the modeling.

Prior to Permit No. 062008-003, the production rate was limited by the existing cullet crusher (S-08) to approximately 143 tons per day (tpd) while producing green glass. As

a result of the addition of the new cullet quench system (S-34), the maximum design rate of the several pieces of equipment (S-01 Rail Unloading, S-1A Truck Unloading, S-02 Batch Mixing, S-02A Batch Conveying, S-04 Batch Hauling, S-5A Batch Unloading and S-6A Tank 4) have the capability to increase to 168 tons per day. In order to avoid modeling requirements, Pittsburgh Corning took a production limit in Permit No. 062008-003 at the original maximum hourly design rate of 143 tpd and thus the permit's emissions were based on the emissions associated with the new cullet quench system alone.

This project allows Pittsburgh Corning to remove the 143 tpd limit and increase production to 168 tons per day through the portion of the equipment listed in Table 2 as well as the new cullet quench system. Since the removal of the production limitation allows for increased throughput, this project is viewed as modification and the emissions for this project are determined based on a potentials-minus-actuals test. Also, due to the close proximity in timing with Permit No. 062008-003, the potential emissions from the new cullet quench system based on the debottlenecked rate will be added to the potential increase from the removal of the production limit.

Table 2: Existing Emission Points being Debottlenecked

Emission Point #	Emission Point Description
S-01	Rail Unloading
S-1A	Truck Unloading
S-1B	Sand Delivery Haul Road
S-02	Batch Mixing
S-02A	Batch Conveying
S-04	Batch Hauling
S-5A	Batch Unloading
S-6A*	Tank 4

*The combustion portion of these emission points are unaffected by the removal of the production limitation.

EMISSIONS/CONTROLS EVALUATION

Potential emissions from this project include the potential emissions of the equipment listed in Table 2 as well as potential emissions from the new cullet quench system all based on the debottlenecked rate of 7 tons per hour or 168 tons per day. The emission factors used in this analysis for the cullet dryers with reverse pulse jet collectors were obtained from the Environmental Protection Agency (EPA) document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition, Section 11.20, *Lightweight Aggregate Manufacturing (July 1993)*, and Section 1.4, *Natural Gas Combustion (July 1998)*.

During the course of review for this project, several changes and one addition were made to the potential emissions of this project other than those caused by the debottlenecking. First, a sand delivery haul road (S-1B) associated with truck delivery (S-1A) was added. S-1B is an existing haul road that was never accounted for in

previous permits or Emission Inventory Questionnaires (EIQs). The emission factor used for the paved haul road was taken from the EPA document AP-42, Fifth Edition, Section 13.2.2, *Unpaved Roads* (November 2006). The haul road is paved and will be washed periodically to provide a minimum of 90% control of filterable PM₁₀ emissions. The sand delivery haul road emissions are based on the limitation stated in Special Conditions which allows for 150 tons of material to be unloaded per day. Secondly, the potential emissions for batch unloading (S-04) were updated to account for a more appropriate emission calculation method. The use of the paved haul road equation with 90% control was deemed more accurate for calculating the batch unloading emissions caused by the forklift traffic. The potential emissions for S-04 are based on the forklift hauling 168 tons of material per day. (All other emissions factors and control efficiencies for existing units were taken from the 2005 EIQ.

The potential emissions of PM₁₀, SO_x and NO_x were determined to be above their respective de minimis levels for the project. The potential emissions for all other pollutants and HAPs were determined to be below their respective de minimis and Screen Modeling Action Level (SMAL).

Since the potential emissions of this project were determined to be above de minimis levels for PM₁₀, SO_x and NO_x, the emissions increase of the project was determined by calculating the difference between the potential emissions and the baseline actual emissions for the equipment listed in Table 2. The baseline actual emissions can be determined by using any consecutive 24-month period in the past 10 years. However, since white glass was produced prior to 2001 and is no longer manufactured at the facility, only the years since 2001 were reviewed. Pittsburgh Corning has requested to use the consecutive calendar years of 2006 and 2007.

The potential emissions increase of the project for PM₁₀, SO_x and NO_x are also above their respective de minimis levels as shown in Table 3. Modeling was conducted to show compliance with all ambient air quality standards for these pollutants. More details can be found under the Ambient Air Quality Impact Analysis section of this permit.

The following table provides an emissions summary for this project.

Table3: Emissions Summary (tons per year)

Pollutant	Regulatory De Minimis Levels	Existing Potential Emissions ^{1,2}	Potential Emissions of the Application	2006/2007 Baseline Actual Emissions ³	Emissions Increase	Conditioned Potential Emissions
PM ₁₀	15.0	65.4	35.4	18.4	17.0	N/A
SO _x	40.0	197.4	225.7	134.4	91.2	N/A
NO _x	40.0	<250*	274.8	162.6	112.2	<250 (facility-wide)
VOC	40.0	11.47	0.10	N/A	0.10	N/A
CO	100.0	69.4	1.58	N/A	1.58	N/A
HAPs	10.0/25.0	0.92	0.14	N/D	0.14	N/A
Carbonyl Sulfide	5	0.21	N/A	N/A	N/A	N/A
Manganese	0.8	0.29	0.14	N/D	0.14	N/A
Antimony	5	0.42	N/A	N/A	N/A	N/A

N/A = Not Applicable; N/D = Not Determined

¹ The following updates were made to the Existing Potential Emissions from Permit No. 062008-003: 1) The maximum hourly design rates (MHDRs) of emission points S-09 Batch Dispensing, S-10 Cellulating, S-13 Finishing, S-22 Milling, S-22A Mill Screening, S-22B Ground Batch Unloading, S-24 Annealing were updated to account for bottlenecks caused by the annealing process. 2) An incorrect MHDR of 0.002 Mgal per hour for the generator (S-28) was stated in the EIQs and has been updated to 0.021 Mgal per hour. 3) The sand delivery haul road was originally not included and has been added. 4) The batch unloading design rate and emission factor were modified to a more accurate representation of the emissions. 5) Emission point S-17 Dead Storage Equipment has been removed.-

² The installation was limited to less than 250 tons of NO_x per year in Permit No. 082001-025. The other pollutants under the Existing Potential Emissions column have not been scaled to account for this NO_x limit.

³ The baghouse control efficiencies were corrected for the 2006 and 2007 EIQs. The sand delivery haul road and the batch unloading emission points have been updated as stated in Note 1.

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. The potential emissions increase of PM₁₀, SO_x and NO_x are above de minimis levels but below major source levels.

APPLICABLE REQUIREMENTS

Pittsburgh Corning Corporation shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved. For a complete list of applicable requirements for your installation, please consult your operating permit.

GENERAL REQUIREMENTS

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110
The emission fee is the amount established by the Missouri Air Conservation Commission annually under Missouri Air Law 643.079(1). Submission of an Emissions Inventory Questionnaire (EIQ) is required June 1 for the previous year's emissions.
- *Operating Permits*, 10 CSR 10-6.065
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-3.090

SPECIFIC REQUIREMENTS

- *Restriction of Emission of Particulate Matter From Industrial Processes*, 10 CSR 10-6.400
- *Restriction of Emission of Sulfur Compounds*, 10 CSR 10-6.260
- *Maximum Allowable Emissions of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating*, 10 CSR 10-3.060

AMBIENT AIR QUALITY IMPACT ANALYSIS

Ambient air quality modeling was performed to determine the ambient impact of PM₁₀, SO_x and NO_x. For further details on the modeling, please refer to the memo titled "Ambient Air Quality Impact Analysis (AAQIA) for Pittsburgh Corning Corporation – August 13, 2008 Submittal" and Ambient Air Quality Impact Analysis (AAQIA) for Pittsburgh Corning Corporation – Revision" dated January 6, 2009. The ambient air quality impact analysis indicates that this project will not cause ambient air concentrations above acceptable levels.

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

Susan Heckenkamp
Environmental Engineer

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated August 25, 2008, received August 26, 2008, designating Pittsburgh Corning Corporation as the owner and operator of the installation.
- U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition.
- Kansas City Regional Office Site Survey, dated February 29, 2008.

Attachment A – NO_x Compliance Worksheet

Pittsburgh Corning Corporation
 Pettis County, S5, T45N, R21W
 Project Number: 2008-08-077
 Installation ID Number: 159-0009
 Permit Number:

This sheet covers the period from _____ to _____.
 (month, year) (month, year)

Copy this sheet as needed

Column A	Column B	Column C	Column D	Column E
Emission Point(s)	Description	Amount Processed	NO _x Emission Factor	(a) NO _x Emissions (tons)
S-06A	Tank 4 Batch	Tons	8.9 lb/ton	
S-06A	Tank 4 Coal	Tons	21.7 lb/ton	
S-06A	Tank 4 Natural Gas	MMcf	100 lb/MMcf	
S-06A	Tank 4 Distillate Oil	Mgal	47 lb/Mgal	
S-06A	Tank 4 LPQ	Mgal	19 lb/Mgal	
S-07A	Tank 4 Roof Monitor Natural Gas	MMcf	100 lb/MMcf	
S-10	Cellulating Natural Gas	MMcf	100 lb/MMcf	
S-24	Annealing Natural Gas	MMcf	100 lb/MMcf	
S-25	Roof Exhausters (Misc. Natural Gas)	MMcf	100 lb/MMcf	
S-28	Emergency Diesel Generator	Mgal	604 lb/Mgal	
S-34	Cullet Dryers	MMcf	100 lb/MMcf	
(b) Total NO _x Emissions Calculated for this Month in Tons:				
(c) 12-Month NO _x Emissions Total From Previous Month's Worksheet A, in Tons:				
(d) Monthly NO _x Emissions Total (b) from Previous Year's Worksheet A, In Tons:				
(e) Current 12-month Total of NO _x Emissions in Tons : [(b) + (c) - (d)]				

- (a) [Column E] = [Column C] x [Column D] x 0.0005
- (b) Summation of [Column E] in Tons;
- (c) 12-Month NO_x emissions total (e) from last month's Worksheet A, in Tons;
- (d) Monthly NO_x emissions total (b) from previous year's Worksheet A, in Tons;
- (e) Calculate the new 12-month NO_x emissions total. **A 12-Month NO_x emissions total (e) of less than 250.0 tons for the facility indicates compliance.**

Mr. Andrew Harris
Environmental Engineer
Pittsburgh Corning Corporation
2700 West 16th Street
Sedalia, MO 65301

RE: New Source Review Permit - Project Number: 2008-08-077

Dear Mr. Harris:

Enclosed with this letter is your permit to construct. Please study it carefully. Also, note the special conditions, if any, on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files.

Operation in accordance with these conditions, your new source review permit application and with your revised operating permit is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

If you have any questions regarding this permit, please do not hesitate to contact Susan Heckenkamp, at the departments' 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
New Source Review Unit Chief

KBH:shl

Enclosures

c: Kansas City Regional Office
PAMS File: 2008-08-077

Permit Number: