State of Georgia
Department of Natural Resources
Environmental Protection Division
Air Protection Branch

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AIR PROTECTION BRANCH

Atlanta Tradeport, Suite 120
4244 International Parkway
Atlanta, Georgia 30354
404/363-7000
Fax: 404/363-7100

Application for Permit to Construct, Modify or Operate Process Equipment, Fuel Burning Equipment And/Or Air Pollution Control Devices

SECTION 1 – GENERAL INFORMATION

AIRS No. (if known): 04-13-
Facility Name: Owens Corning Cordele Facility
Facility Location: TBD (street address)
City, State Zip: Cordele (city) Crisp (county) GA (zip)
Mailing Address: TBD
City, State Zip: (city) (state) (zip)

For Use by EPD Only
Application No.:
Permit No.:
Date Approved:
AIRS # Assigned:
Reviewer:

Parent/Holding Company: Owens Corning
Contact for Application: Michael L. Pettis **Title:** Leader, Insulation Asset Strategy, ISB
Tel No.: (740) 321-7007 **Ext:** **Fax No.:** (740) 321-4007
Email address: mike.pettis@owenscorning.com

Instructions for each section of this application are found within that section. Please review and follow all instructions carefully to avoid the necessity for resubmission. Feel free to submit additional details as needed. All supplemental and supporting data or information hereafter submitted and all representations hereafter made to EPD with respect to the proposed facility will be construed as part of this application. If there are specific questions or sections that are not understood, please call (404) 363-7000 for assistance. If an operating permit has already been received or applied for, it is only necessary to complete Section 1 and any other section of the application associated with the modification or construction for which authorization is being requested. **Two (2) copies of the application, both bearing original signatures, must be submitted to the Air Protection Branch.**

A. This application is for:
☐ A permit to operate ☒ A permit to construct ☐ A permit to modify existing equipment
☐ A revision of data submitted in an earlier application
Date and Application Number of previously submitted application:

B. Type of Equipment for which Application is being Submitted:
☒ An entire facility ☐ Process equipment
☐ Fuel burning equipment ☐ Air pollution control equipment
☐ An incinerator only ☐ Other → Specify:

C. Has this operation/equipment been previously permitted? ☐ - Yes ☒ - No
If above response is "Yes," provide the related permit number: Date issued:

D. If this application is for new construction or modification, give best estimates of the following dates:
Starting Date: April 2005 Completion Date: October 2006
If this is a major modification or construction project, attach details of intermediate dates for completion of projects.

Section 1 Questions Continued On Next Page

This application is submitted in accordance with the provisions of the Georgia Rules for Air Quality Control and, to the best of my knowledge, is complete and correct. The following sections of the application are applicable and are included:
☒ 2A ☒ 2B ☒ 3A ☒ 3B ☒ 4A ☒ 4B ☒ 5 ☐ 6 ☒ 7 ☐ 8 ☒ 9 ☒ 10A ☒ 10B
☒ 11A ☒ 11B ☒ 11C ☒ 11D ☐ 11E

Name of Owner or Authorized Official: Scott Myers **Title:** V.P. of Manufacturing - ISB
Signature: Scott Myers **Date:** 11/16/2005

Continues on next page

SECTION 1 – GENERAL INFORMATION (continued)

E. Is any information in this application considered Confidential Information? ☒ - Yes ☐ - No

If your response to this question is "yes", please refer to the latest version of EPD's *Procedures for Requesting that Submitted Information be treated as Confidential* for the necessary steps to be taken and for more information.

If yes, follow instructions provided in the attachment titled "Confidential Business Information."

F. Has a consultant been employed or will a consultant be employed for any part of this project, modification or construction? ☒ - Yes ☐ - No

If yes, provide the following information pertaining to the consultant employed:

Name of Consultant or Consulting Company: Trinity Consultants

Name of Contact: (if Consulting Company Used) Deanna L. Duram, P.E.

Mailing Address: 1100 Johnson Ferry Road, Suite 685

City, State Zip: Atlanta (City) GA (State) 30342 (Zip)

Telephone and Fax Number: (404) 256-1919 (Telephone & ext) (404) 256-1952 (Fax)

In what areas will the consultant be involved in the project, modification or construction?

Trinity Consultants is responsible for producing the permit application.

G. Facility Location:

Latitude: ° ' " **NORTH** Longitude: ° ' " **WEST**

UTM Coordinates: _____ **EAST** _____ **NORTH**

INSTRUCTION: The SOURCE CODE of an emission unit or air pollution control device is an alphanumeric code with a maximum of four characters (e.g. 27, D1, AA, BLR2, 953). The source code is used to relate information given in different sections of the application. Source codes are unique to each piece of equipment at a facility; emission units, air pollution control devices, and stacks cannot share the same source code. The second columns in the tables in Sections 4A and 6 of the application refer back to the source codes used in Sections 2 and 3. Use the same source code throughout the application whenever giving data on the same piece of equipment. For example, B4 may refer to number 4 boiler, C4A and C4B may be control devices on number 4 boiler, and S4 might be the stack on the boiler and control devices. The actual selection of source codes is up to the applicant.

Unless previously submitted, the following three items must be included with all applications. If in doubt, resubmit. Place the number of attachments or date of original submittal in the spaces provided.

H. 1* Attach a plot plan showing the location of the facility and points of discharge, identified by source code used in the application, in relation to the surrounding area. Plot plans should show roadways, residences and other permanent structures, the scale used and at least one set of longitude lines or UTM coordinates. In practice, many applicants find it convenient to show a sketch of the plant area on one plot and to locate the general plant site on a separate county or city map.

I. 1 Attach a flow diagram identifying process and control equipment, where raw material enters processes, where waste exits, where emissions air emissions are generated and where finished products are handled. Each point should be identified according to the source codes used in the application in addition to its normal description.

J. 1** In the space provided below, give a description of the general production process and the specific operation for which a permit is being requested. If necessary, attach additional sheets to give an adequate description. Include layout drawings, as necessary, to describe each process. Reference should be made to source codes used in the application.

K. Description of general production process and operation for which a permit is being requested:

*Design of the facility is ongoing; therefore, a site layout with equipment and stack locations is not provided at this time. An area map showing the approximate location of the facility is included in Appendix B.
**See Section 2 of the application narrative.

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 2A – PROCESS DESCRIPTION AND OPERATIONAL DATA

Normal Operating Schedule: 24 hours/day 7 days/week 52 weeks/yr

Additional Data Attached? ☐ - Yes ☒ - No

Seasonal and/or Peak Operating Periods: N/A

Dates of Annually Occurring Shutdowns: N/A

PRODUCTION INPUT FACTORS

Source Code	Process/ Operation e.g. Chemical mix tank, Grain dryer, Conveyor	Date of Equipment installation	Type of Raw Material	Annual Input Tons/year	Hourly Process Input Rate (Give units: e.g. lb/hr, ton/hr)		
					Design	Normal	Maximum
CG100	CG-1 Raw material handling	2005	Glass Batch	[redacted]	[redacted]	[redacted]	[redacted]
CG101	CG-1 Furnace	2005	Glass Batch	[redacted]	[redacted]	[redacted]	[redacted]
CG102	CG-1 Channel	2005	Glass	[redacted]	[redacted]	[redacted]	[redacted]
CG103	CG-1 Forehearth	2005	Glass	[redacted]	[redacted]	[redacted]	[redacted]
CG104	CG-1 Forming Section	2005	Glass, Binder, Admix	[redacted]	[redacted]	[redacted]	[redacted]
CG105	CG-1 Curing Oven	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]
CG106	CG-1 Cooling Section	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]
CG107	CG-1 Printing	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]
CG108	CG-1 [redacted] paper application	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]
CG109	CG-1 Autobaggers	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]
CG110	CG-1 Fabrication System	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]
CG111	CG-1 Reclaim System	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]
CG202	CG-2 Channel	2005	Glass	[redacted]	[redacted]	[redacted]	[redacted]
CG203	CG-2 Forehearth	2005	Glass	[redacted]	[redacted]	[redacted]	[redacted]
CG204	CG-2 Forming Section	2005	Glass, Oil	[redacted]	[redacted]	[redacted]	[redacted]
CG207	CG-2 Printing	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]
CG211	CG-2 Packaging	2005	Fiberglass Insulation	[redacted]	[redacted]	[redacted]	[redacted]

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

PRODUCTS OF PRODUCTION

Source Code	Description of Product	SIC* Code of Product	Production Schedule		Hourly Production Rate (Give units: e.g. lb/hr, ton/hr)			
			Ton/yr	Hr/yr	Design	Normal	Maximum	Units
CG-1 Line	Bonded Fiberglass Insulation	3296	[redacted]	8,760	[redacted]	[redacted]	[redacted]	[redacted]
CG-2 Line	Unbonded Fiberglass Insulation	3296	[redacted]	8,760	[redacted]	[redacted]	[redacted]	[redacted]

* SIC: Standard Industrial Classification

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 2B – LIST OF RAW MATERIALS AND CHEMICALS

List all raw materials, products, process and non-process chemicals, intermediates and toxic materials found at the facility. IUPAC or commonly known chemical names are preferred. If only a trade name is known, indicate manufacturer. Toxicity information should consist of IRIS unit risk factors, inhalation reference concentrations (RFC), OSHA PEL's, ACGIH TLV's, NIOSH REL's, etc. Submit additional data on usages, if appropriate. It is not necessary to list products that are simple mixtures, blends or solutions of chemicals already listed.

Raw Material / Chemical	Used for	Toxicity	EPD Use Only
Glass Batch	Fiberglass Insulation		
Binder	Fiberglass Insulation		
Unbonded Lubricant Solution	Fiberglass Insulation		

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 3A – BOILERS AND FUEL BURNING EQUIPMENT

Source Code	Emission Unit Type (e.g. Dryer, Boiler, Burner)	Name or Designation of Emission Unit (Give Mfg and Model No.)	Type of Burner* (e.g. Spreader stoker, Pulverized coal)	Type of Draft[1] (e.g. Natural, Induced, Balanced)	Capacity of Unit 10^6 Btu/hr Input		Percent Fuel for Space Heat	Percent Excess Air	Date of Construction & Installation[2] e.g. C: 11/5/89 I: 2/24/90	Fuel Type(s)
					Design	Max				
CG101	Backup Burners	Glass Melting Furnace	Natural Gas	N/A	TBD	TBD	N/A	N/A	2005	Natural Gas
CG104	Fiberizer Burners	Bonded Forming Section	Natural Gas	N/A	[redacted]	[redacted]	N/A	N/A	2005	Natural Gas
CG105	Oven	Curing Oven	Natural Gas	N/A	[redacted]	[redacted]	N/A	N/A	2005	Natural Gas
CG204	Fiberizer Burners	Unbonded Forming Section	Natural Gas	N/A	[redacted]	[redacted]	N/A	N/A	2005	Natural Gas
N/A	Emergency Generator	TBD	TBD	TBD	TBD	TBD	N/A	N/A	2005	Diesel
N/A	Emergency Process Water Pump	TBD	TBD	TBD	TBD	TBD	N/A	N/A	2005	Diesel
N/A	Emergency Furnace Fan	TBD	TBD	TBD	TBD	TBD	N/A	N/A	2005	Diesel

[1] This section does not have to be completed for natural gas fired equipment. [2] If construction and installation dates are the same, enter only one date.
TBD – To be determined
N/A – Not applicable

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 3B – FUEL DATA*

Source Code	Fuel Type e.g. coal, natural gas, wood bark	Annual Consumption						Hourly Consumption e.g. lb/hr		Heat Content**		Percent Sulfur**		Percent Ash in Solid Fuel	
		Total Quantity		Percent Use by Season											
		Amount	Unit e.g. Tons, Gal, cf	Mar ↓ May	June ↓ Aug	Sept ↓ Nov	Dec ↓ Feb	Max	Avg.	Min	Avg.	Max.	Avg.	Max.	Avg.
CG104	Natural Gas	[redacted]	MMscf	25	25	25	25	TBD	TBD	N/A	N/A	N/A	N/A	N/A	N/A
CG105	Natural Gas	[redacted]	MMscf	25	25	25	25	TBD	TBD	N/A	N/A	N/A	N/A	N/A	N/A
CG204	Natural Gas	[redacted]	MMscf	25	25	25	25	TBD	TBD	N/A	N/A	N/A	N/A	N/A	N/A

Fuel Supplier Information**

Fuel Type (Coal, Natural Gas, Fuel Oil)	Name of Supplier	Address	City	State	Zip
Natural Gas	TBD	TBD	TBD	TBD	TBD

* Waste fuel, such as saw dust or trash, generated or used at this facility should be described on a separate sheet.
** This section does not need to be completed for natural gas fired units.
TBD – To be determined
N/A – Not applicable

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 4A – STORAGE VESSEL PHYSICAL DATA

NOTE: Section **4B** must also be completed

Tank Source Code	Tank No.	Capacity (Gal)	Tank Color	Type of Tank (e.g. Fixed Roof, Floating Roof)	Tank Diameter (ft.)	Construction Date	Type of Roof Seals (Primary & Secondary)	Description of Equipment & Procedures to Control Emissions (e.g. Carbon Filtration, Conservation Vent)	Description of Equipment & Procedures to Control Spills (e.g. Concrete Dikes)
TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

Comments/Additional Information:

TBD - To be determined

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SECTION 4B – STORAGE VESSEL MATERIAL & OTHER DATA

Tank Source Code or Tank No.[1]	Material Stored	Material Molecular Weight	True Vapor Pressure (psi)	Storage Temp. °F	Average Throughput (Gal/day)	Height of Vent Above Ground (ft.)	Maximum Filling Rate (Gal/hr)	Average Height of Vapor Space (ft.)	Pressure at Which Vent Opens (psi)
TBD	Binder solution	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
TBD	Wash water	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

[1] Complete this column with tank source codes only or with tank numbers only, not both.

Comments:

TBD - To be determined
OC will install a binder storage system and wash water system including several tanks. However, as the design of the facility is not yet finalized, the details of each tank are not yet known.

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SECTION 5 – PRINTING OPERATIONS

Source Code	Description	Construction Date	Type of Operation[1]	Substrate	VOC Potential To Emit (Tons per year)	HAP Potential To Emit (Tons per year)
CG107	Product Printing	2005	O (InkJet Printing)	Facing Material, Glass Fiber Pack	3.57	-
CG207	Product Printing	2005	O (InkJet Printing)	Product Bag	0.13	-

[1] Indicate the type of operation using the appropriate letter code from below:

A - Flexographic
B – Packaging Rotogravure
C – Publication Rotogravure
D – Screen Printing
E – Lithography Offset (heat set)
F – Lithography (not heat set)
O – Other (include a description of the operation type)

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SECTION 7 – FUGITIVE EMISSIONS

Describe all precautions to be used for control of fugitive emissions from sources listed below. Use additional sheets if necessary. Show all source codes on plot plan.

Examples of fugitive emission sources to include on this form:

1. On-site roads
2. Bulk loading processes
3. Railroad cars and truck clean out
4. Bagging machines
5. Open hoppers
6. Conveying, handling and transportation systems
7. Accumulation of material on yards and property
8. Gas leaks or vapor vents
9. Other sources of fugitive emissions

Fugitive Emission Source Code	Description of Source	Emission Reduction Precautions (e.g. Storage Pile Cover, Vent Filters, Special Seals, Water Spray)
1	On-site roads	Paving
4	Autobaggers (CG109)	Exhaust within building
9	Precoated paper application (CG108)	Exhaust within building
6	Bonded Line Fabrication System (CG110)	Exhaust within building
6	Bonded Line Reclaim System (CG111)	Exhaust within building
6	Unbonded Line Packaging System (CG211)	Exhaust within building

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 9 – EMISSION DATA

Stack Source Code	Control Device Source Code	Emission Unit Source Code (Boiler or Other Process)	Pollutant Emitted[1]	Emission Rates				
				Average lb/hr	Maximum lb/hr	lb/million Btu Input[2]	Method of Determination[3] (e.g. Stack Test, AP-42, Material Balance)	Tons per Year Emitted
TBD	FF100 – FF120	CG100	PM	1.28	1.28	N/A	Manufacturer's guarantee	5.63
			VOC	0.01	0.01	N/A	Mass balance	0.03
			Total HAP	0.01	0.01	N/A	Testing based emission factor	0.03
F101N, F101S	N/A	CG101	PM	5.27	5.27	N/A	Testing based emission factor	23.09
			NO_X	123.75	123.75	N/A	Mass balance	542.03
			VOC	3.48	3.48	N/A	Mass balance	15.26
			SO_2	2.06	2.06	N/A	Testing based emission factor	9.03
			CO	4.58	4.58	N/A	Testing based emission factor	20.08
			Total HAP	0.01	0.01	N/A	Testing based emission factor	0.02
N/A	N/A	CG102	PM	0.26	0.26	N/A	Testing based emission factor	1.14
			SO_2	0.02	0.02	N/A	Testing based emission factor	0.07
			Total HAP	0.001	0.001	N/A	Testing based emission factor	0.003
N/A	N/A	CG103	PM	0.03	0.03	N/A	Testing based emission factor	0.15
			SO_2	0.002	0.002	N/A	Testing based emission factor	0.01
			Total HAP	0.0003	0.0003	N/A	Testing based emission factor	0.001

[1] Use a separate line for each pollutant emitted from a stack.
[2] Complete this column only for boilers and other fuel burning equipment.
[3] If emission rates determined by source test, submit the test report indicating the method used.

TBD – To be determined
N/A – Not applicable

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 9 – EMISSION DATA (CONTINUED)

Stack Source Code	Control Device Source Code	Emission Unit Source Code (Boiler or Other Process)	Pollutant Emitted[1]	Emission Rates				
				Average lb/hr	Maximum lb/hr	lb/million Btu Input[2]	Method of Determination[3] (e.g. Stack Test, AP-42, Material Balance)	Tons per Year Emitted
MC100	TO100	CG104, CG105	PM	58.80	58.80	N/A	Testing based emission factor	257.54
			NO_X	22.50	22.50	N/A	Testing based emission factor	98.55
			VOC	30.15	30.15	N/A	Mass balance/ Testing based emission factor	132.07
			SO_2	2.96	2.96	N/A	Testing based emission factor	12.95
			CO	37.50	37.50	N/A	Testing based emission factor	164.25
			Total HAP	27.49	27.49	N/A	Mass balance/AP-42 emission factor	120.41
CS100	SC100	CG106	PM	7.10	7.10	N/A	Testing based emission factor	31.09
			VOC	1.53	1.53	N/A	Mass balance/ Testing based emission factor	6.71
			Total HAP	1.43	1.43	N/A	Mass balance	6.28
N/A	N/A	CG107	VOC	0.82	0.82	N/A	MSDS	3.57
N/A	N/A	CG108	VOC	0.24	0.24	N/A	Testing based emission factor	1.07
N/A	N/A	CG109	PM	0.68	0.68	N/A	Testing based emission factor	2.96
N/A	PN100	CG110	PM	0.86	0.86	N/A	Manufacturer's guarantee	3.75
N/A	PN101	CG111	PM	0.86	0.86	N/A	Manufacturer's guarantee	3.75
			VOC	0.09	0.09	N/A	Testing based emission factor	0.40

[1] Use a separate line for each pollutant emitted from a stack.
[2] Complete this column only for boilers and other fuel burning equipment.
[3] If emission rates determined by source test, submit the test report indicating the method used.

TBD – To be determined
N/A – Not applicable

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 9 – EMISSION DATA (CONTINUED)

Stack Source Code	Control Device Source Code	Emission Unit Source Code (Boiler or Other Process)	Pollutant Emitted[1]	Emission Rates				
				Average lb/hr	Maximum lb/hr	lb/million Btu Input[2]	Method of Determination[3] (e.g. Stack Test, AP-42, Material Balance)	Tons per Year Emitted
N/A	N/A	CG202	PM	0.09	0.09	N/A	Testing based emission factor	0.38
			SO_2	0.01	0.01	N/A	Testing based emission factor	0.02
			Total HAP	0.0002	0.0002	N/A	Testing based emission factor	0.001
N/A	N/A	CG203	PM	0.01	0.01	N/A	Testing based emission factor	0.05
			SO_2	0.001	0.001	N/A	Testing based emission factor	0.003
			Total HAP	0.0001	0.0001	N/A	Testing based emission factor	0.0004
FS200	N/A	CG204	PM	10.00	10.00	N/A	Testing based emission factor	43.80
			NO_X	2.00	2.00	N/A	Testing based emission factor	8.76
			VOC	5.92	5.92	N/A	Mass balance/ Testing based emission factor	25.93
			SO_2	0.80	0.80	N/A	Testing based emission factor	3.50
			CO	6.00	6.00	N/A	Testing based emission factor	26.28
			Total HAP	0.03	0.03	N/A	Mass balance/AP-42 emission factor	0.13
N/A	N/A	CG207	VOC	0.03	0.03	N/A	MSDS	0.13
N/A	PN200	CG211	PM	0.86	0.86	N/A	Manufacturer's guarantee	3.75
			VOC	0.08	0.08	N/A	Testing based emission factor	0.36

[1] Use a separate line for each pollutant emitted from a stack.
[2] Complete this column only for boilers and other fuel burning equipment.
[3] If emission rates determined by source test, submit the test report indicating the method used.

TBD – To be determined
N/A – Not applicable

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 9 – EMISSION DATA (CONTINUED)

Stack Source Code	Control Device Source Code	Emission Unit Source Code (Boiler or Other Process)	Pollutant Emitted[1]	Emission Rates				
				Average lb/hr	Maximum lb/hr	lb/million Btu Input[2]	Method of Determination[3] (e.g. Stack Test, AP-42, Material Balance)	Tons per Year Emitted
N/A	N/A	Water Systems	PM	3.26	3.26	N/A	AP-42 Cooling Tower Emission Factor	14.28
			VOC	0.02	0.02	N/A	Testing based emission factor	0.09
			Total HAP	0.01	0.01	N/A	Testing based emission factor	0.06

[1] Use a separate line for each pollutant emitted from a stack.
[2] Complete this column only for boilers and other fuel burning equipment.
[3] If emission rates determined by source test, submit the test report indicating the method used.

TBD – To be determined
N/A – Not applicable

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 10A – STACK DATA

Stack Source Code	Emission Unit Source Code (boiler or other process)	Stack Dimensions		Dimensions of largest Structure Near Stack[1]		Exit Gas Conditions at Maximum Emission Rate			
		Height Above Grade, ft.	Inside Diameter, ft.	Height, ft.	Longest Side, ft.	Velocity ft/sec	Temperature °F	Flow Rate (acfm) Average	Flow Rate (acfm) Maximum
TBD	CG100	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
F101N	CG101	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
F101S	CG101	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
MC100	CG104, CG105	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
CS100	CG106	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
FS100	CG204	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD

[1] These two columns are required only if the height of a stack is greater than 90 feet. A structure is considered near a stack if the distance between the stack and the structure is less than 5 times the height or width of the structure. The structure that the stack is coming from is also considered "near" the stack.

NOTE: If emissions are not vented through a stack, describe point of discharge below and, if necessary, on a separate sheet of paper.

TBD – To be determined

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SECTION 10B – STACK MONITORING DATA

Stack Source Code	Stack Parameter Monitored (e.g. opacity, CO, flow rate)	Monitor Installation Date	Monitor Manufacturer	Name of Monitor and/or Model Number
F101N	TBD	TBD	TBD	TBD
F101S	TBD	TBD	TBD	TBD
MC100	TBD	TBD	TBD	TBD
CS100	TBD	TBD	TBD	TBD
FS100	TBD	TBD	TBD	TBD

Comments:

TBD – To be determined

Facility Name: Owens Corning Cordele Facility **Date of Application:** November 2004

SECTION 11A – AIR POLLUTION CONTROL DEVICES (APCD)

APCD Source Code	Process Equipment Source Code	APCD Type (Baghouse, ESP, Scrubber etc)	Date Installed	Make & Model Number (Attach Mfg. Specifications & Literature)	Unit Modified from Mfg Specifications?	Percent Control Efficiency		Inlet Gas Flow Rate (acfm)
						Design	Actual	
FF100	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 3,000
FF101 – FF112	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 611
FF113	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 1,000
FF114	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 1,000
FF115	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 1,000
FF116	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 1,000
FF117	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 1,000
FF118	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 1,000
FF119	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 3,000
FF120	CG100	Baghouse	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 600
TO100	CG105	Incinerator	2005	TBD	TBD	98% or 20 ppmvd	TBD	TBD
SC100	CG106	Low Pressure Drop Scrubber	2005	TBD	TBD	90%	TBD	TBD
PN100	CG110	Penclone	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 20,000
PN101	CG111	Penclone	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 20,000
PN200	CG211	Penclone	2005	TBD	TBD	0.01 gr/dscf	TBD	~ 20,000

TBD – To be determined

*Percent shown here is for total cooling section airflow. However, only a portion of the total airflow passes through the smokestripper. Therefore, the expected PM Ucontrol efficiency of the treated airflow is greater than 50%.

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SECTION 11B – AIR POLLUTION CONTROL DEVICES – EMISSION INFORMATION

APCD Source Code	Pollutants Controlled	Inlet Loading To Collector		Inlet gas Temp. °F	Exit Loading From Collector		Exit gas Temp. °F	Pressure Drop Across Unit (Inches of water)
		lb/hr	Method of Determination		lb/hr	Method of Determination		
FF100 – FF120	PM	ND	ND	TBD	0.01 gr/dscf	Manufacturer's Guarantee	Ambient	TBD
TO100	VOC	ND	ND	TBD	30.15*	Testing based emission factors	>1,400	N/A
SC100	PM	ND	ND	TBD	7.10	Testing based emission factors	TBD	TBD
PN100	PM	ND	ND	TBD	0.01 gr/dscf	Manufacturer's Guarantee	Ambient	TBD
PN101	PM	ND	ND	TBD	0.01 gr/dscf	Manufacturer's Guarantee	Ambient	TBD
PN200	PM	ND	ND	TBD	0.01 gr/dscf	Manufacturer's Guarantee	Ambient	TBD

Note: Methods of determining inlet and exit loading include stack testing, material balance, emission factors or calculations based on manufacturer's specifications.
TBD – To be determined
ND – Not detemined
N/A – Not applicable
*Total emissions from the mixing chamber, which includes both the curing section (controlled by TO100) and the forming section (not controlled by TO100).

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SECTION 11C – SCRUBBERS

APCD Source Code	Scrubber Type (Venturi, packed tower, etc.)	Scrubbant Chemicals (Sodium hydroxide, Lime, Sodium Hypochlorite, etc.)	pH Range	Minimum Scrubbant Flow Rate (Gal/min)	Materials of Construction (Plastic, 1040 steel, etc.)	Size of Pond or Holding Tank (Acre-ft, gal, etc)
SC100	Dual throat	N/A	N/A	TBD	Steel	TBD

Attach a physical description, dimensions and drawings of each scrubber and any additional information available such as: sketch and description of pond system; type and size of packing; packed height or depth; type of flow (e.g. concurrent, crossflow or countercurrent); maintenance schedule; nozzle pressure and number of nozzles; throat area of venturi; particle size distribution curve; particle size collection efficiency curve; and monitoring procedures.

TBD – To be determined

N/A – Not applicable

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SECTION 11D – BAGHOUSES & OTHER FILTER COLLECTORS

APCD Source Code	Filter Surface Area (sq. ft.)	No. of Bags	Inlet gas Dew Point, °F	Filter Material (e.g. Fiberglass, Nomex)	Gas Cooling Method (Heat Exchanger, Water Spray)	Cleaning Method (e.g. Revere Jet, Pulse Jet, Shaker)
FF100 – FF120	TBD	TBD	TBD	TBD	N/A	TBD
PN100 PN101 PN200	TBD	TBD	TBD	TBD	N/A	TBD

Attach a physical description, dimensions and drawings for each baghouse and any additional information available such as particle size, maintenance schedules, monitoring procedures and breakdown or by-pass procedures. Explain how collected material is disposed of or utilized.

TBD – To be determined
N/A – Not applicable