



## State of Mississippi

### FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT



Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

#### **THIS CERTIFIES**

CertainTeed Gypsum And Ceiling Manufacturing, Inc.  
2710 Highway 11 South  
Meridian, MS  
Lauderdale County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

**Mississippi Environmental Quality Permit Board**

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**Mississippi Department of Environmental Quality**

Issued/Modified: OCT 28 2014

Expires: SEP 30 2019

Permit No. 1460-00014

Agency Interest # 2338

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## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

CertainTeed Gypsum And Ceiling Manufacturing, Inc.

Subject Item Inventory

Permit Number:1460-00014

Activity ID No.: PER20130001

### Subject Item Inventory:

ID	Designation	Description
AI2338	AA-000	CertainTeed Gypsum And Ceiling Manufacturing, Inc.
EQPT1	AA-001a	39.96 MMBTU/hr Natural Gas-fired Coe Dryer-Zone 1 (Particle Board Dryer)
EQPT2	AA-001b	39.96 MMBTU/hr Natural Gas-fired Coe Dryer-Zone 2 (Particle Board Dryer)
EQPT3	AA-001c	30.02 MMBTU/hr Natural Gas-fired Coe Dryer-Zone 3 (Particle Board Dryer)
EQPT4	AA-001d	30.02 MMBTU/hr Natural Gas-fired Coe Dryer-Zone 4 (Particle Board Dryer)
AREA1	AA-002	Perlite Unloading, Transfer, and Storage
AREA2	AA-003	Perlite Expander #1 Equipped with a 6.0 MMBtu/Hr Dryer, 99% Efficient Baghouse, and an 85% Efficient Cyclone.
AREA4	AA-004	Perlite Expander #2 Equipped with a 6.0 MMBtu/Hr Dryer with a 99% Efficient Baghouse and an 85% Efficient Cyclone
AREA5	AA-005	Perlite Expander #3 Equipped with a 6.0 MMBtu/Hr Dryer with a 99% Efficient Baghouse and an 85% Efficient Cyclone
AREA6	AA-006	Bulk Starch Silo Equipped with a 99% Efficient Baghouse
AREA7	AA-007	Expanded Perlite Transfer System Equipped with a 99% Efficient Baghouse
AREA8	AA-008	Fabrication Mainline Equipped with a 99% Efficient Baghouse
AREA9	AA-009	Steinmann Blowout Station with a 7.6 MMBtu/Hr Dryer
AREA10	AA-010	Accumulation Vents Equipped with a 99% Efficient Baghouse
AREA11	AA-011	Reveal Edge Line Operation with a 4.0 MMBtu/Hr Line Oven
AREA12	AA-012	Paint Mixing Operation, Starch Mix Tank Equipped with a 99% Efficient Baghouse, Mix Chest Printer, Label Machine, and Mineral Wool Bale Breaking
AREA13	AA-013	Paint Mixing Operation, Steinmann Station-Stipple Coater, RE Line Spray Booth, Date Printer, and Label Machine with a 1.05 MMBtu/Hr Boiler.
AREA14	AA-014	Afterspray Booth with a 9.6 MMBtu/Hr Dryer.

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ID	Designation	Description
AREA16	AA-015	Miscellaneous Fuel Burning Sources with a Total Combined Capacity of less than 1.30 MMBtu/Hr.

### Subject Item Groups:

ID	Description	Components
GRPT1	40 CFR Part 60 Subpart OOO - Standards for Performance for Nonmetallic Mineral Processing Plants	AI 2338 CertainTeed Gypsum And Ceiling Manufacturing, Inc.
GRPT3	40 CFR Part 60 Subpart UUU - Standards for Performance for Calciners and Dryers in Mineral Industries	EQPT1 39.96 MMBTU/hr Natural Gas-fired Coe Dryer-Zone 1 (Particle Board Dryer)
		EQPT2 39.96 MMBTU/hr Natural Gas-fired Coe Dryer-Zone 2 (Particle Board Dryer)
		EQPT3 30.02 MMBTU/hr Natural Gas-fired Coe Dryer-Zone 3 (Particle Board Dryer)
		EQPT4 30.02 MMBTU/hr Natural Gas-fired Coe Dryer-Zone 4 (Particle Board Dryer)
		AREA2 Perlite Expander #1 Equipped with a 6.0 MMBtu/Hr Dryer, 99% Efficient Baghouse, and an 85% Efficient Cyclone.
		AREA4 Perlite Expander #2 Equipped with a 6.0 MMBtu/Hr Dryer with a 99% Efficient Baghouse and an 85% Efficient Cyclone
		AREA5 Perlite Expander #3 Equipped with a 6.0 MMBtu/Hr Dryer with a 99% Efficient Baghouse and an 85% Efficient Cyclone

### Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
AI 2338 CertainTeed Gypsum And Ceiling Manufacturing, Inc.	Discharges Into	Sowashee Creek

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Subject Item	Relationship	Receiving Stream
AI 2338 CertainTeed Gypsum And Ceiling Manufacturing, Inc.	Then Into	Sowashee Creek

### **KEY**

ACT = Activity

AREA = Area

CONT = Control Device

IA = Insignificant Activity

MAFO = Animal Feeding Operation

RPNT = Release Point

WDPT = Withdrawal Point

AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

IMPD = Impoundment

PCS = PCS

TRMT = Treatment

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

CertainTeed Gypsum And Ceiling Manufacturing, Inc.

Facility Requirements

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### AI0000002338 (AA-000) CertainTeed Gypsum And Ceiling Manufacturing, Inc.:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1		Facility-Wide Emission Limitations The maximum opacity from any point source or emissions at any time shall not exceed 40% as determined by EPA Test Method 9, 40 CFR 60, Appendix A. [11 Miss. Admin. Code Pt. 2, R. 1.3.B.]
L-2		Facility-Wide Emission Limitations The maximum permissible emission of ash and/or particulate matter from each fossil fuel burning installations of less than 10 million BTU per hour heat input shall not exceed 0.6 pounds per million BTU per hour heat input. [11 Miss. Admin. Code Pt. 2, R. 1.3.D(1)(a).]
L-3		Facility-Wide Emission Limitations The maximum discharge of sulfur oxides from each fuel burning installation in which the fuel is burned primarily to produce heat or power by indirect heat transfer shall not exceed 4.8 pounds (measured as sulfur dioxide) per million BTU heat input. [11 Miss. Admin. Code Pt. 2, R. 1.4.A(1).]
L-4		Facility-Wide Emission Limitations The permittee shall limit Total Particulate Matter (PM/PM10) emissions to no more than 90.0 tons per year as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, Ch. 2. , II.B.10]
L-5		Facility-Wide Emission Limitations The permittee shall limit Nitrogen Oxide emissions to no more than 90.0 tons per year as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, Ch. 2. , II.B.10]
L-6		Facility-Wide Emission Limitations The permittee shall limit Carbon Monoxide emissions to no more than 90.0 tons per year as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]

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### AI0000002338 (continued):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-7		<p>Facility-Wide Emission Limitations</p> <p>The permittee shall limit Total Greenhouse Gas (GHG) emissions by limiting facility wide Carbon Dioxide Equivalent (CO<sub>2</sub>e) emissions to no more than 95,000 tons/year (TPY) as determined for each consecutive 12-month period. For the purposes of this permit, CO<sub>2</sub>e emissions shall be the limiting factor when determining compliance with Total GHG emissions limitations. To demonstrate compliance with the limitation, the permittee shall calculate the sum of facility wide CO<sub>2</sub>e emissions emitted from each fuel burning type and by performing the aforementioned calculations to account for Carbon Dioxide (CO<sub>2</sub>), Nitrous Oxide (N<sub>2</sub>O), and Methane (CH<sub>4</sub>).</p> <p>For the purposes of calculating CO<sub>2</sub>e, Carbon Dioxide (CO<sub>2</sub>) has a global warming potential of 1 (CO<sub>2</sub>e/CO<sub>2</sub>), Nitrous Oxide (N<sub>2</sub>O) has a global warming potential of 298 (CO<sub>2</sub>e/N<sub>2</sub>O), and Methane (CH<sub>4</sub>) has a global warming potential of 25 (CO<sub>2</sub>e/CH<sub>4</sub>), as found in Table A-1 of 40 CFR Part 98. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10), Other]</p>
L-8		<p>Facility-Wide Emission Limitations</p> <p>The permittee shall limit fuel burning sources to the use of natural gas fuel only. [11 Miss. Admin. Code Pt. 2, Ch. 2. , II.B.10]</p>

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1		<p>Monitoring Requirements</p> <p>To demonstrate compliance with the NO<sub>x</sub>, CO, and CO<sub>2</sub>e Emission Limits, the permittee shall determine and monitor for all fuel combustion equipment:</p> <ul style="list-style-type: none"><li>(a) The quantity of fuel used in each calendar month;</li><li>(b) The total CO and NO<sub>x</sub> emissions (TPY) calculated for each consecutive 12 month period;</li><li>(c) The total CO<sub>2</sub>e emissions (TPY) calculated for each consecutive 12 month period;</li><li>(d) The rated capacity (MMBtu/Hr) and fuel type of each piece of fuel burning equipment.</li></ul> <p>The permittee may utilize data supplied by the manufacturer. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11)]</p>

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### AI0000002338 (continued):

#### Record-Keeping Requirements:

Condition No.	Condition
R-1	<p>Recordkeeping Requirements</p> <p>For the entire facility, the permittee shall maintain sufficient records for the natural gas fired combustion equipment to document:</p> <ul style="list-style-type: none"><li>(a) The quantity of fuel used in each calendar month;</li><li>(b) The total CO and NOx emissions (TPY) calculated for each consecutive 12 month period;</li><li>(c) The total CO2e emissions (TPY) calculated for each consecutive 12 month period;</li><li>(d) The rated capacity (MMBtu/Hr) and fuel type of each piece of fuel burning equipment.</li></ul> <p>These records must be kept in log form and made available for review upon request during any inspection visit by the Office of Pollution Control. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]</p>

#### Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>Submittal Requirements</p> <p>For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following for all fuel combusted:</p> <ul style="list-style-type: none"><li>(a) The quantity of fuel used in each calendar month;</li><li>(b) The total CO and NOx emissions (TPY) calculated for each consecutive 12 month period;</li><li>(c) The total CO2e emissions (TPY) calculated for each consecutive 12 month period;</li><li>(d) The rated capacity (MMBtu/Hr) and fuel type of each piece of fuel burning equipment. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(11)]</li></ul>
S-2	<p>Submittal Requirements</p> <p>Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [11 Miss. Admin. Code Pt. 2, R. 2.2.B(10).]</p>



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### AI0000002338 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-1	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-2	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.5.A.]
T-3	General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-4	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in 11 Miss. Admin. Code Pt.2, R. 1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", [11 Miss. Admin.Code Pt. 2, R.1.10.]
T-5	General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [11 Miss. Admin.Code Pt. 2, R.2.10.]
T-6	<p>General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:</p> <p>(a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and</p> <p>(b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]</p>
T-7	<p>General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:</p> <p>(a) Violation of any terms or conditions of this permit</p> <p>(b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or</p> <p>(c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [11 Miss. Admin.Code Pt. 2, R. 2.2.C.]</p>

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### AI0000002338 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-8	General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-9	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39]
T-10	General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(c).]
T-11	General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(7).]
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.]
T-13	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).]
T-14	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D [11 Miss. Admin.Code Pt. 2, R. 2.4.D.]
T-15	General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(7).]

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### AI0000002338 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-16	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(d).]
T-17	<p>General Condition: This permit does not authorize a modification as defined in 11 Miss. Admin. Code Pt. 2, Ch. 2 "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:</p> <ul style="list-style-type: none"><li>(a) routine maintenance, repair, and replacement;</li><li>(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;</li><li>(c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act;</li><li>(d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166;</li><li>(e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or</li><li>(f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).]</li></ul>
T-18	General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]
T-19	General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin.Code Pt. 2, R.2.9.]

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**AI0000002338 (continued):**

### Narrative Requirements:

Condition No.	Condition
T-20	General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]
T-21	<p>General Condition: Emergencies</p> <p>(a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.</p> <p>(b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.</p> <p>(c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.</p> <p>(e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]</p>
T-22	<p>General Condition: Upsets</p> <p>(a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.</p> <p>(c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>

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### AI0000002338 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-23	<p>General Condition: Startups and Shutdowns</p> <p>(a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.</p> <p>(c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-24	<p>General Condition: Maintenance</p> <p>(a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following: (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.</p> <p>(b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.</p> <p>(c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]</p>
T-25	<p>General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.8.]</p>

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### GRPT0000000001 40 CFR Part 60 Subpart OOO - Standards for Performance for Nonmetallic Mineral Processing Plants:

#### Narrative Requirements:

Condition No.	Condition
T-1	<p>40 CFR Part 60 Subpart OOO</p> <p>The provisions of this subpart are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. An affected facility that commences construction, modification, or reconstruction after August 31, 1983, is subject to the requirements of this part. [40 CFR 60.670]</p>
T-2	<p>40 CFR Part 60 Subpart OOO - STANDARDS FOR PARTICULATE MATTER</p> <p>For the purposes of this subpart, modification and reconstruction shall be defined as the replacement of any nonmetallic mineral processing equipment with equipment of a greater size or capacity. Upon a modification, if there is no increase in emissions, the facility shall remain subject to the monitoring, reporting, and recordkeeping requirements following.</p> <p>(1) The permittee must meet the stack emission limits and compliance requirements following for any baghouse that controls emissions from only an individual, enclosed storage bin subject to this subpart:</p> <p>(i) The owner or operator must meet an opacity limit of 7 percent for any dry control devices.</p> <p>(ii) The owner or operator must demonstrate compliance with these limits by conducting an initial performance test according to 40 CFR Part 60.8.</p> <p>(2) The permittee must meet the fugitive emission limits and compliance requirements following:</p> <p>(i) The owner or operator must maintain a fugitive emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility to be less than 10 percent opacity.</p> <p>(ii) The owner or operator must maintain a fugitive emissions limit for crushers at which a capture system is not used to be less than 15 percent opacity.</p> <p>(iii) The owner or operator must demonstrate compliance with these limits by conducting an initial performance test according to 40 CFR Part 60.11.</p> <p>(3) If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs (1) and (2) of this section, or the building enclosing the affected facility or facilities must comply with the following emission limits:</p> <p>(i) Fugitive emissions from the building openings must not exceed 7 percent opacity.</p> <p>(ii) Vents in the building must meet the applicable stack emission limits and compliance requirements in paragraph (1) of this subpart. [40 CFR 60.672]</p>

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

CertainTeed Gypsum And Ceiling Manufacturing, Inc.

Facility Requirements

Permit Number:1460-00014

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### GRPT0000000001 (continued):

#### Narrative Requirements:

Condition No.	Condition
T-3	<p>40 CFR Part 60 Subpart OOO - REPORTING AND RECORDKEEPING</p> <p>(1) If the permittee reconstructs or modifies any nonmetallic mineral processing equipment to be a greater size than what is listed per the issue date of this permit, the permittee is required to submit a written notification to the Mississippi Department of Environmental Quality detailing the nature of the modification. The permit limitations shall then be revisited to determine facility applicability to the requirements of 40 CFR Part 60 Subpart OOO.</p> <p>(2) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR Part 60.672 of this subpart. [40 CFR 60.676]</p>

## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

CertainTeed Gypsum And Ceiling Manufacturing, Inc.

Facility Requirements

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### GRPT0000000003 40 CFR Part 60 Subpart UUU - Standards for Performance for Calciners and Dryers in Mineral Industries:

#### Narrative Requirements:

Condition No.	Condition
T-1	<p>40 CFR Part 60 Subpart UUU</p> <p>The affected facility to which the provisions of this subpart apply is each calciner and dryer at a mineral processing plant. Feed and product conveyors are not considered part of the affected facility. For the brick and related clay products industry, only the calcining and drying of raw materials prior to firing of the brick are covered. The owner or operator of any facility that commences construction, modification, or reconstruction after April 23, 1986, is subject to the requirements of this subpart. [40 CFR 60.732]</p>
T-2	<p>40 CFR Part 60 Subpart UUU - PARTICULATE MATTER STANDARDS</p> <p>Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. No emissions shall be discharged into the atmosphere from any affected facility that:</p> <p>(a) Contains particulate matter in excess of 0.092 gram per dry standard cubic meter (g/dscm) [0.040 grain per dry standard cubic foot (gr/dscf)] for calciners and for calciners and dryers installed in series and in excess of 0.057 g/dscm (0.025 gr/dscf) for dryers; and</p> <p>(b) Exhibits greater than 10 percent opacity, unless the emissions are discharged from an affected facility using a wet scrubbing control device. [40 CFR 60.732]</p>
T-3	<p>40 CFR Part 60 Subpart UUU - EMISSIONS MONITORING</p> <p>(a) With the exception of the process units described in paragraph (b) of this section, the owner or operator of an affected facility subject to the provisions of this subpart who uses a dry control device to comply with the mass emission standard shall install, calibrate, maintain, and operate a continuous monitoring system to measure and record the opacity of emissions discharged into the atmosphere from the control device.</p> <p>(b) The owner or operator of a gypsum rotary dryer, a gypsum flash calciner, gypsum kettle calciner, or perlite expansion furnace who uses a dry control device is exempt from the monitoring, reporting, and recordkeeping requirements of this section. [40 CFR 60.734]</p>



## Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

CertainTeed Gypsum And Ceiling Manufacturing, Inc.

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### GRPT0000000003 (continued):

#### Narrative Requirements:

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Condition

No. Condition

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T-4 40 CFR Part 60 Subpart UUU - GENERAL REQUIREMENT

For each emission point for which the permittee operates a baghouse, the permittee shall operate the air control device according to the manufactures design and specifications and shall perform regular maintenance on the control equipment according to the manufacturer design and recommendations. This maintenance shall be kept in log form and made available to MDEQ during inspections. [11 Miss. Admin. Code Pt. 2, Ch. 2. II.B(10)]

## GENERAL INFORMATION

CertainTeed Gypsum And Ceiling Manufacturing, Inc.  
2710 Highway 11 South  
Meridian, MS  
Lauderdale County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
2338	BPB America, Inc.	Historic Site Name	12/22/2003	5/30/2008
2807500014	BPB America Inc	Air-AIRS AFS (MDEQ USE ONLY)	10/12/2000	12/22/2003
146000014	Celotex Corporation, The	Air-Title V Operating	4/2/1998	4/1/2003
MSR000911	Celotex Corporation, The	GP-Baseline	10/13/1993	1/18/2001
MSP090114	Celotex Corporation, The	Water - Pretreatment	1/24/1995	1/23/2000
MS0003107	Celotex Corporation, The	Water - NPDES	7/9/1996	7/8/2001
MSP090114	Celotex Corporation, The	Water - Pretreatment	9/30/1999	5/27/2004
MSP090114	Celotex Corporation, The	Water - Pretreatment	9/29/1999	9/30/1999
MSR000911	Celotex Corporation, The	GP-Baseline	1/18/2001	2/9/2006
MS0003107	BPB America, Inc., of BPB America, Inc.	Water - NPDES	5/16/2002	4/4/2007
2807500014	CertainTeed Gypsum & Ceiling Manufacturing, Inc.	Air-AIRS AFS	12/22/2003	
146000014	BPB	Air-Title V Operating	12/22/2003	11/30/2008
2338	Celotex Corporation, The	Historic Site Name	10/13/1993	12/22/2003
MSR000101253	BPB Meridian Plant	Hazardous Waste-EPA ID	1/24/2003	
MSP090114	BPB America, Inc.	Water - Pretreatment	5/27/2004	4/30/2009
MSR000911	BPB America Inc	GP-Baseline	2/9/2006	3/24/2011
146000014	CertainTeed Gypsum & Ceiling Manufacturing, Inc.	Air-Title V Fee Customer	4/2/1998	4/23/2009
MS0003107	BPB America Inc	Water - NPDES	4/4/2007	12/14/2011
2338	CertainTeed Gypsum & Ceiling Manufacturing, Inc.	Official Site Name	5/30/2008	
146000014	CertainTeed Gypsum And Ceiling Manufacturing, Inc.	Air-Synthetic Minor Operating	4/23/2009	3/31/2014
MSP090114	CertainTeed Gypsum And Ceiling Manufacturing, Inc.	Water - Pretreatment	7/13/2009	6/30/2014
WQC2003050	BPB Manufacturing, Inc., Access Road Construction	WQC Number	5/19/2003	
MS0301541R	BPB Manufacturing, Inc., Access Road Construction	COE Public Notice/ Permit Number	5/19/2003	6/17/2003

## GENERAL INFORMATION

ID	Alternate/Historic Name	User Group	Start Date	End Date
MSR000911	CertainTeed Gypsum & Ceiling Manufacturing, Inc.	GP-Baseline	3/24/2011	9/28/2015
MS0003107	CertainTeed Gypsum And Ceiling Manufacturing, Inc.	Water - NPDES	12/14/2011	11/30/2016
2338	Ceiling Tile Manufacturing	Air-Notification	6/25/2013	
MSP090114	CertainTeed Gypsum And Ceiling Manufacturing, Inc.	Water - Pretreatment	10/15/2014	9/30/2019
146000014	CertainTeed Gypsum And Ceiling Manufacturing, Inc.	Air-Synthetic Minor Operating	10/28/2014	9/30/2019

**Basin:** Pascagoula River Basin

**Location Description:**PG - Plant Entrance (General). Data collected by Chuck Gray on 5/2/02. Comments: Front entrance to plant.