





**Texas Commission on Environmental Quality  
Air Quality Permit**

*A Permit Is Hereby Issued To*  
**Georgia-Pacific Gypsum LLC**  
*Authorizing the Construction and Operation of*  
**Gypsum Wallboard Manufacturing Plant**  
*Located at* **Quanah, Hardeman County, Texas**  
*Latitude* 34° 19' 22" *Longitude* -99° 49' 19"

Permit: 20851

Amendment Date: TBD

Expiration Date: January 17, 2018

A handwritten signature in black ink, appearing to read "R. A. Hyle".

For the Commission

1. **Facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code (TAC) Section 116.116 (30 TAC § 116.116)]<sup>1</sup>
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the Texas Clean Air Act (TCAA), including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10 percent of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of phased construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter H, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall contact the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling

facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]

6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction in a timely manner; comply with any additional recordkeeping requirements specified in special conditions in the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)] <sup>1</sup>
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification in accordance with 30 TAC §101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC§ 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. **This** permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(e)]
12. **There** may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
13. **Emissions** from this facility must not cause or contribute to "air pollution" as defined in Texas Health and Safety Code (THSC) §382.003(3) or violate THSC § 382.085. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.
14. **The** permit holder shall comply with all the requirements of this permit. Emissions that exceed the limits of this permit are not authorized and are violations of this permit. <sup>1</sup>

<sup>1</sup> Please be advised that the requirements of this provision of the general conditions may not be applicable to greenhouse gas emissions.

## **Special Conditions**

Permit Number 20851

### **Emission Standards**

1. This permit authorizes only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emissions rates and other conditions specified in the table. In addition, this permit authorizes all emissions from planned startup and shutdown activities associated with facilities or groups of facilities that are authorized by this permit. **(12/13)**

### **Fuel Specifications**

2. Fuel for permitted operations (with the exception of space heaters) shall be pipeline-quality natural gas. Use of any other fuel will require prior approval of the Executive Director of the Texas Commission on Environmental Quality (TCEQ). Upon request by the Executive Director of the TCEQ or the TCEQ Regional Director or any local air pollution program having jurisdiction, the holder of this permit shall provide a sample and/or analysis of the fuels used in these facilities or shall allow air pollution representatives to obtain a sample for analysis. **(01/08)**

### **Federal Applicability**

3. These facilities shall comply with all applicable requirements of the U.S. Environmental Protection Agency (EPA) Regulations on Standards of Performance for New Stationary Sources (NSPS) promulgated in Title 40 Code of Federal Regulations (40 CFR) Part 60, specifically the following:
  - A. Subpart A - General Provisions; and
  - B. Subpart OOO - Nonmetallic Mineral Processing Plants **(12/13)**

### **Opacity/Visible Emission Limitations**

4. Opacity of particulate matter emissions from the Roller Mill Numbers (Nos.) 1-5 Baghouse Stacks (Emission Point Nos. [EPNs] EP-11, EP-22, EP-23, EP-24, and EP-25, respectively), Mill Kettle Bins and Screw Baghouse No. 6 Stack (EPN EP-21), Landplaster Conveyor Baghouse Stack (EPN EP-26), Nos. 1 and 2 Line Board Stucco Silo Baghouse Stacks (EPNs EP-36 and EP-54, respectively), Outdoor Stucco Conveyors Baghouse Stack (EPN EP-37), System Nos. 1 and 2 Baghouse Stacks (EPNs EP-47 and EP-81, respectively), Dens Shield Paint Line Baghouse Stack (EPN EP-48), Fiberglass Line Baghouse Stack (EPN EP-63), No. 2 Line Riser Baghouse Stack (EPN EP-64), Joint Production Baghouse Stack (EPN EP-73), and the Starch Silo Baghouse Stack (EPN EP-80) dust collector/baghouse stacks shall not exceed 5 percent averaged over a six-minute period, except during scheduled or planned maintenance, startup, or shutdown (MSS) activities (such as those times described in 30 Texas Administrative Code [30 TAC] § 101.211). Contributions from uncombined water vapor shall not be included in determining compliance with this condition. **(05/16)**

5. Opacity of particulate matter emissions from any conveyor or gypsum screening operations shall not exceed 10 percent averaged over a six-minute period, except during scheduled or planned MSS activities (such as those times described in 30 TAC § 101.211). **(05/16)**
6. Visible fugitive emissions, including those from any of the process buildings (including but not limited to Building Vents [EPNs EP-BV02; EP-BV03; EP-BV04; EP-BV05; EP-BV06; and EP-BV07]), raw material handling, or bulk loadout operations shall not leave the property for more than 30 cumulative seconds in any six-minute period. **(Date)**
7. In accordance with 40 CFR Part 60, Appendix A, Test Method 9 or equivalent, and except for those periods described in 30 Texas Administrative Code (30 TAC) § 101.201 and § 101.211, opacity of emissions from any transfer point on belt conveyors or from any screen shall not exceed 7 percent and from any crusher shall not exceed 12 percent for facilities (as defined in 40 CFR §§ 60.670 and 60.671) that commence construction, modification, or reconstruction on or after April 22, 2008. Opacity of emissions from any transfer point on belt conveyors or from any screen shall not exceed 10 percent and from any crusher shall not exceed 15 percent for facilities (as defined in 40 CFR §§ 60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008. The opacity of emissions shall not exceed the indicated percent averaged over a six-minute period. **(05/16)**

**Operational Limitations and Work Practice Representations**

8. The facility shall be limited to the following hourly and annual throughput rates: **(05/16)**

**Table 1: Hourly and Annual Plant Throughputs**

Source	Tons per hour	Tons per year in any rolling 12-month period
No. 1 Liner Board Dryer Wallboard Production	98	707,996
No. 2 Line Board Wallboard Production	96	691,391

9. The facilities are authorized to operate up to 8,760 hours per year. **(05/16)**
10. The Roller Mill burners shall be limited to a combined total of 340,000,000 standard cubic feet (340 MMscf) of natural gas fuel per year. **(05/16)**
11. Kettle Combustion Chamber Nos. 1 through 7 shall each be limited to 112,000,000 scf of natural gas fuel per year. **(01/08)**

12. The No. 1 Line Board Dryer Zone shall be limited to a combined total of 753,000,000 scf of natural gas fuel per year. **(01/08)**
13. The No. 2 Line Board Dryer Zone shall be limited to a combined total of 670,000,000 scf of natural gas fuel per year. **(01/08)**
14. Fabric filter baghouses designed to meet an outlet grain loading of not more than 0.01 grains/dry standard cubic foot (dscf), properly installed and in good working order, shall control particulate matter emissions from the Roller Mill Nos. 1-5 (Emission Point Nos. [EPNs] EP-11, EP-22, EP-23, EP-24, and EP-25, respectively), Mill Kettle Bins and Screw (EPN EP-21), Landplaster Conveyor (EPN EP-26), Nos. 1 and 2 Line Board Stucco Silo (EPNs EP-36 and EP-54, respectively), Outdoor Stucco Conveyors (EPN EP-37), System Nos. 1 and 2 (EPNs EP-47 and EP-81, respectively), Dens Shield Paint Line (EPN EP-48), Fiberglass Line (EPN EP-63), No. 2 Line Riser (EPN EP-64), Joint Production (EPN EP-73), and the Starch Silo (EPN EP-80) when these pieces of equipment are in operation. **(05/16)**
15. Fabric filter baghouses designed to meet an outlet grain loading of not more than 0.005 grains/dry standard cubic foot (dscf), properly installed and in good working order, shall control particulate matter emissions from the Paint Line and Dens Shield Paint Line (EPN EP-48), Fiberglass Line (EPN EP-63), and No. 2 Line Riser (EPN EP-64) when these pieces of equipment are in operation. **(05/16)**
16. An electrostatic precipitator, properly installed and in good working order, shall control particulate matter emissions from the kettle calciner. **(01/08)**
17. All hooding, duct, and collection systems shall be effective in capturing fugitive emissions. The hooding and duct system shall be maintained free of holes, cracks, and other conditions that would reduce the collection efficiency of the emissions capture system. **(01/08)**
18. Baghouse dust shall be disposed of in such a manner that will prevent dust from becoming airborne and shall be stored in enclosed structures below the baghouse until removed and transported to the landfill. **(01/08)**
19. The total volatile organic compound content of each coating material used at the Paint Line shall be limited to 0.50 percent by weight as applied to the wallboard. **(05/16)**
20. Spillage of any raw products, finished products, or waste products shall be cleaned up as soon as practical. Cleanup of these materials shall be accomplished in a manner that minimizes visible air emissions. **(01/08)**
21. All in-plant roads, stockpiles, truck loading and unloading areas, parking areas, and other traffic areas shall be sprinkled with water, and/or be paved (with a cohesive hard surface) and cleaned as necessary to maintain compliance with all applicable TCEQ rules and regulations. **(05/16)**

### **Demonstration of Continuous Compliance**

22. Upon request by the TCEQ Executive Director or the TCEQ Regional Director having jurisdiction, the holder of this permit shall perform stack sampling and/or other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere to demonstrate compliance with the MAERT and with emission performance levels as specified in the special conditions and/or otherwise prove satisfactory equipment performance. Sampling must be conducted in accordance with the TCEQ Sampling Procedures Manual and in accordance with the applicable EPA 40 CFR procedures. Any deviations from those procedures must be approved by the TCEQ Executive Director or the appropriate TCEQ Regional Director prior to conducting sampling. **(01/08)**
  
23. The holder of this permit shall conduct a quarterly visible emissions determination to demonstrate compliance with the opacity limitations specified in this permit for the Roller Mill Nos. 1-5 Baghouse Stacks (EPNs EP-11, EP-22, EP-23, EP-24, and EP-25, respectively), Mill Kettle Bins and Screw Baghouse No. 6 Stack (EPN EP-21), Landplaster Conveyor Baghouse Stack (EPN EP-26), Nos. 1 and 2 Line Board Stucco Silo Baghouse Stacks (EPNs EP-36 and EP-54, respectively), Outdoor Stucco Conveyors Baghouse Stack (EPN EP-37), System Nos. 1 and 2 Baghouse Stacks (EPNs EP-47 and EP-81, respectively), Dens Shield Paint Line Baghouse Stack (EPN EP-48), Fiberglass Line Baghouse Stack (EPN EP-63), No. 2 Line Riser Baghouse Stack (EPN EP-64), Joint Production Baghouse Stack (EPN EP-73), and the Starch Silo Baghouse Stack (EPN EP-80). This visible emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of six minutes, 3) approximately perpendicular to plume direction, 4) with the sun behind the observer (to the extent practicable), and 5) at least two stack heights, but not more than five stack heights, from the emission point. If visible emissions are observed from the emission point, the owner or operator shall:
  - A. Take immediate action to eliminate visible emissions, record the corrective action within 24 hours, and comply with any applicable requirements in 30 Texas Administrative Code (TAC) § 101.201, Emissions Event Reporting and Record Keeping Requirements; or
  - B. Determine opacity using 40 CFR Part 60, Appendix A, Test Method 9. If the opacity limit is exceeded, take immediate action (as appropriate) to reduce opacity to within the permitted limit, record the corrective action within 24 hours, and comply with applicable requirements in 30 TAC § 101.201, Emissions Event Reporting and Record Keeping Requirements. **(05/16)**
  
24. The holder of this permit shall conduct a quarterly visible emissions determination at the nearest property line to demonstrate compliance with the visible emissions limitation from any of the process buildings, raw material handling, or bulk loadout operations specified in Special Condition No. 6 of this permit. This visible emissions determination shall be performed: 1) during normal plant operations, 2) for a minimum of six minutes, 3) approximately perpendicular to plume direction, 4) with the sun behind the observer (to the extent practicable), 5) at least 15 feet, but not more than 0.25 mile, from the plume,

and 6) in accordance with EPA 40 CFR Part 60, Appendix A, Test Method 22, except where stated otherwise in this condition. If visible emissions exceed 30 cumulative seconds in any six-minute period, the owner or operator shall take immediate action (as appropriate) to eliminate the excessive visible emissions. The corrective action shall be documented within 24 business hours of completion. **(05/16)**

### **Compliance Assurance Monitoring**

25. The holder of this permit shall install and maintain a device to monitor and record pressure drop in the dust collectors that control the following sources: Roller Mill Nos. 1-5 Baghouse Stacks (EPNs EP-11, EP-22, EP-23, EP-24, and EP-25, respectively), Mill Kettle Bins and Screw Baghouse No. 6 Stack (EPN EP-21), Landplaster Conveyor Baghouse Stack (EPN EP-26) Nos. 1 and 2 Line Board Stucco Silo Baghouse Stacks (EPNs EP-36 and EP-54, respectively), Outdoor Stucco Conveyors Baghouse Stack (EPN EP-37), System Nos. 1 and 2 Baghouse Stacks (EPNs EP-47 and EP-81, respectively), Dens Shield Paint Line Baghouse Stack (EPN EP-48), Fiberglass Line Baghouse Stack (EPN EP-63), No. 2 Line Riser Baghouse Stack (EPN EP-64), and Joint Production Baghouse Stack (EPN EP-73). The monitoring device shall be maintained in accordance with the manufacturer's specifications and shall be accurate to within a range of  $\pm 0.5$  inches water gauge pressure ( $\pm 125$  pascals); or  $\pm 0.5\%$  of span. **(05/16)**

A minimum and maximum pressure drop shall be maintained at (or above) 0.5 inch water column ("WC) and below 10"WC. The actual pressure drop shall be recorded at least once per day. **(05/16)**

26. The holder of this permit shall install and maintain a device to monitor and record total secondary voltage on the Kettle Calciner Electrostatic Precipitator (ESP [EPN EP-27]). The monitoring device shall be maintained in accordance with the manufacturer's specifications and shall be accurate to within a range of  $\pm 2\%$  of reading; or  $\pm 5\%$  over its operating range. **(05/16)**
27. The total minimum secondary voltage for both ESP fields shall be maintained at (or above) the total minimum secondary voltage as demonstrated by a statistical evaluation of daily readings of Visible Emissions and the secondary voltage for a period of 60 days commenced within 180 days of permit issuance. The parameter shall also be recorded during any stack testing. The parameter shall be recorded at least once in 8 three-hour blocks starting each calendar day at midnight. Within 30 days of establishing the minimum secondary voltage limits, the permit holder shall apply for a permit action to update the permit with the new limits.

The holder of this permit may elect to collect monitoring data on a more frequent basis than specified in this Special Condition and average the data, consistent with the averaging times (i.e., minimum monitoring frequency) specified, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c). **(05/16)**

28. The holder of this permit shall install and maintain a device to monitor and record the secondary current in the Kettle Calciner Electrostatic Precipitator (EPN EP-27). The monitoring device shall be maintained in accordance with the manufacturer's specifications and shall be accurate to within a range of  $\pm 1\%$  of reading; or  $\pm 5\%$  over its operating range. **(05/16)**
29. The total secondary current shall be maintained at (or above) the total minimum current for both ESP fields established based on a statistical evaluation of daily readings of Visible Emissions and the secondary current for a period of 60 days commenced within 180 days of permit issuance. The parameter shall also be recorded during any stack testing. The parameter shall be recorded at least once in 8 three-hour blocks starting each calendar day at midnight. Within 30 days of establishing the minimum secondary current limits, the permit holder shall apply for a permit action to update the permit with the new limits.

The holder of this permit may elect to collect monitoring data on a more frequent basis than specified in this Special Condition and average the data, consistent with the averaging times (i.e., minimum monitoring frequency) specified, for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c). **(05/16)**

### **Sampling Requirements**

30. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at their own expense. Sampling ports and platforms shall be incorporated into the design of the stack(s) according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" prior to stack sampling. Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Office with jurisdiction.
31. Sampling shall be conducted in accordance with the TCEQ *Sampling Procedures Manual* and EPA Test Methods in 40 CFR Part 60, Appendix A, and 40 CFR Part 51, Appendix M, as follows:
  - A. Test Methods 1 through 4, as appropriate, for exhaust flow, diluent, and moisture concentration;
  - B. Test Method 5 or 17, modified with a controlled condensate method subject to approval from the TCEQ prior to sampling, for the concentration of total PM;
  - C. Test Method 5 or 17 for the filterable concentration of PM (front-half catch);
  - D. Test Method 5 or 201A, for the filterable concentration of PM<sub>10</sub> (front-half catch);
  - E. Test Methods 201A and 202 (or Test Method 5), modified with a controlled condensate method subject to approval from the TCEQ prior to sampling, for the concentration of PM<sub>10</sub> including back-half condensables;

- F. Test Method 6, 6a, 6c, or 8 for the concentration of SO<sub>2</sub>;
  - G. Test Method 7E, or equivalent methods, for the concentrations of NO<sub>x</sub> and O<sub>2</sub>;
  - H. Test Method 10 for the concentration of CO;
  - I. Test Method 25A, modified to exclude methane and ethane, for the concentration of VOC (to measure total carbon as propane);
  - J. Test Method 9 for opacity;
  - K. Test Method 22 for fugitive emissions from materials sources and smoke emissions from flares; and
  - L. Test Method 19 for applicable calculation methods.
32. A pretest meeting shall be held with personnel from the TCEQ before the required tests are performed. The TCEQ Regional Office with jurisdiction shall be notified not less than 45 days prior to sampling to schedule a pretest meeting. The notice shall include:
- A. DATE for pretest meeting;
  - B. DATE sampling will occur;
  - C. Points or sources to be sampled;
  - D. Name of firm conducting sampling;
  - E. Type of sampling equipment to be used; and
  - F. Method or procedure to be used in sampling.
- The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.
33. Alternate sampling methods and representative unit testing may be proposed by the permit holder. A written proposed description of any deviation from sampling procedures or emission sources specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. Such a proposal must be approved by the TCEQ Regional Office with jurisdiction at least two weeks prior to sampling.
34. Requests to waive testing for any pollutant specified shall be submitted, in writing, for approval to the TCEQ Office of Air, Air Permits Division in Austin.
35. During stack sampling emission testing, the facilities shall operate at maximum represented throughput rates. Primary operating parameters that enable determination of throughput rates shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting.

If the plant is unable to operate at the maximum represented production rates during testing, then additional stack testing shall be required when the production rate exceeds the previous stack test production rate by +10 percent unless otherwise determined, in writing, by the TCEQ Executive Director.

36. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office with jurisdiction. Additional time to comply with the applicable federal requirements requires EPA approval, and requests shall be submitted to the TCEQ Regional Office with jurisdiction.

37. Copies of the final sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed. Sampling reports shall comply with the attached provisions of Chapter 14 of the TCEQ *Sampling Procedures Manual*. The reports shall be distributed as follows:

One copy to the TCEQ Regional Office with jurisdiction.

38. If, as a result of stack sampling, compliance with the permitted emission rates cannot be demonstrated, the holder of this permit shall adjust any operating parameters so as to comply with Special Condition No. 1 and the permitted emission rates.

39. If the holder of this permit is required to adjust any operating parameters for compliance, then beginning no later than 60 days after the DATE of the test conducted, the holder of this permit shall submit to the TCEQ, on a monthly basis, a record of adjusted operating parameters and daily records of production sufficient to demonstrate compliance with the permitted emission rates. Daily records of production and operating parameters shall be distributed as follows:

One copy to the TCEQ Regional Office with jurisdiction.

One copy to the TCEQ Office of Air, Air Permits Division in Austin.

### **Recordkeeping Requirements**

40. The following records shall be maintained at this facility and made available at the request of personnel from the TCEQ or any other air pollution control program having jurisdiction. These records shall be totaled for each calendar month, retained for a rolling 60-month period, and include the following: **(01/08)**

A. Weekly and annual production of gypsum wallboard (in tons) for each of Wallboard Production Line Nos. 1 and 2, respectively; **(05/16)**

B. Annual natural gas usage for the Roller Mill burners, the Kettle Nos. 1 through 7, and each of the Wallboard Production Line Nos. 1 and 2 Dryers, respectively;

C. Records of total volatile organic compound content of each coating material used at the Paint Line; **(05/16)**

D. Fabric filter baghouse pressure drop readings (in inches of water column); **(05/16)**

- E. Electrostatic precipitator primary voltage (V) and primary current (A); **(05/16)**
- F. All monitoring data and support information as specified in 30 TAC § 122.144; **(05/16)**
- G. All malfunctions, repairs, and maintenance of abatement systems, which includes bag replacement and the manufacturer's suggested cleaning and maintenance schedule; **(05/16)**
- H. Quarterly observations for visible emissions and/or opacity determinations from the Roller Mill Nos. 1-5 Baghouse Stacks (Emission Point Nos. (EPNs EP-11, EP-22, EP-23, EP-24, and EP-25, respectively), Mill Kettle Bins and Screw Baghouse No. 6 Stack (EPN EP-21), Landplaster Conveyor Baghouse Stack (EPN EP-26), Nos. 1 and 2 Line Board Stucco Silo Baghouse Stacks (EPNs EP-36 and EP-54, respectively), Outdoor Stucco Conveyors Baghouse Stack (EPN EP-37), System Nos. 1 and 2 Baghouse Stacks (EPNs EP-47 and EP-81, respectively), Dens Shield Paint Line Baghouse Stack (EPN EP-48), Fiberglass Line Baghouse Stack (EPN EP-63), No. 2 Line Riser Baghouse Stack (EPN EP-64), Joint Production Baghouse Stack (EPN EP-73), and the Starch Silo Baghouse Stack (EPN EP-80); and **(05/16)**
- I. Quarterly observations for visible emissions from the process buildings, raw material handling, or bulk loadout operations. **(05/16)**

**Additional Limitations**

- 41. Line 1 shall not be operated until each of the following has occurred: **(01/12)**
  - A. The holder of this permit must submit a request for a permit alteration or amendment containing a full air quality impacts analysis that demonstrates emissions from Line 1 meet all applicable air quality standards and Effects Screening Levels in effect at the time of the request; and
  - B. The holder of this permit must receive approval, in writing, from the TCEQ Air Permits Division to restart Line 1.

Date: **TBD**

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20851

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
EP-QP1	Surface Miner Stockpile (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	<0.01
EP-QP2	Oversize Stockpile (5)	PM	0.09	0.38
		PM <sub>10</sub>	0.04	0.18
		PM <sub>2.5</sub>	<0.01	0.03
EP-QP3	Product Stockpile (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	<0.01
EP-QP4	Fines Stockpile (5)	PM	0.01	0.06
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
EP2-1F	New Plant Side Stockpile (5)	PM	0.50	2.18
		PM <sub>10</sub>	0.23	1.03
		PM <sub>2.5</sub>	0.04	0.16
EP2-4F	Outdoor Landfill (5)	PM	1.21	5.28
		PM <sub>10</sub>	0.57	2.50
		PM <sub>2.5</sub>	0.09	0.38
EP-PLT6	New Plant Side Stock Pile (5)	PM	0.01	0.06
		PM <sub>10</sub>	<0.01	0.03
		PM <sub>2.5</sub>	<0.01	<0.01
EP-QS	Quarry Pit Screener (5)	PM	1.10	2.06
		PM <sub>10</sub>	0.37	0.69
		PM <sub>2.5</sub>	0.03	0.05
EP-QS-TP	Material Transfer From Screener to Dump Truck (5)	PM	0.07	0.16
		PM <sub>10</sub>	0.02	0.05
		PM <sub>2.5</sub>	<0.01	<0.01

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
EP-11	Roller Mill Baghouse No. 1 Stack	PM	1.11	4.86
		PM <sub>10</sub>	1.11	4.86
		PM <sub>2.5</sub>	0.62	2.71
		VOC	0.06	0.26
		NO <sub>x</sub>	1.06	4.64
		SO <sub>2</sub>	0.01	0.03
		CO	5.78	25.31
EP-12	Material Transfer – Feed Hopper (5)	PM	0.28	0.52
		PM <sub>10</sub>	0.09	0.17
		PM <sub>2.5</sub>	0.03	0.05
12A	Rock Storage Building (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
EP-12D	Transfer From New Belt Conveyor to 500 Ton Tank (5)	PM	0.07	0.13
		PM <sub>10</sub>	0.02	0.04
		PM <sub>2.5</sub>	<0.01	0.01
EP-13	Transfer From 500 Ton Tank to 500 Ton Belt Conveyor No. 2 (5)	PM	0.01	0.04
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
EP-13A	Front-end Loader into Cement Hopper (5)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	0.01
EP-13B	Transfer From Cement Hopper onto Rock Belt Conveyor (5)	PM	<0.01	0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
EP-14	Transfer from 500 Ton Conveyor No. 2 to 500 Ton Belt Conveyor No. 3 (5)	PM	0.27	1.17
		PM <sub>10</sub>	0.10	0.43
		PM <sub>2.5</sub>	0.04	0.18
EP-15	Transfer from 500 Ton Belt Conveyor No. 3 to Hopper (5)	PM	0.27	1.17
		PM <sub>10</sub>	0.10	0.43
		PM <sub>2.5</sub>	0.04	0.18

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
EP-19	Landplaster Railcar Loading (5) (7)	PM	0.21	0.02
		PM <sub>10</sub>	0.18	0.01
		PM <sub>2.5</sub>	0.06	<0.01
EP-20	Landplaster Truck Loading (5) (7)	PM	2.03	0.11
		PM <sub>10</sub>	1.73	0.09
		PM <sub>2.5</sub>	0.61	0.03
EP-21	Kettle Rock Bin Dust Collector/Baghouse Stack	PM	1.71	7.51
		PM <sub>10</sub>	1.71	7.51
		PM <sub>2.5</sub>	0.90	3.93
EP-22	Roller Mill No. 2 Dust Collector/ Baghouse Stack	PM	0.99	4.33
		PM <sub>10</sub>	0.99	4.33
		PM <sub>2.5</sub>	0.54	2.36
		VOC	0.03	0.14
		NO <sub>x</sub>	0.59	2.58
		SO <sub>2</sub>	<0.01	0.02
		CO	3.21	14.06
EP-23	Roller Mill No. 3 Dust Collector/ Baghouse Stack	PM	1.11	4.86
		PM <sub>10</sub>	1.11	4.86
		PM <sub>2.5</sub>	0.62	2.71
		VOC	0.06	0.26
		NO <sub>x</sub>	1.06	4.64
		SO <sub>2</sub>	0.01	0.03
		CO	5.78	25.31
EP-24	Roller Mill No. 4 Dust Collector/ Baghouse Stack	PM	0.99	4.33
		PM <sub>10</sub>	0.99	4.33
		PM <sub>2.5</sub>	0.54	2.36
		VOC	0.03	0.14
		NO <sub>x</sub>	0.59	2.58
		SO <sub>2</sub>	<0.01	0.02
		CO	3.21	14.06
EP-25		PM	0.99	4.33

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Roller Mill No. 5 Dust Collector/ Baghouse Stack	PM <sub>10</sub>	0.99	4.33
		PM <sub>2.5</sub>	0.54	2.36
		VOC	0.03	0.14
		NO <sub>x</sub>	0.59	2.58
		SO <sub>2</sub>	<0.01	0.02
		CO	3.21	14.06
EP-26	No. 1 Landplaster Tank Dust Collector/Baghouse Stack	PM	0.17	0.75
		PM <sub>10</sub>	0.17	0.75
		PM <sub>2.5</sub>	0.09	0.39
EP-27	Kettle Calciner Electrostatic Precipitator Stack (8)	PM	14.14	61.95
		PM <sub>10</sub>	14.14	61.95
		PM <sub>2.5</sub>	8.80	38.53
EP-28	Kettle No. 1 Combustion Exhaust Stack	PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.06	0.24
		NO <sub>x</sub>	1.00	4.38
		SO <sub>2</sub>	0.01	0.03
		CO	0.84	3.68
EP-29	Kettle No. 2 Combustion Exhaust Stack	PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.06	0.24
		NO <sub>x</sub>	1.00	4.38
		SO <sub>2</sub>	0.01	0.03
		CO	0.84	3.68
EP-30	Kettle No. 3 Combustion Exhaust Stack	PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.06	0.24
		NO <sub>x</sub>	1.00	4.38

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		SO <sub>2</sub>	0.01	0.03
		CO	0.84	3.68
EP-31	Kettle No. 4 Combustion Exhaust Stack	PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.06	0.24
		NO <sub>x</sub>	1.00	4.38
		SO <sub>2</sub>	0.01	0.03
		CO	0.84	3.68
EP-32	Kettle No. 5 Combustion Exhaust Stack	PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.06	0.24
		NO <sub>x</sub>	1.00	4.38
		SO <sub>2</sub>	0.01	0.03
		CO	0.84	3.68
EP-33	Kettle No. 6 Combustion Exhaust Stack	PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.06	0.24
		NO <sub>x</sub>	1.00	4.38
		SO <sub>2</sub>	0.01	0.03
		CO	0.84	3.68
EP-34	Kettle No. 7 Combustion Exhaust Stack	PM	0.08	0.33
		PM <sub>10</sub>	0.08	0.33
		PM <sub>2.5</sub>	0.08	0.33
		VOC	0.06	0.24
		NO <sub>x</sub>	1.00	4.38
		SO <sub>2</sub>	0.01	0.03
		CO	0.84	3.68
EP-36		PM	0.39	1.73

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Stucco Bin No. 1 Dust Collector/Baghouse Stack	PM <sub>10</sub>	0.39	1.73
		PM <sub>2.5</sub>	0.21	0.90
EP-37	Kettle Feed Tank Dust Collector/Baghouse Stack	PM	0.80	3.49
		PM <sub>10</sub>	0.80	3.49
		PM <sub>2.5</sub>	0.42	1.83
EP-40/45/46	Wet-end Seal, Wallboard Line No. 1 Dryer, and Dry-end Seal Combined Exhaust Stack	PM	15.03	---
		PM <sub>10</sub>	12.75	---
		PM <sub>2.5</sub>	8.90	---
		VOC	28.87	---
		NO <sub>x</sub>	6.63	---
		SO <sub>2</sub>	0.04	---
		CO (9)	31.39	---
		Formaldehyde (10)	0.52	---
		Methanol (10)(11)	1.57	---
		Quinoline (10)	0.30	---
EP-62	Wallboard Line No. 2 Dryer and Wet-end Seal Combined Exhaust Stack	PM	13.87	---
		PM <sub>10</sub>	11.64	---
		PM <sub>2.5</sub>	8.27	---
		VOC	30.54	---
		NO <sub>x</sub>	7.65	---
		SO <sub>2</sub>	0.05	---
		CO (9)	30.64	---
		NH <sub>3</sub>	2.13	---
		Formaldehyde (10)	0.51	---
		Methanol (10)(11)	1.53	---
Quinoline (10)	0.30	---		
EP-40/45/46 and EP-62	Combined Emissions For Wet-end Seal, Wallboard Line No. 1 Dryer, and Dry-end Seal Combined Exhaust Stack and Wallboard Line No. 2 Dryer and Wet-end Seal Combined Exhaust Stack	PM	---	126.57
		PM <sub>10</sub>	---	106.83
		PM <sub>2.5</sub>	---	73.33
		VOC	---	260.22
		NO <sub>x</sub>	---	62.54

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		SO <sub>2</sub>	---	0.37
		CO (9)	---	271.69
		NH <sub>3</sub>	---	13.97
		Formaldehyde (10)	---	4.48
		Methanol (10)(11)	---	9.50
		Quinoline (10)	---	2.61
EP-47	Line No. 1 End Saw Dust Collector/Baghouse Stack	PM	1.02	4.47
		PM <sub>10</sub>	1.02	4.47
		PM <sub>2.5</sub>	0.53	2.34
EP-47A	Line No. 1 End Saw Fines Bulk Truck Loadout (5)	PM	0.19	0.06
		PM <sub>10</sub>	0.16	0.05
		PM <sub>2.5</sub>	0.06	0.02
EP-48	Paint Line and Holtec Saw Dust Collector/Baghouse Stack	PM	0.97	3.18
		PM <sub>10</sub>	0.97	3.18
		PM <sub>2.5</sub>	0.52	1.71
		VOC	0.71	3.12
		NH <sub>3</sub>	0.38	1.68
EP-48A	Paint Line and Holtec Saw Fines Bulk Truck Loadout (5)	PM	0.38	0.01
		PM <sub>10</sub>	0.32	0.01
		PM <sub>2.5</sub>	0.11	<0.01
EP-54	Stucco Bin No. 2 Dust Collector/Baghouse Stack	PM	0.39	1.73
		PM <sub>10</sub>	0.39	1.73
		PM <sub>2.5</sub>	0.21	0.90
EP-55	Line No. 2 Inline Coater Exhaust Stack	VOC	0.61	2.66
		NH <sub>3</sub>	0.61	2.66
EP-56	Line No. 2 Pin Mixer (5)	PM	0.09	0.38
		PM <sub>10</sub>	0.09	0.38
		PM <sub>2.5</sub>	0.03	0.11
EP-59	Line No. 2 Germane Jet Exhaust Stack	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
EP-63	Line No. 2 Vent Hood Dust Collector/ Baghouse Stack	PM	0.78	3.42
		PM <sub>10</sub>	0.78	3.42
		PM <sub>2.5</sub>	0.36	1.60
EP-63A	Front End Loader at Line No. 2 Scrap Hopper (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
EP-64	Riser Machine Dust Collector/Baghouse Stack	PM	0.28	1.22
		PM <sub>10</sub>	0.28	1.22
		PM <sub>2.5</sub>	0.15	0.65
EP-64A	Riser Machine Fines Bulk Loadout (5)	PM	0.12	<0.01
		PM <sub>10</sub>	0.10	<0.01
		PM <sub>2.5</sub>	0.04	<0.01
EP-67	Landplaster Railcar Transfer to Underground Screw (5)	PM	0.35	0.42
		PM <sub>10</sub>	0.30	0.35
		PM <sub>2.5</sub>	0.11	0.13
EP-67A	Manual Transfer into Blender (5)	PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
EP-67B	Blender Fines Bulk Truck Loadout (5)	PM	0.25	<0.01
		PM <sub>10</sub>	0.21	<0.01
		PM <sub>2.5</sub>	0.08	<0.01
EP-73	Ball Mill Additives Dust Collector/Baghouse Stack	PM	0.56	2.44
		PM <sub>10</sub>	0.56	2.44
		PM <sub>2.5</sub>	0.29	1.28
EP-80	Starch Silo Dust Collector/Baghouse Stack	PM	0.17	0.75
		PM <sub>10</sub>	0.17	0.75
		PM <sub>2.5</sub>	0.09	0.39
EP-81	Line No. 2 End Saws Dust Collector/Baghouse Stack	PM	0.44	1.92
		PM <sub>10</sub>	0.44	1.92
		PM <sub>2.5</sub>	0.23	1.01
Ep-81A	Fines Bulk Truck Loadout (5)	PM	0.19	0.06

## Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
		PM <sub>10</sub>	0.16	0.05
		PM <sub>2.5</sub>	0.06	0.02
EP-88	2,000 gallon Diesel Storage (5)	VOC	0.15	<0.01
EP-89	1,000 gallon Gasoline Storage Tank (5)	VOC	4.10	0.24
EP-90	10,000 gallon Diesel Storage Tank (5)	VOC	0.12	0.01
EP-91	2,000 gallon Gasoline Storage Tank (5)	VOC	4.14	0.38
EP-92	82 gallon Diesel Storage Tank (5)	VOC	0.14	<0.01
EP-93	500 gallon Used Oil Storage Tank A (5)	VOC	<0.01	<0.01
EP-94	500 gallon Used Oil Storage Tank B (5)	VOC	<0.01	<0.01
EP-96	Parts Washers (5)	VOC	0.73	3.22
EP-BV01	Building Vent - Roller Mills and Kettles (5)	PM	0.19	0.85
		PM <sub>10</sub>	0.14	0.60
		PM <sub>2.5</sub>	0.05	0.22
EP-BV02	Building Vent – Line No. 2 Dry Additives, Mat Printers, and Paper Heaters (5)	PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
		VOC	1.56	6.83
EP-BVo3	Building Vent - Coater Fugitives (5)	VOC	0.30	1.33
		NH <sub>3</sub>	0.30	1.33
EP-BV04	Building Vent – Spray Paint Booth (5)	PM	0.03	0.14
		PM <sub>10</sub>	0.03	0.14
		PM <sub>2.5</sub>	<0.01	0.02
		NH <sub>3</sub>	<0.01	0.01
EP-BV05	Building Vent – Paint Line Heaters 10 - 24, Holtec Saw, and Stamp Printer (5)	PM	0.18	0.59
		PM <sub>10</sub>	0.18	0.59
		PM <sub>2.5</sub>	0.07	0.21
		VOC	0.20	0.88
		NO <sub>x</sub>	0.22	0.72
		SO <sub>2</sub>	<0.01	<0.01
EP-BV06		PM	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (6)	
			lbs/hour	TPY (4)
	Building Vent – Paint Line Roll Coaters #1 and 1 and IR Heaters 1 - 9 (5)	PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
		VOC	2.85	12.49
		NO <sub>x</sub>	0.13	0.43
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.11	0.37
		NH <sub>3</sub>	1.54	6.73
EP-BV07	Building Vent – Line No. 1 Dry Additives, Mat Printers, Pin Mixer, and Paper Heaters (5)	PM	0.09	0.40
		PM <sub>10</sub>	0.09	0.40
		PM <sub>2.5</sub>	0.03	0.13
		VOC	1.61	7.02

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
 CO - carbon monoxide  
 NH<sub>3</sub> - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown emissions are included as well as planned maintenance activities identified as part of the permit alteration request submitted on January 3, 2013.
- (7) Emission Point Numbers EP-19 and EP-20 shall not operate simultaneously.
- (8) During startup of the electrostatic precipitator (EPN EP-27), the emission will be authorized by 30 TAC 106.263.
- (9) The hourly emission rate for CO shall be the limit for stack testing purposes. The hourly emission rate for reporting CO compliance with the permit shall be based on a 3-hour average.
- (10) The combination of all Hazardous Air Pollutants (HAPs) shall not exceed 25 tpy and 10 tpy of a single HAP.
- (11) Total plantwide methanol emissions shall not exceed 9.5 tpy.

Emission Sources - Maximum Allowable Emission Rates

Date:           **TBD**

# **Permit Amendment**

## **Source Analysis & Technical Review**

Company	<b>Georgia-Pacific Gypsum LLC</b>	Permit Number	<b>20851</b>
City	<b>Quanah</b>	Project Number	<b>172900</b>
County	<b>Hardeman</b>	Account Number	<b>HE-0006-D</b>
Project Type	<b>Amend</b>	Regulated Entity Number	<b>RN100216209</b>
Project Reviewer	<b>Patrick Agumadu, P.E.</b>	Customer Reference Number	<b>CN603141128</b>
Site Name	<b>Gypsum Wallboard Manufacturing Plant</b>		

### **Project Overview**

Georgia-Pacific (GP) Gypsum, Limited Liability Corporation (LLC) operates a Gypsum Wallboard Manufacturing Plant at 4164 Highway 285, Quanah, Hardeman County. The company manufactures interior and exterior gypsum wallboard for commercial and residential buildings.

This permit amendment is necessitated by audit findings and updated emission calculations. The amendment includes a request to include fugitive emission sources, mostly drop points, which have always been part of the process. In addition, the company requests that the following sources be included in their permit: five stamp or code printers, 1 wet additive aboveground storage tank (AST), and 1 paint spray booth. A majority of these existing emission sources exhaust inside a building and are incorporated in the emission points of the buildings. The fugitive emission points are grouped based on proximity to forced air building vents.

In addition, GP is also requesting a methanol emissions cap and a single emission limit for multiple wallboard dryer discharge points associated with Wallboard Production Line No. 1.

There is no new equipment, modification of equipment or process, or an increase in production associated with this amendment. GP is also quantifying their existing PM<sub>2.5</sub> emissions at this time so that they will be included in the Maximum Allowable Emission Rates Table (MAERT). Emissions associated with this amendment are listed in Table 1.

**Table 1: Emission Summary**

Contaminant	Current Allowable Emission Rates (tpy)	Proposed Allowable Emission Rates (tpy)	Change in Allowable Emission Rates (tpy)
PM	450.51	262.79	-187.72
PM <sub>10</sub>	237.51	234.91	-2.60
PM <sub>2.5</sub>	0.36*	145.74	+146.10
VOC	328.43	301.06	-27.37
NO <sub>x</sub>	126.77	111.37	-15.40
CO	106.13	391.23	+285.10
SO <sub>2</sub>	2.96	0.72	-2.24
Ammonia (NH <sub>3</sub> )	60.58	26.38	-34.20
HAPs	14.65	20.65	
Formaldehyde	0.21	4.48	+4.27
1,2 Ethanediol	8.27	--**	-8.27
Triethylamine	3.12	--**	-3.12
Methanol	--	9.50	+9.50
Quinoline	--	2.61	+2.61

\*The proposed MAERT includes PM<sub>2.5</sub> emissions that were always present, but were not previously quantified.

\*\*These pollutants are no longer included at this facility because the additives containing these compounds are no longer used at this plant. In addition, hexane was previously included in productions of combustion. It has been removed from combustion sources.

Maximum potential estimates in this application for all pollutants were based on published factors (AP-42), stack test data, TCEQ Guidance Document Titled "Rock Crushing Plants", experience with similar processes at other GP Gypsum plants, and engineering judgment.

## **Permit Amendment Source Analysis & Technical Review**

Permit No. 20851  
Page 2

Regulated Entity No. RN100216209

Impacts for PM<sub>2.5</sub> are discussed in the Impacts Evaluation Section of this technical review.

First public notice for this amendment included pollutants like lead, hexane, naphthalene, and acetaldehyde which are no longer emitted or very insignificant and not to be listed in the MAERT. These pollutants are not included in the second public notice.

### **Compliance History Evaluation - 30 TAC Chapter 60 Rules**

A compliance history report was reviewed on:	<b>04/13/2015</b>
Site rating & classification:	<b>2.24 / Satisfactory</b>
Company rating & classification:	<b>1.80 / Satisfactory</b>
If the rating is 50<RATING<55, what was the outcome, if any, based on the findings in the formal report:	<b>N/A</b>
Has the permit changed on the basis of the compliance history or rating?	<b>No</b>

### **Public Notice Information - 30 TAC Chapter 39 Rules**

<b>Rule Citation</b>	<b>Requirement</b>	
39.403	Is Public Notice Required?	<b>Yes</b>
	Date Application Received:	<b>12/21/2011</b>
	Date Administratively Complete:	<b>01/09/2012</b>
	Small Business Source?	<b>No</b>
	Date Leg Letters mailed:	<b>01/09/2012</b>
	Date Published:	<b>02/03/2012</b>
39.603	Publication Name:	<b><i>Quanah Tribune-Chief.</i></b>
	Pollutants:	<b>PM, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>, Pb, NH<sub>3</sub>, Organic Compounds and HAPs (including Formaldehyde, Quinoline, Hexane, Naphthalene, Acetaldehyde, and Methanol).</b>
	Date Affidavits/Copies Received:	<b>03/23/2012</b>
	Is bilingual notice required?	<b>No, the company verified that a bilingual education program is not required by the Texas Education Program in this district.</b>
39.604	Public Comments Received?	<b>Yes (1 comment).</b>
	Hearing Requested?	<b>Yes (2 hearing requests but 1 already withdrawn).</b>
	Meeting Request?	<b>No</b>
	Date Response to Comments sent to OCC:	
	Consideration of Comments:	
	Is 2nd Public Notice required?	<b>Yes</b>
39.419	Date 2nd Public Notice/Preliminary Decision Letter Mailed:	<b>07/10/2015</b>
39.413	Date Cnty Judge, Mayor, and COG letters mailed:	<b>N/A</b>
	Date Federal Land Manager letter mailed:	<b>N/A</b>
39.605	Date affected states letter mailed:	<b>N/A</b>

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<b>Rule Citation</b>	<b>Requirement</b>	
39.603	Date Published: <span style="float: right;"><b>08/14/2015</b></span>	
	Publication Name: <span style="float: right;"><b>Quanah Tribune-Chief.</b></span>	
	Pollutants: <span style="float: right;"><b>PM, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>, NH<sub>3</sub>, Organic Compounds and HAPs (including Formaldehyde, Quinoline, and Methanol).</b></span>	
	Date Affidavits/Copies Received: <span style="float: right;"><b>09/01/2015</b></span>	
	Is bilingual notice required? <span style="float: right;"><b>No, the company verified that a bilingual education program is not required by the Texas Education Program in this district.</b></span>	
	Date Certification of Sign Posting / Application Availability Received: <span style="float: right;"><b>09/23/2015</b></span>	
	Public Comments Received? <span style="float: right;"><b>No</b></span>	
	Meeting Request? <span style="float: right;"><b>No</b></span>	
	Date Meeting Held:	
	Hearing Request?	
	Date Hearing Held:	
	Request(s) withdrawn? <span style="float: right;"><b>1 request withdrawn.</b></span>	
	Date Withdrawn:	
	Consideration of Comments:	
	39.421	Date RTC, Technical Review & Draft Permit Conditions sent to OCC:
		Request for Reconsideration Received?
		Final Action: <span style="float: right;"><b>Issue</b></span>
Are letters Enclosed? <span style="float: right;"><b>Yes</b></span>		

### **Construction Permit & Amendment Requirements - 30 TAC Chapter 116 Rules**

<b>Rule Citation</b>	<b>Requirement</b>
116.111(a)(2)(G)	Is the facility expected to perform as represented in the application? <span style="float: right;"><b>Yes</b></span>
116.111(a)(2)(A)(i)	Are emissions from this facility expected to comply with all TCEQ air quality Rules & Regulations, and the intent of the Texas Clean Air Act? <span style="float: right;"><b>Yes</b></span>
116.111(a)(2)(B)	Emissions will be measured using the following <span style="float: right;"><b>Visibility, opacity, and recordkeeping.</b></span> method:
116.111(a)(2)(D)	Subject to NSPS? <span style="float: right;"><b>Yes</b></span> Subparts <b>A &amp; OOO for Nonmetallic Mineral Processing Plants.</b>
116.111(a)(2)(E)	Subject to NESHAP? <b>This facility is not regulated by 40 CFR Part 61.</b> <span style="float: right;"><b>No</b></span>
116.111(a)(2)(F)	Subject to NESHAP (MACT) for source categories? <b>This type of facility is not listed in 40 CFR 63.</b> <span style="float: right;"><b>No</b></span>
116.111(a)(2)(H)	Is nonattainment review required? <b>Hardeman County is designated as attainment/unclassified for all criteria pollutants.</b> <span style="float: right;"><b>No</b></span>
116.111(a)(2)(I)	Is PSD applicable? <b>The emission changes shown in this application reflect additional research, updated data and additional knowledge of plant operations and material usage. The availability of newer/better emissions factors and emissions test data regarding existing sources result in significant emission increases in CO but is not considered a modification and does not trigger retroactive PSD applicability. There are no physical or operational changes to the equipment at the facility. The increased CO emission increases come from the Wallboard Line Nos. 1 and 2 Dryers which have not undergone any changes since 1968 which predates PSD for CO.</b> <span style="float: right;"><b>No</b></span>

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Rule Citation	Requirement	
	Is the site a federal major source (100/250 tons/yr of a non-GHG pollutant)?	<b>Yes</b>
	Is the project a federal major modification for non-GHG pollutants?	<b>No</b>
	Is the project a federal major source for non-GHG pollutants by itself?	<b>No</b>
	If yes to either of the two questions above, is the project a GHG major source or major modification (75,000 tpy CO <sub>2</sub> e)?	<b>No</b>
116.111(a)(2)(L)	<b>Facility is not located in the Houston/Galveston/Brazoria ozone nonattainment area.</b>	<b>No</b>
116.140 - 141	Permit Fee: <b>\$900.00</b> Fee certification:	<b>Yes</b>

### **Title V Applicability - 30 TAC Chapter 122 Rules**

Rule Citation	Requirement	
122.10(14)(A)	Is the site a major source under FCAA Section 112(b)?	<b>Yes</b>
	Does the site emit 10 tons or more of any single HAP?	<b>Yes</b>
	Does the site emit 25 tons or more of a combination?	<b>No</b>
122.10(14)(C)	Is the site a federal major source (100/250 tons/yr of a non-GHG pollutant)	<b>Yes</b>
122.10(14)(D)	Is the site a non-attainment major source?	<b>No</b>
122.602	Periodic Monitoring (PM) applicability: <b>Special Conditions require quarterly observations of visible emissions and/or opacity.</b>	
122.604	<b>Compliance Assurance Monitoring (CAM) applicability: Special Conditions require reading and recording of the pressure drop for several listed baghouses for at least once per day. Special Conditions require monitoring the voltage and current of the WESP for at least once per day.</b>	

### **Request for Comments**

Received From	Program/Area Name	Reviewed By/Date	Comments
Region:	<b>3</b>	<b>Matthew Rosta (04/16/2014)</b>	<b>Recommended recordkeeping of the monitoring data.</b>
ADMT:		<b>Matt Kovar (01/30/2014)</b>	<b>The air quality analysis is acceptable.</b>
Legal:		<b>Katie Moore</b>	<b>Pending.</b>
Comment resolution and/or unresolved issues		<b>Special Condition (SC) No. 40F was added to the permit to address Mr. Rosta comments.</b>	

### **Process/Project Description**

Georgia-Pacific Gypsum LLC produces gypsum wallboard products. The gypsum is quarried on-site and transported by truck to the primary crusher, followed by sizing screens. Crushed and screened gypsum is conveyed to bins for storage. The gypsum is retrieved from storage and sent to one of five Raymond roller mills where the gypsum is further crushed to pass through mesh screens. Ground gypsum is forwarded to one of seven feed bins. These bins feed directly to the calcining kettles to remove free moisture. The calcined gypsum, also referred to as stucco, is cooled and conveyed to the stucco storage silos that feed the wallboard manufacturing line. The stucco is metered and mixed with water and small quantities of dry additives. The resulting slurry is sandwiched between two sheets of paper to form wallboard then sent to

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wallboard dryers to remove excess water. Finally, the wallboard is cut to the appropriate length, painted and packaged for sale and shipped off-site by rail or truck.

## Pollution Prevention, Sources, Controls and BACT- [30 TAC 116.111(a)(2)(C)]

All in-plant roads, stockpiles, truck loading and unloading areas, parking areas, and other traffic areas shall be sprinkled with water (70% control), and/or be paved. The feed hopper, crushers, and screens for sizing the raw material are equipped with water sprays and/or partial enclosures. Particulate matter emissions from the Raymond Mill Numbers (Nos.) 1-5, the Kettle Rock Bin, the No. 1 Landplaster Tank, the Stucco Bin Nos. 1 and 2, the Kettle Feed Tank, the Line Nos. 1 and 2 End Saws, the Ball Mill Additives, and the Starch Silo are all controlled by fabric filter baghouses with a maximum outlet grain loading of 0.01 grains per dry standard cubic foot (dscf). The Paint Line and Holtec Saw, Line No. 2 Hood, and Riser Machine are all controlled by fabric filter baghouses with a maximum outlet grain loading of 0.005 dscf. The kettle calciner is equipped with an electrostatic precipitator for particulate control. To minimize products of combustion, the Raymond mills, kettles, and wallboard dryers shall use only pipeline-quality sweet natural gas. The controls in place meet the current Best Available Control Technology with consideration given to the technical practicability and economic reasonableness of reducing or eliminating the emissions from this facility, and similar operations.

## Impacts Evaluation - 30 TAC 116.111(a)(2)(J)

Was modeling conducted?	<b>Yes</b>	Type of Modeling:	<b>AERMOD (Version 12345)</b>
Will GLC of any air contaminant cause violation of NAAQS?			<b>No</b>
Is this a sensitive location with respect to nuisance?			<b>No, per site review</b>
[§116.111(a)(2)(A)(ii)] Is the site within 3000 feet of any school?			<b>No, per site review</b>
Additional site/land use information: <b>Rural/agricultural</b>			

## Summary of Modeling Results

The following pollutants were evaluated using the Modeling and Effects Review Analysis flowchart: methanol, formaldehyde, and quinoline. The predicted off-property impacts formaldehyde met the requirements of Step 4C in the Modeling and Effects Review flowchart, and no additional review is required. The emissions of quinoline and methanol were evaluated with dispersion modeling and the off-property impacts were below the effects screening levels and no additional review is required. One pollutant, carbon monoxide, was evaluated for National Ambient Air Quality Standards compliance. The results are shown below:

**Table 2: NAAQS Analysis for CO**

Pollutant	Averaging Time	GLC <sub>max</sub> (µg/m <sup>3</sup> )	De Minimis (µg/m <sup>3</sup> )
CO	1-hr	649	2000
CO	8-hr	340	500

The GLC<sub>max</sub> are the maximum predicted concentrations associated with five years of meteorological data. Based on these results the Air Dispersion Modeling Team determined that the air quality analysis is acceptable.

Modeling was not performed for both PM<sub>10</sub> and PM<sub>2.5</sub> because in 2007, a plantwide modeling analysis was performed for PM<sub>10</sub>, including emissions from the Dryer Vents. PM<sub>2.5</sub> was not quantified then but if it was, it would have been treated as a surrogate to PM<sub>10</sub>, and no further impacts analysis would have been performed for PM<sub>2.5</sub>. Secondly, the pending permit application proposes lower PM and PM<sub>10</sub> emissions due to stack testing result and audit findings. Because PM<sub>2.5</sub> is a subset of PM and PM<sub>10</sub>, if PM<sub>2.5</sub> emissions were explicitly included in the current MAERT, this application would also show that

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PM<sub>2.5</sub> emissions would have been lower if previously quantified.

Under this project, GP is requesting to decrease emissions despite the addition of some sources which have been part of the process but were not included in the permit. The new and modified sources are no closer to the property line than other sources that were modeled historically for the site.

**Permit Concurrence and Related Authorization Actions**

Is the applicant in agreement with special conditions?	<b>Yes</b>
Company representative(s):	<b>Margaret Vest (Plant Envl Mgr)</b>
Contacted Via:	<b>email</b>
Date of contact:	<b>04/17/2015</b>
Other permit(s) or permits by rule affected by this action:	<b>No</b>
List permit and/or PBR number(s) and actions required or taken:	<b>N/A</b>

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Project Reviewer	Date	Team Leader/Section Manager/Backup	Date
Patrick N. Agumadu, P.E.		Bonnie B. Evridge/Stephanie L. Reagan, P.E.	

# TCEQ Interoffice Memorandum

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To: Wesley Smith, P.E.  
Mechanical/Agricultural/Construction Section

Thru: Daniel Menendez, Team Leader  
Air Dispersion Modeling Team (ADMT)

From: Matthew Kovar  
ADMT

Date: January 30, 2014

**Subject: Air Quality Analysis Audit – Georgia-Pacific Gypsum LLC (RN100216209)**

## 1. Project Identification Information

Permit Application Number: 20851  
NSR Project Number: 172900  
ADMT Project Number: 4183  
NSRP Document Number: 489851  
County: Hardeman  
ArcReader Published Map: <\\tceq4apmgisdata\GISWRK\APD\MODEL PROJECTS\4183\4183.pmf>

Air Quality Analysis: Submitted by Georgia-Pacific Gypsum LLC, November 2013.  
Revised modeling was submitted January 2014.

## 2. Report Summary

The air quality analysis is acceptable. The results are summarized below.

### A. Minor Source NSR and Air Toxics Analysis

**Table 1. Modeling Results for Minor NSR De Minimis**

Pollutant	Averaging Time	GLCmax ( $\mu\text{g}/\text{m}^3$ )	De Minimis ( $\mu\text{g}/\text{m}^3$ )
CO	1-hr	649	2000
CO	8-hr	340	500

The GLCmax are the maximum predicted concentrations associated with five years of meteorological data.

# TCEQ Interoffice Memorandum

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## 3. Model Used and Modeling Techniques

AERMOD (Version 12345) was used in a refined screening mode.

Each source was modeled in a separate source group to determine source culpability.

### A. Land Use

Medium roughness and elevated terrain were used in the modeling analysis. These selections are consistent with the AERSURFACE analysis, topographic map, DEMs, and aerial photography. The selection of medium roughness is reasonable.

### B. Meteorological Data

Surface Station and ID: Childress, TX (Station #: 23007)  
Upper Air Station and ID: Amarillo, TX (Station #: 23047)  
Meteorological Dataset: 2005-2009  
Profile Base Elevation: 595 meters

The applicant used a profile base elevation of 461 meters in the modeling analysis. This will not significantly affect the modeling results.

### C. Receptor Grid

The grid modeled was sufficient in density and spatial coverage to capture representative maximum ground-level concentrations.

### D. Building Wake Effects (Downwash)

Input data to Building Profile Input Program Prime (Version 04274) are consistent with the aerial photography, plot plan, and modeling report.

## 4. Modeling Emissions Inventory

The modeled emission point source parameters and rates were consistent with the modeling report. The source characterization used to represent the sources was appropriate.

Maximum allowable hourly emission rates were used for the short-term averaging time analyses.



# Compliance History Report

Compliance History Report for CN603141128, RN100216209, Rating Year 2015 which includes Compliance History (CH) components from September 1, 2010, through August 31, 2015.

<b>Customer, Respondent, or Owner/Operator:</b>	CN603141128, Georgia-Pacific Gypsum LLC	<b>Classification:</b> SATISFACTORY	<b>Rating:</b> 1.25
<b>Regulated Entity:</b>	RN100216209, ACME GYPSUM FACILITY	<b>Classification:</b> SATISFACTORY	<b>Rating:</b> 1.88
<b>Complexity Points:</b>	24	<b>Repeat Violator:</b> NO	
<b>CH Group:</b>	14 - Other		
<b>Location:</b>	4164 HIGHWAY 285 QUANAH, TX 79252, HARDEMAN COUNTY		
<b>TCEQ Region:</b>	REGION 03 - ABILENE		

**ID Number(s):**

**AIR OPERATING PERMITS** ACCOUNT NUMBER HE0006D  
**WASTEWATER** EPA ID TX0009334  
**AIR NEW SOURCE PERMITS** REGISTRATION 8860  
**AIR NEW SOURCE PERMITS** PERMIT 20851  
**AIR NEW SOURCE PERMITS** REGISTRATION 47814  
**AIR NEW SOURCE PERMITS** REGISTRATION 79117  
**AIR NEW SOURCE PERMITS** REGISTRATION 99674  
**AIR NEW SOURCE PERMITS** REGISTRATION 139559  
**AIR NEW SOURCE PERMITS** REGISTRATION 108312  
**INDUSTRIAL AND HAZARDOUS WASTE** EPA ID TXD008011686  
**STORMWATER** PERMIT TXR05U459  
**POLLUTION PREVENTION PLANNING** ID NUMBER P07396  
**AIR NEW SOURCE PERMITS** REGISTRATION 141875L001

**AIR OPERATING PERMITS** PERMIT 2753  
**AIR NEW SOURCE PERMITS** AFS NUM 4819700002  
**AIR NEW SOURCE PERMITS** REGISTRATION 15754  
**AIR NEW SOURCE PERMITS** REGISTRATION 39531  
**AIR NEW SOURCE PERMITS** ACCOUNT NUMBER HE0006D  
**AIR NEW SOURCE PERMITS** REGISTRATION 98837  
**AIR NEW SOURCE PERMITS** REGISTRATION 112103  
**AIR NEW SOURCE PERMITS** REGISTRATION 138693  
**ON SITE SEWAGE FACILITY** PERMIT 099010  
**INDUSTRIAL AND HAZARDOUS WASTE** SOLID WASTE REGISTRATION # (SWR) 32939  
**AIR EMISSIONS INVENTORY** ACCOUNT NUMBER HE0006D  
**AGGREGATES** REGISTRATION AP0000134

**Compliance History Period:** September 01, 2010 to August 31, 2015 **Rating Year:** 2015 **Rating Date:** 09/01/2015

**Date Compliance History Report Prepared:** August 11, 2016

**Agency Decision Requiring Compliance History:** Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.

**Component Period Selected:** September 01, 2010 to August 31, 2015

**TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.**

**Name:** TCEQ Staff Member

**Phone:** (512) 239-1000

**Site and Owner/Operator History:**

- 1) Has the site been in existence and/or operation for the full five year compliance period? YES
- 2) Has there been a (known) change in ownership/operator of the site during the compliance period? NO

**Components (Multimedia) for the Site Are Listed in Sections A - J**

**A. Final Orders, court judgments, and consent decrees:**

1 Effective Date: 03/16/2012 ADMINORDER 2011-1418-AIR-E (1660 Order-Agreed Order With Denial)

Classification: Moderate

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)  
 30 TAC Chapter 122, SubChapter B 122.147(a)(3)  
 5C THSC Chapter 382 382.085(b)

Rqmt Prov Special Condition 6 OP

Description: Failed to conduct compliance assurance monitoring ("CAM") at the No. 1 Line Board Stucco Silo Baghouse Stack [Emission Point No. ("EPN") EP-36]. Specifically, visible emissions monitoring was not conducted from November 29, 2008, the date that the CAM requirements became applicable, through March 27, 2011.

Classification: Moderate

Citation: 30 TAC Chapter 122, SubChapter B 122.143(4)  
30 TAC Chapter 122, SubChapter B 122.145(2)  
5C THSC Chapter 382 382.085(b)

Rqmt Prov General Terms and Conditions OP

Description: Failed to submit a semi-annual deviation report. Specifically, the Respondent did not report the deviation of the failure to perform CAM on the No. 1 Line Board Stucco Silo Baghouse Stack (EPN EP-36) from November 17, 2008 through March 27, 2011 until May 23, 2011. The deviation should have been initially reported in the deviation report for the October 24, 2008 through April 23, 2009 reporting period.

**B. Criminal convictions:**

N/A

**C. Chronic excessive emissions events:**

N/A

**D. The approval dates of investigations (CEEDS Inv. Track. No.):**

Item 1	September 20, 2010	(873975)
Item 2	September 30, 2010	(881570)
Item 3	November 29, 2010	(888088)
Item 4	December 13, 2010	(896314)
Item 5	January 14, 2011	(902372)
Item 6	August 23, 2011	(937903)
Item 7	January 24, 2012	(980604)
Item 8	May 08, 2012	(1002075)
Item 9	June 14, 2012	(1009466)

**E. Written notices of violations (NOV) (CEEDS Inv. Track. No.):**

A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

1 Date: 07/31/2015 (1260494)

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)  
30 TAC Chapter 122, SubChapter B 122.143(4)  
40 CFR Chapter 60, SubChapter C, PT 60, SubPT A 60.7(b)  
5C THSC Chapter 382 382.085(b)  
Special Condition 3 PERMIT  
Special Condition 4 OP

Description: Failure to maintain startup, shutdown, and malfunction (SSM) records during the periods of April 4, 2014, through November 24, 2014, and April 1, 2015 through April 12, 2015 for emission points EP-7, EP-9, and EP-13.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)  
30 TAC Chapter 122, SubChapter B 122.143(4)  
5C THSC Chapter 382 382.085(b)  
Special Condition 5 PERMIT  
Special Condition 8 OP

Description: Failure to properly control opacity of particulate matter emissions from the Primary and Secondary Crusher Conveyor (EP-5), allowing opacity to exceed 10 percent.

Self Report? NO Classification: Moderate

Citation: 30 TAC Chapter 116, SubChapter B 116.115(c)  
30 TAC Chapter 122, SubChapter B 122.143(4)  
5C THSC Chapter 382 382.085(b)  
Special Condition 4 PERMIT  
Special Condition 8 OP

Description: Failure to properly control opacity of particulate matter emissions from the System No. 2 Baghouse Stack (EP-81), allowing opacity to exceed 5 percent.

**F. Environmental audits:**

Notice of Intent Date: 04/03/2012 (1002718)  
Disclosure Date: 08/14/2012  
Viol. Classification: Moderate  
Citation: 40 CFR Chapter 112, SubChapter D, PT 112 112.7

Rqmt Prov: PERMIT TPDES TXR050000 Part III No. A.1.b.

PERMIT TPDES TXR050000 Part III No. A.5.b.

Description: Failure to update the facility's Spill Prevention, Control and Countermeasure (SPCC) Plan since September 2008 to reflect current site conditions and new facility response coordinators.

Viol. Classification: Moderate

Citation: 30 TAC Chapter 205, SubChapter A 205.4

Rqmt Prov: PERMIT TPDES TXR050000 Part III No. A.3.d.16.

PERMIT TPDES TXR050000 Part III No. A.3.d.2.

Description: Failure to update the facility's Stormwater Pollution Prevention Plan (SWPPP) since April 2011 to better delineate drainage areas and current material storage areas.

**G. Type of environmental management systems (EMSs):**

N/A

**H. Voluntary on-site compliance assessment dates:**

N/A

**I. Participation in a voluntary pollution reduction program:**

N/A

**J. Early compliance:**

N/A

**Sites Outside of Texas:**

N/A