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## **General Terms and Conditions**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL and 30 TAC Chapter 113, Subchapter C, § 113.690. No later than the compliance deadline specified in § 63.1351, the permit holder shall submit a revision application to codify the requirements in the permit.
  - F. Emission units subject to 40 CFR Part 63, Subpart LLL as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.690 which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)

- J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
    - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
      - (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
      - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months,

observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

- (3) Records of all observations shall be maintained.
- (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (5) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the

source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the

temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
- (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
  - (4) Compliance Certification:
    - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
    - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) to determine if the source is

in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- E. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- F. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: Storage of Volatile Organic Compounds, the permit holder shall comply with the requirements of 30 TAC § 115.112(e)(1).
- 5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)

- C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
6. For open storage piles; including equipment used in loading, unloading, and conveying operations; constructed, reconstructed, or modified after May 27, 2009, the permit holder shall comply with the following requirements of 40 CFR Part 60, Subpart Y for control of fugitive coal dust emissions:
- A. Title 40 CFR § 60.254(c) and (c)(1) (relating to Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems, and open storage piles), for preparation of and operation in accordance with a fugitive coal dust emissions control plan
  - B. Title 40 CFR § 60.254(c)(2) and (c)(6) (relating to Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems, and open storage piles), for control measures for open coal storage piles
  - C. Title 40 CFR § 60.254(c)(3) and (c)(3)(i) - (iv) (relating to Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems, and open storage piles), for alternative control measures
  - D. Title 40 CFR § 60.254(c)(4), (c)(4)(i) - (ii), and (c)(5)(ii) (relating to Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems, and open storage piles) for submittal of the fugitive coal dust emissions control plan
  - E. Title 40 CFR § 60.258(a) and (a)(6) (relating to Reporting and recordkeeping)
7. For the nonmetallic mineral processing operations specified in 40 CFR Part 60, Subpart OOO, the permit holder shall comply with the following requirements:
- A. Title 40 CFR § 60.670(f) (relating to Applicability and Designation of Affected Facility), for Table 1 for Subpart A
  - B. Title 40 CFR § 60.673(a) - (b) (relating to Reconstruction)

- C. Title 40 CFR § 60.676(h) (relating to Reporting and Recordkeeping)
- 8. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

### **Additional Monitoring Requirements**

- 9. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:
  - A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
  - B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
  - C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” 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).
  - D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
  - E. Except for emission units using a CEMS, COMS or PEMS which meets the requirements of 40 CFR § 64.3(d)(2), the permit holder shall comply with either of the following requirements for any particulate matter capture system associated with the control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective action:
    - (i) Once per year the permit holder shall inspect any fan for proper operation and inspect the capture system used in compliance of CAM for cracks, holes, tears, and other defects; or

- (ii) Once per year, the permit holder shall inspect for fugitive emissions escaping from the capture system in compliance of CAM by performing a visible emissions observation for a period of at least six minutes in accordance with 40 CFR Part 60, Appendix A, Test Method 22.
  - F. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
10. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” 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 to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

### **New Source Review Authorization Requirements**

11. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
- A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
12. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
13. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment.

The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144.

- A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
  - B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).
14. The permit holder shall comply with the following requirements for Air Quality Standard Permits:
- A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit
  - B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit
  - C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

### **Compliance Requirements**

15. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
16. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:
- A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:
    - (i) For sources in the Dallas-Fort Worth Eight-Hour Nonattainment area, 30 TAC § 117.9030

- B. The permit holder shall comply with the Initial Control Plan unit identification requirements in 30 TAC § 117.450(a) and (a)(1).
  - C. The permit holder shall comply with the requirements of 30 TAC § 117.454 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.456 for Revision of Final Control Plan.
  - D. The permit holder shall comply with the compliance schedule as required in 30 TAC § 117.9320 for cement kilns.
17. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
18. Use of Discrete Emission Credits to comply with the applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117

- (iii) If applicable, offsets for Title 30 TAC Chapter 116
  - (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
- (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
  - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
  - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
  - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

### **Protection of Stratospheric Ozone**

19. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.
- A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
  - B. Any on site servicing, maintenance, and repair of fleet vehicle air conditioning using ozone-depleting refrigerants shall be conducted in accordance with 40 CFR Part 82, Subpart B. Permit holders shall ensure that repairs or refrigerant removal are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart B.

### **Alternative Requirements**

20. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or

requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from (the EPA Administrator and/or TCEQ Executive Director), demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

### **Permit Location**

21. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

### **Permit Shield (30 TAC § 122.148)**

22. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

**Alternative Requirement**

## **Applicable Requirements Summary**

**Unit Summary ..... 18**

**Applicable Requirements Summary ..... 35**

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
38AD*	COAL PREPARATION PLANTS	N/A	60Y-CSTOR2	40 CFR Part 60, Subpart Y	No changing attributes.
38AE*	COAL PREPARATION PLANTS	N/A	60Y-PNMCLN	40 CFR Part 60, Subpart Y	No changing attributes.
GRP-CCONV	COAL PREPARATION PLANTS	L11-AF1, L11-BC1, L11-BC2, L11-BC3, L11-BC4, L11-BC5, L11-RF1, L11-RF3, L11-SX1, L11-VS1, L31-AF1, L31-AF2, L31-BC1, L31-BC2, L31-RF1, L31-RF2, L31-SX1, L31-SX2, L32-BC1, L32-RF1, L32-SX1, L32- WF1, L91- RF2, L92-RF1, L92- RF2, L92-SC1, L92-SC2, L92- WF1, L92-WF2, L92-WF3	60Y-CCONV	40 CFR Part 60, Subpart Y	No changing attributes.
GRP-CSTOR	COAL PREPARATION PLANTS	13*, 38A*, L11- HP1, L11-HP2, L92-FB1	60Y-CSTOR	40 CFR Part 60, Subpart Y	No changing attributes.
L11-BC9	COAL PREPARATION PLANTS	N/A	60Y-CCONV2	40 CFR Part 60, Subpart Y	No changing attributes.
L11-HP3	COAL PREPARATION PLANTS	N/A	60Y-CSTOR2	40 CFR Part 60, Subpart Y	No changing attributes.

## Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
L11-HP4	COAL PREPARATION PLANTS	N/A	60Y-CSTOR2	40 CFR Part 60, Subpart Y	No changing attributes.
62*	DRYER/KILN/OVEN	N/A	R73123-2	30 TAC Chapter 117, Cement Kilns	No changing attributes.
7*	DRYER/KILN/OVEN	N/A	R73123-1	30 TAC Chapter 117, Cement Kilns	No changing attributes.
GRP-KLNSTK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	62*, 7*	R1111-KLNSTK	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-OSTK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	23*, 29*, 66*	R1111-OSTK	30 TAC Chapter 111, Visible Emissions	No changing attributes.
F20-FT2	LOADING/UNLOADIN G OPERATIONS	N/A	R5217-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRP-TNKOCL	LOADING/UNLOADIN G OPERATIONS	N/A	R5217-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
TK-LOADKLN	LOADING/UNLOADIN G OPERATIONS	N/A	R5217-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
2*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-2*	40 CFR Part 60, Subpart 000	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
3*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-3*	40 CFR Part 60, Subpart OOO	No changing attributes.
42*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-42*	40 CFR Part 60, Subpart OOO	No changing attributes.
75C*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60-000-75C*	40 CFR Part 60, Subpart OOO	No changing attributes.
GRP-CCOOL	NON-METALLIC MINERAL PROCESSING PLANTS	471-GQ1A, 472- GQ1A	63LLL-CCOOL	40 CFR Part 63, Subpart LLL	No changing attributes.
GRP-CSTP13	NON-METALLIC MINERAL PROCESSING PLANTS	311-3B1A, 311- 3B2A, 311-3B3A, 311-3B4A, 311- BC1, 311-BC2A, 311-BC2B, 311- BC3A, 311-BC3B, 311-BC5, 311- BC6A, 311-BC6B, 311-BC7A, 311- BC7B, 311-BC8A, 311-BC8B, 311- BC8C, 311-BF1A, 311-BF1B, 311- BF2, 311-BF3, 312- CH2, 312-CH3, 321-BC1, 321-CH1, 322-BC1A, 322-	63LLL-CSTP13	40 CFR Part 63, Subpart LLL	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		BC1B, 322-BF1A, 322-BF1B, 322- CH1, 32A-AF1, 32A-BC3A, 32A- BC3B, 32A-BC3C, 32A-BF1, 331-BC1, 331-NG1, 331- NG2, 331-NG3, 331-SG4, 331-SX5, 331-SX6, 331-SX7, 331-SX8, 331-WF1, 331-WF2, 331- WF3, 331-WF4, 332-CH1, 332- CH2, 332-CH3, 332-CH4, 332- CH5, 332-CH6, 332-CH7, 332- CH8, 332-CH9, 332-FV1, 332- WF3A, 332-WF3B, 332-WF4A, 332- WF4B, 361-CN1, 361-CN2, 361- CN3, 361-CN4, 361-DU1A, 361- DU1B, 361-DU5A, 361-DU5B, 361- DU5C, 361-DU5D, 362-CH1, 362- DU1A, 362-DU1B,			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		391-3B1A, 391-3S1A, 391-3S2A, 391-AS3, 391-AS6, 391-AS7, 391-AS9, 391-ASA, 391-ASB, 391-ASC, 391-ASDA, 391-ASDB, 391-ASF, 391-BE1A, 391-BE1B, 391-BE2, 391-BE3, 391-BF1A, 391-BF1B, 391-BF3, 391-BF4, 391-BF6, 391-FM1A, 391-FM1B, 391-PC1A, 391-PC1B, 391-PC1C, 391-RF1, 391-RF2, 391-RF5, 391-SC3, 391-SC4, 391-SC5, 391-SC6A, 391-SC6B, 392-3B1A, 392-3S1A, 392-AS1A, 392-AS1B, 392-AS4.1AS, 392-AS4.3AS, 392-AS6, 392-AS7, 392-BE2, 392-BF1, 392-BF2, 392-BI1A, 392-CH1, 392-CH2, 392-			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		CH4, 392-CH5, 392-CH6A, 392- CH6B, 392-CH8, 392-FM1A, 392- FM1B, 392-PC1A, 392-PC2A, 392- SC1--SC8A, 392- SC1--SC8B, 392- SC9, 392-SCA, 392-SCBA, 392- SCBB, 392-SCCA, 392-SCCB, 392- SCD, 392-SCE, 411-AS1, 411-AS2, 411-AS7, 411-BF1, 411-CH1A, 411- CH1B, 412-CH1C, 412-CH2, 412- CH4, 412-CH5, 412-CH6, 412- CH7, 421-BF1A, 421-BF1B, 421- SC1A, 421-SC1B, 421-SC2, 421-SC3, 422-BF1, 422-CH1, 422-CH2, 422- SC2, 431- AS1A, 431-AS1B, 431- AS2, 431-BE1, 431- BF1, 431-BF2, 431- FB1A, 431-FM1,			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		431-RF1, 432-CH1, 432-CH10, 432- CH11, 432-CH2, 432-CH3, 432- CH5, 432-CH6, 432-CH7, 432- CH8, 432-FB1A, 441-CT1, 441-DU1, 442-DU1, 442- EC1, 451-BC1, 451- CH1, 451-HP1A, 451-SC1, 452- BI1A, 452-CH1, 452-CH2, 452- CH3, 461-KL1, 462-CH1, 462- CH2, 462-KL1, 471-AQ1, 471-CN1, 471-DE1, 471- GQ1B, 471-GQ1C, 471-HC1, 471- MC1A, 471-MC1B, 472-DU1, 472- GQ1B, 491-3S8A, 491-AC2, 491-BC1, 491-BF1, 491-BF2, 491-CH1A, 491- CH1B, 491-CH2A, 491-CH2B, 491- CV1A, 491-CV1B, 491-CV3, 491-CV4,			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		491-CV5A, 491-CV5B, 491-CV5C, 491-CV5D, 491-CV6A, 491-CV6B, 491-CV6C, 491-CV6D, 491-HP1A, 491-SC1, 491-SC2, 491-SC3, 491-SC4, 491-SC5, 491-SC7, 492-AC2A, 492-AC2B, 492-CH10, 492-CH11, 492-CH12, 492-CH13, 492-CH2, 492-CH3, 492-CH4, 492-CH5, 492-CH6, 492-CH8, 4A1-3B1A, 4A1-3B1B, 4A1-BE1, 4A1-BF4, 4A1-CT1, 4A1-LS1, 4A1-LS2, 4A1-RF1, 4A1-SC1, 4A1-SC2, 4A1-SC3, 4A1-SC4, 4A1-SC5, 4A1-SC6, 4A1-SC7, 4A1-SCA, 4A1-SCB, 4A1-SCC, 4A1-SCD, 4A1-SCE, 4A1-SCF, 4A1-SCG, 4A1-SG1, 4A1-WE1,			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		4A2-BF1A, 4A2-BF1B, 4A2-BF1C, 4A2-CH9, 4A2-PC1, 4A2-SC1--SC3, 4A2-SC4--SC6, 4A2-SC7, 4A2-SC8, 4A2-SC9			
GRP-CSTP13B	NON-METALLIC MINERAL PROCESSING PLANTS	521-BC1, 521-BC2A, 521-BC2B, 521-BC3A, 521-BC3B, 521-BF1, 521-BF2, 521-BF6, 521-HP1A, 521-RF6A, 521-RF6B, 521-SX1, 521-SX6, 521-WF1A, 521-WF1B, 521-WF6, 522-BF1, 522-RF6A, 522-RF6B, 522-SC6, 522-SX1, 522-SX6, 522-WF1A, 522-WF1B, 522-WF6, 523-CH1, 523-CH2, 523-CH3, 523-CH4, 523-CH5, 523-CH6, 523-CH8, 531-BC1, 531-BF1, 531-BF4, 531-BF7, 531-WF1A, 531-WF1B,	63LLL-CSTP13	40 CFR Part 63, Subpart LLL	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		531-WF4A, 531-WF4B, 531-WF7A, 531-WF7B, 532-BC1, 532-BF2, 532-BF3, 532-BF5, 532-BF8, 532-SX3A, 532-SX3B, 532-WF2A, 532-WF2B, 532-WF3A, 532-WF3B, 532-WF5A, 532-WF5B, 532-WF8A, 532-WF8B, 533-BF1, 533-BF2, 533-BF3, 533-BF4, 533-CH1, 533-CH10, 533-CH2, 533-CH3, 533-CH4, 533-CH5A, 533-CH5B, 533-CH6A, 533-CH6B, 533-CH7A, 533-CH7B, 533-CH8, 533-CH9, 533-WF5, 561-AS1, 561-AS3, 561-AS6, 561-BE1, 561-BF1, 561-BM1A, 561-BM1B, 561-SR1A, 561-SR1B, 562-AS1, 562-AS3, 562-AS6,			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		562-BE1, 562-BF1, 562-BM1A, 562- BM1B, 562-SR1A, 562-SR1B, 563- AS1, 563-BF1A, 563-BF1B, 563- BF2, 563-BM1A, 563-CH2, 563- CH3A, 563-CH3B, 563-CH4, 563- CH7, 563-RF1, 563-SC1, 59A-AS1, 59A-AS3, 59A- AS5, 59A-AS6, 59A-BE1, 59A- MW1, 59A-MW3, 59A-MW4, 591- 3SA, 591-3SB, 591- 3SC, 591-3SD, 591- AS1, 591-AS4, 591- AS5, 591-AS7, 591- AS8A, 591-AS8B, 591-ASA, 591-ASC, 591-ASD, 591-ASE, 591-ASF, 591-ASH, 591-ASK, 591- ASM, 591-ASR, 591-ASS, 591-BE1, 591-BEA, 591-BF1, 591-BF2, 591-BF3, 591-BFA, 591-BFB,			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		591-CH23, 591-CH3, 591-CQ1A, 591-CQ1B, 591-SC2, 591-SC3, 591-SM1, 592-ASB, 592-ASC, 592-ASD, 592-CQ1A, 592-CQ1B, 592-SM1, 593-AS1, 593-AS2, 593-AS4, 593-CH1, 593-CH2, 593-CH3, 593-CH4, 593-CH5, 593-RF1, 593-RF2, 59A-AS2, 59A-AS4, 59A-AS7, 59A-AS8, 59A-BE3, 59A-BEA, 59A-BF1, 59A-BF3, 59A-BF4, 59A-BFA, 59A-BFB, 59A-MW2, 59A-MW5, 611-AS1, 611-AS2, 611-BF1, 612-AS1, 612-BF1, 612-DB1, 613-AS1, 614-AS1, 614-AS2, 614-BF1, 615-AS1, 615-BF1, 615-DB1, 616-AS1, 616-RF1,			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		617-AS1, 617-AS2, 617-BF1, 618-AS1, 618-BF1, 618-DB1, 621-AS1, 621-AS2, 621-AS3, 621-AS5, 621-LA1, 622-AS1, 622-AS2, 622-AS3, 622-AS4, 622-AS5, 622-AS6, 622-AS7, 622-AS8, 622- AS9, 622-LA1, 627-AS1, 627-AS3, 627-LA1, 627- LA1.1BF, 628-AS2, 628-AS4, 628- LA2, 628- LA2.1BF, 62A-PI1, 633-AS4, 633-AS5, 633-AS6, 633-AS7, 633-AS8, 633- DB1, 633-LA1, 634-AS1, 634-AS2, 634-AS3, 634-LA1, 634-LA1.1BF, 635- ASA, 635-ASB, 635-ASC, 635- ASD, 635-ASE, 635-ASF, 635- ASG, 635-ASH, 635-BF1, 635-BF2, 635-DB1, 635-			

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		DBC, 635-DBD, 635-LA1, 635-LA2, 6E1-AS1, 6E1-AS2, 6E1-AS3, 6E1-AS4, 6E1-AS5, 6E1-AS6, 6E1-BC1, 6E1-BE1, 6E1-BF1, L11-AF1, L11-BC1, L11- HP1A, L11-MW1A, L11-MW1B, L11- SX1, L91-RF2, P31-AS1A, P31- AS1B, P31-RF1, P31-SC1, P32-AS1, P32-FB1, P32-SC1, T21-BC1, T23- CH1, T23-CH2, T31-WF1A, T31- WF1B, T32-WF1B, T32-WF1A			
GRP-CSTP2	NON-METALLIC MINERAL PROCESSING PLANTS	311-HP1A, P71- VB1, P71-VB2, P91-BC1	63LLL-CSTP2	40 CFR Part 63, Subpart LLL	No changing attributes.
GRP-FMILL	NON-METALLIC MINERAL PROCESSING PLANTS	561-BM1C, 562- BM1C, 563-BM1	63LLL-FMILL	40 CFR Part 63, Subpart LLL	No changing attributes.
GRP-KILN	NON-METALLIC MINERAL PROCESSING PLANTS	62*, 7*	63LLL-1	40 CFR Part 63, Subpart LLL	Performance Test Temperature = Less than or equal to 204° C (400° F).

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRP-KILN	NON-METALLIC MINERAL PROCESSING PLANTS	62*, 7*	63LLL-2	40 CFR Part 63, Subpart LLL	Performance Test Temperature = Greater than 204° C (400° F).
GRP-MSTOR	NON-METALLIC MINERAL PROCESSING PLANTS	22A-HP2, 311- 3B1B, 311-3B2B, 311-3B3B, 311- 3B4B, 311-HP1B, 312-3B1, 322-3B1, 322-3B3, 322-3B4, 32A-3P1, 391- 3B1B, 391-3S1B, 391-3S2B, 392- 3B1B, 392-3S1B, 392-B11B, 392- FB1, 392-PC1B, 392-PC2B, 431- FB1B, 432-FB1B, 451-HP1B, 452- B11B, 491-3S1, 491-3S2, 491-3S3, 491-3S4, 491-3S5, 491-3S6, 491-3S7, 491-3S8B, 491- HP1B, 492-3S1, 492-3S2, 4A1- 3B1C, 521-3S1, 521-HP1B, 591- 3S1, 591-3S2, 591- 3S3, 591-3S4, 591- 3S5, 591-3S6, 591- 3S7, 591-3S8, K93-	63LLL-MSTOR	40 CFR Part 63, Subpart LLL	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		3B1, L11-HP1B, P31-FB1, T21-3B1, T22-3B1, T23-3S1			
GRP-QCONIC	NON-METALLIC MINERAL PROCESSING PLANTS	211-AF2, 211-BC5, 211-SX2, 220-AC1, 220-SX1, 290-BC1, 291-BC1	60000-QCONIC	40 CFR Part 60, Subpart 000	No changing attributes.
GRP-QCONIU	NON-METALLIC MINERAL PROCESSING PLANTS	LT-140(1), LT- 140(2)	60000-QCONIU	40 CFR Part 60, Subpart 000	No changing attributes.
GRP-QCONN	NON-METALLIC MINERAL PROCESSING PLANTS	211-BC2, 211-BC3, 211-BC4, 291-BC2, 291-BC3, BC-1, BC-2, LL1(1), LL1(2), LL2(1), LL2(2), ZQLMYL(1), ZQLMYL(2)	60000-QCONN	40 CFR Part 60, Subpart 000	No changing attributes.
GRP-QCRUSH	NON-METALLIC MINERAL PROCESSING PLANTS	1A*, 75A*	60000-QCRUSH	40 CFR Part 60, Subpart 000	No changing attributes.
LSS	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-LSS	40 CFR Part 60, Subpart 000	No changing attributes.
MAINTPW	SOLVENT DEGREASING MACHINES	N/A	R5412-1	30 TAC Chapter 115, Degreasing Processes	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
EMERGGEN1	SRIC ENGINES	N/A	R7403-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
EMERGGEN2	SRIC ENGINES	N/A	R7403-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
PONDPUMP	SRIC ENGINES	N/A	R7403-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
PONDPUMP	SRIC ENGINES	N/A	63ZZZZ-1	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
QWPUMP	SRIC ENGINES	N/A	R7403-2	30 TAC Chapter 117, Subchapter B	No changing attributes.
QWPUMP	SRIC ENGINES	N/A	63ZZZZ-2	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
F20-FT2	STORAGE TANKS/VESSELS	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRP-TNKOCL	STORAGE TANKS/VESSELS	FUG-1A*, FUG- 1B*, FUG-1G*	R5112-TNKOCL	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
38AD*	EU	60Y-CSTOR2	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) § 60.255(b)(2)(i) § 60.255(b)(2)(ii) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)
38AE*	EU	60Y-PNMCLN	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.253(b)(2) § 60.253(b) § 60.257(a)	An owner or operator of pneumatic coal-cleaning equipment constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the pneumatic coal-cleaning equipment any gases that exhibit greater than 5 percent opacity.	§ 60.255(b) § 60.255(b)(2)(i) § 60.255(b)(2)(ii) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)
38AE*	EU	60Y-PNMCLN	PM	40 CFR Part 60, Subpart Y	§ 60.253(b)(1) § 60.253(b) § 60.255(d) [G]§ 60.255(e)	An owner or operator of pneumatic coal-cleaning equipment constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the pneumatic coal-cleaning equipment any gases that contain PM in excess or 0.023 g/dscm (0.010	§ 60.255(b) § 60.255(b)(1) § 60.255(b)(1)(iii)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(3)	§ 60.258(b) § 60.258(c) § 60.258(d)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						gr/dscf).			
GRP-CCONV	EU	60Y-CCONV	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.	§ 60.255(a) ** See Periodic Monitoring Summary	None	None
GRP-CSTOR	EU	60Y-CSTOR	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(a)	On and after the date on which the performance test is conducted or required to be completed under §60.8, whichever date comes first, an owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified on or before April 28, 2008, gases which exhibit 20 percent opacity or greater.	§ 60.255(a) ** See Periodic Monitoring Summary	None	None
L11-BC9	EU	60Y-CCONV2	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b)	Except as provided in paragraph (b)(3) of this	§ 60.255(b) § 60.255(b)(2)(i)	§ 60.258(a) § 60.258(a)(1)	§ 60.258(b) § 60.258(b)(3)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 60.257(a)	section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b)(2)(ii) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3)	§ 60.258(a)(2) § 60.258(a)(3)	§ 60.258(c) § 60.258(d)
L11-HP3	EU	60Y-CSTOR2	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.	§ 60.255(b) § 60.255(b)(2)(i) § 60.255(b)(2)(ii) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)
L11-HP4	EU	60Y-CSTOR2	PM (OPACITY)	40 CFR Part 60, Subpart Y	§ 60.254(b)(1) § 60.254(b) § 60.257(a)	Except as provided in paragraph (b)(3) of this section, an owner or operator of any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing	§ 60.255(b) § 60.255(b)(2)(i) § 60.255(b)(2)(ii) § 60.257(a) [G]§ 60.257(a)(1) [G]§ 60.257(a)(2) [G]§ 60.257(a)(3)	§ 60.258(a) § 60.258(a)(1) § 60.258(a)(2) § 60.258(a)(3)	§ 60.258(b) § 60.258(b)(3) § 60.258(c) § 60.258(d)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						coal constructed, reconstructed, or modified after April 28, 2008 must not cause to be discharged into the atmosphere from the affected facility any gases which exhibit 10 percent opacity or greater.			
62*	EU	R73123-2	NO <sub>x</sub>	30 TAC Chapter 117, Cement Kilns	§ 117.3110(a)(4) § 117.3103(c) § 117.3110(a) § 117.3110(e)	Each preheater_precalciner or precalciner kiln shall ensure that nitrogen oxides emissions do not exceed 2.8 lb/ton of clinker produced.	§ 117.3140(a) § 117.3140(b) [G]§ 117.3140(b)(1) [G]§ 117.3140(b)(2) § 117.3140(b)(3)	§ 117.3145(c) [G]§ 117.3145(c)(1) § 117.3145(c)(2) § 117.3145(c)(3)	§ 117.3145(a) [G]§ 117.3145(b)
62*	EU	R73123-2	NH <sub>3</sub>	30 TAC Chapter 117, Cement Kilns	§ 117.3125(a)	Where an owner or operator can demonstrate that an affected portland cement kiln cannot attain the ammonia emission specification in §117.3123(f) of this title (relating to Dallas-Fort Worth Eight-Hour Ozone Attainment Demonstration Control Requirements), the executive director may approve an emission specification different from §117.3123(f) of this title for that unit. The executive director:	§ 117.3142(a)(2) § 117.3142(a)(3) § 117.3142(a)(4)	§ 117.3145(c) § 117.3145(c)(2) § 117.3145(c)(3) § 117.3145(c)(4) § 117.3145(c)(4)(F) § 117.3145(c)(4)(G)	§ 117.3145(a) [G]§ 117.3145(b)
62*	EU	R73123-2	NO <sub>x</sub>	30 TAC Chapter 117, Cement Kilns	§ 117.3123(a) § 117.3123(b) § 117.3123(g) § 117.3142(b) § 117.3142(b)(1) § 117.3142(b)(2) § 117.3142(b)(3)	In accordance with the compliance schedule in §117.9320(c), the owner or operator of any portland cement kiln located in Ellis County shall not allow the total NO <sub>x</sub> emissions from all	§ 117.3123(c) § 117.3140(a) § 117.3140(b) [G]§ 117.3140(b)(1) [G]§ 117.3140(b)(2) § 117.3140(b)(3) § 117.3142(a)(1)(A)	§ 117.3145(c) § 117.3145(c)(2) § 117.3145(c)(3) § 117.3145(c)(4) § 117.3145(c)(4)(A) § 117.3145(c)(4)(B) § 117.3145(c)(4)(C)	§ 117.3123(e) [G]§ 117.3123(e)(1) § 117.3123(e)(2) § 117.3145(a) [G]§ 117.3145(b)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						cement kilns located at the account to exceed the source cap limitation in §117.3123(b). The source cap limitation of this section only applies from March 1 through October 31 of each calendar year. Compliance with the 30-day rolling average cap must be demonstrated beginning on March 31 of each calendar year.	[G]§ 117.3142(a)(1)(B) [G]§ 117.3142(a)(1)(C) § 117.3142(a)(2) § 117.3142(a)(4) § 117.3142(b)(1) § 117.3142(b)(2) § 117.3142(b)(3)	§ 117.3145(c)(4)(D) § 117.3145(c)(4)(E) § 117.3145(c)(4)(F)	
7*	EU	R73123-1	NO <sub>x</sub>	30 TAC Chapter 117, Cement Kilns	§ 117.3110(d) § 117.3103(c)	Each preheater or precalciner kiln for which either a low-NO <sub>x</sub> burner or a low-NO <sub>x</sub> precalciner is installed and operated during kiln operation is not required to meet the NO <sub>x</sub> emission specifications of §117.3110(a). Each owner or operator choosing this option shall submit written notification of this choice to the executive director, the appropriate regional office, and any local air pollution control program with jurisdiction before the appropriate compliance date in §117.9320.	§ 117.3140(a) § 117.3140(b) [G]§ 117.3140(b)(1) [G]§ 117.3140(b)(2) § 117.3140(b)(3)	§ 117.3145(c) [G]§ 117.3145(c)(1) § 117.3145(c)(2) § 117.3145(c)(3)	§ 117.3145(a) [G]§ 117.3145(b)
7*	EU	R73123-1	NH <sub>3</sub>	30 TAC Chapter 117, Cement Kilns	§ 117.3125(a)	Where an owner or operator can demonstrate that an affected portland cement kiln cannot attain the ammonia emission specification in §117.3123(f)	§ 117.3142(a)(2) § 117.3142(a)(3) § 117.3142(a)(4)	§ 117.3145(c) § 117.3145(c)(2) § 117.3145(c)(3) § 117.3145(c)(4) § 117.3145(c)(4)(F) § 117.3145(c)(4)(G)	§ 117.3145(a) [G]§ 117.3145(b)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						of this title (relating to Dallas-Fort Worth Eight-Hour Ozone Attainment Demonstration Control Requirements), the executive director may approve an emission specification different from §117.3123(f) of this title for that unit. The executive director:			
7*	EU	R73123-1	NO <sub>x</sub>	30 TAC Chapter 117, Cement Kilns	§ 117.3123(a) § 117.3123(b) § 117.3123(g) § 117.3142(b) § 117.3142(b)(1) § 117.3142(b)(2) § 117.3142(b)(3)	In accordance with the compliance schedule in §117.9320(c), the owner or operator of any portland cement kiln located in Ellis County shall not allow the total NO <sub>x</sub> emissions from all cement kilns located at the account to exceed the source cap limitation in §117.3123(b). The source cap limitation of this section only applies from March 1 through October 31 of each calendar year. Compliance with the 30-day rolling average cap must be demonstrated beginning on March 31 of each calendar year.	§ 117.3123(c) § 117.3140(a) § 117.3140(b) [G]§ 117.3140(b)(1) [G]§ 117.3140(b)(2) § 117.3140(b)(3) § 117.3142(a)(1)(A) [G]§ 117.3142(a)(1)(B) [G]§ 117.3142(a)(1)(C) § 117.3142(a)(2) § 117.3142(a)(4) § 117.3142(b)(1) § 117.3142(b)(2) § 117.3142(b)(3)	§ 117.3145(c) § 117.3145(c)(2) § 117.3145(c)(3) § 117.3145(c)(4) § 117.3145(c)(4)(A) § 117.3145(c)(4)(B) § 117.3145(c)(4)(C) § 117.3145(c)(4)(D) § 117.3145(c)(4)(E) § 117.3145(c)(4)(F)	§ 117.3123(e) [G]§ 117.3123(e)(1) § 117.3123(e)(2) § 117.3145(a) [G]§ 117.3145(b)
GRP-KLNSTK	EP	R1111-KLNSTK	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(B) § 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31,	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						1972.			
GRP-OSTK	EP	R1111-OSTK	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	None
F20-FT2	EU	R5217-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
GRP-TNKOCL	EU	R5217-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
TK-LOADKLN	EU	R5217-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
2*	EU	60000-2*	PM	40 CFR Part 60, Subpart OOO	§ 60.672(a)-Table 2 § 60.672(a)	The owner or operator must meet a PM limit of 0.05 g/dscm (0.022 gr/dscf) for stack emissions from affected facilities with capture systems that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	§ 60.675(a) § 60.675(b)(1) § 60.675(e)(3) ** See Periodic Monitoring Summary	None	§ 60.676(f) § 60.676(i)(1) § 60.676(k)
2*	EU	60000-2*	PM (OPACITY)	40 CFR Part 60, Subpart OOO	§ 60.672(a) - Table 2 § 60.672(a)	The owner or operator must meet an opacity limit of 7 percent for dry control devices stack emissions from affected facilities with capture systems that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	[G]§ 60.675(e)(2) § 60.675(a) § 60.675(b) § 60.675(b)(2) ** See Periodic Monitoring Summary	None	§ 60.676(f) § 60.676(i)(1) § 60.676(k)
3*	EU	60000-3*	PM	40 CFR Part 60, Subpart OOO	§ 60.672(a) - Table 2 § 60.672(a)	The owner or operator must meet a PM limit of 0.05 g/dscm (0.022 gr/dscf) for stack emissions from affected facilities with capture systems that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	§ 60.675(a) § 60.675(b)(1) § 60.675(e)(3) ** See Periodic Monitoring Summary	None	§ 60.676(f) § 60.676(i)(1) § 60.676(k)
3*	EU	60000-3*	PM (OPACITY)	40 CFR Part 60, Subpart OOO	§ 60.672(a) - Table 2 § 60.672(a)	The owner or operator must meet an opacity limit of 7 percent for dry control devices stack emissions	[G]§ 60.675(e)(2) § 60.675(a) § 60.675(b) § 60.675(b)(2)	None	§ 60.676(f) § 60.676(i)(1) § 60.676(k)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						from affected facilities with capture systems that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	** See Periodic Monitoring Summary		
42*	EU	60000-42*	PM	40 CFR Part 60, Subpart 000	§ 60.672(a) - Table 2 § 60.672(a) § 60.672(d)	The owner or operator must meet a PM limit of 0.05 g/dscm (0.022 gr/dscf) for stack emissions from affected facilities with capture systems that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	§ 60.675(a) § 60.675(b)(1) § 60.675(e)(3) ** See Periodic Monitoring Summary	None	§ 60.676(f) § 60.676(i)(1) § 60.676(k)
42*	EU	60000-42*	PM (OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(a) - Table 2 § 60.672(a) § 60.672(d)	The owner or operator must meet an opacity limit of 7 percent for dry control devices stack emissions from affected facilities with capture systems that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	[G]§ 60.675(e)(2) § 60.675(a) § 60.675(b) § 60.675(b)(2) ** See Periodic Monitoring Summary	None	§ 60.676(f) § 60.676(i)(1) § 60.676(k)
75C*	EU	60-000-75C*	PM (OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(b) - Table 3 § 60.672(b)	The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system was not used of 12 percent opacity with periodic inspections of water sprays for fugitive emission limits	[G]§ 60.674(b)(1) [G]§ 60.675(c)(1) [G]§ 60.675(e)(1) [G]§ 60.675(e)(2) § 60.675(a) § 60.675(c)(3) § 60.675(g)	None	[G]§ 60.674(b)(2) § 60.675(g) § 60.676(f) § 60.676(i)(1) § 60.676(k)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						from affected facilities that commenced construction, modification, or reconstruction on or after April 22, 2008.			
GRP-CCOOL	EU	63LLL-CCOOL	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340(a)	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	§ 63.1340(a) The permit holder shall comply with the applicable record keeping requirements of 40 CFR Part 63, Subpart LLL
GRP-CSTP13	EU	63LLL-CSTP13	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1348 § 63.1350(b)	The owner or operator of specified sources at a facility which is a major source shall not cause to be discharged any gases from these affected sources which exhibit opacity in excess of ten percent.	[G]§ 63.1349(a) § 63.1349(b) [G]§ 63.1349(b)(2) § 63.1349(c) § 63.1350(a) § 63.1350(a)(1) [G]§ 63.1350(a)(4) § 63.1350(b) § 63.1350(j)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) [G]§ 63.1350(a)(4) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-CSTP13B	EU	63LLL-CSTP13	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1348 § 63.1350(b)	The owner or operator of specified sources at a facility which is a major source shall not cause to be discharged any gases from these affected sources which exhibit opacity in excess of ten percent.	[G]§ 63.1349(a) § 63.1349(b) [G]§ 63.1349(b)(2) § 63.1349(c) § 63.1350(a) § 63.1350(a)(1) [G]§ 63.1350(a)(4) § 63.1350(b) § 63.1350(j)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) [G]§ 63.1350(a)(4) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-CSTP2	EU	63LLL-CSTP2	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1348 § 63.1350(b)	The owner or operator of specified sources at a facility which is a major source shall not cause to be	[G]§ 63.1349(a) § 63.1349(b) [G]§ 63.1349(b)(2) § 63.1349(c)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) [G]§ 63.1350(a)(4) § 63.1353(a)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						discharged any gases from these affected sources which exhibit opacity in excess of ten percent.	§ 63.1350(a) § 63.1350(a)(1) [G]§ 63.1350(a)(4) § 63.1350(b) § 63.1350(j)		[G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-FMILL	EU	63LLL-FMILL	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1347 § 63.1350(b)	The owner/operator of a new or existing raw mill or finish mill at a major source shall not emit from the mill sweep or air separator pollution control device any gases with opacity in excess of 10%.	[G]§ 63.1349(a) § 63.1349(b) [G]§ 63.1349(b)(2) § 63.1349(c) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(2) § 63.1350(b) [G]§ 63.1350(e)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(2) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-KILN	EU	63LLL-1	PM	40 CFR Part 63, Subpart LLL	§ 63.1343(b)(1) § 63.1350(b)	No owner or operator of the specified source shall cause to be discharged any gases containing PM in excess of 0.15 kg per Mg (0.30 lb per ton) of feed (dry basis) to the kiln as specified.	[G]§ 63.1349(a) § 63.1349(b) § 63.1349(b)(1) § 63.1349(b)(1)(i) § 63.1349(b)(1)(ii) § 63.1349(b)(1)(iv) § 63.1349(c) § 63.1349(e)(2) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1350(b)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-KILN	EU	63LLL-1	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1343(b)(2) § 63.1350(b) § 63.1350(c)(3)	No owner or operator of the specified source shall cause to be discharged any gases which exhibit opacity greater than 20 percent.	[G]§ 63.1349(a) § 63.1349(b) § 63.1349(b)(1) § 63.1349(b)(1)(v) § 63.1349(c) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1350(b) § 63.1350(c) § 63.1350(c)(1)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b) § 63.1355(c)	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.1350(c)(3)		
GRP-KILN	EU	63LLL-1	TOTAL HYDROCARBONS	40 CFR Part 63, Subpart LLL	§ 63.1344(f) § 63.1350(b)	Existing kilns and in-line kilns/raw mills must implement good combustion practices (GCP) designed to minimize THC from fuel combustion. GCP include training all operators and supervisors to operate and maintain the kiln and calciner, and the pollution control systems in accordance with good engineering practices. The training shall include methods for minimizing excess emissions.	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1350(b)	§ 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-KILN	EU	63LLL-1	DIOXINS/FURANS	40 CFR Part 63, Subpart LLL	§ 63.1343(b)(3)(ii) § 63.1344(a) § 63.1344(a)(1) § 63.1344(a)(2) § 63.1344(a)(3) § 63.1344(b) § 63.1350(b)	No owner or operator of the specified source shall cause to be discharged any gases which contain D/F in excess of 0.40 ng per dscm (TEQ) corrected to seven percent oxygen, when as specified.	[G]§ 63.1349(a) § 63.1349(b) § 63.1349(b)(3) § 63.1349(b)(3)(i) § 63.1349(b)(3)(ii) § 63.1349(b)(3)(iii) § 63.1349(b)(3)(iv) § 63.1349(d) § 63.1349(e)(1) § 63.1349(e)(3) § 63.1349(e)(3)(iv) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1350(b) § 63.1350(f) § 63.1350(f)(1) § 63.1350(f)(1)(i) § 63.1350(f)(1)(ii) § 63.1350(f)(2) § 63.1350(f)(3)	[G]§ 63.1349(a) § 63.1349(b)(3)(ii) § 63.1349(b)(3)(iv) § 63.1349(e)(3) § 63.1349(e)(3)(ii) § 63.1350(f)(1) § 63.1350(f)(2) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b) § 63.1355(c)	§ 63.1349(e)(3) § 63.1349(e)(3)(i) § 63.1349(e)(3)(iii) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
							§ 63.1350(f)(4) § 63.1350(f)(5) § 63.1350(f)(6) § 63.1350(i)		
GRP-KILN	EU	63LLL-2	PM	40 CFR Part 63, Subpart LLL	§ 63.1343(b)(1) § 63.1350(b)	No owner or operator of the specified source shall cause to be discharged any gases containing PM in excess of 0.15 kg per Mg (0.30 lb per ton) of feed (dry basis) to the kiln as specified.	[G]§ 63.1349(a) § 63.1349(b) § 63.1349(b)(1) § 63.1349(b)(1)(i) § 63.1349(b)(1)(ii) § 63.1349(b)(1)(iv) § 63.1349(c) § 63.1349(e)(2) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1350(b)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-KILN	EU	63LLL-2	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1343(b)(2) § 63.1350(b) § 63.1350(c)(3)	No owner or operator of the specified source shall cause to be discharged any gases which exhibit opacity greater than 20 percent.	[G]§ 63.1349(a) § 63.1349(b) § 63.1349(b)(1) § 63.1349(b)(1)(v) § 63.1349(c) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1350(b) § 63.1350(c) § 63.1350(c)(1) § 63.1350(c)(3)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b) § 63.1355(c)	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-KILN	EU	63LLL-2	TOTAL HYDROCARBONS	40 CFR Part 63, Subpart LLL	§ 63.1344(f) § 63.1350(b)	Existing kilns and in-line kilns/raw mills must implement good combustion practices (GCP) designed to minimize THC from fuel combustion. GCP include training all operators and supervisors to operate and maintain the	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1350(b)	§ 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						kiln and calciner, and the pollution control systems in accordance with good engineering practices. The training shall include methods for minimizing excess emissions.			
GRP-KILN	EU	63LLL-2	DIOXINS/FURANS	40 CFR Part 63, Subpart LLL	§ 63.1343(b)(3)(i) § 63.1344(a) § 63.1344(a)(1) § 63.1344(a)(2) § 63.1344(a)(3) § 63.1344(b) § 63.1350(b)	No owner or operator of the specified source shall cause to be discharged any gases which contain D/F in excess of 0.20 ng per dscm (8.7 x 10 <sup>-11</sup> gr per dscf) (TEQ) corrected to seven percent oxygen.	[G]§ 63.1349(a) § 63.1349(b) § 63.1349(b)(3) § 63.1349(b)(3)(i) § 63.1349(b)(3)(ii) § 63.1349(b)(3)(iii) § 63.1349(b)(3)(iv) § 63.1349(d) § 63.1349(e)(1) § 63.1349(e)(3) § 63.1349(e)(3)(iv) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1350(b) § 63.1350(f) § 63.1350(f)(1) § 63.1350(f)(1)(i) § 63.1350(f)(1)(ii) § 63.1350(f)(2) § 63.1350(f)(3) § 63.1350(f)(4) § 63.1350(f)(5) § 63.1350(f)(6) § 63.1350(i)	[G]§ 63.1349(a) § 63.1349(b)(3)(ii) § 63.1349(b)(3)(iv) § 63.1349(e)(3) § 63.1349(e)(3)(ii) § 63.1350(f)(1) § 63.1350(f)(2) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b) § 63.1355(c)	§ 63.1349(e)(3) § 63.1349(e)(3)(i) § 63.1349(e)(3)(iii) § 63.1350(a) § 63.1350(a)(1) § 63.1350(a)(3) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a) [G]§ 63.1354(b)
GRP-MSTOR	EU	63LLL-MSTOR	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1348 § 63.1350(b)	The owner or operator of specified sources at a facility which is a major source shall not cause to be discharged any gases from these affected sources which	[G]§ 63.1349(a) § 63.1349(b) [G]§ 63.1349(b)(2) § 63.1349(c) § 63.1350(a) § 63.1350(a)(1)	[G]§ 63.1349(a) § 63.1353(a) § 63.1355(a) [G]§ 63.1355(b)	§ 63.1350(a) § 63.1350(a)(1) [G]§ 63.1350(a)(4) § 63.1353(a) [G]§ 63.1353(b) § 63.1354(a)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						exhibit opacity in excess of ten percent.	[G]§ 63.1350(a)(4) § 63.1350(b) § 63.1350(j)		[G]§ 63.1354(b)
GRP-QCONIC	EU	60000-QCONIC	PM (OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(b) - Table 3 § 60.672(b)	The owner or operator must meet a fugitive emission limit of 10 percent opacity for grinding mills, screening operations, bucket elevators, transfer operator points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	[G]§ 60.675(c)(1) [G]§ 60.675(e)(1) [G]§ 60.675(e)(2) § 60.675(a) § 60.675(c)(3) § 60.675(g) ** See Periodic Monitoring Summary	None	§ 60.675(g) § 60.676(f) § 60.676(i)(1) § 60.676(k)
GRP-QCONIU	EU	60000-QCONIU	PM (OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(b) - Table 3 § 60.672(b) § 60.672(d)	Fugitive emission limits from affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008. The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system was not used of 15 percent opacity.	[G]§ 60.675(c)(1) [G]§ 60.675(e)(1) [G]§ 60.675(e)(2) § 60.675(a) § 60.675(c)(3) § 60.675(g) ** See Periodic Monitoring Summary	None	§ 60.675(g) § 60.676(f) § 60.676(i)(1) § 60.676(k)
GRP-QCONN	EU	60000-QCONN	PM (OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(b) - Table 3 § 60.672(b)	The owner or operator must meet a fugitive emission limit of 10 percent opacity	[G]§ 60.675(c)(1) [G]§ 60.675(e)(2) § 60.675(a)	None	§ 60.675(g) § 60.676(f) § 60.676(i)(1)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						for grinding mills, screening operations, bucket elevators, transfer operator points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008.	§ 60.675(c)(3) § 60.675(g) ** See Periodic Monitoring Summary		§ 60.676(k)
GRP-QCRUSH	EU	60000-QCRUSH	PM (OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(b) - Table 3 § 60.672(b) § 60.672(d)	Fugitive emission limits from affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008. The owner or operator must meet the following fugitive emissions limit for crushers at which a capture system was not used of 15 percent opacity.	[G]§ 60.675(c)(1) [G]§ 60.675(e)(2) § 60.675(a) § 60.675(c)(3) § 60.675(g) ** See Periodic Monitoring Summary	None	§ 60.675(g) § 60.676(f) § 60.676(i)(1) § 60.676(k)
LSS	EU	60000-LSS	PM (OPACITY)	40 CFR Part 60, Subpart 000	§ 60.672(e)(1) § 60.672(d)	Fugitive emissions from the building openings must not exceed 7 percent opacity.	[G]§ 60.675(c)(1) [G]§ 60.675(e)(1) [G]§ 60.675(e)(2) § 60.675(a) § 60.675(c)(3) § 60.675(d)(2) § 60.675(g) ** See Periodic Monitoring Summary	None	§ 60.675(g) § 60.676(f) § 60.676(i)(1) § 60.676(k)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
MAINTPW	EU	R5412-1	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) [G]§ 115.412(1)(F) § 115.417(1)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3)	None	None
EMERGGEN 1	EU	R7403-1	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.403(a)(7)(D) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§ 117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary gas turbines and stationary internal combustion engines used exclusively in emergency situations, except that operation for testing or maintenance is allowed for up to 100 hours per year, based on a rolling 12-month average. New, modified, reconstructed or relocated stationary diesel engine placed into service on or after June 1, 2007, are ineligible.	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
EMERGGEN 2	EU	R7403-1	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.403(a)(7)(D) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§ 117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary gas turbines and stationary internal combustion engines used exclusively in emergency situations, except that operation for testing or maintenance is allowed for	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						up to 100 hours per year, based on a rolling 12-month average. New, modified, reconstructed or relocated stationary diesel engine placed into service on or after June 1, 2007, are ineligible.			
PONDPUMP	EU	R7403-1	EXEMPT	30 TAC Chapter 117, Subchapter B	§ 117.403(a)(7)(D) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§ 117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary gas turbines and stationary internal combustion engines used exclusively in emergency situations, except that operation for testing or maintenance is allowed for up to 100 hours per year, based on a rolling 12-month average. New, modified, reconstructed or relocated stationary diesel engine placed into service on or after June 1, 2007, are ineligible.	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
PONDPUMP	EU	63ZZZZ-1	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.1 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) [G]§ 63.6640(f)(1)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at a major source, you must comply with the requirements as specified in Table 2c.1.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)

## Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
								§ 63.6660(b) § 63.6660(c)	
QWPUMP	EU	R7403-2	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (g), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
QWPUMP	EU	63ZZZZ-2	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6602-Table2c.2 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b)	For each existing non-emergency, non-black start stationary CI RICE with a site rating less than 100 HP, located at a major source, you must comply with the requirements as specified in Table 2c.2.a-c.	§ 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(a)(2) § 63.6655(a)(4) § 63.6655(a)(5) § 63.6655(d) § 63.6655(e) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(c) § 63.6650(f)
F20-FT2	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None
GRP-	EU	R5112-	VOC	30 TAC Chapter	§ 115.111(a)(1)	Except as provided in §	[G]§ 115.117	§ 115.118(a)(1)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
TNKOCL		TNKOCL		115, Storage of VOCs		115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.		§ 115.118(a)(5) § 115.118(a)(7)	

**Additional Monitoring Requirements**

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## CAM Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-OSTK	
Control Device ID No.: 561-BF1	Control Device Type: Fabric Filter
Control Device ID No.: 562-BF1	Control Device Type: Fabric Filter
Control Device ID No.: 563-BF1	Control Device Type: Fabric Filter
Control Device ID No.: 563-BF2	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-OSTK
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Daily	
Averaging Period: N/A	
Deviation Limit: Maximum Opacity = 15% averaged over a six-minute period	
CAM Text: Daily visible emissions observations shall be performed in accordance with the MACT LLL O&M plan.	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 2*	
Control Device ID No.: 211-BF2	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-2*
Pollutant: PM (OPACITY)	Main Standard: § 60.672(a) - Table 2
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum opacity = 7% averaged over a 6 minute period	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 2*	
Control Device ID No.: 211-BF2	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-2*
Pollutant: PM	Main Standard: § 60.672(a)-Table 2
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum opacity = 7% averaged over a 6 minute period	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 3*	
Control Device ID No.: 291-BF1	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart OOO	SOP Index No.: 60000-3*
Pollutant: PM	Main Standard: § 60.672(a) - Table 2
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum opacity = 7% averaged over a six-minute period	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 3*	
Control Device ID No.: 291-BF1	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-3*
Pollutant: PM (OPACITY)	Main Standard: § 60.672(a) - Table 2
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum Opacity = 10% Averaged over a six-minute period	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 42*	
Control Device ID No.: 220-BF2	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-42*
Pollutant: PM	Main Standard: § 60.672(a) - Table 2
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum opacity = 7% averaged over a 6 minute period	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: 42*	
Control Device ID No.: 220-BF2	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-42*
Pollutant: PM (OPACITY)	Main Standard: § 60.672(a) - Table 2
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum opacity = 7% averaged over a 6 minute period	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-CCONV	
Control Device ID No.: L11-BF1	Control Device Type: Fabric Filter
Control Device ID No.: L32-BF1	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-CCONV
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum Opacity = 20% averaged over a six-minute period	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-CSTOR	
Control Device ID No.: L11-BF3	Control Device Type: Fabric Filter
Control Device ID No.: L92-BF1	Control Device Type: Fabric Filter
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-CSTOR
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum opacity = 20% averaged over a six- minute period	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-QCONIC	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-QCONIC
Pollutant: PM (OPACITY)	Main Standard: § 60.672(b) - Table 3
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: If the repair is not conducted within 15 calendar days, it shall be reported as a deviation.	
<p>Periodic Monitoring Text: All equipment (water sprays, environmentally sensitive chemical sprays, ducts, hoods, sleeves, etc.) utilized to limit fugitive emissions shall be maintained in good working order. All equipment shall be visually checked and maintained free of holes, cracks, or other conditions (especially blockages or other problems associated with of water/chemical spray systems) that would reduce the equipment effectiveness to limit fugitive emissions. The results of all visual checks and corrective action performed shall be recorded and maintained in a log along with the date of the activity. If holes, cracks, or other conditions (that would reduce the equipment effectiveness to limit fugitive emissions) are discovered during visual inspection, the repairs shall be conducted within 15 calendar days. If the repair is not conducted within 15 calendar days, it shall be reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-QCONIU	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-QCONIU
Pollutant: PM (OPACITY)	Main Standard: § 60.672(b) - Table 3
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: Maximum Opacity = 15% averaged over a six-minute period	
<p>Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 CFR Part 60, Appendix A, Test Method 9. The deviation limit is the maximum opacity corresponding to the underlying applicable requirement. If there is no applicable or corresponding opacity limit, a maximum opacity shall be established using the most recent performance test. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-QCONN	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-QCONN
Pollutant: PM (OPACITY)	Main Standard: § 60.672(b) - Table 3
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: If the repair is not conducted within 15 calendar days, it shall be reported as a deviation.	
<p>Periodic Monitoring Text: All equipment (water sprays, environmentally sensitive chemical sprays, ducts, hoods, sleeves, etc.) utilized to limit fugitive emissions shall be maintained in good working order. All equipment shall be visually checked and maintained free of holes, cracks, or other conditions (especially blockages or other problems associated with of water/chemical spray systems) that would reduce the equipment effectiveness to limit fugitive emissions. The results of all visual checks and corrective action performed shall be recorded and maintained in a log along with the date of the activity. If holes, cracks, or other conditions (that would reduce the equipment effectiveness to limit fugitive emissions) are discovered during visual inspection, the repairs shall be conducted within 15 calendar days. If the repair is not conducted within 15 calendar days, it shall be reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: GRP-QCRUSH	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-QCRUSH
Pollutant: PM (OPACITY)	Main Standard: § 60.672(b) - Table 3
<b>Monitoring Information</b>	
Indicator: Visible Emissions	
Minimum Frequency: Monthly	
Averaging Period: N/A	
Deviation Limit: Maximum Opacity = 15% averaged over a six-minute period	
<p>Periodic Monitoring Text: Opacity shall be monitored, by a certified observer, for at least one, six-minute period in accordance with Title 40 CFR Part 60, Appendix A, Test Method 9. The deviation limit is the maximum opacity corresponding to the underlying applicable requirement. If there is no applicable or corresponding opacity limit, a maximum opacity shall be established using the most recent performance test. Any opacity readings that are above the opacity limit from the underlying applicable requirement shall be reported as a deviation.</p>	

## Periodic Monitoring Summary

<b>Unit/Group/Process Information</b>	
ID No.: LSS	
Control Device ID No.: N/A	Control Device Type: N/A
<b>Applicable Regulatory Requirement</b>	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-LSS
Pollutant: PM (OPACITY)	Main Standard: § 60.672(e)(1)
<b>Monitoring Information</b>	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: Monthly	
Deviation Limit: Maximum Opacity = 7% Averaged over a six-minute period.	
<p>Periodic Monitoring Text: The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A to part 60 of this chapter. The test must be conducted while the affected source is in operation. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If a Test Method 9 is performed, the opacity limit is the corresponding opacity limit associated with the particulate matter standard in the underlying applicable requirement.</p> <p>If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annual for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p> <p>If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.</p>	

**Permit Shield**

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## Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRP-CSTOR	13*, 38A*, L11-HP1, L11-HP2, L92-FB1	40 CFR Part 63, Subpart LLL	The first conveying system point from the intermediate coal storage bin to the kiln is the first source subject to MACT LLL.
HEATER1	N/A	30 TAC Chapter 117, Commercial	Heater is < 5.0 MMBtu/hr
HEATER2	N/A	30 TAC Chapter 117, Commercial	Heater is < 5.0 MMBtu/hr
F20-FT1	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Motor vehicle fuel dispensing operation.
GRP-CSTP2	311-HP1A, P71-VB1, P71-VB2, P91-BC1	40 CFR Part 60, Subpart OOO	The first source in the sequence of materials handling operations subject to MACT Subpart LLL is the raw material storage are prior to the raw mill. Any equipment after the raw material storage piles is potentially subject to MACT Subpart LLL.
GRP-QCONIC	211-AF2, 211-BC5, 211-SX2, 220-AC1, 220-SX1, 290-BC1, 291-BC1	40 CFR Part 63, Subpart LLL	Any equipment of the on-site nonmetallic mineral processing plant which precedes the first transfers following the raw material storage piles is potentially subject to NSPS Subpart OOO.
EMERGGEN1	N/A	40 CFR Part 60, Subpart IIII	Engine construction/reconstruction commenced prior to July 11, 2005.
EMERGGEN1	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency engine located at a

## Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			major source of HAP emissions with a horsepower greater than 500 hp.
EMERGGEN2	N/A	40 CFR Part 60, Subpart IIII	Engine construction/reconstruction commenced prior to July 11, 2005.
EMERGGEN2	N/A	40 CFR Part 63, Subpart ZZZZ	Existing emergency engine located at a major source of HAP emissions with a horsepower greater than 500 hp.
PONDPUMP	N/A	40 CFR Part 60, Subpart IIII	Engine construction/reconstruction commenced prior to July 11, 2005.
QWPUMP	N/A	40 CFR Part 60, Subpart IIII	Engine construction/reconstruction commenced prior to July 11, 2005.
F20-FT1	N/A	30 TAC Chapter 115, Storage of VOCs	Storage container that has a capacity of less than 25,000 gallons (94,625 liters) located at motor vehicle fuel dispensing facilities.
F20-FT1	N/A	40 CFR Part 60, Subpart Kb	The tank's capacity is less than 75 cubic meters.
F20-FT2	N/A	40 CFR Part 60, Subpart Kb	The tank's capacity is less than 75m3.
GRP-TNKOCL	FUG-1A*, FUG-1B*, FUG-1G*	40 CFR Part 60, Subpart Kb	Each tank's capacity is greater than 151 m3 and the maximum true vapor pressure of each tank's contents is less than 3.5 kPa.

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
TNK10	N/A	30 TAC Chapter 115, Storage of VOCs	Storage container less than 1,000 gallons.
TNK10	N/A	40 CFR Part 60, Subpart Kb	The tank's capacity is less than 75 cubic meters.

**New Source Review Authorization References**

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**New Source Review Authorization References by Emission Unit..... 76**

## New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Prevention of Significant Deterioration (PSD) Permits</b>	
PSD Permit No.: PSDTX454M3	Issuance Date: 10/05/2005
<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 70582	Issuance Date: 08/16/2013
Authorization No.: 8996	Issuance Date: 10/18/2013
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.102	Version No./Date: 09/04/2000
Number: 106.144	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.512	Version No./Date: 06/13/2001
Number: 106.532	Version No./Date: 09/04/2000
Number: 70	Version No./Date: 06/07/1996
<b>Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum</b>	
Permit No.: None	

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
13*	COAL SILO	8996, PSDTX454M3
1A*	PRIMARY (UPPER BENCH) LIMESTONE CRUSHER	8996, PSDTX454M3
2*	SECONDARY LIMESTONE CRUSHER	8996, PSDTX454M3
211-AF2	SECONDARY CRUSHER APRON FEEDER	8996, PSDTX454M3
211-BC2	PRIMARY(UPPER BENCH) LIMESTONE BELT WAGON CONVEYOR	8996, PSDTX454M3
211-BC3	PRIM(UPPER BENCH)LIMESTNE CRUSHER BELT CONVEYOR #3	8996, PSDTX454M3
211-BC4	PRIM(UPPER BENCH) LIMESTNE CRSHER BELT CONVEYOR #4	8996, PSDTX454M3
211-BC5	LIMESTONE OVERLAND BELT CONVEYOR	8996, PSDTX454M3
211-SX2	SECONDARY CRUSHER FEED CLEAN-UP DRAG CONVEYOR	8996, PSDTX454M3
220-AC1	SHALE CRUSHER FEED APRON CONVEYOR	8996, PSDTX454M3
220-SX1	SHALE CRUSHER FEED CLEAN-UP DRAG	8996, PSDTX454M3
22A-HP2	ALTERNATIVE RAW MATERIAL BAY	8996, PSDTX454M3
23*	LINE 1 FINISH MILL SYSTEM NO. 1 & 2 BAGHOUSES	8996, PSDTX454M3
29*	LINE 1 FINISH MILL SYSTEM NO. 1 & 2 BAGHOUSES	8996, PSDTX454M3
290-BC1	SHALE CRUSHER OUTPUT TO RMS BELT CONVEYOR	8996, PSDTX454M3
291-BC1	SECONDARY CRUSHER DISCHARGE BELT CONVEYOR	8996, PSDTX454M3
291-BC2	RAW MATERIAL TRIPPER BELT CONVEYOR	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
291-BC3	SAND FEEDER BELT CONVEYOR	8996, PSDTX454M3
3*	RAW MATERIAL TRANSFER POINT BAGHOUSE STACK	8996, PSDTX454M3
311-3B1A	TRANSFER FROM 311-3B1 TO 331-WF1	8996, PSDTX454M3
311-3B1B	LINE 1 SAND/ UNIVERSAL BIN WITH PMCD	8996, PSDTX454M3
311-3B2A	TRANSFER FROM 311-3B2 TO 331-WF2	8996, PSDTX454M3
311-3B2B	LINE 1 LIMESTONE BIN WITH PMCD	8996, PSDTX454M3
311-3B3A	TRANSFER FROM 311-3B3 TO 331-WF3	8996, PSDTX454M3
311-3B3B	LINE 1 SHALE BIN WITH PMCD	8996, PSDTX454M3
311-3B4A	TRANSFER FROM 311-3B4 TO 331-WF4	8996, PSDTX454M3
311-3B4B	LINE 1 IRON ORE BIN WITH PMCD	8996, PSDTX454M3
311-BC1	TRANSFER FROM 311-BC1 TO 311-BC2 WITH PMCD	8996, PSDTX454M3
311-BC2A	TRANSFER FROM 311-BC2 TO 311-3B2 WITH PMCD	8996, PSDTX454M3
311-BC2B	TRANSFER FROM 311-BC2 TO 312-BC1 WITH PMCD	8996, PSDTX454M3
311-BC3A	TRANSFER FROM 311-BC3 TO 311-3B2 WITH PMCD	8996, PSDTX454M3
311-BC3B	TRANSFER FROM 311-BC3 TO 311-BC7 WITH PMCD	8996, PSDTX454M3
311-BC5	TRANSFER FROM 311-BC5 TO 311-BC6	8996, PSDTX454M3
311-BC6A	TRANSFER FROM 311-BC6 TO 311-BC2 WITH PMCD	8996, PSDTX454M3
311-BC6B	TRANSFER FROM 311-BC6 TO 311-BC3 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
311-BC7A	TRANSFER FROM 311-BC7 TO 311-BC8	8996, PSDTX454M3
311-BC7B	TRANSFER FROM 311-BC7 TO 311-3B1 WITH PMCD	8996, PSDTX454M3
311-BC8A	TRANSFER FROM 311-BC8 TO 311-3B4 WITH PMCD	8996, PSDTX454M3
311-BC8B	TRANSFER FROM 311-BC8 TO 322 BC1 WITH PMCD	8996, PSDTX454M3
311-BC8C	TRANSFER FROM 311-BC8 TO 311-3B3 WITH PMCD	8996, PSDTX454M3
311-BF1A	TRANSFER FROM 311-BF1 TO 311-BC2	8996, PSDTX454M3
311-BF1B	TRANSFER FROM 311-BF1 TO 311-BC3	8996, PSDTX454M3
311-BF2	TRANSFER FROM 311-BF2 TO 311-3B2	8996, PSDTX454M3
311-BF3	TRANSFER FROM 311-BF3 TO 311-3B3 WITH PMCD	8996, PSDTX454M3
311-HP1A	TRANSFER FROM 311-HP1 TO 311-BC5	8996, PSDTX454M3
311-HP1B	RMS WEST RECLAIM HOPPER	8996, PSDTX454M3
312-3B1	LINE 2 LIMESTONE BUFFER BIN	8996, PSDTX454M3
312-CH2	TRANSFER FROM 312-BC1 TO 312-3B1	8996, PSDTX454M3
312-CH3	TRANSFER FROM 312-BF1 TO 312-3B1	8996, PSDTX454M3
321-BC1	TRANSFER FROM 321-BC1 TO 311-3B3 WITH PMCD	8996, PSDTX454M3
321-CH1	TRANSFER FROM 320-BC1 TO 312-BC1	8996, PSDTX454M3
322-3B1	LINE 2 SHALE BUFFER BIN	8996, PSDTX454M3
322-3B3	LINE 2 SAND BUFFER BIN	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
322-3B4	LINE 2 SAND BUFFER BIN	8996, PSDTX454M3
322-BC1A	TRANSFER FROM 322-BC1 TO 322-BC2	8996, PSDTX454M3
322-BC1B	TRANSFER FROM 322-BC1 TO 322-3B3	8996, PSDTX454M3
322-BF1A	TRANSFER FROM 322-BF1 TO 322-3B3 WITH PMCD	8996, PSDTX454M3
322-BF1B	TRANSFER FROM 322-BF1 TO 322-3B4 WITH PMCD	8996, PSDTX454M3
322-CH1	TRANSFER FROM 320-BC1 TO 322-3B1	8996, PSDTX454M3
32A-3P1	ALTERNATIVE RAW MATERIAL HOPPER	8996, PSDTX454M3
32A-AF1	TRANSFER FROM 32A-AF1 TO 32A-BC3 WITH PMCD	8996, PSDTX454M3
32A-BC3A	TRANSFER FROM 32A-BC3 TO 311-3B4	8996, PSDTX454M3
32A-BC3B	TRANSFER FROM 32A-BC3 TO 311-BC7	8996, PSDTX454M3
32A-BC3C	TRANSFER FROM 32A-BC3 TO 322-BC1	8996, PSDTX454M3
32A-BF1	TRANSFER FROM 32A-BF1 TO 32A-BC3	8996, PSDTX454M3
331-BC1	TRANSFER FROM 331-BC1 TO 361-RM1	8996, PSDTX454M3
331-NG1	TRANSFER FROM 311-3B1 TO 331-AF1	8996, PSDTX454M3
331-NG2	TRANSFER FROM 311-3B2 TO 331-AF2	8996, PSDTX454M3
331-NG3	TRANSFER FROM 311-3B3 TO 331-AF3	8996, PSDTX454M3
331-SG4	TRANSFER FROM 311-3B4 TO 331-WF4	8996, PSDTX454M3
331-SX5	TRANSFER FROM 331-SX5 TO 331-BC1 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
331-SX6	TRANSFER FROM 331-SX6 TO 331-BC1 WITH PMCD	8996, PSDTX454M3
331-SX7	TRANSFER FROM 331-SX7 TO 331-BC1 WITH PMCD	8996, PSDTX454M3
331-SX8	TRANSFER FROM 331-SX8 TO 331-BC1 WITH PMCD	8996, PSDTX454M3
331-WF1	TRANSFER FROM 331-WF1 TO 331-BC1 WITH PMCD	8996, PSDTX454M3
331-WF2	TRANSFER FROM 331-WF2 TO 331-BC1 WITH PMCD	8996, PSDTX454M3
331-WF3	TRANSFER FROM 331-WF3 TO 331-BC1 WITH PMCD	8996, PSDTX454M3
331-WF4	TRANSFER FROM 331-WF4 TO 331-BC1 WITH PMCD	8996, PSDTX454M3
332-CH1	TRANSFER FROM 312-3B1 TO 332-AC1	8996, PSDTX454M3
332-CH2	TRANSFER FROM 332-AC1 AND 332-SX1 TO 332-WF1	8996, PSDTX454M3
332-CH3	TRANSFER FROM 332-SX2 AND 332-WF1 TO 332-BC1	8996, PSDTX454M3
332-CH4	TRANSFER FROM 322-3B1 TO 332-WF2	8996, PSDTX454M3
332-CH5	TRANSFER FROM 332-WF2 AND 332-SX3 TO 332-BC1	8996, PSDTX454M3
332-CH6	TRANSFER FROM 332-BC1 TO TRUCK	8996, PSDTX454M3
332-CH7	TRANSFER FROM 332-BC1 TO 332-CH7	8996, PSDTX454M3
332-CH8	TRANSFER FROM 332-CH8 TO 332-FV1	8996, PSDTX454M3
332-CH9	TRANSFER FROM 332-CH9 TO TRUCK	8996, PSDTX454M3
332-FV1	TRANSFER FROM 332-FV1 TO 362-RM1 WITH PMCD	8996, PSDTX454M3
332-WF3A	TRANSFER FROM 322-3B3 TO 332-WF3	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
332-WF3B	TRANSFER FROM 332-WF3 TO 332-BC1	8996, PSDTX454M3
332-WF4A	TRANSFER FROM 322-3B4 TO 332-WF4	8996, PSDTX454M3
332-WF4B	TRANSFER FROM 332-WF4 TO 332-BC1	8996, PSDTX454M3
361-CN1	TRANSFER FROM 361-CN1 TO 391-AS1	8996, PSDTX454M3
361-CN2	TRANSFER FROM 361-CN2 TO 391-AS1	8996, PSDTX454M3
361-CN3	TRANSFER FROM 361-CN3 TO 391-AS1	8996, PSDTX454M3
361-CN4	TRANSFER FROM 361-CN4 TO 391-AS1	8996, PSDTX454M3
361-DU1A	TRANSFER FROM 421-SC4 TO LINE 1 IN-LINE KILN	8996, PSDTX454M3
361-DU1B	TRANSFER FROM 441-CT1 TO LINE 1 IN-LINE KILN	8996, PSDTX454M3
361-DU5A	TRANSFER FROM 361-RM1 TO 361-CN1 WITH PMCD	8996, PSDTX454M3
361-DU5B	TRANSFER FROM 361-RM1 TO 361-CN2 WITH PMCD	8996, PSDTX454M3
361-DU5C	TRANSFER FROM 361-RM1 TO 361-CN3 WITH PMCD	8996, PSDTX454M3
361-DU5D	TRANSFER FROM 361-RM1 TO 361-CN4 WITH PMCD	8996, PSDTX454M3
362-CH1	TRANSFER FROM 362-RM1 TO DUMP	8996, PSDTX454M3
362-DU1A	TRANSFER FROM 362-DU1 TO 362-CN1	8996, PSDTX454M3
362-DU1B	TRANSFER FROM 362-RM1 TO 362-CN1 WITH PMCD	8996, PSDTX454M3
38A*	COAL STORAGE PILE	8996, PSDTX454M3
38AD*	SOLID FUEL SCREEN HOPPER	106.261/11/01/2003, 106.262/11/01/2003

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
38AE*	SOLID FUEL SCREEN DUST COLLECTOR	106.261/11/01/2003, 106.262/11/01/2003
391-3B1A	TRANSFER FROM 391-3B1 TO 431-AS3 WITH APCD	8996, PSDTX454M3
391-3B1B	LINE 1 KILN DUST BIN	8996, PSDTX454M3
391-3S1A	TRANSFER FROM 411-3S1 TO 411-AS1 WITH APCD	8996, PSDTX454M3
391-3S1B	LINE 1 BLEND SILO1	8996, PSDTX454M3
391-3S2A	TRANSFER FROM 411-3S2 TO 411-AS4 WITH APCD	8996, PSDTX454M3
391-3S2B	LINE 1 BLEND SILO 2	8996, PSDTX454M3
391-AS3	TRANSFER FROM 391-AS3 TO 391-BE2 WITH PMCD	8996, PSDTX454M3
391-AS6	TRANSFER FROM 391-AS6 TO 391-3S1 WITH PMCD	8996, PSDTX454M3
391-AS7	TRANSFER FROM 391-AS7 TO 391-3S2 WITH PMCD	8996, PSDTX454M3
391-AS9	TRANSFER FROM 391-AS9 TO 391-BE1 WITH PMCD	8996, PSDTX454M3
391-ASA	TRANSFER FROM 391-ASA TO 391-BF3 WITH PMCD	8996, PSDTX454M3
391-ASB	TRANSFER FROM 391-ASB TO 391-BE3	8996, PSDTX454M3
391-ASC	TRANSFER FROM 391-ASC TO 391-3B1 WITH PMCD	8996, PSDTX454M3
391-ASDA	TRANSFER FROM 391-3B1 TO 391-ASD	8996, PSDTX454M3
391-ASDB	TRANSFER FROM 391-ASD TO 391-FM1	8996, PSDTX454M3
391-ASF	TRANSFER FROM 391-ASF TO 391-FB1 WITH APCD	8996, PSDTX454M3
391-BE1A	TRANSFER FROM 391-BE1 TO 391-AS2 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
391-BE1B	TRANSFER FROM 391-BE1 TO 391-ASA WITH PMCD	8996, PSDTX454M3
391-BE2	TRANSFER FROM 391-BE2 TO 391-AS4 WITH PMCD	8996, PSDTX454M3
391-BE3	TRANSFER FROM 391-BE1 TO 391-ASC	8996, PSDTX454M3
391-BF1A	TRANSFER FROM 391-BF1 TO 391-3S1 WITH PMCD	8996, PSDTX454M3
391-BF1B	TRANSFER FROM 391-BF1 TO 391-3S2 WITH PMCD	8996, PSDTX454M3
391-BF3	TRANSFER FROM 391-BF3 TO P31-FB1 WITH PMCD	8996, PSDTX454M3
391-BF4	TRANSFER FROM 391-BF4 TO 391-SC5	8996, PSDTX454M3
391-BF6	TRANSFER FROM 391-BF6 TO 391-3B1 WITH PMCD	8996, PSDTX454M3
391-FM1A	TRANSFER FROM 391-FM1 TO 391-ASE	8996, PSDTX454M3
391-FM1B	TRANSFER FROM 391-FM1 TO 391-ASF	8996, PSDTX454M3
391-PC1A	TRANSFER FROM 391-PC1 TO 391-PC2	8996, PSDTX454M3
391-PC1B	TRANSFER FROM 391-PC1 TO 391-3B1 WITH PMCD	8996, PSDTX454M3
391-PC1C	TRANSFER FROM 391-PC1 TO P31-FB1 WITH PMCD	8996, PSDTX454M3
391-RF1	TRANSFER FROM 391-RF1 TO 391-SC5 WITH PMCD	8996, PSDTX454M3
391-RF2	TRANSFER FROM 391-RF2 TO 391-SC6 WITH PMCD	8996, PSDTX454M3
391-RF5	TRANSFER FROM 391-RF5 TO 391-PC2	8996, PSDTX454M3
391-SC3	TRANSFER FROM 391-SC3 TO 391-RF1	8996, PSDTX454M3
391-SC4	TRANSFER FROM 391-SC4 TO 391-RF2	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
391-SC5	TRANSFER FROM 391-SC5 TO 391-PC1 WITH PMCD	8996, PSDTX454M3
391-SC6A	TRANSFER FROM 391-SC6 TO 391-RF5 WITH PMCD	8996, PSDTX454M3
391-SC6B	TRANSFER FROM 391-SC6 TO 391-BE1 WITH PMCD	8996, PSDTX454M3
392-3B1A	TRANSFER FROM 392-3B1 TO 392-FM1	8996, PSDTX454M3
392-3B1B	LINE 2 DUST BIN	8996, PSDTX454M3
392-3S1A	TRANSFER FROM 392-3S1 TO 412-AS2	8996, PSDTX454M3
392-3S1B	LINE 2 KILN FEED/ BLEND SILO	8996, PSDTX454M3
392-AS1A	TRANSFER FROM 392-AS1 TO 392-BE1 WITH PMCD	106.144/09/04/2000
392-AS1B	TRANSFER FROM 392-AS1 TO 392-BE1 WITH PMCD	106.144/09/04/2000
392-AS4.1AS	TRANSFER FROM 392-AS4.1AS TO 392-3B1	8996, PSDTX454M3
392-AS4.3AS	TRANSFER FROM 392-AS4.3AS TO 392-BE1	8996, PSDTX454M3
392-AS6	TRANSFER FROM 392-AS6 TO 392-BE2	8996, PSDTX454M3
392-AS7	TRANSFER FROM 392-AS7 TO 392-PC1	8996, PSDTX454M3
392-BE2	TRANSFER FROM 392-BE2 TO 392-AS4	8996, PSDTX454M3
392-BF1	TRANSFER FROM 392-BF1 TO 392-BI1 WITH APCD	8996, PSDTX454M3
392-BF2	TRANSFER FROM 392-BF2 TO 392-AS1	8996, PSDTX454M3
392-BI1A	TRANSFER FROM 392-BI1 TO P32-FB1	8996, PSDTX454M3
392-BI1B	LINE 2 DUST BIN	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
392-CH1	TRANSFER FROM 362-CN1 TO 392-AS1	8996, PSDTX454M3
392-CH2	TRANSFER FROM 362-CN2 TO 392-AS1	8996, PSDTX454M3
392-CH4	TRANSFER FROM 392-BE1 TO 392-AS2 WITH PMCD	8996, PSDTX454M3
392-CH5	TRANSFER FROM 392-AS2 TO 392-AS3	8996, PSDTX454M3
392-CH6A	TRANSFER FROM 392-AS3 TO 392-3S1 WITH PMCD	8996, PSDTX454M3
392-CH6B	TRANSFER FROM 432-AS3 TO 392-3S1 WITH PMCD	8996, PSDTX454M3
392-CH8	TRANSFER FROM 392-BI1 TO 432-AS2	8996, PSDTX454M3
392-FB1	LINE 2 SCRUBBER REAGENT BIN	8996, PSDTX454M3
392-FM1A	TRANSFER FROM 392-FM1 TO 392-AS6	8996, PSDTX454M3
392-FM1B	TRANSFER FROM 392-FM1 TO 392-AS7	8996, PSDTX454M3
392-PC1A	TRANSFER FROM 392-PC1 TO 392-BI1	8996, PSDTX454M3
392-PC1B	DUST POD	8996, PSDTX454M3
392-PC2A	TRANSFER FROM 392-PC2 TO 392-BI1	8996, PSDTX454M3
392-PC2B	DUST POD	8996, PSDTX454M3
392-SC1--SC8A	TRANSFER FROM 392-SC1--SC8 TO 392-SC9	8996, PSDTX454M3
392-SC1--SC8B	TRANSFER FROM 392-SC1--SC8 TO 392-SCA	8996, PSDTX454M3
392-SC9	TRANSFER FROM 392-SC9 TO 392-SCB	8996, PSDTX454M3
392-SCA	TRANSFER FROM 392-SCA TO 392-SCB	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
392-SCBA	TRANSFER FROM 392-SCB TO 392-PC1	8996, PSDTX454M3
392-SCBB	TRANSFER FROM 392-SCB TO 392-SCC	8996, PSDTX454M3
392-SCCA	TRANSFER FROM 392-SCC TO 392-SCD	8996, PSDTX454M3
392-SCCB	TRANSFER FROM 392-SCC TO 392-PC2	8996, PSDTX454M3
392-SCD	TRANSFER FROM 392-SCD TO 392-SCE	8996, PSDTX454M3
392-SCE	TRANSFER FROM 392-SCE TO 392-BE2	8996, PSDTX454M3
411-AS1	TRANSFER FROM 411-AS1 TO 411-AS2 WITH PMCD	8996, PSDTX454M3
411-AS2	TRANSFER FROM 411-AS2 TO 411-AS4 WITH PMCD	8996, PSDTX454M3
411-AS7	TRANSFER FROM 411-AS7 TO 431-FB1 WITH PMCD	8996, PSDTX454M3
411-BF1	TRANSFER FROM 411-BF1 TO 391-AS3 WITH PMCD	8996, PSDTX454M3
411-CH1A	TRANSFER FROM 411-AS9 TO 411-AS3 WITH PMCD	8996, PSDTX454M3
411-CH1B	TRANSFER FROM 411-AS6 TO 411-AS3 WITH PMCD	8996, PSDTX454M3
412-CH1C	TRANSFER FROM 392-3S1 TO 412-AS1	8996, PSDTX454M3
412-CH2	TRANSFER FROM 392-3S1 TO 412-AS1	8996, PSDTX454M3
412-CH4	TRANSFER FROM 412-BF1 TO 412-BE1	8996, PSDTX454M3
412-CH5	TRANSFER FROM 412-AS1 TO 412-BE1 WITH PMCD	8996, PSDTX454M3
412-CH6	TRANSFER FROM 412-BE1 TO 412-AS3 WITH PMCD	8996, PSDTX454M3
412-CH7	TRANSFER FROM 412-AS3 TO 432-FB1 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
42*	SHALE ROLL CRUSHER	8996, PSDTX454M3
421-BF1A	TRANSFER FROM 421-BF1 TO 391-SC3	8996, PSDTX454M3
421-BF1B	TRANSFER FROM 421-BF1 TO 391-SC4	8996, PSDTX454M3
421-SC1A	TRANSFER FROM 421-SC1 TO 421-SC2	8996, PSDTX454M3
421-SC1B	TRANSFER FROM 421-SC1 TO TRUCK	8996, PSDTX454M3
421-SC2	TRANSFER FROM 421-SC2 TO 421-SC3	8996, PSDTX454M3
421-SC3	TRANSFER FROM 421-SC3 TO 421-SC4	8996, PSDTX454M3
422-BF1	TRANSFER FROM 422-BF1 TO 392-SC1--SC8	8996, PSDTX454M3
422-CH1	TRANSFER FROM 422-SC1 TO TRUCK	8996, PSDTX454M3
422-CH2	TRANSFER FROM 422-SC1 TO 422-SC2	8996, PSDTX454M3
422-SC2	TRANSFER FROM 422-SC2 TO 392-BE1	8996, PSDTX454M3
431- AS1A	TRANSFER FROM 431-AS1 TO 431-FM1	8996, PSDTX454M3
431-AS1B	TRANSFER FROM 431-FB1 TO 431-AS1	8996, PSDTX454M3
431-AS2	TRANSFER FROM 431-AS2 TO 431-RF1 WITH PMCD	8996, PSDTX454M3
431-BE1	TRANSFER FROM 431-BE1 TO 431-AS2 WITH PMCD	8996, PSDTX454M3
431-BF1	TRANSFER FROM 431-BF1 TO 431-FB1 WITH PMCD	8996, PSDTX454M3
431-BF2	TRANSFER FROM 431-BF2 TO 431-FB1 WITH PMCD	8996, PSDTX454M3
431-FB1A	TRANSFER FROM 431-FB1 TO 431-AS1 WITH APCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
431-FB1B	LINE 1 KILN FEED CALIBRATION BIN	8996, PSDTX454M3
431-FM1	TRANSFER FROM 431-FM1 TO 431-BE1 WITH PMCD	8996, PSDTX454M3
431-RF1	TRANSFER FROM 431-RF1 TO 441-PH1 WITH PMCD	8996, PSDTX454M3
432-CH10	TRANSFER FROM 432-BF1 TO 432-FB1 WITH PMCD	8996, PSDTX454M3
432-CH11	TRANSFER FROM 432-BF2 TO 432-RF1	8996, PSDTX454M3
432-CH1	TRANSFER FROM 432-AS1 TO 432-FM1	8996, PSDTX454M3
432-CH2	TRANSFER FROM 432-FM1 TO 432-AS2	8996, PSDTX454M3
432-CH3	TRANSFER FROM 432-AS2 TO 432-BE1	8996, PSDTX454M3
432-CH5	TRANSFER FROM 432-BE1 TO 432-AS4 WITH PMCD	8996, PSDTX454M3
432-CH6	TRANSFER FROM 432-AS4 TO 432-RF1 WITH APMCD	8996, PSDTX454M3
432-CH7	TRANSFER FROM 432-RF1 TO 442-PH1	8996, PSDTX454M3
432-CH8	TRANSFER FROM 432-BE1 TO 432-AS3 WITH APMCD	8996, PSDTX454M3
432-FB1A	TRANSFER FROM 432-FB1 TO 432-AS1	8996, PSDTX454M3
432-FB1B	LINE 2 FINES BIN	8996, PSDTX454M3
441-CT1	TRANSFER FROM 441-CT1 TO 421-SC1	8996, PSDTX454M3
441-DU1	TRANSFER FROM 441-PH1 TO 441-CT1	8996, PSDTX454M3
442-DU1	TRANSFER FROM 442-PH1 TO 442-EC1	8996, PSDTX454M3
442-EC1	TRANSFER FROM 442-EC1 TO 422-SC1	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
451-BC1	TRANSFER FROM 451-BC1 TO 451-BE1	8996, PSDTX454M3
451-CH1	TRANSFER FROM 451-BE1 TO 451-PR1	8996, PSDTX454M3
451-HP1A	TRANSFER FROM 451-HP1 TO 451-SC1	8996, PSDTX454M3
451-HP1B	LINE 1 ALTERNATIVE FUEL HOPPER	8996, PSDTX454M3
451-SC1	TRANSFER FROM 451-SC1 TO 451-BC1	8996, PSDTX454M3
452-BI1A	TRANSFER FROM 451-HP1 TO 451-SC1	8996, PSDTX454M3
452-BI1B	LINE 2 ALTERNATIVE FUEL HOPPER	8996, PSDTX454M3
452-CH1	TRANSFER FROM 452-SC1 TO 452-BC1	8996, PSDTX454M3
452-CH2	TRANSFER FROM 452-BC1 TO 452-BE1	8996, PSDTX454M3
452-CH3	TRANSFER FROM 452-BE1 TO 452-PR1	8996, PSDTX454M3
461-KL1	TRANSFER FROM 461-KL1 TO 471-GQ1	8996, PSDTX454M3
462-CH1	TRANSFER FROM 462-CN1 TO 472-GQ1	8996, PSDTX454M3
462-CH2	TRANSFER FROM 462-KL1 TO 492-AC1	8996, PSDTX454M3
462-KL1	TRANSFER FROM 462-KL1 TO 472-GQ1	8996, PSDTX454M3
471-AQ1	TRANSFER FROM 471-AQ1 TO 491-SC7	8996, PSDTX454M3
471-CN1	TRANSFER FROM 471-CN1 TO 491-CV4	8996, PSDTX454M3
471-DE1	TRANSFER FROM 471-DE1 TO 491-CV3	8996, PSDTX454M3
471-GQ1A	LINE 1 CLINKER COOLER	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
471-GQ1B	TRANSFER FROM 471-GQ1 TO 471-DE1	8996, PSDTX454M3
471-GQ1C	TRANSFER FROM 471-GQ1 TO 491-CV1	8996, PSDTX454M3
471-HC1	TRANSFER FROM 471-HC1 TO 491-CV1	8996, PSDTX454M3
471-MC1A	TRANSFER FROM 471-MC1 TO 491-SC2	8996, PSDTX454M3
471-MC1B	TRANSFER FROM 471-MC1 TO 491-SC3	8996, PSDTX454M3
472-DU1	TRANSFER FROM 472-DU1 TO 472-CN1	8996, PSDTX454M3
472-GQ1A	LINE 2 CLINKER COOLER	8996, PSDTX454M3
472-GQ1B	TRANSFER FROM 472-GQ1 TO 472-DU1	8996, PSDTX454M3
491-3S1	LINE 1 CLINKER SILO 1	8996, PSDTX454M3
491-3S2	LINE 1 CLINKER SILO 2	8996, PSDTX454M3
491-3S3	LINE 1 CLINKER SILO 3	8996, PSDTX454M3
491-3S4	LINE 1 CLINKER SILO 4	8996, PSDTX454M3
491-3S5	LINE 1 CLINKER SILO 5	8996, PSDTX454M3
491-3S6	LINE 1 FLY ASH SILO	8996, PSDTX454M3
491-3S7	LINE 1 CLINKER SILO 7	8996, PSDTX454M3
491-3S8A	TRANSFER FROM 491-3S8 TO 491-3S6 WITH PMCD	8996, PSDTX454M3
491-3S8B	LINE 1 CLINKER SILO 8	8996, PSDTX454M3
491-AC2	TRNSFR FRM 491-AC2 TO OFF-SPEC CLINKER PILE W/PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
491-BC1	TRANSFER FROM 491-BC1 TO 491-AC1	8996, PSDTX454M3
491-BF1	TRANSFER FROM 491-BF1 TO 491-3S6 WITH PMCD	8996, PSDTX454M3
491-BF2	TRANSFER FROM 491-BF2 TO 491-3S3 WITH PMCD	8996, PSDTX454M3
491-CH1A	TRANSFER FROM 491-AC1 TO 491-3S1 WITH PMCD	8996, PSDTX454M3
491-CH1B	TRANSFER FROM 491-AC1 TO 491-CV5 WITH APMCD	8996, PSDTX454M3
491-CH2A	TRANSFER FROM 491-AC1 TO 491-3S2 WITH PMCD	8996, PSDTX454M3
491-CH2B	TRANSFER FROM 491-AC1 TO 491-CV6 WITH PMCD	8996, PSDTX454M3
491-CV1A	TRANSFER FROM 491-CV1 TO 491-AC1	8996, PSDTX454M3
491-CV1B	TRANSFER FROM 491-CV1 TO 491-AC2	8996, PSDTX454M3
491-CV3	TRANSFER FROM 491-CV3 TO 491-CV1	8996, PSDTX454M3
491-CV4	TRANSFER FROM 491-CV4 TO 491-CV1	8996, PSDTX454M3
491-CV5A	TRANSFER FROM 491-CV5 TO 491-3S7 WITH PMCD	8996, PSDTX454M3
491-CV5B	TRANSFER FROM 491-CV5 TO 491-3S4 WITH PMCD	8996, PSDTX454M3
491-CV5C	TRANSFER FROM 491-CV5 TO 491-3S6 WITH PMCD	8996, PSDTX454M3
491-CV5D	TRANSFER FROM 491-CV5 TO 491-3S3 WITH PMCD	8996, PSDTX454M3
491-CV6A	TRANSFER FROM 491-CV6 TO 491-3S6 WITH PMCD	8996, PSDTX454M3
491-CV6B	TRANSFER FROM 491-CV6 TO 491-3S8 WITH PMCD	8996, PSDTX454M3
491-CV6C	TRANSFER FROM 491-CV6 TO 491-3S3 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
491-CV6D	TRANSFER FROM 491-CV6 TO 491-3S5 WITH PMCD	8996, PSDTX454M3
491-HP1A	TRANSFER FROM 491-HP1 TO 491-BC1	8996, PSDTX454M3
491-HP1B	LINE 1 OUTSIDE CLINKER HOPPER	8996, PSDTX454M3
491-SC1	TRANSFER FROM 491-SC1 TO 491-SC4	8996, PSDTX454M3
491-SC2	TRANSFER FROM 491-SC2 TO 491-SC1	8996, PSDTX454M3
491-SC3	TRANSFER FROM 491-SC3 TO 491-SC1	8996, PSDTX454M3
491-SC4	TRANSFER FROM 491-SC4 TO 491-SC5	8996, PSDTX454M3
491-SC5	TRANSFER FROM 491-SC5 TO 491-CV1	8996, PSDTX454M3
491-SC7	TRANSFER FROM 491-SC7 TO 491-SC1	8996, PSDTX454M3
492-3S1	LINE 2 CLINKER SILO	8996, PSDTX454M3
492-3S2	LINE 2 CLINKER SILO	8996, PSDTX454M3
492-AC2A	TRANSFER FROM 492-AC2 TO 491-CV5 WITH PMCD	8996, PSDTX454M3
492-AC2B	TRANSFER FROM 492-AC2 TO 491-CV6 WITH PMCD	8996, PSDTX454M3
492-CH10	TRANSFER FROM 492-AC1 TO 492-3S2 WITH PMCD	8996, PSDTX454M3
492-CH11	TRANSFER FROM 492-AC1 TO 492-AC3 WITH PMCD	8996, PSDTX454M3
492-CH12	TRANSFER FROM 492-AC3 TO 492-3S1 WITH PMCD	8996, PSDTX454M3
492-CH13	TRANSFER FROM 492-BF2 TO 492-3S2 WITH PMCD	8996, PSDTX454M3
492-CH2	TRANSFER FROM 472-GQ1 TO 492-AC1	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
492-CH3	TRANSFER FROM 472-CN1 TO 492-CV1 WITH PMCD	8996, PSDTX454M3
492-CH4	TRANSFER FROM 492-CV1 TO 492-CV2 WITH PMCD	8996, PSDTX454M3
492-CH5	TRANSFER FROM 492-CV2 TO 492-AC1 WITH PMCD	8996, PSDTX454M3
492-CH6	TRANSFER FROM 492-BF1 TO 492-AC1	8996, PSDTX454M3
492-CH8	TRANSFER FROM 492-AC1 TO 492-AC2 WITH PMCD	8996, PSDTX454M3
4A1-3B1A	TRANSFER FROM 4A1-3S1 TO 4A1-SG3	8996, PSDTX454M3
4A1-3B1B	TRANSFER FROM 4A1-3B1 TO 4A1-RF1	8996, PSDTX454M3
4A1-3B1C	LINE 1 BYPASS DUST BIN	8996, PSDTX454M3
4A1-BE1	TRANSFER FROM 4A1-BE1 TO 4A1-3B1 WITH PMCD	8996, PSDTX454M3
4A1-BF4	TRANSFER FROM 4A1-BF4 TO 4A1-3B1 WITH PMCD	8996, PSDTX454M3
4A1-CT1	TRANSFER FROM 4A1-CT1 TO 4A1-SC1	8996, PSDTX454M3
4A1-LS1	TRANSFER FROM 4A1-LS1 TO TRUCK	8996, PSDTX454M3
4A1-LS2	TRANSFER 4A1-3B1 TO TRUCK	8996, PSDTX454M3
4A1-RF1	TRANSFER FROM 4A1-RF1 TO 4A1-SC7	8996, PSDTX454M3
4A1-SC1	TRANSFER FROM 4A1-SC1 TO 4A1-SC2	8996, PSDTX454M3
4A1-SC2	TRANSFER FROM 4A1-SC2 TO 4A1-SC4	8996, PSDTX454M3
4A1-SC3	TRANSFER FROM 4A1-SC3 TO 4A1-SC5	8996, PSDTX454M3
4A1-SC4	TRANSFER FROM 4A1-SC4 TO 4A1-SC5	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
4A1-SC5	TRANSFER FROM 4A1-SC5 TO 4A1-SC6	8996, PSDTX454M3
4A1-SC6	TRANSFER FROM 4A1-SC6 TO 4A1-BE1	8996, PSDTX454M3
4A1-SC7	TRANSFER FROM 4A1-SC7 TO 4A1-MX1 WITH PMCD	8996, PSDTX454M3
4A1-SCA	TRANSFER FROM 4A1-BF1 TO 4A1-SC3 WITH PMCD	8996, PSDTX454M3
4A1-SCB	TRANSFER FROM 4A1-BF1 TO 4A1-SC3 WITH PMCD	8996, PSDTX454M3
4A1-SCC	TRANSFER FROM 4A1-BF1 TO 4A1-SC3 WITH PMCD	8996, PSDTX454M3
4A1-SCD	TRANSFER FROM 4A1-BF1 TO 4A1-SC4 WITH PMCD	8996, PSDTX454M3
4A1-SCE	TRANSFER FROM 4A1-BF1 TO 4A1-SC4 WITH PMCD	8996, PSDTX454M3
4A1-SCF	TRANSFER FROM 4A1-BF1 TO 4A1-SC4 WITH PMCD	8996, PSDTX454M3
4A1-SCG	TRANSFER FROM 4A1-BF1 TO 4A1-SC4 WITH PMCD	8996, PSDTX454M3
4A1-SG1	TRANSFER FROM 4A1-SC1 TO TRUCK	8996, PSDTX454M3
4A1-WE1	TRANSFER FROM 4A1-WE1 TO 4A1-MX1 WITH PMCD	8996, PSDTX454M3
4A2-BF1A	TRANSFER FROM 4A2-BF1 TO 4A2-SC1--SC3	8996, PSDTX454M3
4A2-BF1B	TRANSFER FROM 4A2-BF1 TO 4A2-SC4--SC6	8996, PSDTX454M3
4A2-BF1C	TRANSFER FROM 4A2-BF1 TO 4A2-SC9	8996, PSDTX454M3
4A2-CH9	TRANSFER FROM 4A2-SCA TO 4A2-PC2	8996, PSDTX454M3
4A2-PC1	TRANSFER FROM 4A2-PC1 TO 4A1-3B1	8996, PSDTX454M3
4A2-SC1--SC3	TRANSFER FROM 4A2-SC1--SC3 TO 4A2-SC8	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
4A2-SC4--SC6	TRANSFER FROM 4A2-SC4--SC6 TO 4A2-SC7	8996, PSDTX454M3
4A2-SC7	TRANSFER FROM 4A2-SC7 TO 4A2-SCA	8996, PSDTX454M3
4A2-SC8	TRANSFER FROM 4A2-SC8 TO 4A2-SCA	8996, PSDTX454M3
4A2-SC9	TRANSFER FROM 4A2-SC9 TO 4A2-SCA	8996, PSDTX454M3
521-3S1	LINE 1 GYPSUM SILO	8996, PSDTX454M3
521-BC1	TRANSFER FROM 521-BC1 TO 521-BC2	8996, PSDTX454M3
521-BC2A	TRANSFER FROM 521-BC2 TO 521-3S1 WITH PMCD	8996, PSDTX454M3
521-BC2B	TRANSFER FROM 521-BC2 TO 521-BC3 WITH PMCD	8996, PSDTX454M3
521-BC3A	TRANSFER FROM 521-BC3 TO T21-BC1 WITH PMCD	8996, PSDTX454M3
521-BC3B	TRANSFER FROM 521-BC3 TO T22-3B1 WITH PMCD	8996, PSDTX454M3
521-BF1	TRANSFER FROM 521-BF1 TO 521-3S1 WITH PMCD	8996, PSDTX454M3
521-BF2	TRANSFER FROM 521-BF2 TO 531-BC1 WITH PMCD	8996, PSDTX454M3
521-BF6	TRANSFER FROM 521-BF6 TO 521-WF6 WITH PMCD	8996, PSDTX454M3
521-HP1A	TRANSFER FROM 521-HP1 TO 521-BC1	8996, PSDTX454M3
521-HP1B	LINE 1 PROCESM HOPPER	8996, PSDTX454M3
521-RF6A	TRANSFER FROM 521-RF6 TO 521-WF6 WITH PMCD	8996, PSDTX454M3
521-RF6B	TRANSFER FROM 491-3S6 TO 521-RF6 WITH PMCD	8996, PSDTX454M3
521-SX1	TRANSFER FROM 521-SX1 TO 531-BC1 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
521-SX6	TRANSFER FROM 521-SX6 TO 531-BC1 WITH PMCD	8996, PSDTX454M3
521-WF1A	TRANSFER FROM 521-3S1 TO 521-WF1 WITH PMCD	8996, PSDTX454M3
521-WF1B	TRANSFER FROM 521-WF1 TO 531-BC1 WITH PMCD	8996, PSDTX454M3
521-WF6	TRANSFER FROM 521-WF6 TO 531-BC1 WITH PMCD	8996, PSDTX454M3
522-BF1	TRANSFER FROM 522-BF1 TO 522-WF1 WITH PMCD	8996, PSDTX454M3
522-RF6A	TRANSFER FROM 522-RF6 TO 522-WF6	8996, PSDTX454M3
522-RF6B	TRANSFER FROM 491-3S6 TO 522-RF6	8996, PSDTX454M3
522-SC6	TRANSFER FROM 522-SC6 TO 532-BC1	8996, PSDTX454M3
522-SX1	TRANSFER FROM 522-SX1 TO 532-BC1 WITH PMCD	8996, PSDTX454M3
522-SX6	TRANSFER FROM 522-SX6 TO 522-SC6	8996, PSDTX454M3
522-WF1A	TRANSFER FROM 521-3S1 TO 522-WF1 WITH PMCD	8996, PSDTX454M3
522-WF1B	TRANSFER FROM 522-WF1 TO 532-BC1 WITH PMCD	8996, PSDTX454M3
522-WF6	TRANSFER FROM 522-WF6 TO 532-BC1	8996, PSDTX454M3
523-CH1	TRANSFER FROM 521-BC3 TO 523-BC1 WITH PMCD	8996, PSDTX454M3
523-CH2	TRANSFER FROM 523-BC1 TO 523-BC2	8996, PSDTX454M3
523-CH3	TRANSFER FROM 523-BC2 TO 523-3S1 WITH PMCD	8996, PSDTX454M3
523-CH4	TRANSFER FROM 523-BC2 TO T23-3S1	8996, PSDTX454M3
523-CH5	TRANSFER FROM 523-BF1 TO 523-3S1 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
523-CH6	TRANSFER FROM 523-3S1 TO 523-WF1	8996, PSDTX454M3
523-CH8	TRANSFER FROM 523-WF1 TO 533-BC2	8996, PSDTX454M3
531-BC1	TRANSFER FROM 531-BC1 TO 561-BM1 WITH PMCD	8996, PSDTX454M3
531-BF1	TRANSFER FROM 531-BF1 TO 531-WF1 WITH PMCD	8996, PSDTX454M3
531-BF4	TRANSFER FROM 531-BF4 TO 531-WF4 WITH PMCD	8996, PSDTX454M3
531-BF7	TRANSFER FROM 531-BF7 TO 531-WF7 WITH PMCD	8996, PSDTX454M3
531-WF1A	TRANSFER FROM 491-3S1 TO 531-WF1 WITH PMCD	8996, PSDTX454M3
531-WF1B	TRANSFER FROM 531-WF1 TO 531-BC1 WITH PMCD	8996, PSDTX454M3
531-WF4A	TRANSFER FROM 491-3S4 TO 531-WF4 WITH PMCD	8996, PSDTX454M3
531-WF4B	TRANSFER FROM 531-WF4 TO 531-BC1 WITH PMCD	8996, PSDTX454M3
531-WF7A	TRANSFER FROM 491-3S7 TO 531-WF7 WITH PMCD	8996, PSDTX454M3
531-WF7B	TRANSFER FROM 531-WF7 TO 531-BC1 WITH PMCD	8996, PSDTX454M3
532-BC1	TRANSFER FROM 532-BC1 TO 562-BM1 WITH PMCD	8996, PSDTX454M3
532-BF2	TRANSFER FROM 532-BF2 TO 532-WF2 WITH PMCD	8996, PSDTX454M3
532-BF3	TRANSFER FROM 532-BF3 TO 532-WF3 WITH PMCD	8996, PSDTX454M3
532-BF5	TRANSFER FROM 532-BF5 TO 532-WF5 WITH PMCD	8996, PSDTX454M3
532-BF8	TRANSFER FROM 532-BF8 TO 532-WF8 WITH PMCD	8996, PSDTX454M3
532-SX3A	TRANSFER FROM 532-SX3 TO 532-BC1	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
532-SX3B	TRANSFER FROM 532-SX3 TO 532-BC1 WITH PMCD	8996, PSDTX454M3
532-WF2A	TRANSFER FROM 491-3S2 TO 532-WF2 WITH PMCD	8996, PSDTX454M3
532-WF2B	TRANSFER FROM 532-WF2 TO 532-BC1 WITH PMCD	8996, PSDTX454M3
532-WF3A	TRANSFER FROM 491-3S3 TO 532-WF3 WITH PMCD	8996, PSDTX454M3
532-WF3B	TRANSFER FROM 532-WF3 TO 532-BC1 WITH PMCD	8996, PSDTX454M3
532-WF5A	TRANSFER FROM 491-3S5 TO 532-WF5 WITH PMCD	8996, PSDTX454M3
532-WF5B	TRANSFER FROM 532-WF5 TO 532-BC1 WITH PMCD	8996, PSDTX454M3
532-WF8A	TRANSFER FROM 491-3S8 TO 532-WF8 WITH PMCD	8996, PSDTX454M3
532-WF8B	TRANSFER FROM 532-WF8 TO 532-BC1 WITH PMCD	8996, PSDTX454M3
533-BF1	TRANSFER FROM 533-BF1 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-BF2	TRANSFER FROM 533-BF2 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-BF3	TRANSFER FROM 533-BF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-BF4	TRANSFER FROM 533-BF4 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-CH10	TRANSFER FROM 533-BF5 TO 533-BC2 WITH PMCD	8996, PSDTX454M3
533-CH1	TRANSFER FROM 492-3S1 TO 533-WF1 WITH PMCD	8996, PSDTX454M3
533-CH2	TRANSFER FROM 533-WF1 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-CH3	TRANSFER FROM 492-3S1 TO 533-WF2 WITH PMCD	8996, PSDTX454M3
533-CH4	TRANSFER FROM 533-WF2 TO 533-BC1 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
533-CH5A	TRANSFER FROM 563-AS3 TO 563-FM1	8996, PSDTX454M3
533-CH5B	TRANSFER FROM 492-3S2 TO 533-WF3 WITH PMCD	8996, PSDTX454M3
533-CH6A	TRANSFER FROM 563-FM1 TO 563-BM1	8996, PSDTX454M3
533-CH6B	TRANSFER FROM 533-WF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-CH7A	TRANSFER FROM 533-BC2 TO 563-BM1	8996, PSDTX454M3
533-CH7B	TRANSFER FROM 533-WF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-CH8	TRANSFER FROM 533-WF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-CH9	TRANSFER FROM 533-WF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M3
533-WF5	SYN GYP DROP FROM FEED CONVEYOR TO SYN GYP BIN	106.261/11/01/2003
561-AS1	TRANSFER FROM 561-AS1 TO 561-BE1 WITH PMCD	8996, PSDTX454M3
561-AS3	TRANSFER FROM 561-AS3 TO 561-SR1 WITH PMCD	8996, PSDTX454M3
561-AS6	TRANSFER FROM 561-AS6 TO 561-BM1 WITH PMCD	8996, PSDTX454M3
561-BE1	TRANSFER FROM 561-BE1 TO 561-AS2 WITH PMCD	8996, PSDTX454M3
561-BF1	TRANSFER FROM 561-BF1 TO 591-ASA WITH PMCD	8996, PSDTX454M3
561-BM1A	TRANSFER FROM 561-BM1 TO 561-AS1 WITH PMCD	8996, PSDTX454M3
561-BM1B	TRANSFER FROM 561-BM1 TO 561-SR1 WITH PMCD	8996, PSDTX454M3
561-BM1C	LINE 1 FINISH MILL 1	8996, PSDTX454M3
561-SR1A	TRANSFER FROM 561-SR1 TO 561-AS4 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
561-SR1B	TRANSFER FROM 561-SR1 TO 561-BF1 WITH PMCD	8996, PSDTX454M3
562-AS1	TRANSFER FROM 562-AS1 TO 562-BE1 WITH PMCD	8996, PSDTX454M3
562-AS3	TRANSFER FROM 562-AS3 TO 562-SR1 WITH PMCD	8996, PSDTX454M3
562-AS6	TRANSFER FROM 562-AS6 TO 562-BM1 WITH PMCD	8996, PSDTX454M3
562-BE1	TRANSFER FROM 562-BE1 TO 562-AS2 WITH PMCD	8996, PSDTX454M3
562-BF1	TRANSFER FROM 562-BF1 TO 592-ASA WITH PMCD	8996, PSDTX454M3
562-BM1A	TRANSFER FROM 562-BM1 TO 562-AS1 WITH PMCD	8996, PSDTX454M3
562-BM1B	TRANSFER FROM 562-BM1 TO 562-SR1 WITH PMCD	8996, PSDTX454M3
562-BM1C	LINE 1 FINISH MILL 2	8996, PSDTX454M3
562-SR1A	TRANSFER FROM 562-SR1 TO 562-AS4 WITH PMCD	8996, PSDTX454M3
562-SR1B	TRANSFER FROM 562-SR1 TO 562-BF1 WITH PMCD	8996, PSDTX454M3
563-AS1	TRANSFER FROM 563-AS1 TO 563-BE1	8996, PSDTX454M3
563-BF1A	TRANSFER FROM 563-BF1 TO 593-AS1	8996, PSDTX454M3
563-BF1B	TRANSFER FROM 563-BF1 TO 593-AS2	8996, PSDTX454M3
563-BF2	TRANSFER FROM 563-BF2 TO 563-SC1	8996, PSDTX454M3
563-BM1A	TRANSFER FROM 563-BM1 TO 563-AS1	8996, PSDTX454M3
563-BM1	LINE 2 CEMENT MILL	8996, PSDTX454M3
563-CH2	TRANSFER FROM 563-BE1 TO 563-AS2 WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
563-CH3A	TRANSFER FROM 563-AS2 TO 563-BE1	8996, PSDTX454M3
563-CH3B	TRANSFER FROM 563-SR1 TO 563-AS3	8996, PSDTX454M3
563-CH4	TRANSFER FROM 563-AS2 TO 563-SR1	8996, PSDTX454M3
563-CH7	TRANSFER FROM 563-SC2 TO 563-BE1	8996, PSDTX454M3
563-RF1	TRANSFER FROM 563-RF1 TO 563-SC2	8996, PSDTX454M3
563-SC1	TRANSFER FROM 563-SC1 TO 563-RF1	8996, PSDTX454M3
591-3S1	LINE 1 CEMENT SILO 1	8996, PSDTX454M3
591-3S2	LINE 1 CEMENT SILO 2	8996, PSDTX454M3
591-3S3	LINE 1 CEMENT INTERSTICE SILO 3	8996, PSDTX454M3
591-3S4	LINE 1 CEMENT SILO 4	8996, PSDTX454M3
591-3S5	LINE 1 CEMENT SILO 5	8996, PSDTX454M3
591-3S6	LINE 1 CEMENT INTERSTICE SILO 6	8996, PSDTX454M3
591-3S7	LINE 1 CEMENT SILO 7	8996, PSDTX454M3
591-3S8	LINE 1 CEMENT SILO 8	8996, PSDTX454M3
591-3SA	TRANSFER FROM 591-3SA TO 61A-AE1	8996, PSDTX454M3
591-3SB	TRANSFER FROM 591-3SB TO 61B-AE1	8996, PSDTX454M3
591-3SC	TRANSFER FROM 591-3SC TO 61C-AE1	8996, PSDTX454M3
591-3SD	TRANSFER FROM 591-3SD TO 61D-AE1	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
591-AS1	TRANSFER FROM 591-AS1 TO 591-3S1	8996, PSDTX454M3
591-AS4	TRANSFER FROM 591-AS4 TO 591-3S4	8996, PSDTX454M3
591-AS5	TRANSFER FROM 591-AS5 TO 591-3S5	8996, PSDTX454M3
591-AS7	TRANSFER FROM 591-AS7 TO 591-3S7	8996, PSDTX454M3
591-AS8A	TRANSFER FROM 591-AS8 TO 591-3S6	8996, PSDTX454M3
591-AS8B	TRANSFER FROM 591-AS8 TO 591-3S8	8996, PSDTX454M3
591-ASA	TRANSFER FROM 591-ASA TO 591-ASC WITH PMCD	8996, PSDTX454M3
591-ASC	TRANSFER FROM 591-ASC TO 591-CQ1 WITH PMCD	8996, PSDTX454M3
591-ASD	TRANSFER FROM 591-ASD TO 590-BE1 WITH PMCD	8996, PSDTX454M3
591-ASE	TRANSFER FROM 591-ASE TO 591-BE1	8996, PSDTX454M3
591-ASF	TRANSFER FROM 591-ASF TO 591-3S3	8996, PSDTX454M3
591-ASH	TRANSFER FROM 591-ASH TO 591-BEA WITH PMCD	8996, PSDTX454M3
591-ASK	TRANSFER FROM 591-ASK TO 591-3SB	8996, PSDTX454M3
591-ASM	TRANSFER FROM 591-ASM TO 591-3SD	8996, PSDTX454M3
591-ASR	TRANSFER FROM 591-ASR TO 591-3SA	8996, PSDTX454M3
591-ASS	TRANSFER FROM 591-ASS TO 591-3SC	8996, PSDTX454M3
591-BE1	TRANSFER FROM 591-BE1 TO 591-ASF WITH PMCD	8996, PSDTX454M3
591-BEA	TRANSFER FROM 591-BEA TO 591-ASJ WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
591-BF1	TRANSFER FROM 591-BF1 TO 591-ASE	8996, PSDTX454M3
591-BF2	TRANSFER FROM 591-BF2 TO 591-SC2	8996, PSDTX454M3
591-BF3	TRANSFER FROM 591-BF3 TO 591-SC3	8996, PSDTX454M3
591-BFA	TRANSFER FROM 591-BFA TO 591-3SA	8996, PSDTX454M3
591-BFB	TRANSFER FROM 591-BFB TO 591-3SB	8996, PSDTX454M3
591-CH23	TRANSFER FROM 590-BF4 TO 591-3S2	8996, PSDTX454M3
591-CH3	TRANSFER FROM 591-BF1 TO 591-ASE	8996, PSDTX454M3
591-CQ1A	TRANSFER FROM 591-CQ1 TO BARRELS	8996, PSDTX454M3
591-CQ1B	TRANSFER FROM 591-CQ1 TO 561-SR1 WITH PMCD	8996, PSDTX454M3
591-SC2	TRANSFER FROM 591-SC2 TO 591-3S1	8996, PSDTX454M3
591-SC3	TRANSFER FROM 591-SC3 TO 591-3S7	8996, PSDTX454M3
591-SM1	TRANSFER FROM 591-CQ1 TO 591-ASD WITH PMCD	8996, PSDTX454M3
592-ASB	FM2 EXHAUST BAGFILTER DISCHARGE AIRSLIDE	8996, PSDTX454M3
592-ASC	TRANSFER FROM 592-ASC TO 592-CQ1 WITH PMCD	8996, PSDTX454M3
592-ASD	TRANSFER FROM 592-ASD TO 590-BE1 WITH PMCD	8996, PSDTX454M3
592-CQ1A	TRANSFER FROM 592-CQ1 TO BARRELS	8996, PSDTX454M3
592-CQ1B	TRANSFER FROM 591-CQ1 TO BARRELS WITH PMCD	8996, PSDTX454M3
592-SM1	TRANSFER FROM 592-CQ1 TO 592-ASD WITH PMCD	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
593-AS1	TRANSFER FROM 593-AS1 TO 593-RF1	8996, PSDTX454M3
593-AS2	TRANSFER FROM 593-AS2 TO 593-RF2	8996, PSDTX454M3
593-AS4	FM <sub>3</sub> PRODUCT BUCKET ELEVATOR DISCHARGE AIRSLIDE	8996, PSDTX454M3
593-CH1	TRANSFER FROM 593-AS3 TO 593-BE1	8996, PSDTX454M3
593-CH2	TRANSFER FROM 593-AS3 TO 593-CQ1	8996, PSDTX454M3
593-CH3	TRANSFER FROM 593-BF1 TO 593-AS3	8996, PSDTX454M3
593-CH4	TRANSFER FROM 593-BE1 TO 593-AS4 WITH PMCD	8996, PSDTX454M3
593-CH5	TRANSFER FROM 593-CQ1 TO 593-BE1	8996, PSDTX454M3
593-RF1	TRANSFER FROM 593-RF1 TO 593-AS3	8996, PSDTX454M3
593-RF2	TRANSFER FROM 593-RF2 TO 593-AS3	8996, PSDTX454M3
59A-AS1	CMT XFER- 590-BE1 DISCH AIRSLIDE	8996, PSDTX454M3
59A-AS2	CMT XFER- 590-BE1 DISCH 2ND AIRSLIDE N-S	8996, PSDTX454M3
59A-AS3	CMT XFER- 590-BE3 FEED AIRSLIDE	8996, PSDTX454M3
59A-AS4	CMT XFER- N ELEV FEED AIRSLIDE FROM MW2	8996, PSDTX454M3
59A-AS5	CMT XFER- 590-BE3 DISCH AIRSLIDE	8996, PSDTX454M3
59A-AS6	CMT XFER- 590-AS7 FD AIRSLIDE	8996, PSDTX454M3
59A-AS7	CMT XFER- CEMENT SILO 1 FEED AIRSLIDE	8996, PSDTX454M3
59A-AS8	CMT XFER- CEMENT SILO 2 OR 5 FD AIRSLIDE	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
59A-BE1	FM 1&2 PRODUCT ELEVATOR BAG FILTER	8996, PSDTX454M3
59A-BE3	CMT XFER- SOUTH BUCKET ELEVATOR	8996, PSDTX454M3
59A-BEA	CMT XFER- SILO A-D BUCKET ELEVATOR	8996, PSDTX454M3
59A-BF1	FM 1&2 PRODUCT ELEVATOR BAG FILTER	8996, PSDTX454M3
59A-BF3	CMT XFER- S-ELEVATOR BOOT BAG FILTER	8996, PSDTX454M3
59A-BF4	CMT XFER- S-ELEVATOR DISCH BAG FILTER	8996, PSDTX454M3
59A-BFA	CEMENT SILO A-D BAG FILTER ON SILO A	8996, PSDTX454M3
59A-BFB	CEMENT SILO A-D BAG FILTER ON SILO D	8996, PSDTX454M3
59A-MW1	CMT XFER- DEVERTER GATE 590-AS1 DISCH	8996, PSDTX454M3
59A-MW2	CMT XFER- DIVERTER GATE 590-AS3 DISCH	8996, PSDTX454M3
59A-MW3	CMT XFER DIVERTER GATE 590-AS5 DISCH	8996, PSDTX454M3
59A-MW4	CMT XFER DIVERTER GATE 590-AS6 DISCH	8996, PSDTX454M3
59A-MW5	CMT XFER- DIVERTER GATE 590-AS8 DISCH	8996, PSDTX454M3
611-AS1	CEMENT SILO 1 AIRSLIDE	8996, PSDTX454M3
611-AS2	CEMENT SILO 1 DISTRIBUTION AIRSLIDE	8996, PSDTX454M3
611-BF1	CEMENT SILO 1 DUST COLLECTOR	8996, PSDTX454M3
612-AS1	CEMENT SILO 2 AIRSLIDE	8996, PSDTX454M3
612-BF1	CEMENT SILO 2 DUST COLLECTOR	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
612-DB1	CEMENT SILO 2 LEVEL BOX	8996, PSDTX454M3
613-AS1	CEMENT SILO 3 AIRSLIDE	8996, PSDTX454M3
614-AS1	CEMENT SILO 4 AIRSLIDE	8996, PSDTX454M3
614-AS2	CEMENT SILO 4 DISTRIBUTION AIRSLIDE	8996, PSDTX454M3
614-BF1	CEMENT SILO 4 DUST COLLECTOR	8996, PSDTX454M3
615-AS1	CEMENT SILO 5 AIRSLIDE	8996, PSDTX454M3
615-BF1	CEMENT SILO 5 DISTRIBUTION AIRSLIDE	8996, PSDTX454M3
615-DB1	CEMENT SILO 5 DUST COLLECTOR	8996, PSDTX454M3
616-AS1	CEMENT SILO 6 AIRSLIDE	8996, PSDTX454M3
616-RF1	CEMENT SILO 6 ROTARY FEEDER	8996, PSDTX454M3
617-AS1	CEMENT SILO 7 AIRSLIDE	8996, PSDTX454M3
617-AS2	CEMENT SILO 7 DISTRIBUTION AIRSLIDE	8996, PSDTX454M3
617-BF1	CEMENT SILO 7 DUST COLLECTOR	8996, PSDTX454M3
618-AS1	CEMENT SILO 8 AIRSLIDE	8996, PSDTX454M3
618-BF1	CEMENT SILO 8 DUST COLLECTOR	8996, PSDTX454M3
618-DB1	CEMENT SILO 8 LEVEL BOX	8996, PSDTX454M3
62*	LINE 2 MAIN, BYPASS, AND COAL MILL BAGHOUSES	8996, PSDTX454M3
621-AS1	LOADOUT AIRSLIDE FROM SILO 1 TO BAY 1	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
621-AS2	LOADOUT AIRSLIDE FROM SILO 2 TO BAY 1	8996, PSDTX454M3
621-AS3	LOADOUT AIRSLIDE FROM SILO 3 TO BAY 2	8996, PSDTX454M3
621-AS5	LOADOUT AIRSLIDE FROM SILO 5 TO BAY 2	8996, PSDTX454M3
621-LA1	CEMENT LOADOUT TO TRUCKS- BAY 1 SPOUT	8996, PSDTX454M3
622-AS1	LOADOUT AIRSLIDE FROM SILO 1 TO BAY 2	8996, PSDTX454M3
622-AS2	LOADOUT AIRSLIDE FROM SILO 2 TO BAY 2	8996, PSDTX454M3
622-AS3	LOADOUT AIRSLIDE FROM SILO 3 TO BAY 2	8996, PSDTX454M3
622-AS4	LOADOUT AIRSLIDE FROM SILO 4 TO BAY 2	8996, PSDTX454M3
622-AS5	LOADOUT AIRSLIDE FROM SILO 5 TO BAY 2	8996, PSDTX454M3
622-AS6	LOADOUT AIRSLIDE FROM SILO 6 TO BAY 2	8996, PSDTX454M3
622-AS7	LOADOUT AIRSLIDE FROM SILO 7 TO BAY 2	8996, PSDTX454M3
622-AS8	LOADOUT AIRSLIDE FROM SILO 8 TO BAY 2	8996, PSDTX454M3
622-AS9	LOADOUT AIRSLIDE - 622-AS7 TO 622-DB1	8996, PSDTX454M3
622-LA1	CEMENT LOADOUT TO TRUCKS- BAY 2 SPOUT	8996, PSDTX454M3
627-AS1	LOADOUT AIRSLIDE 1 TO BAY 7	8996, PSDTX454M3
627-AS3	LOADOUT AIRSLIDE 2 TO BAY 7	8996, PSDTX454M3
627-LA1.1BF	SHIPPING BAY 7 LOADOUT SPOUT BAG FILTER	8996, PSDTX454M3
627-LA1	SHIPPING BAY 7 LOADOUT SPOUT	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
628-AS2	LOADOUT AIRSLIDE 1 TO BAY 8	8996, PSDTX454M3
628-AS4	LOADOUT AIRSLIDE 2 TO BAY 8	8996, PSDTX454M3
628-LA2.1BF	SHIPPING BAY 8 LOADOUT SPOUT BAG FILTER	8996, PSDTX454M3
628-LA2	SHIPPING BAY 8 LOADOUT SPOUT	8996, PSDTX454M3
62A-PI1	CEMENT TRUCK BLOW-OFF PIPING	8996, PSDTX454M3
633-AS4	LOADOUT AIRSLIDE FROM SILO 4 TO BAY 3	8996, PSDTX454M3
633-AS5	LOADOUT AIRSLIDE FROM SILO 5 TO BAY 3	8996, PSDTX454M3
633-AS6	LOADOUT AIRSLIDE FROM SILO 6 TO BAY 3	8996, PSDTX454M3
633-AS7	LOADOUT AIRSLIDE FROM SILO 7 TO BAY 3	8996, PSDTX454M3
633-AS8	LOADOUT AIRSLIDE FROM SILO 8 TO BAY 3	8996, PSDTX454M3
633-DB1	CEMENT JUNCTION BOX ABOVE BAY 3 LOADOUT	8996, PSDTX454M3
633-LA1	CEMENT LOADOUT TO RAIL - BAY 3 SPOUT	8996, PSDTX454M3
634-AS1	LOADOUT AIRSLIDE FROM SILO 7 TO BAY 4	8996, PSDTX454M3
634-AS2	LOADOUT AIRSLIDE FROM SILO 8 TO BAY 4	8996, PSDTX454M3
634-AS3	LOADOUT COLL A/S TO BAY 4 - SILO 7&8	8996, PSDTX454M3
634-LA1.1BF	SHIPPING BAY 4 LOADOUT SPOUT BAG FILTER	8996, PSDTX454M3
634-LA1	SHIPPING BAY 4 LOADOUT SPOUT	8996, PSDTX454M3
635-ASA	AIRSLIDE FROM SILO A TO 651-DB3	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
635-ASB	AIRSLIDE FROM SILO B TO 651-DB3	8996, PSDTX454M3
635-ASC	AIRSLIDE FROM SILO C TO 651-DBC	8996, PSDTX454M3
635-ASD	AIRSLIDE FROM 651-DBD TO 651-DBI	8996, PSDTX454M3
635-ASE	AIRSLIDE FROM 651-DBC TO 651-DBI	8996, PSDTX454M3
635-ASF	AIRSLIDE FROM 651-DBD TO 651-DBI	8996, PSDTX454M3
635-ASG	AIRSLIDE FROM 651-DBI TO 651-LA1	8996, PSDTX454M3
635-ASH	AIRSLIDE FROM 651-DBI TO 651-LA2	8996, PSDTX454M3
635-BF1	NORTH RAIL LOADING BAG FILTER	8996, PSDTX454M3
635-BF2	SOUTH RAIL LOADING BAG FILTER	8996, PSDTX454M3
635-DB1	DIVERSION FEEDING LOADOUTS	8996, PSDTX454M3
635-DBC	DIVERSION BIN FROM SILO C	8996, PSDTX454M3
635-DBD	DIVERSION BIN FROM SILO D	8996, PSDTX454M3
635-LA1	NORTH RAIL LOADOUT SPOUT	8996, PSDTX454M3
635-LA2	SOUTH RAIL LOADOUT SPOUT	8996, PSDTX454M3
66*	LINE 2 SKS AND CEMENT MILL BAGHOUSES	8996, PSDTX454M3
6E1-AS1	CEMENT UNLOADING AIRSLIDE	8996, PSDTX454M3
6E1-AS2	UNLOADING AIRSLIDE FROM AS5 TO SILO 7	8996, PSDTX454M3
6E1-AS3	UNLOAD A/S CONNECTING AS1 AND AS5	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
6E1-AS4	CEMENT UNLOADING AIRSLIDE TO SILO 4	8996, PSDTX454M3
6E1-AS5	UNLOAD A/S CONNECTING AS3 TO AS6	8996, PSDTX454M3
6E1-AS6	CEMENT UNLOADING AIRSLIDE TO SILO 5	8996, PSDTX454M3
6E1-BC1	CEMENT UNLOADING DRAG CONVEYOR	8996, PSDTX454M3
6E1-BE1	CEMENT UNLOADING ELEVATOR	8996, PSDTX454M3
6E1-BF1	CEMENT UNLOADING DUST COLLECTOR	8996, PSDTX454M3
7*	LINE 1 MAIN & BYPASS BAGHOUSE	8996, PSDTX454M3
7*	LINE 1 MAIN 7 BYPASS BAGHOUSE	8996, PSDTX454M3
75A*	PRIMARY (LOWER BENCH) LIMESTONE CRUSHER	8996, PSDTX454M3
75C*	LIMESTONE SCREEN	106.261/11/01/2003
BC-1	PRIMARY (LOWER BENCH) LIMESTONE BELT CONVEYOR NO 1	8996, PSDTX454M3
BC-2	PRIMARY (LOWER BENCH) LIMESTONE BELT CONVEYOR NO 2	8996, PSDTX454M3
EMERGGEN1	LINE 1 EMERGENCY GENERATOR ENGINE	106.511/09/04/2000
EMERGGEN2	LINE 2 EMERGENCY GENERATOR ENGINE	106.511/09/04/2000
F20-FT1	12,000 GALLON GASOLINE AST	106.473/09/04/2000
F20-FT1	VOC UNLOADING TO F20-FT1	106.473/09/04/2000
F20-FT2	12,000 GALLON DIESEL AST	106.472/09/04/2000
F20-FT2	VOC UNLOADING TO F20-FT2	106.472/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
FUG-1A*	40,000 GAL NON-HAZARDOUS OIL CONTAINING LIQ AST A	70582
FUG-1B*	40,000 GAL NON-HAZARDOUS OIL CONTAINING LIQ AST B	70582
FUG-1G*	40,000 GAL NON-HAZARDOUS OIL CONTAINING LIQ AST G	70582
GRP-TNKOCL	VOC UNLOADING TO GRP-TNKOCL	70582
HEATER1	ADMINISTRATION SWGR HEATER	106.102/09/04/2000
HEATER2	TRAINING ROOM HEATER	106.102/09/04/2000
K93-3B1	GYPSUM STORAGE BIN	8996, PSDTX454M3
L11-AF1	COAL RAIL UNLOADING FEEDER	8996, PSDTX454M3
L11-AF1	TRANSFER FROM L11-AF1 TO L11-BC1	8996, PSDTX454M3
L11-BC1	COAL UNLOADING TRANSFER BELT CONVEYOR	8996, PSDTX454M3
L11-BC1	TRANSFER FROM L11-BC1 TO L11-MW1	8996, PSDTX454M3
L11-BC2	COAL STACKER BELT CONVEYOR	8996, PSDTX454M3
L11-BC3	COAL RECLAIM BELT CONVEYOR	8996, PSDTX454M3
L11-BC4	COAL BELT TO TOWER BELT CONVEYOR	8996, PSDTX454M3
L11-BC5	COAL BELT SILO CONVEYOR	8996, PSDTX454M3
L11-BC9	SOLID FUEL CONVEYOR	106.261/11/01/2003
L11-HP1A	TRANSFER FROM L11-HP1 TO L11-AF1	8996, PSDTX454M3
L11-HP1B	LINE 1 RAIL UNLOADING HOPPER	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
L11-HP1	RAIL UNLOADING HOPPER	8996, PSDTX454M3
L11-HP2	COAL RECLAIM HOPPER	8996, PSDTX454M3
L11-HP3	SOLID FUEL HOPPER	106.261/11/01/2003
L11-HP4	SOLID FUEL HOPPER	106.261/11/01/2003
L11-MW1A	TRANSFER FROM L11-MW1 TO L11-MW2 WITH PMCD	8996, PSDTX454M3
L11-MW1B	TRANSFER FROM L11-MW1 TO GYPSUM PILE WITH PMCD	8996, PSDTX454M3
L11-RF1	COAL TOWER BF DISCHARGE ROTARY FEEDER	8996, PSDTX454M3
L11-RF3	COAL SILO BF DISCHARGE ROTARY FEEDER	8996, PSDTX454M3
L11-SX1	COAL UNLOADING CLEAN-UP DRAG CONVEYOR	8996, PSDTX454M3
L11-SX1	TRANSFER FROM L11-SX1 TO L11-BC1	8996, PSDTX454M3
L11-VS1	COAL VIBRATING SCREEN	8996, PSDTX454M3
L31-AF1	COAL SILO APRON FEEDER NO. 1	8996, PSDTX454M3
L31-AF2	COAL SILO APRON FEEDER NO. 2	8996, PSDTX454M3
L31-BC1	LINE 1 COAL FEED BELT CONVEYOR NO. 1	8996, PSDTX454M3
L31-BC2	LINE 1 COAL FEED BELT CONVEYOR NO. 2	8996, PSDTX454M3
L31-RF1	LINE 1 FLASH FURNACE CM ROTARY AIRLOCK	8996, PSDTX454M3
L31-RF2	LINE 1 KILN COAL MILL ROTARY AIRLOCK	8996, PSDTX454M3
L31-SX1	LINE 1 COAL CLEAN-UP DRAG CONVEYOR NO. 1	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
L31-SX2	LINE 1 COAL CLEAN-UP DRAG CONVEYOR NO. 2	8996, PSDTX454M3
L32-BC1	LINE 2 COAL MILL FEED BELT CONVEYOR	8996, PSDTX454M3
L32-RF1	LINE 2 COAL MILL FEED AIRLOCK	8996, PSDTX454M3
L32-SX1	LINE 2 COAL CLEAN-UP DRAG CONVEYOR	8996, PSDTX454M3
L32-WF1	LINE 2 RAW COAL WEIGH FEEDER	8996, PSDTX454M3
L91- RF2	LINE 1 KILN BURNER ROTARY AIRLOCK	8996, PSDTX454M3
L91-RF2	TRANSFER FROM L91-CN2 TO L91-DU2	8996, PSDTX454M3
L92-FB1	LINE 2 PULVERIZED COAL BIN	8996, PSDTX454M3
L92-RF1	LINE 2 CM BAGHOUSE ROTARY FEEDER	8996, PSDTX454M3
L92-RF2	LINE 2 ROTARY FEEDER TO KILN COAL FEEDER	8996, PSDTX454M3
L92-SC1	LINE 2 COAL BAGHOUSE SCREW CONVEYOR NO. 1	8996, PSDTX454M3
L92-SC2	LINE 2 COAL BAGHOUSE SCREW CONVEYOR NO. 2	8996, PSDTX454M3
L92-WF1	LINE 2 KILN COAL FEEDER	8996, PSDTX454M3
L92-WF2	LINE 2 PYROCLON COAL FEEDER	8996, PSDTX454M3
L92-WF3	LINE 2 LOW NOX COAL FEEDER	8996, PSDTX454M3
LL1(1)	PRIMARY (UPPER BENCH) LIMESTONE LOCAL LINK NO. 1	8996, PSDTX454M3
LL1(2)	PRIMARY (LOWER BENCH) LIMESTONE LOCAL LINK NO. 1	8996, PSDTX454M3
LL2(1)	PRIMARY (UPPER BENCH) LIMESTONE LOCAL LINK NO. 2	8996, PSDTX454M3

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
LL2(2)	PRIMARY (LOWER BENCH) LIMESTONE LOCAL LINK NO. 2	8996, PSDTX454M3
LSS	LIMESTONE SCREENING SYSTEM	8996, PSDTX454M3
LT-140(1)	PRIM(UP BENCH) LIMESTNE CRSHR DSCHRG BELT CONVEYR	8996, PSDTX454M3
LT-140(2)	PRIM(LOWER BENCH) LMESTNE CRSHR DISCHG BLT CONVEYR	8996, PSDTX454M3
MAINTPW	MAINTENANCE SHOP COLD SOLVENT CLEANER	106.454/11/01/2001
P31-AS1A	TRANSFER FROM P31-AS1 TO P31-RF1	8996, PSDTX454M3
P31-AS1B	TRANSFER FROM P31-FB1 TO P31-AS1	8996, PSDTX454M3
P31-FB1	LINE 1 SCRUBBER REAGENT BIN	8996, PSDTX454M3
P31-RF1	TRANSFER FROM P31-RF1 TO P31-SC1	8996, PSDTX454M3
P31-SC1	TRANSFER FROM P31-SC3 TO P41-SA1	8996, PSDTX454M3
P32-AS1	TRANSFER FROM P32-AS1 TO P32-SC1	8996, PSDTX454M3
P32-FB1	TRANSFER FROM 392-FB1 TO P32-AS1	8996, PSDTX454M3
P32-SC1	TRANSFER FROM P32-SC1 TO P32-SC2	8996, PSDTX454M3
P71-VB1	TRANSFER FROM P71-VB1 TO P91-BC1	8996, PSDTX454M3
P71-VB2	TRANSFER FROM P71-VB2 TO P91-BC1	8996, PSDTX454M3
P91-BC1	TRANSFER FROM P91-BC1 TO GYPSUM PILE	8996, PSDTX454M3
PONDPUMP	EMERGENCY POND PUMP ENGINE	106.511/09/04/2000
QWPUMP	QUARRY WATER PUMP ENGINE	106.511/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T21-3B1	LINE 1 PROCES SILO	8996, PSDTX454M3
T21-BC1	TRANSFER FROM T21-BC1 TO T21-3B1	8996, PSDTX454M3
T22-3B1	LINE 2 PROCES SILO	8996, PSDTX454M3
T23-3S1	SLAG STORAGE BIN	8996, PSDTX454M3
T23-CH1	TRANSFER FROM T23-3S1 TO T23-WF1	8996, PSDTX454M3
T23-CH2	TRANSFER FROM T23-WF1 TO 533-BC2	8996, PSDTX454M3
T31-WF1A	TRANSFER FROM T31-WF1 TO 531-BC1	8996, PSDTX454M3
T31-WF1B	TRANSFER FROM T21-3B1 TO T31-WF1	8996, PSDTX454M3
T32-WF1A	TRANSFER FROM T22-3B1 TO T32-WF1	8996, PSDTX454M3
T32-WF1B	TRANSFER FROM T32-WF1 TO 532-BC1	8996, PSDTX454M3
TK-LOADKLN	VOC UNLOADING TO KILNS	70582
TNK10	529 GALLON DIESEL STORAGE TANK	106.472/09/04/2000
ZQLMYL(1)	PRIMARY (LOWER BENCH) LIMESTONE MYTO LINK NO. 1	8996, PSDTX454M3
ZQLMYL(2)	PRIMARY (LOWER BENCH) LIMESTONE MYTO LINK NO. 2	8996, PSDTX454M3

**Alternative Requirement**

**Alternative Requirement ..... 117**

Bryan W. Shaw, Ph.D., *Chairman*  
Buddy Garcia, *Commissioner*  
Carlos Rubinstein, *Commissioner*  
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
*Protecting Texas by Reducing and Preventing Pollution*

February 9, 2010

MR MICHEL MOSER  
PLANT MANAGER  
HOLCIM TEXAS LIMITED PARTNERSHIP  
1800 DOVE LN  
MIDLOTHIAN TX 76065-4435

Re: Permit Alteration  
Permit Number: 8996  
Portland Cement Kiln  
Midlothian, Ellis County  
Regulated Entity Number: RN100219286  
Customer Reference Number: CN601231459  
Account Number: ED-0099-J

Dear Mr. Moser:

This is in response to your letter received May 1, 2009, requesting alteration of the representations of the above-referenced permit. We understand that you requested an alternate baseline for control of ammonia slip in accordance with Title 30 Texas Administrative Code § 117.3123 (30 TAC § 117.3123). You also requested an alternate monitoring strategy for monitoring ammonia slip as described in 30 TAC § 117.8130. We understand that you plan to utilize existing process monitors for continuous ammonia measurement in the stack and weekly span calibrations will be performed. Ammonia emissions shall not exceed more than one time per 12-month rolling period, a limit of 35 parts per million by volume at 7.0 percent oxygen, dry basis, on a 24-hour rolling average basis.

No planned maintenance, startup, and shutdown emissions have been reviewed or represented in this application and none are authorized by this permit.

As of July 1, 2008, all analytical data generated by a mobile or stationary laboratory in support of compliance with air permits must be obtained from a National Environmental Laboratory Accreditation Conference accredited laboratory under the Texas Laboratory Accreditation Program or meet one of several exemptions. Specific information concerning which laboratories must be accredited and which are exempt may be found in 30 TAC § 25.4 and § 25.6.

Mr. Michael Moser  
Page 2  
February 9, 2010

Re: Permit Number 8996

For additional information regarding the laboratory accreditation program and a list of accredited laboratories and their fields of accreditation, please see the following Web site:

[http://www.tceq.state.tx.us/compliance/compliance\\_support/qa/env\\_lab\\_accreditation.html](http://www.tceq.state.tx.us/compliance/compliance_support/qa/env_lab_accreditation.html)

For questions regarding the accreditation program, you may contact the Texas Laboratory Accreditation Program at (512) 239-3754 or by e-mail at [labprgms@tceq.state.tx.us](mailto:labprgms@tceq.state.tx.us).

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Ms. Bridget Malone at (512) 239-4286 or write to the Texas Commission on Environmental Quality, Office of Permitting and Registration, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Sincerely,



Steve Hagle, P.E., Director  
Air Permits Division  
Office of Permitting and Registration  
Texas Commission on Environmental Quality

SH/BM/aw

cc: Air Section Manager, Region 4 - Fort Worth

Project Number: 146557

**Appendix A**

**Acronym List ..... 120**

## Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	.....	actual cubic feet per minute
AMOC	.....	alternate means of control
ARP	.....	Acid Rain Program
ASTM	.....	American Society of Testing and Materials
B/PA	.....	Beaumont/Port Arthur (nonattainment area)
CAM	.....	Compliance Assurance Monitoring
CD	.....	control device
COMS	.....	continuous opacity monitoring system
CVS	.....	closed-vent system
D/FW	.....	Dallas/Fort Worth (nonattainment area)
DR	.....	Designated Representative
ELP	.....	El Paso (nonattainment area)
EP	.....	emission point
EPA	.....	U.S. Environmental Protection Agency
EU	.....	emission unit
FCAA Amendments	.....	Federal Clean Air Act Amendments
FOP	.....	federal operating permit
GF	.....	grandfathered
gr/100 scf	.....	grains per 100 standard cubic feet
HAP	.....	hazardous air pollutant
H/G/B	.....	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	.....	hydrogen sulfide
ID No.	.....	identification number
lb/hr	.....	pound(s) per hour
MMBtu/hr	.....	Million British thermal units per hour
MRRT	.....	monitoring, recordkeeping, reporting, and testing
NA	.....	nonattainment
N/A	.....	not applicable
NADB	.....	National Allowance Data Base
NO <sub>x</sub>	.....	nitrogen oxides
NSPS	.....	New Source Performance Standard (40 CFR Part 60)
NSR	.....	New Source Review
ORIS	.....	Office of Regulatory Information Systems
Pb	.....	lead
PBR	.....	Permit By Rule
PM	.....	particulate matter
ppmv	.....	parts per million by volume
PSD	.....	prevention of significant deterioration
RO	.....	Responsible Official
SO <sub>2</sub>	.....	sulfur dioxide
TCEQ	.....	Texas Commission on Environmental Quality
TSP	.....	total suspended particulate
TVP	.....	true vapor pressure
U.S.C.	.....	United States Code
VOC	.....	volatile organic compound

**Appendix B**

**Major NSR Summary Table .....122**

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
7*	Kiln Line 1	CO	1,939	3,556	4; 6; 7; 8; 14; 16; 17; 18	7; 16; 17; 18; 22; 23;24	7; 16; 17; 19; 20
		NO <sub>x</sub> (non-ozone season)	--	1,155 (5)			
		NO <sub>x</sub> (ozone season)	--	567 (6)			
		NO <sub>x</sub> (annual)	--	1,722			
		PM/PM <sub>10</sub> (filterable)	24	104			
		PM/PM <sub>10</sub> (condensable)	353	103			
		PM/PM <sub>10</sub> (total)	377	207			
		SO <sub>2</sub> (1-hour)	2,600	--			
		SO <sub>2</sub> (3-hour)	2,300	--			
		SO <sub>2</sub> (24-hour)	1,900	--			
		SO <sub>2</sub> (annual)	--	1,769			
		TRS	15	18			
		H <sub>2</sub> SO <sub>4</sub>	180	20			
		VOC	292	438			
Speciated Compounds	39	151					
62*	Kiln Line 2	CO	1,939	3,556	4; 6; 7; 8; 14; 16; 17; 18	7; 16; 17; 18; 22; 23;24	7; 16; 17; 19; 20
		NO <sub>x</sub> (non-ozone season)	--	1,155 (5)			
		NO <sub>x</sub> (ozone season)	--	567 (6)			
		NO <sub>x</sub> (annual)	--	1,722			
		PM/PM <sub>10</sub> (filterable)	32	138			
		PM/PM <sub>10</sub> (condensable)	353	103			
		PM/PM <sub>10</sub> (total)	385	241			
		SO <sub>2</sub> (1-hour)	2,600	--			
		SO <sub>2</sub> (3-hour)	2,300	--			
		SO <sub>2</sub> (24-hour)	1,900	--			
		SO <sub>2</sub> (annual)	--	1,769			
		TRS	15	18			
		H <sub>2</sub> SO <sub>4</sub>	180	20			
		VOC	292	438			
Speciated Compounds	39	151					

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
1A*	Primary (Upper Bench) Limestone Crusher	PM	0.28	0.25	7	7	7
		PM <sub>10</sub>	0.13	0.12			
1B*	Primary (Upper Bench) Limestone Crusher	PM	0.72	3.15			
		PM <sub>10</sub>	0.72	3.15			
		CO	11.18	48.97			
		NO <sub>x</sub>	8.09	35.43			
		SO <sub>2</sub>	1.08	4.73			
		VOC	1.43	6.26			
2*	Secondary Crusher Baghouse Stack	PM	0.77	1.69	7; 8	7	7
		PM <sub>10</sub>	0.77	1.69			
3*	Raw Material Transfer Point Baghouse Stack	PM	0.34	0.75	7; 8	7	7
		PM <sub>10</sub>	0.34	0.75			
4*	Conveyor Belt Transfer Baghouse Stack	PM	0.7	1.53	7; 8	7	7
		PM <sub>10</sub>	0.7	1.53			
5*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.93	2.03	7; 8	7	7
		PM <sub>10</sub>	0.93	2.03			
6*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.93	2.03	7; 8	7	7
		PM <sub>10</sub>	0.93	2.03			
8*	Rotary Kiln Feed Silo Upper Baghouse Stack	PM	1.04	2.28	7; 8	7	7
		PM <sub>10</sub>	1.04	2.28			
9*	Rotary Kiln Feed Silo Lower Baghouse Stack	PM	0.87	1.91	7; 8	7	7
		PM <sub>10</sub>	0.87	1.91			
11*	Waste Bypass Dust Baghouse Stack	PM	0.18	0.38	7; 8	7	7
		PM <sub>10</sub>	0.18	0.38			
12*	Coal Handling Baghouse Stack	PM	0.8	1.76	7; 8	7	7
		PM <sub>10</sub>	0.8	1.76			
13*	Coal Storage Bin Baghouse Stack	PM	0.33	0.71	7; 8	7	7
		PM <sub>10</sub>	0.33	0.71			
14*	Clinker Conveyor Transfer Point Baghouse Stack	PM	0.22	0.48	7; 8	7	7
		PM <sub>10</sub>	0.22	0.48			

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
15*	Clinker Conveyor Baghouse Stack	PM	0.29	0.64	7; 8	7	7
		PM <sub>10</sub>	0.29	0.64			
16*	Gypsum Silo Baghouse Stack	PM	0.12	0.27	7; 8	7	7
		PM <sub>10</sub>	0.12	0.27			
17*	Upper Clinker Silos Baghouse Stack	PM	0.45	0.99	7; 8	7	7
		PM <sub>10</sub>	0.45	0.99			
18*	Gypsum Weigh Feeder Baghouse Stack	PM	0.16	0.36	7; 8	7	7
		PM <sub>10</sub>	0.16	0.36			
19*	Clinker Feeder No. 7 Baghouse Stack	PM	0.15	0.32	7; 8	7	7
		PM <sub>10</sub>	0.15	0.32			
20*	Clinker Feeder No. 1 Baghouse Stack	PM	0.15	0.32	7; 8	7	7
		PM <sub>10</sub>	0.15	0.32			
21*	Clinker Feeder No. 6 Baghouse Stack	PM	0.15	0.32	7; 8	7	7
		PM <sub>10</sub>	0.15	0.32			
22*	Clinker Feeder No. 4 Baghouse Stack	PM	0.15	0.32	7; 8	7	7
		PM <sub>10</sub>	0.15	0.32			
23* & 29*	Finish Mill System No. 1 and No. 2 Baghouse Stack	PM	13.62	59.68	7; 8; 16	7; 16	7; 16
		PM <sub>10</sub>	13.62	59.68			
24*	Gypsum Weigh Feeder Baghouse Stack	PM	0.16	0.36	7; 8	7	7
		PM <sub>10</sub>	0.16	0.36			
25*	Clinker Weigh Feeder No. 2 Baghouse Stack	PM	0.15	0.32	7; 8	7	7
		PM <sub>10</sub>	0.15	0.32			
26*	Clinker Weigh Feeder No. 5 Baghouse Stack	PM	0.15	0.32	7; 8	7	7
		PM <sub>10</sub>	0.15	0.32			
27*	Clinker Weigh Feeder No. 3 Baghouse Stack	PM	0.15	0.32	7; 8	7	7
		PM <sub>10</sub>	0.15	0.32			
28*	Clinker Weigh Feeder No. 8 Baghouse Stack	PM	0.15	0.32	7; 8	7	7
		PM <sub>10</sub>	0.15	0.32			
30*	Cement Silo No. 1 Discharge Baghouse Stack	PM	0.25	0.55	7; 8	7	7
		PM <sub>10</sub>	0.25	0.55			

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)			
					Spec. Cond.	Spec. Cond.	Spec. Cond.
31*	Cement Silo No. 2 Discharge Baghouse Stack	PM	0.37	0.81	7; 8	7	7
		PM <sub>10</sub>	0.37	0.81			
32*	Cement Silo No. 4 Discharge Baghouse Stack	PM	0.25	0.55	7; 8	7	7
		PM <sub>10</sub>	0.25	0.55			
33*	Cement Silo No. 5 Discharge Baghouse Stack	PM	0.46	1.02	7; 8	7	7
		PM <sub>10</sub>	0.46	1.02			
34*	Cement Silo No. 7 Discharge Baghouse Stack	PM	0.25	0.55	7; 8	7	7
		PM <sub>10</sub>	0.25	0.55			
35*	Cement Silo No. 8 Discharge Baghouse Stack	PM	0.37	0.81	7; 8	7	7
		PM <sub>10</sub>	0.37	0.81			
36*	Cement Silo No. 1 Filling Baghouse Stack	PM	1.14	2.49	7; 8	7	7
		PM <sub>10</sub>	1.14	2.49			
37*	Cement Silo No. 7 Filling Baghouse Stack	PM	0.58	1.27	7; 8	7	7
		PM <sub>10</sub>	0.58	1.27			
PLANTFUG	Plant-Wide Fugitives	PM	5.94	15.12	7; 13	7	7
		PM <sub>10</sub>	2.90	7.43			
42*	Shale Crusher Discharge Baghouse Stack	PM	0.38	0.83	7; 8	7	7
		PM <sub>10</sub>	0.38	0.83			
43*	Line No. 2 Raw Mill Feed Bins Baghouse Stack No. 1	PM	0.76	1.67	7; 8	7	7
		PM <sub>10</sub>	0.76	1.67			
44*	Raw Mill Discharge Airslide Baghouse Stack	PM	0.24	0.52	7; 8	7	7
		PM <sub>10</sub>	0.24	0.52			
45*	Kiln Feed System No. 1 Baghouse Stack	PM	0.29	0.62	7; 8	7	7
		PM <sub>10</sub>	0.29	0.62			
46*	Blending Silo Upper Baghouse Stack	PM	0.24	0.52	7; 8	7	7
		PM <sub>10</sub>	0.24	0.52			
47*	Blending Silo Lower Baghouse Stack	PM	0.48	1.04	7; 8	7	7
		PM <sub>10</sub>	0.48	1.04			
48*	Kiln Feed System No. 2 Baghouse Stack	PM	0.29	0.62	7; 8	7	7
		PM <sub>10</sub>	0.29	0.62			

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)			
49*	Pan Conveyor Under Clinker Cooler Baghouse Stack	PM	0.28	0.61	7; 8	7	7
		PM <sub>10</sub>	0.28	0.61			
50*	Dust Bin Baghouse Stack	PM	0.29	0.62	7; 8	7	7
		PM <sub>10</sub>	0.29	0.62			
51*	Clinker Silo No. 1 Discharge Baghouse Stack (North)	PM	0.07	0.15	7; 8	7	7
		PM <sub>10</sub>	0.07	0.15			
52*	Clinker Silo No. 1 Discharge Baghouse Stack (South)	PM	0.07	0.15	7; 8	7	7
		PM <sub>10</sub>	0.07	0.15			
53*	Slag/Gypsum Bins and Belt Discharge Baghouse Stack	PM	0.76	1.67	7; 8	7	7
		PM <sub>10</sub>	0.76	1.67			
54*	Clinker Silo No. 2 Discharge Baghouse Stack (North)	PM	0.07	0.15	7; 8	7	7
		PM <sub>10</sub>	0.07	0.15			
55*	Clinker Silo No. 2 Discharge Baghouse Stack (South)	PM	0.07	0.15	7; 8	7	7
		PM <sub>10</sub>	0.07	0.15			
56*	Clinker Silo Feeder Baghouse Stack	PM	0.76	1.67	7; 8	7	7
		PM <sub>10</sub>	0.76	1.67			
57*	Clinker Conveyor Transfer Point Baghouse Stack	PM	0.24	0.52	7; 8	7	7
		PM <sub>10</sub>	0.24	0.52			
58*	Belt-Air-Slide Transfer Point 1 Baghouse Stack	PM	0.38	0.83	7; 8	7	7
		PM <sub>10</sub>	0.38	0.83			
59*	Belt-Air-Slide Transfer Point 2 Baghouse Stack	PM	0.48	1.04	7; 8	7	7
		PM <sub>10</sub>	0.48	1.04			
60*	Bulk Loading 1 Baghouse Stack	PM	0.52	1.15	7; 8	7	7
		PM <sub>10</sub>	0.52	1.15			
61*	Truck Loadout- 1 Baghouse Stack	PM	0.01	0.02	7; 8	7	7
		PM <sub>10</sub>	0.01	0.02			
63*	Rail Loadout- 1 Baghouse Stack	PM	0.01	0.02	7; 8	7	7
		PM <sub>10</sub>	0.01	0.02			

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
64*	Coal Mill Conveyor Baghouse Stack	PM	0.24	0.52	7; 8	7	7
		PM <sub>10</sub>	0.24	0.52			
65*	Truck Loadout- 2 Baghouse Stack	PM	0.01	0.02	7; 8	7	7
		PM <sub>10</sub>	0.01	0.02			
66*	SKS & Cement Mill Baghouse Stack	PM	14.11	61.79	7; 8; 16	7; 16	7; 16
		PM <sub>10</sub>	14.11	61.79			
67*	Cement Silo Filling Baghouse Stack (North)	PM	0.29	0.64	7; 8	7	7
		PM <sub>10</sub>	0.29	0.64			
68*	Cement Silo Filling Baghouse Stack (South)	PM	0.16	0.35	7; 8	7	7
		PM <sub>10</sub>	0.16	0.35			
69*	Truck/Rail Loadout Baghouse	PM	0.19	0.41	7; 8	7	7
		PM <sub>10</sub>	0.19	0.41			
70*	Truck/Rail Loadout Baghouse (North)	PM	0.19	0.41	7; 8	7	7
		PM <sub>10</sub>	0.19	0.41			
71*	Air-Slide Conveyor Baghouse Stack	PM	0.48	1.04	7; 8	7	7
		PM <sub>10</sub>	0.48	1.04			
72*	Pulverized Coal Bin Baghouse Stack	PM	0.02	0.05	7; 8	7	7
		PM <sub>10</sub>	0.02	0.05			
73*	Pulverized Coal Bin CO Analyzer Baghouse Stack	PM	<0.01	<0.01	7; 8	7	7
		PM <sub>10</sub>	<0.01	<0.01			
74*	Scrubber (Reagent-Feed) System 1- Line 1	PM	0.17	0.38	7; 8	7	7
		PM <sub>10</sub>	0.17	0.38			
75A*	Primary (Lower Bench) Limestone Crusher	PM	0.28	0.25	7	7	7
		PM <sub>10</sub>	0.13	0.12			
75B*	Primary (Lower Bench) Limestone Crusher Engine	PM	0.39	1.71			
		PM <sub>10</sub>	0.39	1.71			
		CO	8.23	36.05			
		NO <sub>x</sub>	6.64	29.08			
		SO <sub>2</sub>	0.90	3.94			
		VOC	0.94	4.12			

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)	Spec. Cond.	Spec. Cond.	Spec. Cond.
76*	Cooling Tower	PM	2.05	8.98			
		PM <sub>10</sub>	2.05	8.98			
77*	Line 1 Kiln Dust Bin Baghouse Stack	PM	0.48	2.1	7; 8	7	7
		PM <sub>10</sub>	0.48	2.1			
78*	Line 2 Dust Bin Baghouse Stack	PM	0.48	2.1	7; 8	7	7
		PM <sub>10</sub>	0.48	2.1			
79*	Line No. 2 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.27	0.59	7; 8	7	7
		PM <sub>10</sub>	0.27	0.59			
80*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 3	PM	0.27	0.59	7; 8	7	7
		PM <sub>10</sub>	0.27	0.59			
81*	Clinker Silo De-Dusting Baghouse Stack No. 1	PM	0.66	1.45	7; 8	7	7
		PM <sub>10</sub>	0.66	1.45			
82*	Clinker Silo De-Dusting Baghouse Stack No. 2	PM	0.22	0.48	7; 8	7	7
		PM <sub>10</sub>	0.22	0.48			
83*	Clinker Silo De-Dusting Baghouse Stack No. 3	PM	0.22	0.48	7; 8	7	7
		PM <sub>10</sub>	0.22	0.48			
84*	Raw Material Handling Baghouse Stack No. 1	PM	0.54	1.18	7; 8	7	7
		PM <sub>10</sub>	0.54	1.18			
85*	Raw Material Handling Baghouse Stack No. 2	PM	0.27	0.59	7; 8	7	7
		PM <sub>10</sub>	0.27	0.59			
ROADS	Plant-Wide Roads	PM	15.44	67.59	12		
		PM <sub>10</sub>	7.72	33.82			

Footnotes:

- (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, collectively expressed (calculated) as nitrogen dioxide
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter. Where PM is not -listed, it shall be assumed that no PM greater than 10 microns is emitted.
  - CO - carbon monoxide
  - TRS - total reduced sulfur
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - Speciated Compounds - See Attachment I
  - HF - hydrogen fluoride
  - OCDD - Octachlorodibenzo- p-dioxin
  - OCDF - Octachlorodibenzofuran
  - HpCCD - Heptachlorodibenzo- p-dioxin
  - HpCDF - Heptachlorodibenzofuran
  - HxCDD - Hexachlorodibenzo- p-dioxin
  - HxCDF - Hexachlorodibenzofuran
  - PeCDD - Pentachlorodibenzo- p-dioxin
  - PeCDF - Pentachlorodibenzofuran
  - TCDD - Tetrachlorodibenzo- p-dioxin
  - TCDF - Tetrachlorodibenzofuran
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate limit only applicable from November 1 through March 31
- (6) Emission rate limit only applicable from April 1 through October 31.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission and production limits is based on a rolling 12-month period.

Maximum Allowable Production Rate per kiln: 1.34 million short tons per year (tpy) of clinker.

Maximum Allowable Production Rate with both kilns operating: 2.67 million short tpy of clinker.

## Attachment I

Permit Number: 8996 and PSDTX454M3				Issuance Date: 01/31/2013			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)			
7*	Kiln No. 1 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Aluminum	0.12	0.46	4; 6; 7; 16; 18	7; 16; 18; 23	7; 16
		Ammonia	2.01	7.69			
		Ammonium Chloride	3.86	14.78			
		Arsenic	3.53E-03	0.01			
		Barium	0.09	0.34			
		Benzaldehyde	0.45	1.72			
		Benzene	6.30	24.12			
		Benzo(a)pyrene	2.61E-05	9.99E-05			
		Beryllium	1.32E-04	5.04E-04			
		Boron	0.01	0.04			
		Cadmium	4.41E-04	1.69E-03			
		Chromium	0.03	0.11			
		Copper (fume)	1.06	4.06			
		Ethyl Toluene	1.69	6.47			
		Ethylbenzene	1.04	3.98			
		Fluorene	3.81E-03	0.01			
		Fluoride (as HF)	0.18	0.69			
		Hydrogen Chloride	1.94	7.43			
		Iron	0.17	0.65			
		Lead	0.02	0.08			
		Manganese (fumes)	0.01	0.04			
		Mercury	0.01	0.04			
		Methyl Indene	2.02	7.74			
		Methyl Mercaptan	0.46	1.76			
Methyl Styrene	0.01	0.04					
Methylene Chloride	0.10	0.38					
Naphthalene	0.34	1.30					
Nickel	0.01	0.04					
OCDD	4.01E-07	1.54E-06					
OCDF	8.33E-08	3.20E-07					
Pentadiene (all isomers)	1.23	4.71					
Permit Number: 8996 and PSDTX454M3				Issuance Date: 01/31/2013			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)			

		Phenathrene	0.08	0.31			
		Selenium	0.04	0.15			
		Silver	5.00E-04	1.91E-03			
		Styrene	1.38	5.28			
		Thallium	1.65E-03	0.01			
		Toluene	9.83	37.63			
		Total HpCDD	1.69E-07	6.50E-07			
		Total HpCDF	5.45E-08	2.10E-07			
		Total HxCDD	7.26E-08	2.80E-07			
		Total HxCDF	7.36E-08	2.80E-07			
		Total PeCDD	5.41E-06	2.07E-06			
		Total PeCDF	5.82E-08	2.20E-07			
		Total TCDD	9.26E-09	4.00E-08			
		Total TCDF	2.27E-07	8.70E-07			
		Xylenes	4.85	18.57			
		Zinc	0.07	0.27			
62*	Kiln No. 2 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Aluminum	0.12	0.46	4; 6; 7; 16; 18	7; 16; 18; 23	7; 16
		Ammonia	2.01	7.69			
		Ammonium Chloride	3.86	14.78			
		Arsenic	3.53E-03	0.01			
		Barium	0.09	0.34			
		Benzaldehyde	0.45	1.72			
		Benzene	6.30	24.12			
		Benzo(a)pyrene	2.61E-05	9.99E-05			
		Beryllium	1.32E-04	5.04E-04			
		Boron	0.01	0.04			
		Cadmium	4.41E-04	1.69E-03			
		Chromium	0.03	0.11			
		Copper (fume)	1.06	4.06			
		Ethyl Toluene	1.69	6.47			
		Ethylbenzene	1.04	3.98			
		Fluorene	3.81E-03	0.01			
		Fluoride (as HF)	0.18	0.69			
		Hydrogen Chloride	1.94	7.43			
Permit Number: 8996 and PSDTX454M3					Issuance Date: 01/31/2013		
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (4)			
		Iron	0.17	0.65			
		Lead	0.02	0.08			
		Manganese (fumes)	0.01	0.04			

		Mercury	0.01	0.04			
		Methyl Indene	2.02	7.74			
		Methyl Mercaptan	0.46	1.76			
		Methyl Styrene	0.01	0.04			
		Methylene Chloride	0.10	0.38			
		Naphthalene	0.34	1.30			
		Nickel	0.01	0.04			
		OCDD	4.01E-07	1.54E-06			
		OCDF	8.33E-08	3.20E-07			
		Pentadiene (all isomers)	1.23	4.71			
		Phenathrene	0.08	0.31			
		Selenium	0.04	0.15			
		Silver	5.00E-04	1.91E-03			
		Styrene	1.38	5.28			
		Thallium	1.65E-03	0.01			
		Toluene	9.83	37.63			
		Total HpCDD	1.69E-07	6.50E-07			
		Total HpCDF	5.45E-08	2.10E-07			
		Total HxCDD	7.26E-08	2.80E-07			
		TotalHxCDF	7.36E-08	2.80E-07			
		Total PeCDD	5.41E-06	2.07E-06			
		Total PeCDF	5.82E-08	2.20E-07			
		Total TCDD	9.26E-09	4.00E-08			
		Total TCDF	2.27E-07	8.70E-07			
		Xylenes	4.85	18.57			
		Zinc	0.07	0.27			



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
AIR QUALITY PERMIT**



*A Permit Is Hereby Issued To*  
**Holcim (Texas) Limited Partnership**  
*Authorizing the Construction and Operation of*  
**Portland Cement Manufacturing Facility**  
*Located at Midlothian, Ellis County, Texas*  
 Latitude 32° 30' 38" Longitude 96° 58' 40"

Permit: 8996

Revision Date : January 31, 2013

Renewal Date: October 5, 2015

  
 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 116.116 (30 TAC 116.116)]
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(a), (b) and (c)]
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)(iii)]
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; comply with any additional recordkeeping requirements specified in special conditions attached to 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)]
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 for upsets and maintenance 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, regulations, 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 a condition of "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.

## Special Conditions

Permit Numbers 8996 and PSDTX454M3

### Individual Emission Limitations

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in the maximum allowable emission rates table (MAERT). **(3/11)**
  - A. Attachment I to the MAERT represents the plant-wide speciated compound emission limits from the Kiln/Scrubber Stacks.
  - B. The 30-day rolling average is to be computed on a daily basis as the average of the hourly emissions on the 30th day and the preceding 29 daily average emissions.
2. The emission limit for NO<sub>x</sub> emission rates are expressed in tons per day (tons/day), not pounds per hour (lb/hr), on a 30-day rolling average. Compliance with the 30-day rolling average will be demonstrated beginning on March 31 of each calendar year. For the non-ozone season, the NO<sub>x</sub> emission rate is limited to 15.3 tons/day from November 1 through March 31. For the ozone season, the NO<sub>x</sub> emission rate is limited to 5.3 tons/day from April 1 through October 31. **(3/11)**
3. Fuels fired in the kilns and precalciners shall be limited as follows:
  - A. Pipeline-quality, sweet natural gas;
  - B. Coal containing no more than 3.0 percent sulfur by weight;
  - C. Rubber Derived Fuel (RDF), including, but not limited to: tire-derived fuel (TDF), manufacturing raw materials, rejects, and waste; green rubber, off-specification rubber, hoses, and other similar rubber materials;
  - D. Non-hazardous solids: **(1/13)**
    - (1) oil containing materials, including, but not limited to: on-site and off-site generated oil filter fluff, absorbents, rags, grease, wax, and other similar materials;
    - (2) materials collected at municipal and post-industrial recycling facilities such as paper, cardboard, and plastics which may contain small quantities of metals; and
    - (3) materials collected during or generated from carpet recycling (such as carpet fiber, carpet backing, carpet pads, and other similar materials).

- E. Non-hazardous liquids:
  - (1) oil containing liquids, including, but not limited to: on-site and off-site generated on-specification oil, off-specification oil, oil water emulsions, oily waters, virgin fuel oils, virgin oils, and other similar liquids;
  - (2) glycols;
  - (3) glycerin containing liquids generated from the production of biodiesel fuel. **(4/07)**
- F. Asphalt base composite roofing material, up to 10 tons per hour and 87,000 tons per year (tpy), including: sand, fiberglass, and other non-asphalt materials in the composite;
- G. Wood chips;
- H. Activated carbons; and
- I. Petroleum coke. **(7/07)**
- J. Other non-waste fuels as described in Title 40 Code of Federal Regulations (40 CFR) 241.3 and 241.4. Any non-hazardous secondary material used as a fuel in the kiln or precalciner other than those identified in 40 CFR 241.4 must meet the legitimacy criteria set forth in 40 CFR 241.3(d)(1). The permit holder shall maintain records showing that the non-hazardous secondary materials are managed as a valuable commodity, have a meaningful heating value, and are used as a fuel in the kiln or precalciner to recover energy, contain contaminants or groups of contaminants at levels equal to or less than the fuels specified in Special Condition Nos. 3A, 3B, and 3I or other traditional fuels that the kiln or precalciner is designed to burn, and, in the case of the non-hazardous secondary materials that have been previously discarded, have been processed into legitimate non-waste fuel. **(1/13)**

No hazardous waste, as defined by the Federal Resource Conservation and Recovery Act and the rules implementing that Act, may be fired in the kiln or precalciner. **(5/06)**

- 4. Fuels specified in Special Condition Nos. 3C, 3D, 3E, 3F, 3G, 3H, and 3J shall not exceed 60 percent on an hourly average basis of the total fuel fed into the kiln system (kiln and precalciner) on a higher heating value (HHV) basis. The TDF shall not exceed 45 percent on an hourly average basis of the total fuel fed into the kiln system (kiln and precalciner) on an HHV basis. The natural gas heating value shall be provided by the gas supplier, and the HHVs and sulfur content of the coal and TDF shall be determined by monthly sampling. **(1/13)**

5. Except as otherwise specified in the enclosed MAERT, emission rates for all other individual chemical species with an Effects Screening Level (ESL) from each Kiln Scrubber stack are limited as follows:

$$\text{Emission Rate (lb/hr)} = (\text{short-term ESL} \times 7.34)/2$$

$$\text{Emission Rate (TPY)} = (\text{annual ESL} \times 1,071)/2$$

The applicable 30-minute and annual Texas Commission on Environmental Quality (TCEQ) ESL values for any individual chemical species limited by this condition are those contained in the TCEQ ESL list dated July 19, 2000. The allowable emission rate shall be calculated for each contaminant tested pursuant to Special Condition No. 16A, and the calculated allowable emission rate shall be included in the sampling report submitted pursuant to Special Condition No. 16D.

6. Fuel shall be injected into the precalciner only when the precalciner temperature is greater than 1200 °F. A fuel shutoff shall automatically stop fuel feed to the precalciner when the temperature is less than 1200 °F.
7. These facilities shall comply with all applicable requirements of the following regulations.
  - A. The EPA Standards of Performance for New Stationary Sources (NSPS) promulgated in 40 CFR Part 60:
    - (1) Subpart A - General Provisions;
    - (2) Subpart Y - Coal Preparation Plants; and
    - (3) Subpart OOO - Nonmetallic Mineral Processing Plants.
  - B. The EPA regulations on National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Source Categories promulgated in 40 CFR Part 63:
    - (1) Subpart A - General Provisions; and
    - (2) Subpart LLL - Portland Cement Manufacturing Industry.
  - C. The TCEQ regulations in Title 30 Texas Administrative Code Chapter 117 (30 TAC Chapter 117), Division 4 - Cement Kilns.
  - D. If any condition of this permit is more stringent than the regulations so incorporated, then for the purposes of complying with this permit, the permit condition shall govern and be the standard by which compliance shall be demonstrated.

8. Opacity of emissions from the Kiln/Scrubber Stacks (EPNs 7\* and 62\*) shall not exceed 10 percent as determined by EPA Reference Method (RM) 9 or a continuous opacity monitoring system (COMS). Periods of excess emissions are subject to the requirements of 30 TAC §§ 101.201 and 101.211 relating to Emission Events and Scheduled Maintenance, Start-up, and Shutdown Activities.

Visible emissions from all other baghouse stacks shall be determined by EPA RM 22. If visible emissions are observed, the opacity of emissions shall not exceed 5 percent as determined by EPA RM 9. Periods of excess emissions are subject to the requirements of 30 TAC §§ 101.201 and 101.211 relating to Emission Events and Scheduled Maintenance, Start-up, and Shutdown Activities.

9. All hoods, ducts, and collection systems shall be effective in preventing fugitive emissions from buildings. Compliance with this condition shall be determined per the monitoring procedures specified in the Operation and Maintenance Plan required by 40 CFR Part 63, Subpart LLL.
10. Dust emissions from cement loading into trucks or railcars shall be controlled with a self-sealing shroud at the loading point and venting of the displaced air to the fabric filter.
11. Material collected in the baghouses shall be disposed of in a manner that will prevent the material from becoming airborne. The bypass baghouse dust loadout shall be enclosed on two sides with vertical windbreak extending up to the first floor level. A water sprinkler system or water truck shall be used as necessary to control dust emissions from any baghouse dust disposed of in on-site landfills.
12. Plant roads shall be paved or either water sprinkled or swept, as necessary. Quarry roads, including haul roads (i.e., Raw Material Road and Bypass Dust Road), shall be oiled or water sprinkled, as necessary, to control the emission of dust to the minimum level possible under existing conditions.
13. Primary coal stockpiles shall be stored in the coal storage building. Any outside coal stockpiles shall be sprayed with water and/or chemicals, as necessary, to control fugitive dust emissions to the minimum level possible under existing conditions.
14. Actual operation percentages for the following operating scenarios and stack test data shall be used in the calculation of the annual emissions of PM equal to or less than 10 microns in diameter (PM<sub>10</sub>) and volatile organic compounds (VOC) to demonstrate compliance with the emission limits presented in the MAERT contained in this permit.

- \* Raw Mill On, Scrubber On
- \* Raw Mill Off, Scrubber On
- \* Raw Mill On, Scrubber Off
- \* Raw Mill Off, Scrubber Off

### Initial Demonstration of Compliance

15. Sampling ports and platform(s) shall be incorporated into the design of the Kiln/Scrubber Stacks according to the specifications set forth in the enclosed entitled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.
16. The holder of this permit shall perform stack sampling and other testing by September 30, 2010, as required, to establish the actual pattern and quantities of PM<sub>10</sub> (front-half and back-half), lead, and VOC being emitted into the atmosphere from the Kiln/Scrubber Stack (EPN 62\*) and shall perform stack sampling of PM emissions from three baghouses: Finish Mill System No. 1 Baghouse, (EPN 23\*); Finish Mill System No. 2 Baghouse, (EPN 29\*); SKS and Cement Mill Baghouse, (EPN 66\*). Identical stack sampling and other testing for Kiln/Scrubber Stack (EPN 7\*) shall be completed by the later of the first continuous emissions monitoring system (CEMS) quality-assurance testing conducted in accordance with 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.1 or compliance sampling required by applicable NESHAPS after restart. Sampling results performed since September 22, 2005, can satisfy this condition if determined acceptable to the TCEQ and the TCEQ Regional Office waives subsequent testing. Sampling must be conducted in accordance with appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with EPA RMs. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at its expense. Production rates shall be recorded during each test run and entered in the final sampling report. Within 60 days of the completion of the sampling for each line, the holder of this permit shall submit a copy of the final sampling report to the TCEQ Dallas/Fort Worth Regional Office for review as required by Special Condition No. 16(D). Allowable emission rates listed on the MAERT shall not exceed that EPN test average by more than 20 percent. Those MAERT EPNs exceeding the average test emissions by more than 20 percent shall be corrected to within 20 percent by means of a permit alteration. The alteration request must be received by TCEQ within 60 days after the date of the approval of each of the final test reports by the TCEQ Dallas/Fort Worth Regional Office. **(4/10)**
  - A. The TCEQ Dallas/Fort Worth Regional Office shall be contacted as soon as testing is scheduled, but not less than 30 days prior to sampling to schedule a pretest meeting. The notice shall include:
    - (1) Date for pretest meeting.
    - (2) Date sampling will occur.
    - (3) Name of firm conducting sampling.
    - (4) Type of sampling equipment to be used.
    - (5) Method or procedure to be used in sampling.

- (6) A test plan for TCEQ approval which identifies the alternative fuel combinations and maximum firing rates to be tested, and the speciated compounds emissions to be sampled and reported.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper forms for recording pertinent data, and to review the format and procedures for submitting the test reports. In addition, TCEQ may identify species of PM<sub>10</sub> and VOC to be analyzed from the PM<sub>10</sub> and VOC samples. The pretest meeting shall be conducted on-site at the facility in the presence of a qualified person knowledgeable about stack testing and the units being tested.

A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Dallas/Fort Worth Regional Director shall approve or disapprove of any deviation from specified sampling procedures.

Test waivers and alternate/equivalent procedure proposals for NSPS and NESHAPS for Source Categories testing which must have EPA approval shall be submitted to the TCEQ Dallas/Fort Worth Regional Director.

- B. The deadlines for the sampling specified above may be extended. Requests for additional time to perform sampling shall be submitted to the TCEQ Dallas/Fort Worth Regional Office. Additional time to comply with any applicable requirements of 40 CFR Part 60 requires EPA approval.
- C. Primary operating parameters that enable determination of production rates shall be monitored and recorded during the stack test. These parameters are to be determined at the pretest meeting. Additional stack testing may be required if the kiln achieves a production rate more than 10 percent higher than the rate occurring during the most recent stack test performed after the issuance of this permit. **(3/11)**
- D. Two copies of each initial demonstration of compliance sampling report shall be forwarded to the TCEQ within 60 days after sampling is completed unless an extension is granted by the TCEQ Regional Office. Sampling reports shall comply with the provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:
  - (1) One copy to the TCEQ Dallas/Fort Worth Regional Office.
  - (2) One copy to the TCEQ Austin Office of Air, Air Permits Division.

### Continuous Demonstration of Compliance

17. The holder of this permit shall install, calibrate, operate, and maintain a COMS for opacity (or emissions measuring device acceptable by the EPA) and a CEMS for SO<sub>2</sub>, NO<sub>x</sub>, and CO concentrations in the kiln/scrubber stacks. The holder of this permit shall install, calibrate, operate, and maintain a continuous flow rate sensor to measure and record the exhaust flow rate in the stack.

- A. The CEMS shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in the applicable Performance Specification Nos. 2 through 4, 40 CFR Part 60, Appendix B.

The COMS (or emissions measuring device acceptable by the EPA) shall meet the design and performance specifications, pass the field tests, and meet the installation requirements and the data analysis and reporting requirements specified in Performance Specification No. 1, 40 CFR Part 60, Appendix B.

- B. The CEMS and COMS (or emissions measuring device acceptable by the EPA) shall be zeroed and spanned daily and corrective action taken when the 24-hour span drift exceeds two times the amounts specified in 40 CFR Part 60, Appendix B, or as specified by the TCEQ if not specified in Appendix B.

Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, unless the monitor is required by a subpart of NSPS or NESHAPS, in which case zero and span shall be done daily without exception.

Each CEMS shall be quality-assured at least quarterly in accordance with 40 CFR Part 60, Appendix F, Procedure 1, § 5.1.2. All cylinder gas audit results and any CEMS downtime shall be reported quarterly to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken if the downtime exceeds 10 percent of the kiln operating hours in the quarter. Failure to complete any corrective action as directed by the TCEQ Dallas/Fort Worth Regional Office may be deemed a violation of the permit. For non-NSPS sources, an equivalent method approved by the TCEQ may be used.

- C. Each SO<sub>2</sub>, NO<sub>x</sub>, and CO CEMS shall complete a minimum of one cycle of sampling, analyzing, and data recording for each successive 15-minute period.

One-hour averages shall be computed from normally at least four, and a minimum of two, data points equally-spaced over each one-hour period. Data recorded during periods of CEMS breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the computed data averages.

The gaseous monitoring data shall be reduced to hourly average concentrations using a minimum of four equally-spaced data points from each one-hour period.

The gaseous monitoring data shall also be reduced to units of the permit allowable emission rates in pounds per hour (lb/hr).

The opacity monitor shall complete a minimum of one cycle of data recording for each successive ten-second period. Six-minute averages shall be computed from normally at least 36 and a minimum of 18 data points equally-spaced over each six minute period. Data recorded during periods of COMS (or emissions measuring device acceptable by the EPA) breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the computed data averages.

- D. The TCEQ Regional Director shall be notified as soon as possible after the discovery of any COMS (or emissions measuring device acceptable by the EPA) or CEMS malfunction, which is expected to result in more than 24 hours of lost data. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director in case of extended COMS (or emissions measuring device acceptable by the EPA) or CEMS downtime.
  - E. The TCEQ Dallas/Fort Worth Regional Office shall be notified at least 30 days prior to the quarterly cylinder gas audit required by 40 CFR Part 60 Appendix F in order to provide the TCEQ staff the opportunity to observe the testing.
  - F. The SO<sub>2</sub>, NO<sub>x</sub>, and CO CEMS and the continuous flow rate sensor shall be used as a continuous emission rate monitoring system (CERMS) for SO<sub>2</sub>, NO<sub>x</sub>, and CO.
18. The holder of this permit shall install, calibrate, operate, and maintain continuous reading and recording temperature monitors on the fourth stage gas exit of the precalciner.

### **Reporting Requirements**

19. The holder of this permit shall submit two copies of quarterly CEMS and COMS (or emissions measuring device acceptable by the EPA) reports to the TCEQ Dallas/Fort Worth Regional Office in a format specified by the TCEQ Regional Office. All reports shall be postmarked by the 30th day following the end of each calendar quarter and shall include the following information for each monitor:
- A. The date and duration of time from the commencement to the completion of an event which resulted in excess emissions of any pollutant.
  - B. The date and time of the commencement and completion of each specific time period of excess emissions within that event.
  - C. The total time duration of excess emissions.

- D. The magnitude of the emissions, including the highest emission rate, and the average emission rate. All excess emissions shall be converted into the units of the permit. All conversion factors and equations shall be included.
  - E. The nature and cause of any malfunction resulting in excess emissions and the corrective action taken and/or preventative measures adopted.
  - F. The date and time identifying each period during which a CEMS or COMS (or emissions measuring device acceptable by the EPA) was inoperative, except for zero and span checks, and the nature of the system repairs and/or adjustments which occurred during the downtime.
  - G. When no excess emissions have occurred or the CEMS or COMS (or emissions measuring device acceptable by the EPA) have not been inoperative, repaired, or adjusted, such information shall be stated in the report.
  - H. The total tons of SO<sub>2</sub>, NO<sub>x</sub>, and CO emitted during the quarter; the total hours of kiln operation; and the total hours of raw mill operation during the quarter shall be reported.
  - I. In addition to the other information required in this special condition, a summary of the excess emissions shall be reported using the form identified as Figure 1 in 40 CFR § 60.7.
  - J. The reporting of excess emissions required by this condition does not relieve the holder of this permit from notification requirements of emission events as required by 30 TAC § 101.201 or notification of scheduled maintenance, startup, and shutdown activities as required by 30 TAC § 101.211.
20. For the purposes of reporting pursuant to Special Condition Nos. 2 and 19, excess emissions from combined Kiln/Scrubber stacks are defined as follows: **(3/11)**
- A. Excess emissions of NO<sub>x</sub> are each daily period of operation during which the 30-day rolling average emissions of NO<sub>x</sub>, as measured and recorded by the CERMS, exceed the emission limitations of Special Condition No. 2. The 30-day rolling average is to be computed on a daily basis as the average of the hourly emissions on the 30th day and the preceding 29 daily average emissions.
  - B. Excess periods of opacity are each six-minute period of operation during which the average opacity, as measured and recorded by the COMS (or emissions measuring device acceptable by the EPA), exceed the emission limitations of Special Condition No. 8.
21. The holder of this permit shall physically identify and mark in a conspicuous location all equipment that has the potential of emitting air contaminants as follows:

- A. The facility identification numbers as submitted to the Emissions Inventory Section of the TCEQ.
  - B. The EPNs as listed on the MAERT.
22. For purposes of demonstrating compliance with the General Condition No. 10, the holder of this permit shall monitor both kiln scrubbers as follows: **(11/09)**
- A. Uptime (in hours) as a percentage of kiln operating hours;
  - B. Scrubbing liquid pH and flow rate recorded at least once per hour; and
  - C. Downtime (in hours) of the raw mill when the scrubber is down.

### **Recordkeeping Requirements**

23. The holder of this permit shall maintain records of all alternative fuels handled as follows:
- A. The source and date received;
  - B. Amount received in pounds (or gallons for liquids);
  - C. A description of the material;
  - D. Estimated high heating value of the fuel in Btu per pound (or Btu/gallon for liquids);
  - E. Number of pounds fired (or gallons fired for liquids) and date/time fired;
  - F. Percentage of TDF fed into the kiln system (kiln and precalciner) on an hourly, high heating value basis; and
  - G. Percentage of total alternative fuel fed into the kiln system (kiln and precalciner) on an hourly, high heating value basis.
  - H. Records as specified in Special Condition No. 3J for other non-waste fuels. **(1/13)**
24. The holder of this permit shall maintain records to demonstrate compliance with the 5.3 tons per day (tpd) NO<sub>x</sub> limit (on a 30-day rolling average) which is applicable from March 1 through October 31 of each calendar year. **(3/11)**

**Selective Non-catalytic Reduction (SNCR)**

25. The permit holder will operate SNCR at all kiln operating times from March 1 through October 31 of each year, except to avoid a breakdown or excursion of the process, or other process that results in unauthorized emissions; or when a detached or secondary plume is observed by using EPA RM 22 observation. The permit holder will notify the TCEQ Regional Office within 24 hours of a positive EPA RM 22 observation of a detached or secondary plume. This notification does not satisfy excess opacity event reporting requirements under 30 TAC § 101.201. **(11/09)**

Date: January 31, 2013

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 8996 and PSDTX454M3

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	
			lbs/hour	TPY (4)
7*	Kiln Line 1	CO	1,939	3,556
		NO <sub>x</sub> (non-ozone season)	--	1,155 (5)
		NO <sub>x</sub> (ozone season)	--	567 (6)
		NO <sub>x</sub> (annual)	--	1,722
		PM/PM <sub>10</sub> (filterable)	24	104
		PM/PM <sub>10</sub> (condensable)	353	103
		PM/PM <sub>10</sub> (total)	377	207
		SO <sub>2</sub> (1-hour)	2,600	--
		SO <sub>2</sub> (3-hour)	2,300	--
		SO <sub>2</sub> (24-hour)	1,900	--
		SO <sub>2</sub> (annual)	--	1,769
		TRS	15	18
		H <sub>2</sub> SO <sub>4</sub>	180	20
		VOC	292	438
Speciated Compounds	39	151		
62*	Kiln Line 2	CO	1,939	3,556
		NO <sub>x</sub> (non-ozone season)	--	1,155 (5)
		NO <sub>x</sub> (ozone season)	--	567 (6)
		NO <sub>x</sub> (annual)	--	1,722

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		PM/PM <sub>10</sub> (filterable)	32	138
		PM/PM <sub>10</sub> (condensable)	353	103
62*	Kiln Line 2	PM/PM <sub>10</sub> (total)	385	241
		SO <sub>2</sub> (1-hour)	2,600	--
		SO <sub>2</sub> (3-hour)	2,300	--
		SO <sub>2</sub> (24-hour)	1,900	--
		SO <sub>2</sub> (annual)	--	1,769
		TRS	15	18
		H <sub>2</sub> SO <sub>4</sub>	180	20
		VOC	292	438
		Speciated Compounds	39	151
1A*	Primary (Upper Bench) Limestone Crusher	PM	0.28	0.25
		PM <sub>10</sub>	0.13	0.12
1B*	Primary (Upper Bench) Limestone Crusher	PM	0.72	3.15
		PM <sub>10</sub>	0.72	3.15
		CO	11.18	48.97
		NO <sub>x</sub>	8.09	35.43
		SO <sub>2</sub>	1.08	4.73
		VOC	1.43	6.26
2*	Secondary Crusher Baghouse Stack	PM	0.77	1.69
		PM <sub>10</sub>	0.77	1.69
3*	Raw Material Transfer	PM	0.34	0.75

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
	Point Baghouse Stack	PM <sub>10</sub>	0.34	0.75
4*	Conveyor Belt Transfer Baghouse Stack	PM	0.70	1.53
		PM <sub>10</sub>	0.70	1.53
5*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.93	2.03
		PM <sub>10</sub>	0.93	2.03
6*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.93	2.03
		PM <sub>10</sub>	0.93	2.03
8*	Rotary Kiln Feed Silo Upper Baghouse Stack	PM	1.04	2.28
		PM <sub>10</sub>	1.04	2.28
9*	Rotary Kiln Feed Silo Lower Baghouse Stack	PM	0.87	1.91
		PM <sub>10</sub>	0.87	1.91
11*	Waste Bypass Dust Baghouse Stack	PM	0.18	0.38
		PM <sub>10</sub>	0.18	0.38
12*	Coal Handling Baghouse Stack	PM	0.80	1.76
		PM <sub>10</sub>	0.80	1.76
13*	Coal Storage Bin Baghouse Stack	PM	0.33	0.71
		PM <sub>10</sub>	0.33	0.71
14*	Clinker Conveyor Transfer Point Baghouse Stack	PM	0.22	0.48
		PM <sub>10</sub>	0.22	0.48
15*	Clinker Conveyor Baghouse Stack	PM	0.29	0.64
		PM <sub>10</sub>	0.29	0.64
16*	Gypsum Silo Baghouse	PM	0.12	0.27

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
	Stack	PM <sub>10</sub>	0.12	0.27
17*	Upper Clinker Silos Baghouse Stack	PM	0.45	0.99
		PM <sub>10</sub>	0.45	0.99

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
18*	Gypsum Weigh Feeder Baghouse Stack	PM	0.16	0.36
		PM <sub>10</sub>	0.16	0.36
19*	Clinker Feeder No. 7 Baghouse Stack	PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32
20*	Clinker Feeder No. 1 Baghouse Stack	PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32
21*	Clinker Feeder No. 6 Baghouse Stack	PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32
22*	Clinker Feeder No. 4 Baghouse Stack	PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32
23* & 29*	Finish Mill System No. 1 and No. 2 Baghouse Stack	PM	13.62	59.68
		PM <sub>10</sub>	13.62	59.68
24*	Gypsum Weigh Feeder Baghouse Stack	PM	0.16	0.36
		PM <sub>10</sub>	0.16	0.36
25*	Clinker Weigh Feeder No. 2 Baghouse Stack	PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32
26*	Clinker Weigh Feeder No. 5 Baghouse Stack	PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32
27*	Clinker Weigh Feeder No. 3 Baghouse Stack	PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32
28*	Clinker Weigh Feeder No. 8 Baghouse Stack	PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
30*	Cement Silo No. 1 Discharge Baghouse Stack	PM	0.25	0.55
		PM <sub>10</sub>	0.25	0.55
31*	Cement Silo No. 2 Discharge Baghouse Stack	PM	0.37	0.81
		PM <sub>10</sub>	0.37	0.81
32*	Cement Silo No. 4 Discharge Baghouse Stack	PM	0.25	0.55
		PM <sub>10</sub>	0.25	0.55
33*	Cement Silo No. 5 Discharge Baghouse Stack	PM	0.46	1.02
		PM <sub>10</sub>	0.46	1.02
34*	Cement Silo No. 7 Discharge Baghouse Stack	PM	0.25	0.55
		PM <sub>10</sub>	0.25	0.55
35*	Cement Silo No. 8 Discharge Baghouse Stack	PM	0.37	0.81
		PM <sub>10</sub>	0.37	0.81
36*	Cement Silo No. 1 Filling Baghouse Stack	PM	1.14	2.49
		PM <sub>10</sub>	1.14	2.49
37*	Cement Silo No. 7 Filling Baghouse Stack	PM	0.58	1.27
		PM <sub>10</sub>	0.58	1.27
PLANTFUG	Plant-Wide Fugitives	PM	5.94	15.12
		PM <sub>10</sub>	2.90	7.43
42*	Shale Crusher Discharge Baghouse Stack	PM	0.38	0.83
		PM <sub>10</sub>	0.38	0.83
43*	Line No. 2 Raw Mill Feed Bins Baghouse Stack No. 1	PM	0.76	1.67
		PM <sub>10</sub>	0.76	1.67

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
44*	Raw Mill Discharge Airslide Baghouse Stack	PM	0.24	0.52
		PM <sub>10</sub>	0.24	0.52
45*	Kiln Feed System No. 1 Baghouse Stack	PM	0.29	0.62
		PM <sub>10</sub>	0.29	0.62
46*	Blending Silo Upper Baghouse Stack	PM	0.24	0.52
		PM <sub>10</sub>	0.24	0.52
47*	Blending Silo Lower Baghouse Stack	PM	0.48	1.04
		PM <sub>10</sub>	0.48	1.04
48*	Kiln Feed System No. 2 Baghouse Stack	PM	0.29	0.62
		PM <sub>10</sub>	0.29	0.62
49*	Pan Conveyor Under Clinker Cooler Baghouse Stack	PM	0.28	0.61
		PM <sub>10</sub>	0.28	0.61
50*	Dust Bin Baghouse Stack	PM	0.29	0.62
		PM <sub>10</sub>	0.29	0.62
51*	Clinker Silo No. 1 Discharge Baghouse Stack (North)	PM	0.07	0.15
		PM <sub>10</sub>	0.07	0.15
52*	Clinker Silo No. 1 Discharge Baghouse Stack (South)	PM	0.07	0.15
		PM <sub>10</sub>	0.07	0.15
53*	Slag/Gypsum Bins and Belt Discharge Baghouse Stack	PM	0.76	1.67
		PM <sub>10</sub>	0.76	1.67
54*	Clinker Silo No. 2 Discharge Baghouse Stack (North)	PM	0.07	0.15
		PM <sub>10</sub>	0.07	0.15

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
55*	Clinker Silo No. 2 Discharge Baghouse Stack (South)	PM	0.07	0.15
		PM <sub>10</sub>	0.07	0.15
56*	Clinker Silo Feeder Baghouse Stack	PM	0.76	1.67
		PM <sub>10</sub>	0.76	1.67
57*	Clinker Conveyor Transfer Point Baghouse Stack	PM	0.24	0.52
		PM <sub>10</sub>	0.24	0.52
58*	Belt-Air-Slide Transfer Point 1 Baghouse Stack	PM	0.38	0.83
		PM <sub>10</sub>	0.38	0.83
59*	Belt-Air-Slide Transfer Point 2 Baghouse Stack	PM	0.48	1.04
		PM <sub>10</sub>	0.48	1.04
60*	Bulk Loading 1 Baghouse Stack	PM	0.52	1.15
		PM <sub>10</sub>	0.52	1.15
61*	Truck Loadout- 1 Baghouse Stack	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
63*	Rail Loadout- 1 Baghouse Stack	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
64*	Coal Mill Conveyor Baghouse Stack	PM	0.24	0.52
		PM <sub>10</sub>	0.24	0.52
65*	Truck Loadout- 2 Baghouse Stack	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
66*	SKS & Cement Mill Baghouse Stack	PM	14.11	61.79
		PM <sub>10</sub>	14.11	61.79

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
67*	Cement Silo Filling Baghouse Stack (North)	PM	0.29	0.64
		PM <sub>10</sub>	0.29	0.64
68*	Cement Silo Filling Baghouse Stack (South)	PM	0.16	0.35
		PM <sub>10</sub>	0.16	0.35
69*	Truck/Rail Loadout Baghouse	PM	0.19	0.41
		PM <sub>10</sub>	0.19	0.41
70*	Truck/Rail Loadout Baghouse (North)	PM	0.19	0.41
		PM <sub>10</sub>	0.19	0.41
71*	Air-Slide Conveyor Baghouse Stack	PM	0.48	1.04
		PM <sub>10</sub>	0.48	1.04
72*	Pulverized Coal Bin Baghouse Stack	PM	0.02	0.05
		PM <sub>10</sub>	0.02	0.05
73*	Pulverized Coal Bin CO Analyzer Baghouse Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
74*	Scrubber (Reagent-Feed) System 1- Line 1	PM	0.17	0.38
		PM <sub>10</sub>	0.17	0.38
75A*	Primary (Lower Bench) Limestone Crusher	PM	0.28	0.25
		PM <sub>10</sub>	0.13	0.12

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
75B*	Primary (Lower Bench) Limestone Crusher Engine	PM	0.39	1.71
		PM <sub>10</sub>	0.39	1.71
		CO	8.23	36.05
		NO <sub>x</sub>	6.64	29.08
		SO <sub>2</sub>	0.90	3.94
		VOC	0.94	4.12
76*	Cooling Tower	PM	2.05	8.98
		PM <sub>10</sub>	2.05	8.98
77*	Line 1 Kiln Dust Bin Baghouse Stack	PM	0.48	2.1
		PM <sub>10</sub>	0.48	2.1
78*	Line 2 Dust Bin Baghouse Stack	PM	0.48	2.1
		PM <sub>10</sub>	0.48	2.1
79*	Line No. 2 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.27	0.59
		PM <sub>10</sub>	0.27	0.59
80*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 3	PM	0.27	0.59
		PM <sub>10</sub>	0.27	0.59
81*	Clinker Silo De-Dusting Baghouse Stack No. 1	PM	0.66	1.45
		PM <sub>10</sub>	0.66	1.45
82*	Clinker Silo De-Dusting Baghouse Stack No. 2	PM	0.22	0.48
		PM <sub>10</sub>	0.22	0.48
83*	Clinker Silo De-Dusting Baghouse Stack No. 3	PM	0.22	0.48
		PM <sub>10</sub>	0.22	0.48

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
84*	Raw Material Handling Baghouse Stack No. 1	PM	0.54	1.18
		PM <sub>10</sub>	0.54	1.18
85*	Raw Material Handling Baghouse Stack No. 2	PM	0.27	0.59
		PM <sub>10</sub>	0.27	0.59
ROADS	Plant-Wide Roads	PM	15.44	67.59
		PM <sub>10</sub>	7.72	33.82

- (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, collectively expressed (calculated) as nitrogen dioxide
  - SO<sub>2</sub> - sulfur dioxide
  - PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
  - CO - carbon monoxide
  - TRS - total reduced sulfur
  - H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - Speciated Compounds - See Attachment I
  - HF - hydrogen fluoride
  - OCDD - Octachlorodibenzo- p-dioxin
  - OCDF - Octachlorodibenzofuran
  - HpCCD - Heptachlorodibenzo- p-dioxin
  - HpCDF - Heptachlorodibenzofuran
  - HxCDD - Hexachlorodibenzo- p-dioxin
  - HxCDF - Hexachlorodibenzofuran
  - PeCDD - Pentachlorodibenzo- p-dioxin
  - PeCDF - Pentachlorodibenzofuran
  - TCDD - Tetrachlorodibenzo- p-dioxin
  - TCDF - Tetrachlorodibenzofuran
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate limit only applicable from November 1 through March 31
- (6) Emission rate limit only applicable from April 1 through October 31.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

- \*\* Compliance with annual emission and production limits is based on a rolling 12-month period.

Maximum Allowable Production Rate per kiln: 1.34 million short tons per year (tpy) of clinker.

Maximum Allowable Production Rate with both kilns operating: 2.67 million short tpy of clinker.

Date: March 31, 2011

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

ATTACHMENT I

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
7*	Kiln No. 1 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Aluminum	0.12	0.46
		Ammonia	2.01	7.69
		Ammonium Chloride	3.86	14.78
		Arsenic	3.53E-03	0.01
		Barium	0.09	0.34
		Benzaldehyde	0.45	1.72
		Benzene	6.30	24.12
		Benzo(a)pyrene	2.61E-05	9.99E-05
		Beryllium	1.32E-04	5.04E-04
		Boron	0.01	0.04
		Cadmium	4.41E-04	1.69E-03
		Chromium	0.03	0.11
		Copper (fume)	1.06	4.06
		Ethyl Toluene	1.69	6.47
		Ethylbenzene	1.04	3.98
		Fluorene	3.81E-03	0.01
		Fluoride (as HF)	0.18	0.69
		Hydrogen Chloride	1.94	7.43
		Iron	0.17	0.65
		Lead	0.02	0.08
Manganese (fumes)	0.01	0.04		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		Mercury	0.01	0.04
7*	Kiln No. 1 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Methyl Indene	2.02	7.74
		Methyl Mercaptan	0.46	1.76
		Methyl Styrene	0.01	0.04
		Methylene Chloride	0.10	0.38
		Naphthalene	0.34	1.30
		Nickel	0.01	0.04
		OCDD	4.01E-07	1.54E-06
		OCDF	8.33E-08	3.20E-07
		Pentadiene (all isomers)	1.23	4.71
		Phenathrene	0.08	0.31
		Selenium	0.04	0.15
		Silver	5.00E-04	1.91E-03
		Styrene	1.38	5.28
		Thallium	1.65E-03	0.01
		Toluene	9.83	37.63
		Total HpCDD	1.69E-07	6.50E-07
		Total HpCDF	5.45E-08	2.10E-07
		Total HxCDD	7.26E-08	2.80E-07
		TotalHxCDF	7.36E-08	2.80E-07
		Total PeCDD	5.41E-06	2.07E-06
Total PeCDF	5.82E-08	2.20E-07		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		Total TCDD	9.26E-09	4.00E-08
		Total TCDF	2.27E-07	8.70E-07
7*	Kiln No. 1 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Xylenes	4.85	18.57
		Zinc	0.07	0.27
62*	Kiln No. 2 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Aluminum	0.12	0.46
		Ammonia	2.01	7.69
		Ammonium Chloride	3.86	14.78
		Arsenic	3.53E-03	0.01
		Barium	0.09	0.34
		Benzaldehyde	0.45	1.72
		Benzene	6.30	24.12
		Benzo(a)pyrene	2.61E-05	9.99E-05
		Beryllium	1.32E-04	5.04E-04
		Boron	0.01	0.04
		Cadmium	4.41E-04	1.69E-03
		Chromium	0.03	0.11
		Copper (fume)	1.06	4.06
		Ethyl Toluene	1.69	6.47
		Ethylbenzene	1.04	3.98
Fluorene	3.81E-03	0.01		
Fluoride (as HF)	0.18	0.69		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		Hydrogen Chloride	1.94	7.43
		Iron	0.17	0.65
		Lead	0.02	0.08
		Manganese (fumes)	0.01	0.04
62*	Kiln No. 2 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Mercury	0.01	0.04
		Methyl Indene	2.02	7.74
		Methyl Mercaptan	0.46	1.76
		Methyl Styrene	0.01	0.04
		Methylene Chloride	0.10	0.38
		Naphthalene	0.34	1.30
		Nickel	0.01	0.04
		OCDD	4.01E-07	1.54E-06
		OCDF	8.33E-08	3.20E-07
		Pentadiene (all isomers)	1.23	4.71
		Phenathrene	0.08	0.31
		Selenium	0.04	0.15
		Silver	5.00E-04	1.91E-03
		Styrene	1.38	5.28
		Thallium	1.65E-03	0.01
		Toluene	9.83	37.63
		Total HpCDD	1.69E-07	6.50E-07
Total HpCDF	5.45E-08	2.10E-07		

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		Total HxCDD	7.26E-08	2.80E-07
		TotalHxCDF	7.36E-08	2.80E-07
		Total PeCDD	5.41E-06	2.07E-06
		Total PeCDF	5.82E-08	2.20E-07
		Total TCDD	9.26E-09	4.00E-08
62*	Kiln No. 2 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Total TCDF	2.27E-07	8.70E-07
		Xylenes	4.85	18.57
		Zinc	0.07	0.27

Date: March 31, 2011