

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Holcim (Texas) Limited Partnership

AUTHORIZING THE OPERATION OF
Holcim Texas Midlothian Plant
Midlothian Plant
Cement

LOCATED AT
Ellis County, Texas
Latitude 32° 30' 38" Longitude 96° 58' 40"
Regulated Entity Number: RN100219286

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1046 Issuance Date: June 5, 2014

For the Commission

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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. 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.
 - F. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, §113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.
 - G. The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL for total hydrocarbons (THC) and organic hazardous air pollutants (OHAP) as identified in the attached Applicable Requirements Summary by September 9, 2016. This is a one year extension of the compliance date granted in accordance with § 63.6(i)(4)(i)(A). The permit holder shall comply with the emission control installations, compliance schedule, and notification requirements contained in the Alternative Requirements attachment of this permit. The permit holder shall maintain the original documentation from the TCEQ Executive Director granting the compliance extension. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.
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_x, 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_x, 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_x, 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. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
 - A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities specified in 30 TAC Chapter 115, Subchapter C, the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 115.221 (relating to Emission Specifications)
 - (ii) Title 30 TAC § 115.222 (relating to Control Requirements)
 - (iii) Title 30 TAC § 115.223 (relating to Alternate Control Requirements)
 - (iv) Title 30 TAC § 115.224 (relating to Inspection Requirements)
 - (v) Title 30 TAC § 115.225 (relating to Testing Requirements)
 - (vi) Title 30 TAC § 115.226 (relating to Recordkeeping Requirements)
- 6. 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)

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, safety data sheets (SDS), 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. 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. Requirements of the non-rule Air Quality Standard Permit for Pollution Control Projects

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.
 - (i) 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
 - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

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
 - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

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
2*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-2*	40 CFR Part 60, Subpart 000	No changing attributes.
3*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-3*	40 CFR Part 60, Subpart 000	No changing attributes.
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.
38Y*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	63LLL-CLKPILE	40 CFR Part 63, Subpart LLL	No changing attributes.
42*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60000-42*	40 CFR Part 60, Subpart 000	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.
75C*	NON-METALLIC MINERAL PROCESSING PLANTS	N/A	60-000-75C*	40 CFR Part 60, Subpart 000	No changing attributes.
EMERGGEN1	SRIC ENGINES	N/A	R7403-1	30 TAC Chapter 117, Subchapter B	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
EMERGEN2	SRIC ENGINES	N/A	R7403-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
F20-FT2	LOADING/UNLOADING OPERATIONS	N/A	R5217-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
F20-FT2	STORAGE TANKS/VESSELS	N/A	R5112-1	30 TAC Chapter 115, Storage of VOCs	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-CCOOL	NON-METALLIC MINERAL PROCESSING PLANTS	471-GQ1A, 472- GQ1A	63LLL-CCOOL	40 CFR Part 63, Subpart LLL	No changing attributes.
GRP-CSTOR	COAL PREPARATION	13*, 38A*, L11-	60Y-CSTOR	40 CFR Part 60, Subpart	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	PLANTS	HP1, L11-HP2, L92-FB1		Y	
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- 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-	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
		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, 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,			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		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- 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-			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		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, 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-			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		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, 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-			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		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, 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,	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
		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, 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-			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		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, 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, 591-3SA,			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		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, 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-AS1, 59A-AS2, 59A- AS3, 59A-AS4,			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		59A-AS5, 59A-AS6, 59A-AS7, 59A-AS8, 59A-BE1, 59A-BE3, 59A-BEA, 59A-BF1, 59A-BF3, 59A-BF4, 59A-BFA, 59A-BFB, 59A-MW1, 59A-MW2, 59A-MW3, 59A-MW4, 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, 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,			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		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-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-			

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
		AS1B, P31-RF1, P31-SC1, P32-AS1, P32-FB1, P32-SC1, T21-BC1, T23- CH1, T23-CH2, T31-WF1A, T31- WF1B, T32-WF1A, T32-WF1B			
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 = Greater than 204° C (400° F).
GRP-KILN	NON-METALLIC MINERAL PROCESSING PLANTS	62*, 7*	63LLL-2	40 CFR Part 63, Subpart LLL	Performance Test Temperature = Less than or equal to 204° C (400° F).
GRP-KLNSTK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	62*, 7*	R1111-KLNSTK	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRP-MSTOR	NON-METALLIC MINERAL PROCESSING PLANTS	22A-HP2, 311- 3B1B, 311-3B2B, 311-3B3B, 311- 3B4B, 311-HP1B,	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
		312-3B1, 322-3B1, 322-3B3, 322-3B4, 32A-3P1, 391- 3B1B, 391-3S1B, 391-3S2B, 392- 3B1B, 392-3S1B, 392-BI1B, 392- FB1, 392-PC1B, 392-PC2B, 431- FB1B, 432-FB1B, 451-HP1B, 452- BI1B, 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- 3B1, L11-HP1B, P31-FB1, T21-3B1, T22-3B1, T23-3S1			
GRP-OSTK	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	23*, 29*, 66*	R1111-OSTK	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
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.
GRP-TNKOCL	LOADING/UNLOADING OPERATIONS	N/A	R5217-1	30 TAC Chapter 115, Loading and Unloading of VOC	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.
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.
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.
PONDUMP	SRIC ENGINES	N/A	R7403-1	30 TAC Chapter 117, Subchapter B	No changing attributes.
PONDUMP	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.
TK-LOADKLN	LOADING/UNLOADING OPERATIONS	N/A	R5217-1	30 TAC Chapter 115, Loading and Unloading of VOC	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)
2*	EU	60000-2*	PM	40 CFR Part 60, Subpart 000	§ 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 000	§ 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 000	§ 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 000	§ 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		
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)	An owner or operator of pneumatic coal-cleaning equipment constructed,	§ 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)
					[G]§ 60.255(e)	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 gr/dscf).			
38Y*	EU	63LLL-CLKPILE	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
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,	[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)

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)
						modification, or reconstruction after August 31, 1983 but before April 22, 2008.			
62*	EU	R73123-2	NO _x	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 ₃	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 _x	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 _x emissions from all cement kilns located at the account to exceed the source cap limitation in §117.3123(b). The source	§ 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)	§ 117.3145(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)

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)
						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.	§ 117.3142(a)(2) § 117.3142(a)(4) § 117.3142(b)(1) § 117.3142(b)(2) § 117.3142(b)(3)		
7*	EU	R73123-1	NO _x	30 TAC Chapter 117, Cement Kilns	§ 117.3110(d) § 117.3103(c)	Each preheater or precalciner kiln for which either a low-NO _x burner or a low-NO _x precalciner is installed and operated during kiln operation is not required to meet the NO _x 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 ₃	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	§ 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)
						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 _x	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 _x 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)
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 from affected facilities that commenced construction, modification, or	[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)

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)
						reconstruction on or after April 22, 2008.			
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 up to 100 hours per year, based on a rolling 12-month average. New, modified, reconstructed or relocated	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)
						stationary diesel engine placed into service on or after June 1, 2007, are ineligible.			
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
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-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

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)
GRP-CCOOL	EU	63LLL-CCOOL	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
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
GRP-CSTP13	EU	63LLL-CSTP13	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL

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)
GRP-CSTP13B	EU	63LLL-CSTP13	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GRP-CSTP2	EU	63LLL-CSTP2	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GRP-FMILL	EU	63LLL-FMILL	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
GRP-KILN	EU	63LLL-1	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63,	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL

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)
					requirements of 40 CFR Part 63, Subpart LLL		Subpart LLL		
GRP-KILN	EU	63LLL-2	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
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, 1972.	§ 111.111(a)(1)(D) [G]§ 111.111(a)(1)(F)	§ 111.111(a)(1)(C) § 111.111(a)(1)(D)	None
GRP-MSTOR	EU	63LLL-MSTOR	PM (OPACITY)	40 CFR Part 63, Subpart LLL	§ 63.1340 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart LLL	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart LLL
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	[G]§ 111.111(a)(1)(F) ** See CAM Summary	None	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)
						total flow rate of at least 100,000 acfm unless a CEMS is installed.			
GRP-QCONIC	EU	6o000-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	6o000-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	6o000-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 OOO	§ 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)
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

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)
GRP-TNKOCL	EU	R5112-TNKOCL	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
L11-BC9	EU	60Y-CCONV2	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-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	§ 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)
						percent opacity or greater.			
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 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)
LSS	EU	60000-LSS	PM (OPACITY)	40 CFR Part 60, Subpart OOO	§ 60.672(e)(1) § 60.672(d)	Fugitive emissions from the building openings must not exceed 7 percent opacity.	[G]§ 60.675(e)(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)
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
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),	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)
						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.			
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) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
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 (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year	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)
						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)			
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(e) § 63.6650(f)
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

Additional Monitoring Requirements

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CAM Summary

Unit/Group/Process Information	
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
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-OSTK
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: 2*	
Control Device ID No.: 211-BF2	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-2*
Pollutant: PM (OPACITY)	Main Standard: § 60.672(a) - Table 2
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: 2*	
Control Device ID No.: 211-BF2	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-2*
Pollutant: PM	Main Standard: § 60.672(a)-Table 2
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text below	
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

Unit/Group/Process Information	
ID No.: 3*	
Control Device ID No.: 291-BF1	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-3*
Pollutant: PM	Main Standard: § 60.672(a) - Table 2
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: 3*	
Control Device ID No.: 291-BF1	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-3*
Pollutant: PM (OPACITY)	Main Standard: § 60.672(a) - Table 2
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: 42*	
Control Device ID No.: 220-BF2	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-42*
Pollutant: PM	Main Standard: § 60.672(a) - Table 2
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text below	
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

Unit/Group/Process Information	
ID No.: 42*	
Control Device ID No.: 220-BF2	Control Device Type: Fabric Filter
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-42*
Pollutant: PM (OPACITY)	Main Standard: § 60.672(a) - Table 2
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text below	
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

Unit/Group/Process Information	
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
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-CCONV
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
Monitoring Information	
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

Unit/Group/Process Information	
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
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart Y	SOP Index No.: 60Y-CSTOR
Pollutant: PM (OPACITY)	Main Standard: § 60.254(a)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: See Periodic Monitoring Text	
Averaging Period: N/A	
Deviation Limit: Maximum opacity = 20% 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

Unit/Group/Process Information	
ID No.: GRP-QCONIC	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-QCONIC
Pollutant: PM (OPACITY)	Main Standard: § 60.672(b) - Table 3
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: GRP-QCONIU	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-QCONIU
Pollutant: PM (OPACITY)	Main Standard: § 60.672(b) - Table 3
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: GRP-QCONN	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-QCONN
Pollutant: PM (OPACITY)	Main Standard: § 60.672(b) - Table 3
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: GRP-QCRUSH	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-QCRUSH
Pollutant: PM (OPACITY)	Main Standard: § 60.672(b) - Table 3
Monitoring Information	
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

Unit/Group/Process Information	
ID No.: LSS	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart 000	SOP Index No.: 60000-LSS
Pollutant: PM (OPACITY)	Main Standard: § 60.672(e)(1)
Monitoring Information	
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		
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 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.
F20-FT1	N/A	30 TAC Chapter 115, Loading and Unloading of VOC	Motor vehicle fuel dispensing operation.
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-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.

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-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.
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.
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
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.
TNK10	N/A	30 TAC Chapter 115, Storage of VOCs	Storage container less than 1,000 gallons.

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	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

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

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX454M4	Issuance Date: 05/12/2015
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.	
Authorization No.: 70582	Issuance Date: 08/16/2013
Authorization No.: 8996	Issuance Date: 05/12/2015
Permits By Rule (30 TAC Chapter 106) for the Application Area	
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

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, PSDTX454M4
1A*	PRIMARY (UPPER BENCH) LIMESTONE CRUSHER	8996, PSDTX454M4
2*	SECONDARY LIMESTONE CRUSHER	8996, PSDTX454M4
211-AF2	SECONDARY CRUSHER APRON FEEDER	8996, PSDTX454M4
211-BC2	PRIMARY(UPPER BENCH) LIMESTONE BELT WAGON CONVEYOR	8996, PSDTX454M4
211-BC3	PRIM(UPPER BENCH)LIMESTNE CRUSHER BELT CONVEYOR #3	8996, PSDTX454M4
211-BC4	PRIM(UPPER BENCH) LIMESTNE CRUSHER BELT CONVEYOR #4	8996, PSDTX454M4
211-BC5	LIMESTONE OVERLAND BELT CONVEYOR	8996, PSDTX454M4
211-SX2	SECONDARY CRUSHER FEED CLEAN-UP DRAG CONVEYOR	8996, PSDTX454M4
220-AC1	SHALE CRUSHER FEED APRON CONVEYOR	8996, PSDTX454M4
220-SX1	SHALE CRUSHER FEED CLEAN-UP DRAG	8996, PSDTX454M4
22A-HP2	ALTERNATIVE RAW MATERIAL BAY	8996, PSDTX454M4
23*	LINE 1 FINISH MILL SYSTEM NO. 1 & 2 BAGHOUSES	8996, PSDTX454M4
29*	LINE 1 FINISH MILL SYSTEM NO. 1 & 2 BAGHOUSES	8996, PSDTX454M4
290-BC1	SHALE CRUSHER OUTPUT TO RMS BELT CONVEYOR	8996, PSDTX454M4
291-BC1	SECONDARY CRUSHER DISCHARGE BELT CONVEYOR	8996, PSDTX454M4
291-BC2	RAW MATERIAL TRIPPER BELT CONVEYOR	8996, PSDTX454M4

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, PSDTX454M4
3*	RAW MATERIAL TRANSFER POINT BAGHOUSE STACK	8996, PSDTX454M4
311-3B1A	TRANSFER FROM 311-3B1 TO 331-WF1	8996, PSDTX454M4
311-3B1B	LINE 1 SAND/ UNIVERSAL BIN WITH PMCD	8996, PSDTX454M4
311-3B2A	TRANSFER FROM 311-3B2 TO 331-WF2	8996, PSDTX454M4
311-3B2B	LINE 1 LIMESTONE BIN WITH PMCD	8996, PSDTX454M4
311-3B3A	TRANSFER FROM 311-3B3 TO 331-WF3	8996, PSDTX454M4
311-3B3B	LINE 1 SHALE BIN WITH PMCD	8996, PSDTX454M4
311-3B4A	TRANSFER FROM 311-3B4 TO 331-WF4	8996, PSDTX454M4
311-3B4B	LINE 1 IRON ORE BIN WITH PMCD	8996, PSDTX454M4
311-BC1	TRANSFER FROM 311-BC1 TO 311-BC2 WITH PMCD	8996, PSDTX454M4
311-BC2A	TRANSFER FROM 311-BC2 TO 311-3B2 WITH PMCD	8996, PSDTX454M4
311-BC2B	TRANSFER FROM 311-BC2 TO 312-BC1 WITH PMCD	8996, PSDTX454M4
311-BC3A	TRANSFER FROM 311-BC3 TO 311-3B2 WITH PMCD	8996, PSDTX454M4
311-BC3B	TRANSFER FROM 311-BC3 TO 311-BC7 WITH PMCD	8996, PSDTX454M4
311-BC5	TRANSFER FROM 311-BC5 TO 311-BC6	8996, PSDTX454M4
311-BC6A	TRANSFER FROM 311-BC6 TO 311-BC2 WITH PMCD	8996, PSDTX454M4
311-BC6B	TRANSFER FROM 311-BC6 TO 311-BC3 WITH PMCD	8996, PSDTX454M4

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, PSDTX454M4
311-BC7B	TRANSFER FROM 311-BC7 TO 311-3B1 WITH PMCD	8996, PSDTX454M4
311-BC8A	TRANSFER FROM 311-BC8 TO 311-3B4 WITH PMCD	8996, PSDTX454M4
311-BC8B	TRANSFER FROM 311-BC8 TO 322 BC1 WITH PMCD	8996, PSDTX454M4
311-BC8C	TRANSFER FROM 311-BC8 TO 311-3B3 WITH PMCD	8996, PSDTX454M4
311-BF1A	TRANSFER FROM 311-BF1 TO 311-BC2	8996, PSDTX454M4
311-BF1B	TRANSFER FROM 311-BF1 TO 311-BC3	8996, PSDTX454M4
311-BF2	TRANSFER FROM 311-BF2 TO 311-3B2	8996, PSDTX454M4
311-BF3	TRANSFER FROM 311-BF3 TO 311-3B3 WITH PMCD	8996, PSDTX454M4
311-HP1A	TRANSFER FROM 311-HP1 TO 311-BC5	8996, PSDTX454M4
311-HP1B	RMS WEST RECLAIM HOPPER	8996, PSDTX454M4
312-3B1	LINE 2 LIMESTONE BUFFER BIN	8996, PSDTX454M4
312-CH2	TRANSFER FROM 312-BC1 TO 312-3B1	8996, PSDTX454M4
312-CH3	TRANSFER FROM 312-BF1 TO 312-3B1	8996, PSDTX454M4
321-BC1	TRANSFER FROM 321-BC1 TO 311-3B3 WITH PMCD	8996, PSDTX454M4
321-CH1	TRANSFER FROM 320-BC1 TO 312-BC1	8996, PSDTX454M4
322-3B1	LINE 2 SHALE BUFFER BIN	8996, PSDTX454M4
322-3B3	LINE 2 SAND BUFFER BIN	8996, PSDTX454M4

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, PSDTX454M4
322-BC1A	TRANSFER FROM 322-BC1 TO 322-BC2	8996, PSDTX454M4
322-BC1B	TRANSFER FROM 322-BC1 TO 322-3B3	8996, PSDTX454M4
322-BF1A	TRANSFER FROM 322-BF1 TO 322-3B3 WITH PMCD	8996, PSDTX454M4
322-BF1B	TRANSFER FROM 322-BF1 TO 322-3B4 WITH PMCD	8996, PSDTX454M4
322-CH1	TRANSFER FROM 320-BC1 TO 322-3B1	8996, PSDTX454M4
32A-3P1	ALTERNATIVE RAW MATERIAL HOPPER	8996, PSDTX454M4
32A-AF1	TRANSFER FROM 32A-AF1 TO 32A-BC3 WITH PMCD	8996, PSDTX454M4
32A-BC3A	TRANSFER FROM 32A-BC3 TO 311-3B4	8996, PSDTX454M4
32A-BC3B	TRANSFER FROM 32A-BC3 TO 311-BC7	8996, PSDTX454M4
32A-BC3C	TRANSFER FROM 32A-BC3 TO 322-BC1	8996, PSDTX454M4
32A-BF1	TRANSFER FROM 32A-BF1 TO 32A-BC3	8996, PSDTX454M4
331-BC1	TRANSFER FROM 331-BC1 TO 361-RM1	8996, PSDTX454M4
331-NG1	TRANSFER FROM 311-3B1 TO 331-AF1	8996, PSDTX454M4
331-NG2	TRANSFER FROM 311-3B2 TO 331-AF2	8996, PSDTX454M4
331-NG3	TRANSFER FROM 311-3B3 TO 331-AF3	8996, PSDTX454M4
331-SG4	TRANSFER FROM 311-3B4 TO 331-WF4	8996, PSDTX454M4
331-SX5	TRANSFER FROM 331-SX5 TO 331-BC1 WITH PMCD	8996, PSDTX454M4

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, PSDTX454M4
331-SX7	TRANSFER FROM 331-SX7 TO 331-BC1 WITH PMCD	8996, PSDTX454M4
331-SX8	TRANSFER FROM 331-SX8 TO 331-BC1 WITH PMCD	8996, PSDTX454M4
331-WF1	TRANSFER FROM 331-WF1 TO 331-BC1 WITH PMCD	8996, PSDTX454M4
331-WF2	TRANSFER FROM 331-WF2 TO 331-BC1 WITH PMCD	8996, PSDTX454M4
331-WF3	TRANSFER FROM 331-WF3 TO 331-BC1 WITH PMCD	8996, PSDTX454M4
331-WF4	TRANSFER FROM 331-WF4 TO 331-BC1 WITH PMCD	8996, PSDTX454M4
332-CH1	TRANSFER FROM 312-3B1 TO 332-AC1	8996, PSDTX454M4
332-CH2	TRANSFER FROM 332-AC1 AND 332-SX1 TO 332-WF1	8996, PSDTX454M4
332-CH3	TRANSFER FROM 332-SX2 AND 332-WF1 TO 332-BC1	8996, PSDTX454M4
332-CH4	TRANSFER FROM 322-3B1 TO 332-WF2	8996, PSDTX454M4
332-CH5	TRANSFER FROM 332-WF2 AND 332-SX3 TO 332-BC1	8996, PSDTX454M4
332-CH6	TRANSFER FROM 332-BC1 TO TRUCK	8996, PSDTX454M4
332-CH7	TRANSFER FROM 332-BC1 TO 332-CH7	8996, PSDTX454M4
332-CH8	TRANSFER FROM 332-CH8 TO 332-FV1	8996, PSDTX454M4
332-CH9	TRANSFER FROM 332-CH9 TO TRUCK	8996, PSDTX454M4
332-FV1	TRANSFER FROM 332-FV1 TO 362-RM1 WITH PMCD	8996, PSDTX454M4
332-WF3A	TRANSFER FROM 322-3B3 TO 332-WF3	8996, PSDTX454M4

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, PSDTX454M4
332-WF4A	TRANSFER FROM 322-3B4 TO 332-WF4	8996, PSDTX454M4
332-WF4B	TRANSFER FROM 332-WF4 TO 332-BC1	8996, PSDTX454M4
361-CN1	TRANSFER FROM 361-CN1 TO 391-AS1	8996, PSDTX454M4
361-CN2	TRANSFER FROM 361-CN2 TO 391-AS1	8996, PSDTX454M4
361-CN3	TRANSFER FROM 361-CN3 TO 391-AS1	8996, PSDTX454M4
361-CN4	TRANSFER FROM 361-CN4 TO 391-AS1	8996, PSDTX454M4
361-DU1A	TRANSFER FROM 421-SC4 TO LINE 1 IN-LINE KILN	8996, PSDTX454M4
361-DU1B	TRANSFER FROM 441-CT1 TO LINE 1 IN-LINE KILN	8996, PSDTX454M4
361-DU5A	TRANSFER FROM 361-RM1 TO 361-CN1 WITH PMCD	8996, PSDTX454M4
361-DU5B	TRANSFER FROM 361-RM1 TO 361-CN2 WITH PMCD	8996, PSDTX454M4
361-DU5C	TRANSFER FROM 361-RM1 TO 361-CN3 WITH PMCD	8996, PSDTX454M4
361-DU5D	TRANSFER FROM 361-RM1 TO 361-CN4 WITH PMCD	8996, PSDTX454M4
362-CH1	TRANSFER FROM 362-RM1 TO DUMP	8996, PSDTX454M4
362-DU1A	TRANSFER FROM 362-DU1 TO 362-CN1	8996, PSDTX454M4
362-DU1B	TRANSFER FROM 362-RM1 TO 362-CN1 WITH PMCD	8996, PSDTX454M4
38A*	COAL STORAGE PILE	8996, PSDTX454M4
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
38Y*	RESERVE CLINKER STORAGE PILE	106.261/11/01/2003
391-3B1A	TRANSFER FROM 391-3B1 TO 431-AS3 WITH APCD	8996, PSDTX454M4
391-3B1B	LINE 1 KILN DUST BIN	8996, PSDTX454M4
391-3S1A	TRANSFER FROM 411-3S1 TO 411-AS1 WITH APCD	8996, PSDTX454M4
391-3S1B	LINE 1 BLEND SILO1	8996, PSDTX454M4
391-3S2A	TRANSFER FROM 411-3S2 TO 411-AS4 WITH APCD	8996, PSDTX454M4
391-3S2B	LINE 1 BLEND SILO 2	8996, PSDTX454M4
391-AS3	TRANSFER FROM 391-AS3 TO 391-BE2 WITH PMCD	8996, PSDTX454M4
391-AS6	TRANSFER FROM 391-AS6 TO 391-3S1 WITH PMCD	8996, PSDTX454M4
391-AS7	TRANSFER FROM 391-AS7 TO 391-3S2 WITH PMCD	8996, PSDTX454M4
391-AS9	TRANSFER FROM 391-AS9 TO 391-BE1 WITH PMCD	8996, PSDTX454M4
391-ASA	TRANSFER FROM 391-ASA TO 391-BF3 WITH PMCD	8996, PSDTX454M4
391-ASB	TRANSFER FROM 391-ASB TO 391-BE3	8996, PSDTX454M4
391-ASC	TRANSFER FROM 391-ASC TO 391-3B1 WITH PMCD	8996, PSDTX454M4
391-ASDA	TRANSFER FROM 391-3B1 TO 391-ASD	8996, PSDTX454M4
391-ASDB	TRANSFER FROM 391-ASD TO 391-FM1	8996, PSDTX454M4
391-ASF	TRANSFER FROM 391-ASF TO 391-FB1 WITH APCD	8996, PSDTX454M4

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-BE1A	TRANSFER FROM 391-BE1 TO 391-AS2 WITH PMCD	8996, PSDTX454M4
391-BE1B	TRANSFER FROM 391-BE1 TO 391-ASA WITH PMCD	8996, PSDTX454M4
391-BE2	TRANSFER FROM 391-BE2 TO 391-AS4 WITH PMCD	8996, PSDTX454M4
391-BE3	TRANSFER FROM 391-BE1 TO 391-ASC	8996, PSDTX454M4
391-BF1A	TRANSFER FROM 391-BF1 TO 391-3S1 WITH PMCD	8996, PSDTX454M4
391-BF1B	TRANSFER FROM 391-BF1 TO 391-3S2 WITH PMCD	8996, PSDTX454M4
391-BF3	TRANSFER FROM 391-BF3 TO P31-FB1 WITH PMCD	8996, PSDTX454M4
391-BF4	TRANSFER FROM 391-BF4 TO 391-SC5	8996, PSDTX454M4
391-BF6	TRANSFER FROM 391-BF6 TO 391-3B1 WITH PMCD	8996, PSDTX454M4
391-FM1A	TRANSFER FROM 391-FM1 TO 391-ASE	8996, PSDTX454M4
391-FM1B	TRANSFER FROM 391-FM1 TO 391-ASF	8996, PSDTX454M4
391-PC1A	TRANSFER FROM 391-PC1 TO 391-PC2	8996, PSDTX454M4
391-PC1B	TRANSFER FROM 391-PC1 TO 391-3B1 WITH PMCD	8996, PSDTX454M4
391-PC1C	TRANSFER FROM 391-PC1 TO P31-FB1 WITH PMCD	8996, PSDTX454M4
391-RF1	TRANSFER FROM 391-RF1 TO 391-SC5 WITH PMCD	8996, PSDTX454M4
391-RF2	TRANSFER FROM 391-RF2 TO 391-SC6 WITH PMCD	8996, PSDTX454M4
391-RF5	TRANSFER FROM 391-RF5 TO 391-PC2	8996, PSDTX454M4
391-SC3	TRANSFER FROM 391-SC3 TO 391-RF1	8996, PSDTX454M4

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-SC4	TRANSFER FROM 391-SC4 TO 391-RF2	8996, PSDTX454M4
391-SC5	TRANSFER FROM 391-SC5 TO 391-PC1 WITH PMCD	8996, PSDTX454M4
391-SC6A	TRANSFER FROM 391-SC6 TO 391-RF5 WITH PMCD	8996, PSDTX454M4
391-SC6B	TRANSFER FROM 391-SC6 TO 391-BE1 WITH PMCD	8996, PSDTX454M4
392-3B1A	TRANSFER FROM 392-3B1 TO 392-FM1	8996, PSDTX454M4
392-3B1B	LINE 2 DUST BIN	8996, PSDTX454M4
392-3S1A	TRANSFER FROM 392-3S1 TO 412-AS2	8996, PSDTX454M4
392-3S1B	LINE 2 KILN FEED/ BLEND SILO	8996, PSDTX454M4
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, PSDTX454M4
392-AS4.3AS	TRANSFER FROM 392-AS4.3AS TO 392-BE1	8996, PSDTX454M4
392-AS6	TRANSFER FROM 392-AS6 TO 392-BE2	8996, PSDTX454M4
392-AS7	TRANSFER FROM 392-AS7 TO 392-PC1	8996, PSDTX454M4
392-BE2	TRANSFER FROM 392-BE2 TO 392-AS4	8996, PSDTX454M4
392-BF1	TRANSFER FROM 392-BF1 TO 392-BI1 WITH APCD	8996, PSDTX454M4
392-BF2	TRANSFER FROM 392-BF2 TO 392-AS1	8996, PSDTX454M4
392-BI1A	TRANSFER FROM 392-BI1 TO P32-FB1	8996, PSDTX454M4

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-BI1B	LINE 2 DUST BIN	8996, PSDTX454M4
392-CH1	TRANSFER FROM 362-CN1 TO 392-AS1	8996, PSDTX454M4
392-CH2	TRANSFER FROM 362-CN2 TO 392-AS1	8996, PSDTX454M4
392-CH4	TRANSFER FROM 392-BE1 TO 392-AS2 WITH PMCD	8996, PSDTX454M4
392-CH5	TRANSFER FROM 392-AS2 TO 392-AS3	8996, PSDTX454M4
392-CH6A	TRANSFER FROM 392-AS3 TO 392-3S1 WITH PMCD	8996, PSDTX454M4
392-CH6B	TRANSFER FROM 432-AS3 TO 392-3S1 WITH PMCD	8996, PSDTX454M4
392-CH8	TRANSFER FROM 392-BI1 TO 432-AS2	8996, PSDTX454M4
392-FB1	LINE 2 SCRUBBER REAGENT BIN	8996, PSDTX454M4
392-FM1A	TRANSFER FROM 392-FM1 TO 392-AS6	8996, PSDTX454M4
392-FM1B	TRANSFER FROM 392-FM1 TO 392-AS7	8996, PSDTX454M4
392-PC1A	TRANSFER FROM 392-PC1 TO 392-BI1	8996, PSDTX454M4
392-PC1B	DUST POD	8996, PSDTX454M4
392-PC2A	TRANSFER FROM 392-PC2 TO 392-BI1	8996, PSDTX454M4
392-PC2B	DUST POD	8996, PSDTX454M4
392-SC1--SC8A	TRANSFER FROM 392-SC1--SC8 TO 392-SC9	8996, PSDTX454M4
392-SC1--SC8B	TRANSFER FROM 392-SC1--SC8 TO 392-SCA	8996, PSDTX454M4
392-SC9	TRANSFER FROM 392-SC9 TO 392-SCB	8996, PSDTX454M4

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-SCA	TRANSFER FROM 392-SCA TO 392-SCB	8996, PSDTX454M4
392-SCBA	TRANSFER FROM 392-SCB TO 392-PC1	8996, PSDTX454M4
392-SCBB	TRANSFER FROM 392-SCB TO 392-SCC	8996, PSDTX454M4
392-SCCA	TRANSFER FROM 392-SCC TO 392-SCD	8996, PSDTX454M4
392-SCCB	TRANSFER FROM 392-SCC TO 392-PC2	8996, PSDTX454M4
392-SCD	TRANSFER FROM 392-SCD TO 392-SCE	8996, PSDTX454M4
392-SCE	TRANSFER FROM 392-SCE TO 392-BE2	8996, PSDTX454M4
411-AS1	TRANSFER FROM 411-AS1 TO 411-AS2 WITH PMCD	8996, PSDTX454M4
411-AS2	TRANSFER FROM 411-AS2 TO 411-AS4 WITH PMCD	8996, PSDTX454M4
411-AS7	TRANSFER FROM 411-AS7 TO 431-FB1 WITH PMCD	8996, PSDTX454M4
411-BF1	TRANSFER FROM 411-BF1 TO 391-AS3 WITH PMCD	8996, PSDTX454M4
411-CH1A	TRANSFER FROM 411-AS9 TO 411-AS3 WITH PMCD	8996, PSDTX454M4
411-CH1B	TRANSFER FROM 411-AS6 TO 411-AS3 WITH PMCD	8996, PSDTX454M4
412-CH1C	TRANSFER FROM 392-3S1 TO 412-AS1	8996, PSDTX454M4
412-CH2	TRANSFER FROM 392-3S1 TO 412-AS1	8996, PSDTX454M4
412-CH4	TRANSFER FROM 412-BF1 TO 412-BE1	8996, PSDTX454M4
412-CH5	TRANSFER FROM 412-AS1 TO 412-BE1 WITH PMCD	8996, PSDTX454M4
412-CH6	TRANSFER FROM 412-BE1 TO 412-AS3 WITH PMCD	8996, PSDTX454M4

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
412-CH7	TRANSFER FROM 412-AS3 TO 432-FB1 WITH PMCD	8996, PSDTX454M4
42*	SHALE ROLL CRUSHER	8996, PSDTX454M4
421-BF1A	TRANSFER FROM 421-BF1 TO 391-SC3	8996, PSDTX454M4
421-BF1B	TRANSFER FROM 421-BF1 TO 391-SC4	8996, PSDTX454M4
421-SC1A	TRANSFER FROM 421-SC1 TO 421-SC2	8996, PSDTX454M4
421-SC1B	TRANSFER FROM 421-SC1 TO TRUCK	8996, PSDTX454M4
421-SC2	TRANSFER FROM 421-SC2 TO 421-SC3	8996, PSDTX454M4
421-SC3	TRANSFER FROM 421-SC3 TO 421-SC4	8996, PSDTX454M4
422-BF1	TRANSFER FROM 422-BF1 TO 392-SC1--SC8	8996, PSDTX454M4
422-CH1	TRANSFER FROM 422-SC1 TO TRUCK	8996, PSDTX454M4
422-CH2	TRANSFER FROM 422-SC1 TO 422-SC2	8996, PSDTX454M4
422-SC2	TRANSFER FROM 422-SC2 TO 392-BE1	8996, PSDTX454M4
431- AS1A	TRANSFER FROM 431-AS1 TO 431-FM1	8996, PSDTX454M4
431-AS1B	TRANSFER FROM 431-FB1 TO 431-AS1	8996, PSDTX454M4
431-AS2	TRANSFER FROM 431-AS2 TO 431-RF1 WITH PMCD	8996, PSDTX454M4
431-BE1	TRANSFER FROM 431-BE1 TO 431-AS2 WITH PMCD	8996, PSDTX454M4
431-BF1	TRANSFER FROM 431-BF1 TO 431-FB1 WITH PMCD	8996, PSDTX454M4
431-BF2	TRANSFER FROM 431-BF2 TO 431-FB1 WITH PMCD	8996, PSDTX454M4

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-FB1A	TRANSFER FROM 431-FB1 TO 431-AS1 WITH APCD	8996, PSDTX454M4
431-FB1B	LINE 1 KILN FEED CALIBRATION BIN	8996, PSDTX454M4
431-FM1	TRANSFER FROM 431-FM1 TO 431-BE1 WITH PMCD	8996, PSDTX454M4
431-RF1	TRANSFER FROM 431-RF1 TO 441-PH1 WITH PMCD	8996, PSDTX454M4
432-CH10	TRANSFER FROM 432-BF1 TO 432-FB1 WITH PMCD	8996, PSDTX454M4
432-CH11	TRANSFER FROM 432-BF2 TO 432-RF1	8996, PSDTX454M4
432-CH1	TRANSFER FROM 432-AS1 TO 432-FM1	8996, PSDTX454M4
432-CH2	TRANSFER FROM 432-FM1 TO 432-AS2	8996, PSDTX454M4
432-CH3	TRANSFER FROM 432-AS2 TO 432-BE1	8996, PSDTX454M4
432-CH5	TRANSFER FROM 432-BE1 TO 432-AS4 WITH PMCD	8996, PSDTX454M4
432-CH6	TRANSFER FROM 432-AS4 TO 432-RF1 WITH APMCD	8996, PSDTX454M4
432-CH7	TRANSFER FROM 432-RF1 TO 442-PH1	8996, PSDTX454M4
432-CH8	TRANSFER FROM 432-BE1 TO 432-AS3 WITH APMCD	8996, PSDTX454M4
432-FB1A	TRANSFER FROM 432-FB1 TO 432-AS1	8996, PSDTX454M4
432-FB1B	LINE 2 FINES BIN	8996, PSDTX454M4
441-CT1	TRANSFER FROM 441-CT1 TO 421-SC1	8996, PSDTX454M4
441-DU1	TRANSFER FROM 441-PH1 TO 441-CT1	8996, PSDTX454M4
442-DU1	TRANSFER FROM 442-PH1 TO 442-EC1	8996, PSDTX454M4

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
442-EC1	TRANSFER FROM 442-EC1 TO 422-SC1	8996, PSDTX454M4
451-BC1	TRANSFER FROM 451-BC1 TO 451-BE1	8996, PSDTX454M4
451-CH1	TRANSFER FROM 451-BE1 TO 451-PR1	8996, PSDTX454M4
451-HP1A	TRANSFER FROM 451-HP1 TO 451-SC1	8996, PSDTX454M4
451-HP1B	LINE 1 ALTERNATIVE FUEL HOPPER	8996, PSDTX454M4
451-SC1	TRANSFER FROM 451-SC1 TO 451-BC1	8996, PSDTX454M4
452-BI1A	TRANSFER FROM 451-HP1 TO 451-SC1	8996, PSDTX454M4
452-BI1B	LINE 2 ALTERNATIVE FUEL HOPPER	8996, PSDTX454M4
452-CH1	TRANSFER FROM 452-SC1 TO 452-BC1	8996, PSDTX454M4
452-CH2	TRANSFER FROM 452-BC1 TO 452-BE1	8996, PSDTX454M4
452-CH3	TRANSFER FROM 452-BE1 TO 452-PR1	8996, PSDTX454M4
461-KL1	TRANSFER FROM 461-KL1 TO 471-GQ1	8996, PSDTX454M4
462-CH1	TRANSFER FROM 462-CN1 TO 472-GQ1	8996, PSDTX454M4
462-CH2	TRANSFER FROM 462-KL1 TO 492-AC1	8996, PSDTX454M4
462-KL1	TRANSFER FROM 462-KL1 TO 472-GQ1	8996, PSDTX454M4
471-AQ1	TRANSFER FROM 471-AQ1 TO 491-SC7	8996, PSDTX454M4
471-CN1	TRANSFER FROM 471-CN1 TO 491-CV4	8996, PSDTX454M4
471-DE1	TRANSFER FROM 471-DE1 TO 491-CV3	8996, PSDTX454M4

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-GQ1A	LINE 1 CLINKER COOLER	8996, PSDTX454M4
471-GQ1B	TRANSFER FROM 471-GQ1 TO 471-DE1	8996, PSDTX454M4
471-GQ1C	TRANSFER FROM 471-GQ1 TO 491-CV1	8996, PSDTX454M4
471-HC1	TRANSFER FROM 471-HC1 TO 491-CV1	8996, PSDTX454M4
471-MC1A	TRANSFER FROM 471-MC1 TO 491-SC2	8996, PSDTX454M4
471-MC1B	TRANSFER FROM 471-MC1 TO 491-SC3	8996, PSDTX454M4
472-DU1	TRANSFER FROM 472-DU1 TO 472-CN1	8996, PSDTX454M4
472-GQ1A	LINE 2 CLINKER COOLER	8996, PSDTX454M4
472-GQ1B	TRANSFER FROM 472-GQ1 TO 472-DU1	8996, PSDTX454M4
491-3S1	LINE 1 CLINKER SILO 1	8996, PSDTX454M4
491-3S2	LINE 1 CLINKER SILO 2	8996, PSDTX454M4
491-3S3	LINE 1 CLINKER SILO 3	8996, PSDTX454M4
491-3S4	LINE 1 CLINKER SILO 4	8996, PSDTX454M4
491-3S5	LINE 1 CLINKER SILO 5	8996, PSDTX454M4
491-3S6	LINE 1 FLY ASH SILO	8996, PSDTX454M4
491-3S7	LINE 1 CLINKER SILO 7	8996, PSDTX454M4
491-3S8A	TRANSFER FROM 491-3S8 TO 491-3S6 WITH PMCD	8996, PSDTX454M4
491-3S8B	LINE 1 CLINKER SILO 8	8996, PSDTX454M4

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-AC2	TRNSFR FRM 491-AC2 TO OFF-SPEC CLINKER PILE W/PMCD	8996, PSDTX454M4
491-BC1	TRANSFER FROM 491-BC1 TO 491-AC1	8996, PSDTX454M4
491-BF1	TRANSFER FROM 491-BF1 TO 491-3S6 WITH PMCD	8996, PSDTX454M4
491-BF2	TRANSFER FROM 491-BF2 TO 491-3S3 WITH PMCD	8996, PSDTX454M4
491-CH1A	TRANSFER FROM 491-AC1 TO 491-3S1 WITH PMCD	8996, PSDTX454M4
491-CH1B	TRANSFER FROM 491-AC1 TO 491-CV5 WITH APMCD	8996, PSDTX454M4
491-CH2A	TRANSFER FROM 491-AC1 TO 491-3S2 WITH PMCD	8996, PSDTX454M4
491-CH2B	TRANSFER FROM 491-AC1 TO 491-CV6 WITH PMCD	8996, PSDTX454M4
491-CV1A	TRANSFER FROM 491-CV1 TO 491-AC1	8996, PSDTX454M4
491-CV1B	TRANSFER FROM 491-CV1 TO 491-AC2	8996, PSDTX454M4
491-CV3	TRANSFER FROM 491-CV3 TO 491-CV1	8996, PSDTX454M4
491-CV4	TRANSFER FROM 491-CV4 TO 491-CV1	8996, PSDTX454M4
491-CV5A	TRANSFER FROM 491-CV5 TO 491-3S7 WITH PMCD	8996, PSDTX454M4
491-CV5B	TRANSFER FROM 491-CV5 TO 491-3S4 WITH PMCD	8996, PSDTX454M4
491-CV5C	TRANSFER FROM 491-CV5 TO 491-3S6 WITH PMCD	8996, PSDTX454M4
491-CV5D	TRANSFER FROM 491-CV5 TO 491-3S3 WITH PMCD	8996, PSDTX454M4
491-CV6A	TRANSFER FROM 491-CV6 TO 491-3S6 WITH PMCD	8996, PSDTX454M4
491-CV6B	TRANSFER FROM 491-CV6 TO 491-3S8 WITH PMCD	8996, PSDTX454M4

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-CV6C	TRANSFER FROM 491-CV6 TO 491-3S3 WITH PMCD	8996, PSDTX454M4
491-CV6D	TRANSFER FROM 491-CV6 TO 491-3S5 WITH PMCD	8996, PSDTX454M4
491-HP1A	TRANSFER FROM 491-HP1 TO 491-BC1	8996, PSDTX454M4
491-HP1B	LINE 1 OUTSIDE CLINKER HOPPER	8996, PSDTX454M4
491-SC1	TRANSFER FROM 491-SC1 TO 491-SC4	8996, PSDTX454M4
491-SC2	TRANSFER FROM 491-SC2 TO 491-SC1	8996, PSDTX454M4
491-SC3	TRANSFER FROM 491-SC3 TO 491-SC1	8996, PSDTX454M4
491-SC4	TRANSFER FROM 491-SC4 TO 491-SC5	8996, PSDTX454M4
491-SC5	TRANSFER FROM 491-SC5 TO 491-CV1	8996, PSDTX454M4
491-SC7	TRANSFER FROM 491-SC7 TO 491-SC1	8996, PSDTX454M4
492-3S1	LINE 2 CLINKER SILO	8996, PSDTX454M4
492-3S2	LINE 2 CLINKER SILO	8996, PSDTX454M4
492-AC2A	TRANSFER FROM 492-AC2 TO 491-CV5 WITH PMCD	8996, PSDTX454M4
492-AC2B	TRANSFER FROM 492-AC2 TO 491-CV6 WITH PMCD	8996, PSDTX454M4
492-CH10	TRANSFER FROM 492-AC1 TO 492-3S2 WITH PMCD	8996, PSDTX454M4
492-CH11	TRANSFER FROM 492-AC1 TO 492-AC3 WITH PMCD	8996, PSDTX454M4
492-CH12	TRANSFER FROM 492-AC3 TO 492-3S1 WITH PMCD	8996, PSDTX454M4
492-CH13	TRANSFER FROM 492-BF2 TO 492-3S2 WITH PMCD	8996, PSDTX454M4

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-CH2	TRANSFER FROM 472-GQ1 TO 492-AC1	8996, PSDTX454M4
492-CH3	TRANSFER FROM 472-CN1 TO 492-CV1 WITH PMCD	8996, PSDTX454M4
492-CH4	TRANSFER FROM 492-CV1 TO 492-CV2 WITH PMCD	8996, PSDTX454M4
492-CH5	TRANSFER FROM 492-CV2 TO 492-AC1 WITH PMCD	8996, PSDTX454M4
492-CH6	TRANSFER FROM 492-BF1 TO 492-AC1	8996, PSDTX454M4
492-CH8	TRANSFER FROM 492-AC1 TO 492-AC2 WITH PMCD	8996, PSDTX454M4
4A1-3B1A	TRANSFER FROM 4A1-3S1 TO 4A1-SG3	8996, PSDTX454M4
4A1-3B1B	TRANSFER FROM 4A1-3B1 TO 4A1-RF1	8996, PSDTX454M4
4A1-3B1C	LINE 1 BYPASS DUST BIN	8996, PSDTX454M4
4A1-BE1	TRANSFER FROM 4A1-BE1 TO 4A1-3B1 WITH PMCD	8996, PSDTX454M4
4A1-BF4	TRANSFER FROM 4A1-BF4 TO 4A1-3B1 WITH PMCD	8996, PSDTX454M4
4A1-CT1	TRANSFER FROM 4A1-CT1 TO 4A1-SC1	8996, PSDTX454M4
4A1-LS1	TRANSFER FROM 4A1-LS1 TO TRUCK	8996, PSDTX454M4
4A1-LS2	TRANSFER 4A1-3B1 TO TRUCK	8996, PSDTX454M4
4A1-RF1	TRANSFER FROM 4A1-RF1 TO 4A1-SC7	8996, PSDTX454M4
4A1-SC1	TRANSFER FROM 4A1-SC1 TO 4A1-SC2	8996, PSDTX454M4
4A1-SC2	TRANSFER FROM 4A1-SC2 TO 4A1-SC4	8996, PSDTX454M4
4A1-SC3	TRANSFER FROM 4A1-SC3 TO 4A1-SC5	8996, PSDTX454M4

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-SC4	TRANSFER FROM 4A1-SC4 TO 4A1-SC5	8996, PSDTX454M4
4A1-SC5	TRANSFER FROM 4A1-SC5 TO 4A1-SC6	8996, PSDTX454M4
4A1-SC6	TRANSFER FROM 4A1-SC6 TO 4A1-BE1	8996, PSDTX454M4
4A1-SC7	TRANSFER FROM 4A1-SC7 TO 4A1-MX1 WITH PMCD	8996, PSDTX454M4
4A1-SCA	TRANSFER FROM 4A1-BF1 TO 4A1-SC3 WITH PMCD	8996, PSDTX454M4
4A1-SCB	TRANSFER FROM 4A1-BF1 TO 4A1-SC3 WITH PMCD	8996, PSDTX454M4
4A1-SCC	TRANSFER FROM 4A1-BF1 TO 4A1-SC3 WITH PMCD	8996, PSDTX454M4
4A1-SCD	TRANSFER FROM 4A1-BF1 TO 4A1-SC4 WITH PMCD	8996, PSDTX454M4
4A1-SCE	TRANSFER FROM 4A1-BF1 TO 4A1-SC4 WITH PMCD	8996, PSDTX454M4
4A1-SCF	TRANSFER FROM 4A1-BF1 TO 4A1-SC4 WITH PMCD	8996, PSDTX454M4
4A1-SCG	TRANSFER FROM 4A1-BF1 TO 4A1-SC4 WITH PMCD	8996, PSDTX454M4
4A1-SG1	TRANSFER FROM 4A1-SC1 TO TRUCK	8996, PSDTX454M4
4A1-WE1	TRANSFER FROM 4A1-WE1 TO 4A1-MX1 WITH PMCD	8996, PSDTX454M4
4A2-BF1A	TRANSFER FROM 4A2-BF1 TO 4A2-SC1--SC3	8996, PSDTX454M4
4A2-BF1B	TRANSFER FROM 4A2-BF1 TO 4A2-SC4--SC6	8996, PSDTX454M4
4A2-BF1C	TRANSFER FROM 4A2-BF1 TO 4A2-SC9	8996, PSDTX454M4
4A2-CH9	TRANSFER FROM 4A2-SCA TO 4A2-PC2	8996, PSDTX454M4
4A2-PC1	TRANSFER FROM 4A2-PC1 TO 4A1-3B1	8996, PSDTX454M4

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-SC1--SC3	TRANSFER FROM 4A2-SC1--SC3 TO 4A2-SC8	8996, PSDTX454M4
4A2-SC4--SC6	TRANSFER FROM 4A2-SC4--SC6 TO 4A2-SC7	8996, PSDTX454M4
4A2-SC7	TRANSFER FROM 4A2-SC7 TO 4A2-SCA	8996, PSDTX454M4
4A2-SC8	TRANSFER FROM 4A2-SC8 TO 4A2-SCA	8996, PSDTX454M4
4A2-SC9	TRANSFER FROM 4A2-SC9 TO 4A2-SCA	8996, PSDTX454M4
521-3S1	LINE 1 GYPSUM SILO	8996, PSDTX454M4
521-BC1	TRANSFER FROM 521-BC1 TO 521-BC2	8996, PSDTX454M4
521-BC2A	TRANSFER FROM 521-BC2 TO 521-3S1 WITH PMCD	8996, PSDTX454M4
521-BC2B	TRANSFER FROM 521-BC2 TO 521-BC3 WITH PMCD	8996, PSDTX454M4
521-BC3A	TRANSFER FROM 521-BC3 TO T21-BC1 WITH PMCD	8996, PSDTX454M4
521-BC3B	TRANSFER FROM 521-BC3 TO T22-3B1 WITH PMCD	8996, PSDTX454M4
521-BF1	TRANSFER FROM 521-BF1 TO 521-3S1 WITH PMCD	8996, PSDTX454M4
521-BF2	TRANSFER FROM 521-BF2 TO 531-BC1 WITH PMCD	8996, PSDTX454M4
521-BF6	TRANSFER FROM 521-BF6 TO 521-WF6 WITH PMCD	8996, PSDTX454M4
521-HP1A	TRANSFER FROM 521-HP1 TO 521-BC1	8996, PSDTX454M4
521-HP1B	LINE 1 PROCESM HOPPER	8996, PSDTX454M4
521-RF6A	TRANSFER FROM 521-RF6 TO 521-WF6 WITH PMCD	8996, PSDTX454M4
521-RF6B	TRANSFER FROM 491-3S6 TO 521-RF6 WITH PMCD	8996, PSDTX454M4

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-SX1	TRANSFER FROM 521-SX1 TO 531-BC1 WITH PMCD	8996, PSDTX454M4
521-SX6	TRANSFER FROM 521-SX6 TO 531-BC1 WITH PMCD	8996, PSDTX454M4
521-WF1A	TRANSFER FROM 521-3S1 TO 521-WF1 WITH PMCD	8996, PSDTX454M4
521-WF1B	TRANSFER FROM 521-WF1 TO 531-BC1 WITH PMCD	8996, PSDTX454M4
521-WF6	TRANSFER FROM 521-WF6 TO 531-BC1 WITH PMCD	8996, PSDTX454M4
522-BF1	TRANSFER FROM 522-BF1 TO 522-WF1 WITH PMCD	8996, PSDTX454M4
522-RF6A	TRANSFER FROM 522-RF6 TO 522-WF6	8996, PSDTX454M4
522-RF6B	TRANSFER FROM 491-3S6 TO 522-RF6	8996, PSDTX454M4
522-SC6	TRANSFER FROM 522-SC6 TO 532-BC1	8996, PSDTX454M4
522-SX1	TRANSFER FROM 522-SX1 TO 532-BC1 WITH PMCD	8996, PSDTX454M4
522-SX6	TRANSFER FROM 522-SX6 TO 522-SC6	8996, PSDTX454M4
522-WF1A	TRANSFER FROM 521-3S1 TO 522-WF1 WITH PMCD	8996, PSDTX454M4
522-WF1B	TRANSFER FROM 522-WF1 TO 532-BC1 WITH PMCD	8996, PSDTX454M4
522-WF6	TRANSFER FROM 522-WF6 TO 532-BC1	8996, PSDTX454M4
523-CH1	TRANSFER FROM 521-BC3 TO 523-BC1 WITH PMCD	8996, PSDTX454M4
523-CH2	TRANSFER FROM 523-BC1 TO 523-BC2	8996, PSDTX454M4
523-CH3	TRANSFER FROM 523-BC2 TO 523-3S1 WITH PMCD	8996, PSDTX454M4
523-CH4	TRANSFER FROM 523-BC2 TO T23-3S1	8996, PSDTX454M4

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-CH5	TRANSFER FROM 523-BF1 TO 523-3S1 WITH PMCD	8996, PSDTX454M4
523-CH6	TRANSFER FROM 523-3S1 TO 523-WF1	8996, PSDTX454M4
523-CH8	TRANSFER FROM 523-WF1 TO 533-BC2	8996, PSDTX454M4
531-BC1	TRANSFER FROM 531-BC1 TO 561-BM1 WITH PMCD	8996, PSDTX454M4
531-BF1	TRANSFER FROM 531-BF1 TO 531-WF1 WITH PMCD	8996, PSDTX454M4
531-BF4	TRANSFER FROM 531-BF4 TO 531-WF4 WITH PMCD	8996, PSDTX454M4
531-BF7	TRANSFER FROM 531-BF7 TO 531-WF7 WITH PMCD	8996, PSDTX454M4
531-WF1A	TRANSFER FROM 491-3S1 TO 531-WF1 WITH PMCD	8996, PSDTX454M4
531-WF1B	TRANSFER FROM 531-WF1 TO 531-BC1 WITH PMCD	8996, PSDTX454M4
531-WF4A	TRANSFER FROM 491-3S4 TO 531-WF4 WITH PMCD	8996, PSDTX454M4
531-WF4B	TRANSFER FROM 531-WF4 TO 531-BC1 WITH PMCD	8996, PSDTX454M4
531-WF7A	TRANSFER FROM 491-3S7 TO 531-WF7 WITH PMCD	8996, PSDTX454M4
531-WF7B	TRANSFER FROM 531-WF7 TO 531-BC1 WITH PMCD	8996, PSDTX454M4
532-BC1	TRANSFER FROM 532-BC1 TO 562-BM1 WITH PMCD	8996, PSDTX454M4
532-BF2	TRANSFER FROM 532-BF2 TO 532-WF2 WITH PMCD	8996, PSDTX454M4
532-BF3	TRANSFER FROM 532-BF3 TO 532-WF3 WITH PMCD	8996, PSDTX454M4
532-BF5	TRANSFER FROM 532-BF5 TO 532-WF5 WITH PMCD	8996, PSDTX454M4
532-BF8	TRANSFER FROM 532-BF8 TO 532-WF8 WITH PMCD	8996, PSDTX454M4

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-SX3A	TRANSFER FROM 532-SX3 TO 532-BC1	8996, PSDTX454M4
532-SX3B	TRANSFER FROM 532-SX3 TO 532-BC1 WITH PMCD	8996, PSDTX454M4
532-WF2A	TRANSFER FROM 491-3S2 TO 532-WF2 WITH PMCD	8996, PSDTX454M4
532-WF2B	TRANSFER FROM 532-WF2 TO 532-BC1 WITH PMCD	8996, PSDTX454M4
532-WF3A	TRANSFER FROM 491-3S3 TO 532-WF3 WITH PMCD	8996, PSDTX454M4
532-WF3B	TRANSFER FROM 532-WF3 TO 532-BC1 WITH PMCD	8996, PSDTX454M4
532-WF5A	TRANSFER FROM 491-3S5 TO 532-WF5 WITH PMCD	8996, PSDTX454M4
532-WF5B	TRANSFER FROM 532-WF5 TO 532-BC1 WITH PMCD	8996, PSDTX454M4
532-WF8A	TRANSFER FROM 491-3S8 TO 532-WF8 WITH PMCD	8996, PSDTX454M4
532-WF8B	TRANSFER FROM 532-WF8 TO 532-BC1 WITH PMCD	8996, PSDTX454M4
533-BF1	TRANSFER FROM 533-BF1 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-BF2	TRANSFER FROM 533-BF2 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-BF3	TRANSFER FROM 533-BF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-BF4	TRANSFER FROM 533-BF4 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-CH10	TRANSFER FROM 533-BF5 TO 533-BC2 WITH PMCD	8996, PSDTX454M4
533-CH1	TRANSFER FROM 492-3S1 TO 533-WF1 WITH PMCD	8996, PSDTX454M4
533-CH2	TRANSFER FROM 533-WF1 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-CH3	TRANSFER FROM 492-3S1 TO 533-WF2 WITH PMCD	8996, PSDTX454M4

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-CH4	TRANSFER FROM 533-WF2 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-CH5A	TRANSFER FROM 563-AS3 TO 563-FM1	8996, PSDTX454M4
533-CH5B	TRANSFER FROM 492-3S2 TO 533-WF3 WITH PMCD	8996, PSDTX454M4
533-CH6A	TRANSFER FROM 563-FM1 TO 563-BM1	8996, PSDTX454M4
533-CH6B	TRANSFER FROM 533-WF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-CH7A	TRANSFER FROM 533-BC2 TO 563-BM1	8996, PSDTX454M4
533-CH7B	TRANSFER FROM 533-WF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-CH8	TRANSFER FROM 533-WF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
533-CH9	TRANSFER FROM 533-WF3 TO 533-BC1 WITH PMCD	8996, PSDTX454M4
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, PSDTX454M4
561-AS3	TRANSFER FROM 561-AS3 TO 561-SR1 WITH PMCD	8996, PSDTX454M4
561-AS6	TRANSFER FROM 561-AS6 TO 561-BM1 WITH PMCD	8996, PSDTX454M4
561-BE1	TRANSFER FROM 561-BE1 TO 561-AS2 WITH PMCD	8996, PSDTX454M4
561-BF1	TRANSFER FROM 561-BF1 TO 591-ASA WITH PMCD	8996, PSDTX454M4
561-BM1A	TRANSFER FROM 561-BM1 TO 561-AS1 WITH PMCD	8996, PSDTX454M4
561-BM1B	TRANSFER FROM 561-BM1 TO 561-SR1 WITH PMCD	8996, PSDTX454M4
561-BM1C	LINE 1 FINISH MILL 1	8996, PSDTX454M4

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-SR1A	TRANSFER FROM 561-SR1 TO 561-AS4 WITH PMCD	8996, PSDTX454M4
561-SR1B	TRANSFER FROM 561-SR1 TO 561-BF1 WITH PMCD	8996, PSDTX454M4
562-AS1	TRANSFER FROM 562-AS1 TO 562-BE1 WITH PMCD	8996, PSDTX454M4
562-AS3	TRANSFER FROM 562-AS3 TO 562-SR1 WITH PMCD	8996, PSDTX454M4
562-AS6	TRANSFER FROM 562-AS6 TO 562-BM1 WITH PMCD	8996, PSDTX454M4
562-BE1	TRANSFER FROM 562-BE1 TO 562-AS2 WITH PMCD	8996, PSDTX454M4
562-BF1	TRANSFER FROM 562-BF1 TO 592-ASA WITH PMCD	8996, PSDTX454M4
562-BM1A	TRANSFER FROM 562-BM1 TO 562-AS1 WITH PMCD	8996, PSDTX454M4
562-BM1B	TRANSFER FROM 562-BM1 TO 562-SR1 WITH PMCD	8996, PSDTX454M4
562-BM1C	LINE 1 FINISH MILL 2	8996, PSDTX454M4
562-SR1A	TRANSFER FROM 562-SR1 TO 562-AS4 WITH PMCD	8996, PSDTX454M4
562-SR1B	TRANSFER FROM 562-SR1 TO 562-BF1 WITH PMCD	8996, PSDTX454M4
563-AS1	TRANSFER FROM 563-AS1 TO 563-BE1	8996, PSDTX454M4
563-BF1A	TRANSFER FROM 563-BF1 TO 593-AS1	8996, PSDTX454M4
563-BF1B	TRANSFER FROM 563-BF1 TO 593-AS2	8996, PSDTX454M4
563-BF2	TRANSFER FROM 563-BF2 TO 563-SC1	8996, PSDTX454M4
563-BM1A	TRANSFER FROM 563-BM1 TO 563-AS1	8996, PSDTX454M4
563-BM1	LINE 2 CEMENT MILL	8996, PSDTX454M4

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-CH2	TRANSFER FROM 563-BE1 TO 563-AS2 WITH PMCD	8996, PSDTX454M4
563-CH3A	TRANSFER FROM 563-AS2 TO 563-BE1	8996, PSDTX454M4
563-CH3B	TRANSFER FROM 563-SR1 TO 563-AS3	8996, PSDTX454M4
563-CH4	TRANSFER FROM 563-AS2 TO 563-SR1	8996, PSDTX454M4
563-CH7	TRANSFER FROM 563-SC2 TO 563-BE1	8996, PSDTX454M4
563-RF1	TRANSFER FROM 563-RF1 TO 563-SC2	8996, PSDTX454M4
563-SC1	TRANSFER FROM 563-SC1 TO 563-RF1	8996, PSDTX454M4
591-3S1	LINE 1 CEMENT SILO 1	8996, PSDTX454M4
591-3S2	LINE 1 CEMENT SILO 2	8996, PSDTX454M4
591-3S3	LINE 1 CEMENT INTERSTICE SILO 3	8996, PSDTX454M4
591-3S4	LINE 1 CEMENT SILO 4	8996, PSDTX454M4
591-3S5	LINE 1 CEMENT SILO 5	8996, PSDTX454M4
591-3S6	LINE 1 CEMENT INTERSTICE SILO 6	8996, PSDTX454M4
591-3S7	LINE 1 CEMENT SILO 7	8996, PSDTX454M4
591-3S8	LINE 1 CEMENT SILO 8	8996, PSDTX454M4
591-3SA	TRANSFER FROM 591-3SA TO 61A-AE1	8996, PSDTX454M4
591-3SB	TRANSFER FROM 591-3SB TO 61B-AE1	8996, PSDTX454M4
591-3SC	TRANSFER FROM 591-3SC TO 61C-AE1	8996, PSDTX454M4

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
591-3SD	TRANSFER FROM 591-3SD TO 61D-AE1	8996, PSDTX454M4
591-AS1	TRANSFER FROM 591-AS1 TO 591-3S1	8996, PSDTX454M4
591-AS4	TRANSFER FROM 591-AS4 TO 591-3S4	8996, PSDTX454M4
591-AS5	TRANSFER FROM 591-AS5 TO 591-3S5	8996, PSDTX454M4
591-AS7	TRANSFER FROM 591-AS7 TO 591-3S7	8996, PSDTX454M4
591-AS8A	TRANSFER FROM 591-AS8 TO 591-3S6	8996, PSDTX454M4
591-AS8B	TRANSFER FROM 591-AS8 TO 591-3S8	8996, PSDTX454M4
591-ASA	TRANSFER FROM 591-ASA TO 591-ASC WITH PMCD	8996, PSDTX454M4
591-ASC	TRANSFER FROM 591-ASC TO 591-CQ1 WITH PMCD	8996, PSDTX454M4
591-ASD	TRANSFER FROM 591-ASD TO 590-BE1 WITH PMCD	8996, PSDTX454M4
591-ASE	TRANSFER FROM 591-ASE TO 591-BE1	8996, PSDTX454M4
591-ASF	TRANSFER FROM 591-ASF TO 591-3S3	8996, PSDTX454M4
591-ASH	TRANSFER FROM 591-ASH TO 591-BEA WITH PMCD	8996, PSDTX454M4
591-ASK	TRANSFER FROM 591-ASK TO 591-3SB	8996, PSDTX454M4
591-ASM	TRANSFER FROM 591-ASM TO 591-3SD	8996, PSDTX454M4
591-ASR	TRANSFER FROM 591-ASR TO 591-3SA	8996, PSDTX454M4
591-ASS	TRANSFER FROM 591-ASS TO 591-3SC	8996, PSDTX454M4
591-BE1	TRANSFER FROM 591-BE1 TO 591-ASF WITH PMCD	8996, PSDTX454M4

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-BEA	TRANSFER FROM 591-BEA TO 591-ASJ WITH PMCD	8996, PSDTX454M4
591-BF1	TRANSFER FROM 591-BF1 TO 591-ASE	8996, PSDTX454M4
591-BF2	TRANSFER FROM 591-BF2 TO 591-SC2	8996, PSDTX454M4
591-BF3	TRANSFER FROM 591-BF3 TO 591-SC3	8996, PSDTX454M4
591-BFA	TRANSFER FROM 591-BFA TO 591-3SA	8996, PSDTX454M4
591-BFB	TRANSFER FROM 591-BFB TO 591-3SB	8996, PSDTX454M4
591-CH23	TRANSFER FROM 590-BF4 TO 591-3S2	8996, PSDTX454M4
591-CH3	TRANSFER FROM 591-BF1 TO 591-ASE	8996, PSDTX454M4
591-CQ1A	TRANSFER FROM 591-CQ1 TO BARRELS	8996, PSDTX454M4
591-CQ1B	TRANSFER FROM 591-CQ1 TO 561-SR1 WITH PMCD	8996, PSDTX454M4
591-SC2	TRANSFER FROM 591-SC2 TO 591-3S1	8996, PSDTX454M4
591-SC3	TRANSFER FROM 591-SC3 TO 591-3S7	8996, PSDTX454M4
591-SM1	TRANSFER FROM 591-CQ1 TO 591-ASD WITH PMCD	8996, PSDTX454M4
592-ASB	FM2 EXHAUST BAGFILTER DISCHARGE AIRSLIDE	8996, PSDTX454M4
592-ASC	TRANSFER FROM 592-ASC TO 592-CQ1 WITH PMCD	8996, PSDTX454M4
592-ASD	TRANSFER FROM 592-ASD TO 590-BE1 WITH PMCD	8996, PSDTX454M4
592-CQ1A	TRANSFER FROM 592-CQ1 TO BARRELS	8996, PSDTX454M4
592-CQ1B	TRANSFER FROM 591-CQ1 TO BARRELS WITH PMCD	8996, PSDTX454M4

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
592-SM1	TRANSFER FROM 592-CQ1 TO 592-ASD WITH PMCD	8996, PSDTX454M4
593-AS1	TRANSFER FROM 593-AS1 TO 593-RF1	8996, PSDTX454M4
593-AS2	TRANSFER FROM 593-AS2 TO 593-RF2	8996, PSDTX454M4
593-AS4	FM ₃ PRODUCT BUCKET ELEVATOR DISCHARGE AIRSLIDE	8996, PSDTX454M4
593-CH1	TRANSFER FROM 593-AS3 TO 593-BE1	8996, PSDTX454M4
593-CH2	TRANSFER FROM 593-AS3 TO 593-CQ1	8996, PSDTX454M4
593-CH3	TRANSFER FROM 593-BF1 TO 593-AS3	8996, PSDTX454M4
593-CH4	TRANSFER FROM 593-BE1 TO 593-AS4 WITH PMCD	8996, PSDTX454M4
593-CH5	TRANSFER FROM 593-CQ1 TO 593-BE1	8996, PSDTX454M4
593-RF1	TRANSFER FROM 593-RF1 TO 593-AS3	8996, PSDTX454M4
593-RF2	TRANSFER FROM 593-RF2 TO 593-AS3	8996, PSDTX454M4
59A-AS1	CMT XFER- 590-BE1 DISCH AIRSLIDE	8996, PSDTX454M4
59A-AS2	CMT XFER- 590-BE1 DISCH 2ND AIRSLIDE N-S	8996, PSDTX454M4
59A-AS3	CMT XFER- 590-BE3 FEED AIRSLIDE	8996, PSDTX454M4
59A-AS4	CMT XFER- N ELEV FEED AIRSLIDE FROM MW2	8996, PSDTX454M4
59A-AS5	CMT XFER- 590-BE3 DISCH AIRSLIDE	8996, PSDTX454M4
59A-AS6	CMT XFER- 590-AS7 FD AIRSLIDE	8996, PSDTX454M4
59A-AS7	CMT XFER- CEMENT SILO 1 FEED AIRSLIDE	8996, PSDTX454M4

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-AS8	CMT XFER- CEMENT SILO 2 OR 5 FD AIRSLIDE	8996, PSDTX454M4
59A-BE1	FM 1&2 PRODUCT ELEVATOR BAG FILTER	8996, PSDTX454M4
59A-BE3	CMT XFER- SOUTH BUCKET ELEVATOR	8996, PSDTX454M4
59A-BEA	CMT XFER- SILO A-D BUCKET ELEVATOR	8996, PSDTX454M4
59A-BF1	FM 1&2 PRODUCT ELEVATOR BAG FILTER	8996, PSDTX454M4
59A-BF3	CMT XFER- S-ELEVATOR BOOT BAG FILTER	8996, PSDTX454M4
59A-BF4	CMT XFER- S-ELEVATOR DISCH BAG FILTER	8996, PSDTX454M4
59A-BFA	CEMENT SILO A-D BAG FILTER ON SILO A	8996, PSDTX454M4
59A-BFB	CEMENT SILO A-D BAG FILTER ON SILO D	8996, PSDTX454M4
59A-MW1	CMT XFER- DEVERTER GATE 590-AS1 DISCH	8996, PSDTX454M4
59A-MW2	CMT XFER- DIVERTER GATE 590-AS3 DISCH	8996, PSDTX454M4
59A-MW3	CMT XFER DIVERTER GATE 590-AS5 DISCH	8996, PSDTX454M4
59A-MW4	CMT XFER DIVERTER GATE 590-AS6 DISCH	8996, PSDTX454M4
59A-MW5	CMT XFER- DIVERTER GATE 590-AS8 DISCH	8996, PSDTX454M4
611-AS1	CEMENT SILO 1 AIRSLIDE	8996, PSDTX454M4
611-AS2	CEMENT SILO 1 DISTRIBUTION AIRSLIDE	8996, PSDTX454M4
611-BF1	CEMENT SILO 1 DUST COLLECTOR	8996, PSDTX454M4
612-AS1	CEMENT SILO 2 AIRSLIDE	8996, PSDTX454M4

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-BF1	CEMENT SILO 2 DUST COLLECTOR	8996, PSDTX454M4
612-DB1	CEMENT SILO 2 LEVEL BOX	8996, PSDTX454M4
613-AS1	CEMENT SILO 3 AIRSLIDE	8996, PSDTX454M4
614-AS1	CEMENT SILO 4 AIRSLIDE	8996, PSDTX454M4
614-AS2	CEMENT SILO 4 DISTRIBUTION AIRSLIDE	8996, PSDTX454M4
614-BF1	CEMENT SILO 4 DUST COLLECTOR	8996, PSDTX454M4
615-AS1	CEMENT SILO 5 AIRSLIDE	8996, PSDTX454M4
615-BF1	CEMENT SILO 5 DISTRIBUTION AIRSLIDE	8996, PSDTX454M4
615-DB1	CEMENT SILO 5 DUST COLLECTOR	8996, PSDTX454M4
616-AS1	CEMENT SILO 6 AIRSLIDE	8996, PSDTX454M4
616-RF1	CEMENT SILO 6 ROTARY FEEDER	8996, PSDTX454M4
617-AS1	CEMENT SILO 7 AIRSLIDE	8996, PSDTX454M4
617-AS2	CEMENT SILO 7 DISTRIBUTION AIRSLIDE	8996, PSDTX454M4
617-BF1	CEMENT SILO 7 DUST COLLECTOR	8996, PSDTX454M4
618-AS1	CEMENT SILO 8 AIRSLIDE	8996, PSDTX454M4
618-BF1	CEMENT SILO 8 DUST COLLECTOR	8996, PSDTX454M4
618-DB1	CEMENT SILO 8 LEVEL BOX	8996, PSDTX454M4
62*	LINE 2 MAIN, BYPASS, AND COAL MILL BAGHOUSES	8996, PSDTX454M4

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-AS1	LOADOUT AIRSLIDE FROM SILO 1 TO BAY 1	8996, PSDTX454M4
621-AS2	LOADOUT AIRSLIDE FROM SILO 2 TO BAY 1	8996, PSDTX454M4
621-AS3	LOADOUT AIRSLIDE FROM SILO 3 TO BAY 2	8996, PSDTX454M4
621-AS5	LOADOUT AIRSLIDE FROM SILO 5 TO BAY 2	8996, PSDTX454M4
621-LA1	CEMENT LOADOUT TO TRUCKS- BAY 1 SPOUT	8996, PSDTX454M4
622-AS1	LOADOUT AIRSLIDE FROM SILO 1 TO BAY 2	8996, PSDTX454M4
622-AS2	LOADOUT AIRSLIDE FROM SILO 2 TO BAY 2	8996, PSDTX454M4
622-AS3	LOADOUT AIRSLIDE FROM SILO 3 TO BAY 2	8996, PSDTX454M4
622-AS4	LOADOUT AIRSLIDE FROM SILO 4 TO BAY 2	8996, PSDTX454M4
622-AS5	LOADOUT AIRSLIDE FROM SILO 5 TO BAY 2	8996, PSDTX454M4
622-AS6	LOADOUT AIRSLIDE FROM SILO 6 TO BAY 2	8996, PSDTX454M4
622-AS7	LOADOUT AIRSLIDE FROM SILO 7 TO BAY 2	8996, PSDTX454M4
622-AS8	LOADOUT AIRSLIDE FROM SILO 8 TO BAY 2	8996, PSDTX454M4
622-AS9	LOADOUT AIRSLIDE - 622-AS7 TO 622-DB1	8996, PSDTX454M4
622-LA1	CEMENT LOADOUT TO TRUCKS- BAY 2 SPOUT	8996, PSDTX454M4
627-AS1	LOADOUT AIRSLIDE 1 TO BAY 7	8996, PSDTX454M4
627-AS3	LOADOUT AIRSLIDE 2 TO BAY 7	8996, PSDTX454M4
627-LA1.1BF	SHIPPING BAY 7 LOADOUT SPOUT BAG FILTER	8996, PSDTX454M4

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
627-LA1	SHIPPING BAY 7 LOADOUT SPOUT	8996, PSDTX454M4
628-AS2	LOADOUT AIRSLIDE 1 TO BAY 8	8996, PSDTX454M4
628-AS4	LOADOUT AIRSLIDE 2 TO BAY 8	8996, PSDTX454M4
628-LA2.1BF	SHIPPING BAY 8 LOADOUT SPOUT BAG FILTER	8996, PSDTX454M4
628-LA2	SHIPPING BAY 8 LOADOUT SPOUT	8996, PSDTX454M4
62A-PI1	CEMENT TRUCK BLOW-OFF PIPING	8996, PSDTX454M4
633-AS4	LOADOUT AIRSLIDE FROM SILO 4 TO BAY 3	8996, PSDTX454M4
633-AS5	LOADOUT AIRSLIDE FROM SILO 5 TO BAY 3	8996, PSDTX454M4
633-AS6	LOADOUT AIRSLIDE FROM SILO 6 TO BAY 3	8996, PSDTX454M4
633-AS7	LOADOUT AIRSLIDE FROM SILO 7 TO BAY 3	8996, PSDTX454M4
633-AS8	LOADOUT AIRSLIDE FROM SILO 8 TO BAY 3	8996, PSDTX454M4
633-DB1	CEMENT JUNCTION BOX ABOVE BAY 3 LOADOUT	8996, PSDTX454M4
633-LA1	CEMENT LOADOUT TO RAIL - BAY 3 SPOUT	8996, PSDTX454M4
634-AS1	LOADOUT AIRSLIDE FROM SILO 7 TO BAY 4	8996, PSDTX454M4
634-AS2	LOADOUT AIRSLIDE FROM SILO 8 TO BAY 4	8996, PSDTX454M4
634-AS3	LOADOUT COLL A/S TO BAY 4 - SILO 7&8	8996, PSDTX454M4
634-LA1.1BF	SHIPPING BAY 4 LOADOUT SPOUT BAG FILTER	8996, PSDTX454M4
634-LA1	SHIPPING BAY 4 LOADOUT SPOUT	8996, PSDTX454M4

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-ASA	AIRSLIDE FROM SILO A TO 651-DB3	8996, PSDTX454M4
635-ASB	AIRSLIDE FROM SILO B TO 651-DB3	8996, PSDTX454M4
635-ASC	AIRSLIDE FROM SILO C TO 651-DBC	8996, PSDTX454M4
635-ASD	AIRSLIDE FROM 651-DBD TO 651-DBI	8996, PSDTX454M4
635-ASE	AIRSLIDE FROM 651-DBC TO 651-DBI	8996, PSDTX454M4
635-ASF	AIRSLIDE FROM 651-DBD TO 651-DBI	8996, PSDTX454M4
635-ASG	AIRSLIDE FROM 651-DBI TO 651-LA1	8996, PSDTX454M4
635-ASH	AIRSLIDE FROM 651-DBI TO 651-LA2	8996, PSDTX454M4
635-BF1	NORTH RAIL LOADING BAG FILTER	8996, PSDTX454M4
635-BF2	SOUTH RAIL LOADING BAG FILTER	8996, PSDTX454M4
635-DB1	DIVERSION FEEDING LOADOUTS	8996, PSDTX454M4
635-DBC	DIVERSION BIN FROM SILO C	8996, PSDTX454M4
635-DBD	DIVERSION BIN FROM SILO D	8996, PSDTX454M4
635-LA1	NORTH RAIL LOADOUT SPOUT	8996, PSDTX454M4
635-LA2	SOUTH RAIL LOADOUT SPOUT	8996, PSDTX454M4
66*	LINE 2 SKS AND CEMENT MILL BAGHOUSES	8996, PSDTX454M4
6E1-AS1	CEMENT UNLOADING AIRSLIDE	8996, PSDTX454M4
6E1-AS2	UNLOADING AIRSLIDE FROM AS5 TO SILO 7	8996, PSDTX454M4

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-AS3	UNLOAD A/S CONNECTING AS1 AND AS5	8996, PSDTX454M4
6E1-AS4	CEMENT UNLOADING AIRSLIDE TO SILO 4	8996, PSDTX454M4
6E1-AS5	UNLOAD A/S CONNECTING AS3 TO AS6	8996, PSDTX454M4
6E1-AS6	CEMENT UNLOADING AIRSLIDE TO SILO 5	8996, PSDTX454M4
6E1-BC1	CEMENT UNLOADING DRAG CONVEYOR	8996, PSDTX454M4
6E1-BE1	CEMENT UNLOADING ELEVATOR	8996, PSDTX454M4
6E1-BF1	CEMENT UNLOADING DUST COLLECTOR	8996, PSDTX454M4
7*	LINE 1 MAIN & BYPASS BAGHOUSE	8996, PSDTX454M4
7*	LINE 1 MAIN 7 BYPASS BAGHOUSE	8996, PSDTX454M4
75A*	PRIMARY (LOWER BENCH) LIMESTONE CRUSHER	8996, PSDTX454M4
75C*	LIMESTONE SCREEN	106.261/11/01/2003
BC-1	PRIMARY (LOWER BENCH) LIMESTONE BELT CONVEYOR NO 1	8996, PSDTX454M4
BC-2	PRIMARY (LOWER BENCH) LIMESTONE BELT CONVEYOR NO 2	8996, PSDTX454M4
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

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
F20-FT2	VOC UNLOADING TO F20-FT2	106.472/09/04/2000
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, PSDTX454M4
L11-AF1	COAL RAIL UNLOADING FEEDER	8996, PSDTX454M4
L11-AF1	TRANSFER FROM L11-AF1 TO L11-BC1	8996, PSDTX454M4
L11-BC1	COAL UNLOADING TRANSFER BELT CONVEYOR	8996, PSDTX454M4
L11-BC1	TRANSFER FROM L11-BC1 TO L11-MW1	8996, PSDTX454M4
L11-BC2	COAL STACKER BELT CONVEYOR	8996, PSDTX454M4
L11-BC3	COAL RECLAIM BELT CONVEYOR	8996, PSDTX454M4
L11-BC4	COAL BELT TO TOWER BELT CONVEYOR	8996, PSDTX454M4
L11-BC5	COAL BELT SILO CONVEYOR	8996, PSDTX454M4
L11-BC9	SOLID FUEL CONVEYOR	106.261/11/01/2003
L11-HP1A	TRANSFER FROM L11-HP1 TO L11-AF1	8996, PSDTX454M4

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-HP1B	LINE 1 RAIL UNLOADING HOPPER	8996, PSDTX454M4
L11-HP1	RAIL UNLOADING HOPPER	8996, PSDTX454M4
L11-HP2	COAL RECLAIM HOPPER	8996, PSDTX454M4
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, PSDTX454M4
L11-MW1B	TRANSFER FROM L11-MW1 TO GYPSUM PILE WITH PMCD	8996, PSDTX454M4
L11-RF1	COAL TOWER BF DISCHARGE ROTARY FEEDER	8996, PSDTX454M4
L11-RF3	COAL SILO BF DISCHARGE ROTARY FEEDER	8996, PSDTX454M4
L11-SX1	COAL UNLOADING CLEAN-UP DRAG CONVEYOR	8996, PSDTX454M4
L11-SX1	TRANSFER FROM L11-SX1 TO L11-BC1	8996, PSDTX454M4
L11-VS1	COAL VIBRATING SCREEN	8996, PSDTX454M4
L31-AF1	COAL SILO APRON FEEDER NO. 1	8996, PSDTX454M4
L31-AF2	COAL SILO APRON FEEDER NO. 2	8996, PSDTX454M4
L31-BC1	LINE 1 COAL FEED BELT CONVEYOR NO. 1	8996, PSDTX454M4
L31-BC2	LINE 1 COAL FEED BELT CONVEYOR NO. 2	8996, PSDTX454M4
L31-RF1	LINE 1 FLASH FURNACE CM ROTARY AIRLOCK	8996, PSDTX454M4
L31-RF2	LINE 1 KILN COAL MILL ROTARY AIRLOCK	8996, PSDTX454M4

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-SX1	LINE 1 COAL CLEAN-UP DRAG CONVEYOR NO. 1	8996, PSDTX454M4
L31-SX2	LINE 1 COAL CLEAN-UP DRAG CONVEYOR NO. 2	8996, PSDTX454M4
L32-BC1	LINE 2 COAL MILL FEED BELT CONVEYOR	8996, PSDTX454M4
L32-RF1	LINE 2 COAL MILL FEED AIRLOCK	8996, PSDTX454M4
L32-SX1	LINE 2 COAL CLEAN-UP DRAG CONVEYOR	8996, PSDTX454M4
L32-WF1	LINE 2 RAW COAL WEIGH FEEDER	8996, PSDTX454M4
L91- RF2	LINE 1 KILN BURNER ROTARY AIRLOCK	8996, PSDTX454M4
L91-RF2	TRANSFER FROM L91-CN2 TO L91-DU2	8996, PSDTX454M4
L92-FB1	LINE 2 PULVERIZED COAL BIN	8996, PSDTX454M4
L92-RF1	LINE 2 CM BAGHOUSE ROTARY FEEDER	8996, PSDTX454M4
L92-RF2	LINE 2 ROTARY FEEDER TO KILN COAL FEEDER	8996, PSDTX454M4
L92-SC1	LINE 2 COAL BAGHOUSE SCREW CONVEYOR NO. 1	8996, PSDTX454M4
L92-SC2	LINE 2 COAL BAGHOUSE SCREW CONVEYOR NO. 2	8996, PSDTX454M4
L92-WF1	LINE 2 KILN COAL FEEDER	8996, PSDTX454M4
L92-WF2	LINE 2 PYROCLON COAL FEEDER	8996, PSDTX454M4
L92-WF3	LINE 2 LOW NOX COAL FEEDER	8996, PSDTX454M4
LL1(1)	PRIMARY (UPPER BENCH) LIMESTONE LOCAL LINK NO. 1	8996, PSDTX454M4
LL1(2)	PRIMARY (LOWER BENCH) LIMESTONE LOCAL LINK NO. 1	8996, PSDTX454M4

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(1)	PRIMARY (UPPER BENCH) LIMESTONE LOCAL LINK NO. 2	8996, PSDTX454M4
LL2(2)	PRIMARY (LOWER BENCH) LIMESTONE LOCAL LINK NO. 2	8996, PSDTX454M4
LSS	LIMESTONE SCREENING SYSTEM	8996, PSDTX454M4
LT-140(1)	PRIM(UP BENCH) LIMESTNE CRSHR DSCHRG BELT CONVEYR	8996, PSDTX454M4
LT-140(2)	PRIM(LOWER BENCH) LMESTNE CRSHR DISCHG BLT CONVEYR	8996, PSDTX454M4
MAINTPW	MAINTENANCE SHOP COLD SOLVENT CLEANER	106.454/11/01/2001
P31-AS1A	TRANSFER FROM P31-AS1 TO P31-RF1	8996, PSDTX454M4
P31-AS1B	TRANSFER FROM P31-FB1 TO P31-AS1	8996, PSDTX454M4
P31-FB1	LINE 1 SCRUBBER REAGENT BIN	8996, PSDTX454M4
P31-RF1	TRANSFER FROM P31-RF1 TO P31-SC1	8996, PSDTX454M4
P31-SC1	TRANSFER FROM P31-SC3 TO P41-SA1	8996, PSDTX454M4
P32-AS1	TRANSFER FROM P32-AS1 TO P32-SC1	8996, PSDTX454M4
P32-FB1	TRANSFER FROM 392-FB1 TO P32-AS1	8996, PSDTX454M4
P32-SC1	TRANSFER FROM P32-SC1 TO P32-SC2	8996, PSDTX454M4
P71-VB1	TRANSFER FROM P71-VB1 TO P91-BC1	8996, PSDTX454M4
P71-VB2	TRANSFER FROM P71-VB2 TO P91-BC1	8996, PSDTX454M4
P91-BC1	TRANSFER FROM P91-BC1 TO GYPSUM PILE	8996, PSDTX454M4
PONDPUMP	EMERGENCY POND 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
QWPUMP	QUARRY WATER PUMP ENGINE	106.511/09/04/2000
T21-3B1	LINE 1 PROCES SILO	8996, PSDTX454M4
T21-BC1	TRANSFER FROM T21-BC1 TO T21-3B1	8996, PSDTX454M4
T22-3B1	LINE 2 PROCES SILO	8996, PSDTX454M4
T23-3S1	SLAG STORAGE BIN	8996, PSDTX454M4
T23-CH1	TRANSFER FROM T23-3S1 TO T23-WF1	8996, PSDTX454M4
T23-CH2	TRANSFER FROM T23-WF1 TO 533-BC2	8996, PSDTX454M4
T31-WF1A	TRANSFER FROM T31-WF1 TO 531-BC1	8996, PSDTX454M4
T31-WF1B	TRANSFER FROM T21-3B1 TO T31-WF1	8996, PSDTX454M4
T32-WF1A	TRANSFER FROM T22-3B1 TO T32-WF1	8996, PSDTX454M4
T32-WF1B	TRANSFER FROM T32-WF1 TO 532-BC1	8996, PSDTX454M4
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, PSDTX454M4
ZQLMYL(2)	PRIMARY (LOWER BENCH) LIMESTONE MYTO LINK NO. 2	8996, PSDTX454M4

Alternative Requirement

Alternative Requirement 114

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

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.

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

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



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

January 6, 2015

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

Re: Title 40 Code of Federal Regulations Part 63, Subpart LLL Compliance Extension
Title V Operating Permit Number: O1046
New Source Review Permit Number: 8996
Renewal Date: October 5, 2015
Holcim (Texas) Limited Partnership
Holcim Texas
Midlothian, Ellis County
Regulated Entity Number: RN100219286
Customer Reference Number: CN601231459
Account Number: ED-0099-J
Associated Permit Number: PSDTX454M3

Dear Mr. Moser:

This is in response to your letter dated July 24, 2014, requesting an extension of one year to comply with the total hydrocarbons (THC) requirements (or the alternative total organic hazardous air pollutants [OHAP] requirements) in Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart LLL (National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry). Based on the information in your letter dated July 24, 2014, Holcim Texas LP is hereby granted an extension from September 9, 2015 to September 9, 2016 to comply with the THC / OHAP requirements in 40 CFR 63, Subpart LLL for the above-referenced facility, subject to the conditions of this letter. This letter does not affect the date for compliance with the Subpart LLL standards for particulate matter, dioxin / furan, hydrogen chloride, mercury, and opacity, which remains September 9, 2015.

Item numbers 1 through 4 below are conditions of the compliance extension approval.

Emission Control Installations and Compliance Schedule

1. The following emission control installations and compliance schedule shall be met, as represented in your request for compliance extension to satisfy the requirements of 40 CFR § 63.6(i)(6)(i):
 - a. Oxidation control devices: a regenerative thermal oxidizer [RTO] for Kiln 2 and selective catalytic reduction for THC (SCR-THC) for Kiln 1 shall be installed to control THC / OHAP (hereafter referred to as the project) for each kiln;

Mr. Michel Moser
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January 6, 2015

Re: Title V Operating Permit Number: O1046

- b. The onsite construction of the project shall begin by December 9, 2015 or within thirty (30) days after issuance of amended Permit Nos. 8996 and PSDTX454M4 authorizing the project, whichever is later;
- c. The onsite construction of the oxidation control system for each kiln shall be completed by September 9, 2016, or prior to that kiln's first operating day as defined in 40 CFR § 63.1341 after September 9, 2016, whichever is later;
- d. The compliance date as used in 40 CFR § 63.1351 for the THC/OHAP standards shall be no later than September 9, 2016; and
- e. Final compliance with the THC/OHAP standards shall be achieved by the 30th operating day after the compliance date for that kiln for the THC/OHAP standards.

Support for Compliance Schedule

2. Holcim Texas LP proposes to install an oxidation control system for each kiln to control THC/OHAP. A permit amendment application for authorization of these controls was submitted and received by TCEQ on June 2, 2014. Once the permit amendment is issued, construction associated with the oxidation control systems shall start in a timely manner. The permit amendment processing time frame and the oxidation control construction time frame support the Compliance Schedule above.

Notification and Other Requirements

3. Once compliance with the THC/OHAP standards is achieved, Holcim Texas LP shall submit a notification to the TCEQ and the U. S. Environmental Protection Agency (EPA) Region 6, postmarked within 30 days of the date compliance was achieved, specifying the dates of commencement of construction and completion of construction, new compliance date and date compliance was achieved, and detailing the affected site and equipment. All monitoring, performance testing, recordkeeping, and reporting required by the THC/OHAP standards must begin on the new compliance date, or where time frames in the standards are established from the compliance date, must be based on the new compliance date.

The notification required in this condition should be directed to:

Air Section Manager
TCEQ Region 4
2309 Gravel Dr.
Fort Worth, Texas 76118-6951

With Copies to:

Texas Commission on Environmental Quality
Air Permits Division, MC-163
Ms. Laura Gibson
P.O. Box 13087
Austin, Texas 78711-3087

Mr. Michel Moser
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January 6, 2015

Re: Title V Operating Permit Number: O1046

U.S. Environmental Protection Agency
Region 6
Attn: Air Permits Section (6PD-R)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

4. This compliance extension may be terminated, or additional requirements imposed, at any time the TCEQ or EPA determines that Holcim Texas LP is not making reasonable efforts to comply consistent with the compliance extension application or the sources requesting extension are found to not be in compliance with currently applicable permits or other applicable State or Federal rules.

Pursuant to 40 CFR § 63.6(i)(4)(i)(A), Holcim Texas LP is required to apply for a revision of the affected source's Title V permit (Permit Number O1046) to incorporate the conditions of this compliance extension.

The TCEQ appreciates your attention to the changing applicable rule requirements. If you need further information or have any questions, please contact Ms. Laura Gibson, P.E. at (512) 239-2175 or write to the Texas Commission on Environmental Quality, Office of Air, 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 TCEQ.

Sincerely,



Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/lg

cc: Dan Carnes, Holcim Texas LP
Air Section Manager, Region 4 - Fort Worth
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental
Protection Agency, Region 6, Dallas

Project Number: 215387

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



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

July 20, 2015

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

Re: Compliance Extension for PC MACT Mercury Requirements
Permit Number: 8996
Midlothian Cement Plant
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 11, 2015, requesting a one-year extension of compliance with the mercury (Hg) requirements in Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart LLL, the National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry. Based on the information in your letter and the authority under our EPA-approved Title V permit program, Holcim Texas, Limited Partnership (Holcim) is hereby granted an extension from September 9, 2015 to September 9, 2016 to comply with the Hg requirements in Subpart LLL for the Midlothian Cement Plant, subject to the conditions of this letter. This letter does not affect the date for compliance with the Subpart LLL standards for particulate matter, dioxin/furan, hydrogen chloride, and opacity, which remains September 9, 2015.

Item numbers 1 through 4 below are conditions of the compliance extension approval.

Emission Control Implementation and Compliance Schedule

1. The following emission control implementation and compliance schedule shall be met, as represented in your request for compliance extension to satisfy the requirements of 40 CFR § 60.6(i)(6)(i):
 - a. In the second half of 2015, installed Hg CEMS on each kiln shall be operated to resolve identified data acquisition and handling issues as described in Holcim's May 8, 2015 letter;
 - b. the Hg requirements compliance date as used in 40 CFR § 63.1351 shall be no later than September 9, 2016; and

Mr. Michel Moser
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July 20, 2015

Re: NESHAPS Subpart LLL Compliance Extension for Hg

- c. for each kiln, final compliance with the Hg requirements shall be demonstrated by the Hg monitoring system on the 30th kiln operating day after the compliance date for that kiln.

Notification and Other Requirements

2. Once compliance with the Hg requirements of Subpart LLL is achieved, which shall be no later than September 9, 2016, Holcim must submit a notification to the TCEQ and the U.S. Environmental Protection Agency (EPA) Region 6, postmarked within 30 days of the date compliance was demonstrated, specifying the new compliance date and detailing the affected site and equipment. All monitoring, performance testing, recordkeeping, and reporting required by the Hg standards must begin on the new compliance date, or where time frames in the standards are established from the compliance date, must be based on the new compliance date.

The notification required in this condition should be directed to:

Air Section Manager
TCEQ Region 4
2309 Gravel Dr.
Fort Worth, TX 76118-6951

With copies to:

Texas Commission on Environmental Quality
Air Permits Division, MC-163
Mr. Michael Wilson
P.O. Box 13087
Austin, Texas 78711-3087

U.S. Environmental Protection Agency
Region 6
Attn: Air Permits Section (6PD-R)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

3. This compliance extension may be terminated, or additional requirements imposed, at any time the TCEQ or EPA determines that Holcim is not making reasonable efforts to comply consistent with the compliance extension application or the sources requesting extension are found to not be in compliance with currently applicable permits or other applicable State or Federal rules.
4. Pursuant to 40 CFR 63.6(i)(4)(i)(A), Holcim is required to apply for a revision of the affected source's Title V permit, Permit No. O-1046, to incorporate the conditions of this compliance extension.

Mr. Michel Moser
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July 20, 2015

Re: NESHAPS Subpart LLL Compliance Extension for Hg

Support for Compliance Schedule

Holcim's May 8, 2015 letter documents in detail the basis for their extension request for the Subpart LLL Hg requirements. In summary, Holcim undertook a comprehensive and timely approach to complying with the Subpart LLL Hg requirements, but because of unforeseen circumstances not within their immediate control, it has become impossible to fully comply with the Subpart LLL Hg requirements by September 9, 2015. Holcim undertook a program to implement Hg CEMS at their U.S. cement plants in April 2012. Following a period of evaluation, a contract was signed in October 2013 with Tekran Instruments Corporation to supply Holcim with the required Hg CEMS. By October 2014, Holcim had installed a Tekran Hg CEMS on their operating Kiln 2 at Midlothian. Since that time Holcim has worked on communication and data handling problems with that instrument that have prevented reliable compilation and storage of the Hg CEMS data. However, these ongoing issues were thought to be close to resolution in May 2015 and are not the basis for Holcim's extension request.

The basis for the extension is that Holcim can't comply with the Subpart LLL Hg requirements because some unknown technical issue with calibrating gas generators used in Hg CEMS is preventing the generators and hence the CEMS from being certified for compliance in accordance with Subpart LLL. Under Subpart LLL, the U.S. National Institute of Standards and Technology (NIST) is at the top of a chain of certification that is designed to ensure the accuracy of Hg CEMS. In May 2015 it became public that the chain of certification is broken at the NIST, particularly in regard to the high level Hg generators.

Subpart LLL requires that Hg CEMS used for compliance on cement kilns with in-line raw mills be certified at a high Hg concentration range in addition to the normal low range because it has been shown that Hg emissions tend to be higher in the kiln on, in-line raw mill off operating mode. The Subpart LLL quality assurance testing of Hg CEMS requires use of calibration gases with known concentrations of Hg, traceable to concentrations produced by the NIST. With traditional CEMS such as for nitrogen oxides and sulfur dioxide, bottled gases of known, standard concentrations are used for various quality assurance purposes, including daily calibrations. Development of Hg CEMS is only recent and perhaps influenced by issues with stability of Hg in gas bottles that were not resolved at the time, the two major vendors of Hg CEMS, Tekran and Thermo-Fisher, developed Hg CEMS that generate their own calibration gases. Subpart LLL requires both Hg bottle gases and the Hg calibration gas generators to be NIST traceable. The intended process is that Hg generators in the kiln stack CEMS are placed next to and calibrated to "vendor prime" Hg generators, which in turn are calibrated to the NIST's "Prime Generator." The chain of calibrations is illustrated on the NIST website at: <http://www.nist.gov/mml/csd/sensing/mercemissionmonitor.cfm>. Unfortunately, as the certification deadline approached for Subpart LLL, NIST has found that the vendor prime generators, particularly at the high concentration level, are not matching the NIST prime generator.

Without the ability to produce accurate monitoring data, Holcim is unable to demonstrate compliance with the Subpart LLL Hg limits and is unable to implement any necessary control measures such as raw material and fuel management practices to reduce Hg input to the kiln systems. If the millions of dollars invested by the cement industry in Hg CEMS with Hg

Mr. Michel Moser
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July 20, 2015

Re: NESHAPS Subpart LLL Compliance Extension for Hg

generators are not to be wasted, NIST and the instrument vendors must identify and solve the Hg gas generator calibration issues within the next year.

Summary

You are reminded that these facilities must be in compliance with all rules and regulations of the Texas Commission on Environmental Quality (TCEQ) and of the U.S. Environmental Protection Agency at all times.

If you need further information or have any questions, please contact Mr. Randy Hamilton at (512) 239-1512 or write to the Texas Commission on Environmental Quality, Office of Air, 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 TCEQ.

Sincerely,



Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/rh/jl

Enclosure

cc: Air Section Manager, Region 4 - Dallas/Fort Worth
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental
Protection Agency, Region 6, Dallas

Project Number: 235491

Appendix A

Acronym List124

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 ₂ 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 _x	.....	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 ₂	.....	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 Table126

Major NSR Summary Table

Permit Number: 8996 and PSDTX454M4			Issuance Date: 05/12/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
7*	Kiln Line 1, Bypass Baghouse, and Coal Mill Baghouse	CO (6)	1,939	3,556	2, 4, 7, 9, 10, 18, 19, 20, 21, 22, 23, 29, 30	2, 4, 6, 7, 9, 18, 19, 20, 21, 22, 23, 29, 30, 33	2, 4, 9, 18, 19, 20, 21, 22, 23, 25, 34
		CO (7)	2,172	--			
		PM/PM ₁₀ /PM _{2.5} (filterable)	24	104			
		PM/PM ₁₀ /PM _{2.5} (condensable)	353	155			
		PM/PM ₁₀ /PM _{2.5} (condensable, 24 hr)	35-37	---			
		PM/PM ₁₀ /PM _{2.5} (total)	377	259			
		SO ₂ (1-hour)	2,600	--			
		SO ₂ (3-hour)	2,300	--			
		SO ₂ (24-hour)	1,900	--			
		SO ₂ (annual)	--	1,769			
		TRS	15	18			
		H ₂ SO ₄	180	71			
		VOC	292	438			
		Total OHAPs (30-operating day rolling ave excluding startup / shutdown [SU/SD]) (7)	63	---			
Speciated Compounds	See Attachment I						
62*	Kiln Line 2, Bypass Baghouse, and Coal Mill Baghouse	CO (6)	1,939	3,556	2, 4, 7, 9, 10, 18, 19, 20, 21, 22, 23, 29, 30	2, 4, 6, 7, 9, 18, 19, 20, 21, 22, 23, 29, 30,33	2, 4, 9, 18, 19, 20, 21, 22, 23, 25, 34
		CO (7)	1,939	--			
		PM/PM ₁₀ /PM _{2.5} (filterable)	32	138			
		PM/PM ₁₀ /PM _{2.5} (condensable)	353	154			
		PM/PM ₁₀ /PM _{2.5} (condensable, 24 hr)	35.22	---			
		PM/PM ₁₀ /PM _{2.5} (total)	385	292			
		SO ₂ (1-hour)	2,600	--			
		SO ₂ (3-hour)	2,300	--			
		SO ₂ (24-hour)	1,900	--			
		SO ₂ (annual)	--	1,769			
		TRS	15	18			

Major NSR Summary Table

Permit Number: 8996 and PSDTX454M4				Issuance Date: 05/12/2015			
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
		H ₂ SO ₄	180	71			
		VOC (6)	292	438			
		VOC (7)	292	219			
		Total OHAPs (30-operating day rolling ave excluding SU/SD) (7)	63	---			
		Speciated Compounds	See Attachment I				
7* and 62*	Combined Kiln Lines 1 and 2 Emission Limits	CO (7)	---	4,303	2, 4, 7, 9, 10, 18, 19, 20, 21, 22, 23, 29, 30	2, 4, 6, 7, 9, 18, 19, 20, 21, 22, 23, 29, 30, 33	2, 4, 9, 18, 19, 20, 21, 22, 23, 25, 34
		Compliance Period (8)	Tons/day	Total tons			
		NO _x , November 1 through March 30	15.3	2,310			
		NO _x , March 31 through October 31	5.3	1,140			
		NO _x , Annual (12-month rolling)	---	3,450			
1A*	Primary (Upper Bench) Limestone Crusher	PM	0.28	0.25	2	2	2
		PM ₁₀	0.13	0.12			
1B*	Primary (Upper Bench) Limestone Crusher	PM	0.72	3.15			
		PM ₁₀	0.72	3.15			
		CO	11.18	48.97			
		NO _x	8.09	35.43			
		SO ₂	1.08	4.73			
		VOC	1.43	6.26			
2*	Secondary Crusher Baghouse Stack	PM	0.77	1.69	2, 10	2	2
		PM ₁₀	0.77	1.69			
3*	Raw Material Transfer Point Baghouse Stack	PM	0.34	0.75	2, 10	2	2
		PM ₁₀	0.34	0.75			
4*	Conveyor Belt Transfer Baghouse Stack	PM	0.70	1.53	2, 10	2	2
		PM ₁₀	0.70	1.53			
5*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.93	2.03	2, 10	2	2
		PM ₁₀	0.93	2.03			
6*	Line No. 1 Raw Mill	PM	0.93	2.03	2, 10	2	2

Major NSR Summary Table

Permit Number: 8996 and PSDTX454M4			Issuance Date: 05/12/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Feed Bins Baghouse Stack No. 2	PM ₁₀	0.93	2.03			
8*	Rotary Kiln Feed Silo Upper Baghouse Stack	PM	1.04	2.28	2, 10	2	2
		PM ₁₀	1.04	2.28			
9*	Rotary Kiln Feed Silo Lower Baghouse Stack	PM	0.87	1.91	2, 10	2	2
		PM ₁₀	0.87	1.91			
11*	Waste Bypass Dust Baghouse Stack	PM	0.18	0.38	2, 10	2	2
		PM ₁₀	0.18	0.38			
12*	Coal Handling Baghouse Stack	PM	0.80	1.76	2, 10	2	2
		PM ₁₀	0.80	1.76			
13*	Coal Storage Bin Baghouse Stack	PM	0.33	0.71	2, 10	2	2
		PM ₁₀	0.33	0.71			
14*	Clinker Conveyor Transfer Point Baghouse Stack	PM	0.22	0.48	2, 10	2	2
		PM ₁₀	0.22	0.48			
15*	Clinker Conveyor Baghouse Stack	PM	0.29	0.64	2, 10	2	2
		PM ₁₀	0.29	0.64			
16*	Gypsum Silo Baghouse Stack	PM	0.12	0.27	2, 10	2	2
		PM ₁₀	0.12	0.27			
17*	Upper Clinker Silos Baghouse Stack	PM	0.45	0.99	2, 10	2	2
		PM ₁₀	0.45	0.99			
18*	Gypsum Weigh Feeder Baghouse Stack	PM	0.16	0.36	2, 10	2	2
		PM ₁₀	0.16	0.36			
19*	Clinker Feeder No. 7 Baghouse Stack	PM	0.15	0.32	2, 10	2	2
		PM ₁₀	0.15	0.32			
20*	Clinker Feeder No. 1 Baghouse Stack	PM	0.15	0.32	2, 10	2	2
		PM ₁₀	0.15	0.32			
21*	Clinker Feeder No. 6 Baghouse Stack	PM	0.15	0.32	2, 10	2	2
		PM ₁₀	0.15	0.32			
22*	Clinker Feeder No. 4 Baghouse Stack	PM	0.15	0.32	2, 10	2	2
		PM ₁₀	0.15	0.32			
23* & 29*	Finish Mill System No. 1 and No. 2 Baghouse Stack	PM	13.62	59.68	2, 10, 18	2, 18	2, 18
		PM ₁₀	13.62	59.68			
24*	Gypsum Weigh Feeder	PM	0.16	0.36	2, 10	2	2

Major NSR Summary Table

Permit Number: 8996 and PSDTX454M4			Issuance Date: 05/12/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Baghouse Stack	PM ₁₀	0.16	0.36			
25*	Clinker Weigh Feeder No. 2 Baghouse Stack	PM	0.15	0.32	2, 10	2	2
		PM ₁₀	0.15	0.32			
26*	Clinker Weigh Feeder No. 5 Baghouse Stack	PM	0.15	0.32	2, 10	2	2
		PM ₁₀	0.15	0.32			
27*	Clinker Weigh Feeder No. 3 Baghouse Stack	PM	0.15	0.32	2, 10	2	2
		PM ₁₀	0.15	0.32			
28*	Clinker Weigh Feeder No. 8 Baghouse Stack	PM	0.15	0.32	2, 10	2	2
		PM ₁₀	0.15	0.32			
30*	Cement Silo No. 1 Discharge Baghouse Stack	PM	0.25	0.55	2, 10	2	2
		PM ₁₀	0.25	0.55			
31*	Cement Silo No. 2 Discharge Baghouse Stack	PM	0.37	0.81	2, 10	2	2
		PM ₁₀	0.37	0.81			
32*	Cement Silo No. 4 Discharge Baghouse Stack	PM	0.25	0.55	2, 10	2	2
		PM ₁₀	0.25	0.55			
33*	Cement Silo No. 5 Discharge Baghouse Stack	PM	0.46	1.02	2, 10	2	2
		PM ₁₀	0.46	1.02			
34*	Cement Silo No. 7 Discharge Baghouse Stack	PM	0.25	0.55	2, 10	2	2
		PM ₁₀	0.25	0.55			
35*	Cement Silo No. 8 Discharge Baghouse Stack	PM	0.37	0.81	2, 10	2	2
		PM ₁₀	0.37	0.81			
36*	Cement Silo No. 1 Filling Baghouse Stack	PM	1.14	2.49	2, 10	2	2
		PM ₁₀	1.14	2.49			
37*	Cement Silo No. 7 Filling Baghouse Stack	PM	0.58	1.27	2, 10	2	2
		PM ₁₀	0.58	1.27			
42*	Shale Crusher Discharge Baghouse Stack	PM	0.38	0.83	2, 10	2	2
		PM ₁₀	0.38	0.83			
43*	Line No. 2 Raw Mill Feed Bins Baghouse Stack No. 1	PM	0.76	1.67	2, 10	2	2
		PM ₁₀	0.76	1.67			

Major NSR Summary Table

Permit Number: 8996 and PSDTX454M4			Issuance Date: 05/12/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
44*	Raw Mill Discharge Airslide Baghouse Stack	PM	0.24	0.52	2, 10	2	2
		PM ₁₀	0.24	0.52			
45*	Kiln Feed System No. 1 Baghouse Stack	PM	0.29	0.62	2, 10	2	2
		PM ₁₀	0.29	0.62			
46*	Blending Silo Upper Baghouse Stack	PM	0.24	0.52	2, 10	2	2
		PM ₁₀	0.24	0.52			
47*	Blending Silo Lower Baghouse Stack	PM	0.48	1.04	2, 10	2	2
		PM ₁₀	0.48	1.04			
48*	Kiln Feed System No. 2 Baghouse Stack	PM	0.29	0.62	2, 10	2	2
		PM ₁₀	0.29	0.62			
49*	Pan Conveyor Under Clinker Cooler Baghouse Stack	PM	0.28	0.61	2, 10	2	2
		PM ₁₀	0.28	0.61			
50*	Dust Bin Baghouse Stack	PM	0.29	0.62	2, 10	2	2
		PM ₁₀	0.29	0.62			
51*	Clinker Silo No. 1 Discharge Baghouse Stack (North)	PM	0.07	0.15	2, 10	2	2
		PM ₁₀	0.07	0.15			
52*	Clinker Silo No. 1 Discharge Baghouse Stack (South)	PM	0.07	0.15	2, 10	2	2
		PM ₁₀	0.07	0.15			
53*	Slag/Gypsum Bins and Belt Discharge Baghouse Stack	PM	0.76	1.67	2, 10	2	2
		PM ₁₀	0.76	1.67			
54*	Clinker Silo No. 2 Discharge Baghouse Stack (North)	PM	0.07	0.15	2, 10	2	2
		PM ₁₀	0.07	0.15			
55*	Clinker Silo No. 2 Discharge Baghouse Stack (South)	PM	0.07	0.15	2, 10	2	2
		PM ₁₀	0.07	0.15			
56*	Clinker Silo Feeder Baghouse Stack	PM	0.76	1.67	2, 10	2	2
		PM ₁₀	0.76	1.67			
57*	Clinker Conveyor Transfer Point Baghouse Stack	PM	0.24	0.52	2, 10	2	2
		PM ₁₀	0.24	0.52			

Major NSR Summary Table

Permit Number: 8996 and PSDTX454M4			Issuance Date: 05/12/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
58*	Belt-Air-Slide Transfer Point 1 Baghouse Stack	PM	0.38	0.83	2, 10	2	2
		PM ₁₀	0.38	0.83			
59*	Belt-Air-Slide Transfer Point 2 Baghouse Stack	PM	0.48	1.04	2, 10	2	2
		PM ₁₀	0.48	1.04			
60*	Bulk Loading 1 Baghouse Stack	PM	0.52	1.15	2, 10	2	2
		PM ₁₀	0.52	1.15			
61*	Truck Loadout- 1 Baghouse Stack	PM	0.01	0.02	2, 10	2	2
		PM ₁₀	0.01	0.02			
63*	Rail Loadout- 1 Baghouse Stack	PM	0.01	0.02	2, 10	2	2
		PM ₁₀	0.01	0.02			
64*	Coal Mill Conveyor Baghouse Stack	PM	0.24	0.52	2, 10	2	2
		PM ₁₀	0.24	0.52			
65*	Truck Loadout- 2 Baghouse Stack	PM	0.01	0.02	2, 10	2	2
		PM ₁₀	0.01	0.02			
66*	SKS & Cement Mill Baghouse Stack	PM	14.11	61.79	2, 10, 18	2, 18	2, 18
		PM ₁₀	14.11	61.79			
67*	Cement Silo Filling Baghouse Stack (North)	PM	0.29	0.64	2, 10	2	2
		PM ₁₀	0.29	0.64			
68*	Cement Silo Filling Baghouse Stack (South)	PM	0.16	0.35	2, 10	2	2
		PM ₁₀	0.16	0.35			
69*	Truck/Rail Loadout Baghouse	PM	0.19	0.41	2, 10	2	2
		PM ₁₀	0.19	0.41			
70*	Truck/Rail Loadout Baghouse (North)	PM	0.19	0.41	2, 10	2	2
		PM ₁₀	0.19	0.41			
71*	Air-Slide Conveyor Baghouse Stack	PM	0.48	1.04	2, 10	2	2
		PM ₁₀	0.48	1.04			
72*	Pulverized Coal Bin Baghouse Stack	PM	0.02	0.05	2, 10	2	2
		PM ₁₀	0.02	0.05			
73*	Pulverized Coal Bin CO Analyzer Baghouse Stack	PM	<0.01	<0.01	2, 10	2	2
		PM ₁₀	<0.01	<0.01			
74*	Scrubber (Reagent-	PM	0.17	0.38	2, 10	2	2

Major NSR Summary Table

Permit Number: 8996 and PSDTX454M4			Issuance Date: 05/12/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
	Feed) System 1- Line 1	PM ₁₀	0.17	0.38			
75A*	Primary (Lower Bench) Limestone Crusher	PM	0.28	0.25	2	2	2
		PM ₁₀	0.13	0.12			
75B*	Primary (Lower Bench) Limestone Crusher Engine	PM	0.39	1.71			
		PM ₁₀	0.39	1.71			
		CO	8.23	36.05			
		NO _x	6.64	29.08			
		SO ₂	0.90	3.94			
		VOC	0.94	4.12			
76*	Cooling Tower	PM	2.05	8.98			
		PM ₁₀	2.05	8.98			
77*	Line 1 Kiln Dust Bin Baghouse Stack	PM	0.48	2.1	2, 10	2	2
		PM ₁₀	0.48	2.1			
78*	Line 2 Dust Bin Baghouse Stack	PM	0.48	2.1	2, 10	2	2
		PM ₁₀	0.48	2.1			
79*	Line No. 2 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.27	0.59	2, 10	2	2
		PM ₁₀	0.27	0.59			
80*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 3	PM	0.27	0.59	2, 10	2	2
		PM ₁₀	0.27	0.59			
81*	Clinker Silo De-Dusting Baghouse Stack No. 1	PM	0.66	1.45	2, 10	2	2
		PM ₁₀	0.66	1.45			
82*	Clinker Silo De-Dusting Baghouse Stack No. 2	PM	0.22	0.48	2, 10	2	2
		PM ₁₀	0.22	0.48			
83*	Clinker Silo De-Dusting Baghouse Stack No. 3	PM	0.22	0.48	2, 10	2	2
		PM ₁₀	0.22	0.48			
84*	Raw Material Handling Baghouse Stack No. 1	PM	0.54	1.18	2, 10	2	2
		PM ₁₀	0.54	1.18			
85*	Raw Material Handling Baghouse Stack No. 2	PM	0.27	0.59	2, 10	2	2
		PM ₁₀	0.27	0.59			
ROADS	Plant-Wide Roads (9)	PM	15.44	67.59			
		PM ₁₀	7.72	33.82			

Major NSR Summary Table

Permit Number: 8996 and PSDTX454M4			Issuance Date: 05/12/2015				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY (5)	Spec. Cond.	Spec. Cond.	Spec. Cond.
PLANTFUG	Plant-Wide Fugitives (9)	PM	5.94	15.12			
		PM ₁₀	2.90	7.43			
MSSFUG1	Inherently Low Emitting (ILE) Planned Maintenance Activities (9)	NO _x	0.03	0.02	2, 28, 29	2, 28, 29, 33	2, 29, 34
		CO	0.34	0.04			
		SO ₂	<0.01	<0.01			
		VOC	68.07	0.06			
		PM	14.69	0.41			
		PM ₁₀	6.93	0.16			
		PM _{2.5}	1.06	0.03			
MSSFUG2	Non-ILE Planned Maintenance Activities (Vacuum truck loading and unloading) (9)	PM	6.17	1.78	2, 28, 29	2, 28, 29, 33	2, 29, 34
		PM ₁₀	3.19	1.24			
		PM _{2.5}	0.67	0.45			

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_x
 - total oxides of nitrogen
- SO₂
 - sulfur dioxide
- PM
 - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀
 - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5}
 - particulate matter equal to or less than 2.5 microns in diameter
- CO
 - carbon monoxide
- HAP
 - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations (CFR) Part 63, Subpart C
- TRS
 - total reduced sulfur
- H₂SO₄
 - sulfuric acid
- Speciated Compounds
 - See Attachment I
- OHAP
 - organic hazardous air pollutants as defined in 40 CFR § 63.1341
- Total OHAP
 - sum of concentrations of compounds of formaldehyde, benzene, toluene, styrene, m-xylene, p-xylene, o-xylene, acetaldehyde, and naphthalene as measured by EPA Test Method 320 or Method 18, Appendix A, 40 CFR 60.

- (4) Planned maintenance, startup, and shutdown (MSS) emissions are included.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Emission limits shall be effective until the oxidation control systems (SCR-THC for Line 1 and RTO for Line 2) are installed and operational.
- (7) Emission limits shall become effective after oxidation control systems (SCR-THC for Line 1 and RTO for Line 2) are installed and operational.
- (8) Demonstration of compliance with 30-day rolling limit begins on first day of stated period. The control period for the March 31 limit effectively begins on March 1. Reference: 30 TAC § 117.3123.
- (9) Emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.

Attachment I: Emission Sources - Maximum Allowable Emission Rates, Speciated Compounds

Permit Number: 8996 and PSDTX454M4		Issuance Date: 05/12/2015,					
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 No. 1 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Aluminum	0.12	0.46	2, 4, 7, 10, 18, 19, 20, 21, 22, 23, 29, 30,32	2, 4, 6, 7, 18, 19, 20, 21, 22, 23, 29, 30,33	2, 4, 18, 19, 20, 21, 22, 23, 25, 34
		Ammonia (24-hour rolling avg.)	24.46	--			
		Ammonia	--	107.15			
		Ammonium Chloride	3.86	14.78			
		Arsenic	3.53E-03	0.01			
		Barium	0.09	0.34			
		Benzaldehyde	0.45	1.72			
		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 (30-operating day rolling ave excluding SU/SD)	4.49	--			
		Hydrogen Chloride	--	19.66			
		Iron	0.17	0.65			
		Lead	0.02	0.08			
		Manganese (fumes)	0.01	0.04			
		Mercury (30-operating day rolling ave excluding SU/SD)	0.01	--			
		Mercury	--	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			
		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					

Permit Number: 8996 and PSDTX454M4

Issuance Date: 05/12/2015,

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.
		Selenium	0.04	0.15			
		Silver	5.00E-04	1.91E-03			
		Thallium	1.65E-03	0.01			
		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			
		Zinc	0.07	0.27			
62*	Kiln No. 2 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Aluminum	0.12	0.46	2, 4, 7, 10, 18, 19, 20, 21, 22, 23, 29, 30, 32	2, 4, 6, 7, 18, 19, 20, 21, 22, 23, 29, 30,33	2, 4, 18, 19, 20, 21, 22, 23, 25, 34
		Ammonia (24-hour rolling avg.)	24.46	--			
		Ammonia	--	107.15			
		Ammonium Chloride	3.86	14.78			
		Arsenic	3.53E-03	0.01			
		Barium	0.09	0.34			
		Benzaldehyde	0.45	1.72			
		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 (30-operating day rolling ave excluding SU/SD)	4.49	--			
		Hydrogen Chloride	--	19.66			
		Iron	0.17	0.65			
		Lead	0.02	0.08			
		Manganese (fumes)	0.01	0.04			
		Mercury (30-operating day rolling ave excluding SU/SD)	0.01	--			

Permit Number: 8996 and PSDTX454M4			Issuance Date: 05/12/2015,				
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.
		Mercury	--	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			
		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			
		Thallium	1.65E-03	0.01			
		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			
		Zinc	0.07	0.27			

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) 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.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



AN ORDER concerning Holcim (Texas) Limited Partnership's amendment to Air Quality Permit Nos. 8996 and PSDTX454M4 to authorize a pollution control project at its existing portland cement manufacturing plant; TCEQ Docket No. 2015-0460-AIR.

On April 29, 2015, the Texas Commission on Environmental Quality (Commission) considered during its open meeting a request for hearing filed by Sue Pope concerning Holcim (Texas) Limited Partnership's (Applicant) amendment to Air Quality Permit Nos. 8996 and PSDTX454M4 to authorize a pollution control project at its existing portland cement manufacturing plant in Midlothian, Ellis County, Texas. The request for hearing was evaluated under the requirements in the applicable statutes and Commission rules, including 30 Texas Administrative Code (TAC) Chapter 55. The Commission also considered the responses to the hearing request filed by the Executive Director, Office of Public Interest Counsel, and the Applicant; Sue Pope's reply to responses; all timely public comment; and the Executive Director's Response to Comment.

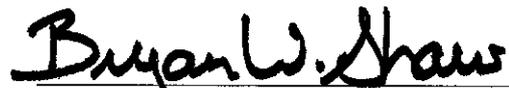
After evaluation of all relevant filings, the Commission denied the hearing request of Sue Pope. The Commission also adopted the Executive Director's Response to Public Comment and issued Air Quality Permit Nos. 8996 and PSDTX454M4 to Holcim (Texas) Limited Partnership.

NOW, THEREFORE, BE IT ORDERED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY that:

1. The hearing request filed by Sue Pope is hereby DENIED;
3. The permit amendment to Air Quality Permit Nos. 8996 and PSDTX454M4 to Holcim (Texas) Limited Partnership is APPROVED and the attached permit is ISSUED in the form as shown in the draft permit prepared by the Executive Director;
4. The Executive Director's Response to Public Comment is ADOPTED in accordance with 30 TAC Chapter 55; and
5. If any provision, sentence, clause or phrase of this Order is for any reason held to be invalid, the invalidity of any portion shall not affect the validity of the remaining portions of the Order.

Issue date: **MAY 12 2015**

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY


Bryan W. Shaw, Ph.D., P.E., Chairman

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



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

May 13, 2015

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

Re: Permit Amendment
Permit Numbers: 8996 and PSDTX454M4
Holcim (Texas) Limited Partnership
Portland Cement Plant
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 Form PI-1 (General Application for Air Preconstruction Permits and Amendments) concerning the proposed amendment to Permit Number 8996 and modification to Permit PSDTX454M4. We understand that you propose to install add-on control technologies on both kilns at the referenced facility. These controls will be installed to meet the new total hydrocarbons (THC) or alternate organic hazardous air pollutant (OHAP) emission limits under the National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (PC MACT) as codified in Title 40 Code of Federal Regulations (40 CFR) Part 63, Subpart LLL.

In accordance with Title 30 Texas Administrative Code § 116.116(b) [30 TAC § 116.116(b)], and based on our review, Permit Number 8996 has been amended. This information will be incorporated into the existing permit file. Enclosed are revised general conditions, special conditions pages, and a maximum allowable emission rates table (MAERT). We appreciate your careful review of the permit and assuring that all requirements are consistently met. In addition, the construction and operation of the facilities must be as represented in the application.

Mr. Michel Moser
Page 2

Re: Permit Numbers: 8996 and PSDTX454M4

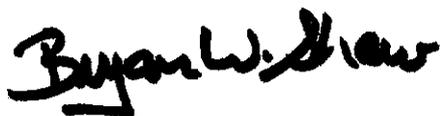
This amendment will be automatically void upon the occurrence of any of the following, as indicated in 30 TAC § 116.120(a):

1. Failure to begin construction of the changes authorized by this amendment within 18 months from the date of this authorization.
2. Discontinuance of construction of the changes authorized by this amendment for a period of 18 consecutive months or more.
3. Failure to complete the changes authorized by this amendment within a reasonable time.

Upon request, the executive director may grant extensions as allowed in 30 TAC § 116.120(b).

If you need further information or have any questions, please contact Ms. Laura Gibson, P.E. at (512) 239-2175 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,



Bryan W. Shaw, Ph.D., P.E., Chairman
For the Texas Commission on Environmental Quality

BWS/lg

Enclosures

cc: Dan Carnes, Holcim Texas LP, 1800 Dove Ln, Midlothian TX 76065-4435
Kate Gross, Trinity Consultants, Dallas
Air Section Manager, Region 4 - Fort Worth
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental
Protection Agency, Region 6, Dallas

Project Numbers: 211660, 211663



**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 Plant
Located at **Midlothian, Ellis County, Texas**
Latitude 32° 30' 40" *Longitude* -96° 58' 25"

Permits: 8996 and PSDTX454M4

Amendment Date : MAY 12 2015

Expiration Date: October 5, 2015

Byron W. Shaw

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 PSDTX454M4

Emission Limitations, Fuel Specifications, and Operating Requirements

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 that attached table. This permit authorizes planned maintenance, startup, and shutdown (MSS) activities which comply with the emission limits in the maximum allowable emission rates table (MAERT) and the opacity limits of Special Condition No. 10. **(10/14)**
2. These facilities shall comply with all applicable requirements of the following regulations.
 - A. The U. S. Environmental Protection Agency (EPA) Standards of Performance for New Stationary Sources (NSPS) in Title 40 Code of Federal Regulations (40 CFR) Part 60:
 - (1) Subpart A - General Provisions;
 - (2) Subpart F – Portland Cement Plants;
 - (3) Subpart Y - Coal Preparation Plants; and
 - (4) Subpart OOO - Nonmetallic Mineral Processing Plants.
 - B. The EPA National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Source Categories in 40 CFR Part 63:
 - (1) Subpart A - General Provisions; and
 - (2) Subpart LLL - Portland Cement Manufacturing Industry.
 - C. The Texas Commission on Environmental Quality (TCEQ) regulations in Title 30 Texas Administrative Code (30 TAC) Chapter 117, Division 2 - 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.
3. Clinker production is limited to:
 - A. 1.34 million short tons per year (stpy) per kiln; and
 - B. 2.67 million stpy plant-wide.
4. The facility is subject to 40 CFR 63, Subpart LLL at all times. The following limits are associated with a compliance date of September 9, 2015, subject to change to September 9, 2016 per approval of a pending one-year extension request. **(05/15)**

Contaminant	Limit	Other conditions
Particulate Matter (PM) filterable (PM/PM ₁₀ /PM _{2.5})	0.07 pounds per ton (lb/T) clinker or alternative PM limit calculated using Equation 1 of 40 CFR 63.1343(b)(2)	30 operating day rolling average excluding periods of startup / shutdown (SU/SD) as defined in 40 CFR 63.1341
Total Hydrocarbons (THC) OR alternative limit on Organic Hazardous Air Pollutants (OHAP)	24 parts per million THC (as propane) by volume dry (ppmvd) corrected to 7 percent oxygen (% O ₂) OR	30 operating day rolling average excluding periods of SU/SD as defined in 40 CFR 63.1341
	12 ppmvd total OHAP corrected to 7% O ₂	
Mercury (Hg)	55 lb/million tons clinker	30 operating day rolling average excluding periods of SU/SD as defined in 40 CFR 63.1341
Dioxins/Furans (D/F)	0.20 nanogram per dry standard cubic meter (TEQ), corrected to 7% O ₂ OR 0.40 TEQ, corrected to 7% O ₂ , if average temperature at the inlet to the first PM control device during the D/F performance test is 400 °F or less.	
Hydrogen Chloride (HCl)	3 ppmvd corrected to 7% O ₂	30 operating day rolling average excluding periods of SU/SD as defined in 40 CFR 63.1341

5. Each kiln shall not exceed the ammonia (NH₃) emission limit of 35 ppmvd corrected to 7% O₂, on a 24 hour rolling average basis. **(05/15)**
6. Authorized kiln and precalciner fuels are as follows.
 - A. Pipeline-quality, sweet natural gas;
 - B. Coal containing no more than 3.0 percent sulfur by weight;
 - C. Petroleum coke. **(7/07)**
 - D. Non-waste fuels as described in 40 CFR §§ 241.3 and 241.4. Any non-hazardous secondary material used as a fuel 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; 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 natural gas, coal or petroleum coke fuels as specified in Special Condition Nos. 6.A, 6.B, or 6.C, or other traditional fuels that the kilns and precalciners are designed to burn; and, in the case of non-hazardous secondary materials that have been previously discarded, have been processed into legitimate non-waste fuel. Non-waste fuels, include, but are not limited to the following. **(1/13)**

(1) Non-hazardous solids: **(1/13)**

- (a) 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;
- (b) material collected at municipal and post-industrial recycling facilities such as paper, cardboard, and plastics which may contain small quantities of metals; and
- (c) materials collected during or generated from carpet recycling (such as carpet fiber, carpet backing, carpet pads, and other similar materials);
- (d) rubber-derived fuel (RDF), including, but not limited to: tire-derived fuel (TDF), manufacturing raw material, rejects, and waste; green rubber, off-specification rubber, hoses, and other similar rubber materials;
- (e) 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;
- (f) wood chips; and
- (g) activated carbon.

(2) Non-hazardous liquids:

- (a) 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;
- (b) glycols; and
- (c) glycerin containing liquids generated from the production of biodiesel fuel. **(4/07)**

E. Hazardous waste, as defined by the Federal Resource Conservation and Recovery Act and the rules implementing that Act, may not be fired. **(5/06)**

7. Fuels are limited and shall be recorded as follows:

- A. The non-waste fuel fed to each kiln system (kiln and precalciner) is limited as a percentage of the total fuel fed into the kiln system, calculated as heat input on a higher heating value (HHV) basis, on an hourly basis, as follows:
 - (1) Total non-waste fuels, as described in Special Condition No. 6.D above, 60 percent of the total fuel; and **(1/13)**
 - (2) TDF, 45 percent of the total fuel.
 - B. The natural gas heating value shall be provided by the gas supplier.
 - C. The HHV and sulfur content of the coal shall be determined by monthly sampling.
8. Fuel shall be injected into the precalciner only when the precalciner temperature is greater than 1,200°F. A fuel shutoff shall automatically stop fuel feed to the precalciner when the temperature is less than 1,200°F.

Selective Non-catalytic Reduction (SNCR)

9. For each kiln system, from March 1 through October 31 of each year SNCR NO_x control technology must be operated during all periods of normal kiln operation. Normal kiln operation does not include the following circumstances:
- A. MSS activity when the precalciner operating temperature is too low for proper SNCR operation; and **(10/14)**
 - B. an imminent or actual 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 Test Method (TM) 22 of Appendix A-7 in 40 CFR Part 60. The permit holder must notify the TCEQ Regional Office within 24 hours of a positive EPA TM 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)**

10. Opacity / Visible Emission Limitations

- A. During normal operations, the opacity of emissions shall not exceed the limits in the table below.

Source	EPNs	Opacity Limit ¹
Kiln stacks	7*, 62*	10%
All other baghouse stacks	see MAERT	5%

¹For any six-minute period.

- B. During MSS activities, the opacity of emissions shall not exceed 20% for any six minute period, for any source except for buildings, enclosed facilities, or other structures, for which the opacity shall not exceed 30% for any six-minute period. **(10/14)**

- C. Compliance with the opacity limits is determined:
- (1) For EPNs 7* and 62*, by using the continuous opacity monitoring systems (COMS) required in Special Condition No. 20. After September 9, 2015, a particulate matter (PM) continuous parameter monitoring system (CPMS) that has passed the initial certification requirements of 40 CFR Part 63, Subpart LLL may be used instead of a COMS. **(10/14)**
 - (2) For all other EPNs,
 - (a) By following the periodic monitoring procedures specified for each EPN in the federal operating permit (FOP) for this site, FOP No. O1046. **(10/14)**
 - (b) After September 9, 2015, any source subject to the opacity monitoring requirements of 40 CFR § 63.1350(f) may follow those procedures to demonstrate compliance with the opacity limits of this permit instead of Special Condition 10.C(2)(a) above. **(10/14)**
 - (c) Periods of excess opacity 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.

Fugitive Emissions

11. 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.
12. 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 a fabric filter.
13. 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 a 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.
14. In order to control fugitive dust emissions to the minimum level possible under existing conditions:
 - A. plant roads shall be paved, water sprinkled, or swept, as necessary;
 - B. quarry roads, including haul roads (i.e., Raw Material Road and Bypass Dust Road), shall be oiled or water sprinkled, as necessary; and
 - C. 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.

15. Individual Chemical Species
 - A. For each kiln stack, if not specified in the MAERT, the emission rate for any compound with an Effects Screening Level (ESL) is limited as follows: **(05/15)**
 - (1) Emission Rate (pound per hour) = short-term ESL x 3.84
 - (2) Emission Rate (TPY) = annual ESL x 324
 - B. The short-term and annual ESLs for any individual chemical species limited by this condition are those contained in the TCEQ ESL list dated March 17, 2014. **(05/15)**
 - C. The allowable emission rate shall be calculated for each contaminant tested pursuant to Special Condition No. 18 and the calculated allowable emission rate shall be included in the sampling report submitted pursuant to Special Condition No. 18.F.
16. For each kiln stack, compliance with the 12-month rolling emission limits in the MAERT for PM equal to or less than 10 microns in diameter (PM₁₀) shall be calculated using the actual operation hours and stack test data for each of the following operating scenarios:
 - A. raw mill on, scrubber on;
 - B. raw mill off, scrubber on;
 - C. raw mill on, scrubber off; and
 - D. raw mill off, scrubber off.

Initial Demonstration of Compliance

17. Sampling ports and platforms shall be incorporated into the design of the Kiln Stacks according to the specifications set forth in "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director.
18. 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 PM₁₀ (front-half and back-half), lead, and VOC being emitted into the atmosphere from the Kiln Line 2 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*). Stack sampling and other testing for Kiln Line 1 Stack (EPN 7*) to establish the actual pattern and quantities of lead 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 40 CFR Part 63, Subpart LLL 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 Test Methods (TMs). 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. 18F. 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. Air contaminants emitted from Kiln 2 (EPN 62*, once the Regenerative Thermal Oxidizer [RTO] is installed) and Kiln 1 (EPN 7*, once the Selective Catalytic Reduction for THC / OHAP [SCR-THC] is installed) to be tested for include PM₁₀, PM_{2.5}, and methane. Initial determination of compliance for PM (filterable), HCl, D/F, THC or OHAP, and Hg shall be performed in accordance with the applicable initial compliance requirements of 40 CFR Part 63, Subpart LLL. Initial determination of compliance for volatile organic compounds (VOC) shall be performed in accordance with Special Condition No. 22.C. **(05/15)**
- B. 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.
 - (7) 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 PM₁₀ and VOC to be analyzed from the PM₁₀ 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.
 - (8) 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.

- C. 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.
- D. 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.
- E. 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)**
- F. 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

- 19. The holder of this permit shall install, calibrate, operate, and maintain CEMS to measure and record the SO₂, NO_x, and CO concentrations, and continuous flow rate sensors to measure and record the exhaust flow rate, in each kiln. The SO₂, NO_x, and CO CEMS and the continuous flow rate sensor shall be used as a continuous emission rate monitoring system (CERMS) for SO₂, NO_x, and CO.
 - A. The systems 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 portions of 40 CFR Part 60, Appendix B,
 - (1) Performance Specification Nos. 2 through 4, for the CEMS; and
 - (2) Performance Specification No. 6 for the flow rate sensors.
 - B. Each CEMS 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.

- C. 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.
 - D. Each CEMS shall complete a minimum of one cycle of sampling, analyzing, and data recording for each successive 15-minute period. One-hour average concentrations and pounds of pollutant per hour 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.
20. Except as provided in Special Condition 20.D, the permit holder shall install, calibrate, operate, and maintain a COMS to measure and record the opacity in the kiln stacks. **(10/14)**
- A. The COMS 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 COMS 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.
 - C. 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 breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the computed data averages.
 - D. After September 9, 2015, a PM CPMS that has passed the initial certification requirements of 40 CFR Part 63, Subpart LLL may be used instead of a COMS. A site specific relationship between PM emissions and opacity measurements shall be developed to establish a level of CPMS output that reliably corresponds to opacity below 10%. Compliance with such a CPMS level will be considered to demonstrate compliance with the opacity limit; however, the TCEQ may use EPA Test Method 9 to determine opacity at any time. **(10/14)**

21. Upon request by the TCEQ Executive Director or the TCEQ Regional Director having jurisdiction, the holder of this permit shall perform stack sampling and/or other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the cement kilns to demonstrate compliance with the MAERT and with emission performance levels as specified in the special conditions and/or otherwise prove satisfactory equipment performance. Sampling must be conducted in accordance with the TCEQ Sampling Procedures Manual or in accordance with the applicable EPA 40 CFR procedures. Any deviations from those procedures must be approved by the TCEQ Executive Director or the appropriate TCEQ Regional Director prior to conducting sampling.

Air contaminants emitted from the kilns to be tested for include (but are not limited to) PM, NO_x, CO, VOC, and SO₂. **(05/15)**

22. The holder of this permit shall install, calibrate, operate, and maintain CEMS to measure and record the in-stack concentrations of THC, Hg, and oxygen from Kiln 2 (EPN 62*) and Kiln 1 (EPN 7*) in accordance with the requirements of 40 CFR Part 63, Subpart LLL. 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 each kiln stack. This CEMS, which may be the same unit as described in Special Condition 19, is subject to Special Conditions 19.A through 19.D, in addition to the following: **(05/15)**

- A. The THC CEMS and the continuous flow rate sensor shall be used as a CERMS for VOC.
- B. The CEMS monitoring data shall be reduced to hourly average concentrations in accordance with 40 CFR §60.13(h)(2)(i)-(ix).

Each CEMS shall complete a minimum of one cycle of sampling, analyzing, and data recording for each successive 15-minute 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.

- C. The VOC mass emission rate for EPN 62* or EPN 7* shall be calculated from the THC emission rate determined using the THC emission rate monitoring system by multiplying the THC mass emission rate by a Methane Reduction Factor. The following equation shall be used:

$$\text{VOC} = \text{THC} * \text{Methane Reduction Factor}$$

Where, the Methane Reduction Factor is the methane concentration divided by the THC concentration subtracted from 1 [i.e., methane reduction factor = (1 - (methane/THC))].

- D. The methane concentration shall be determined by performing stack testing on a quarterly basis for the first four tests, then annually thereafter. Once four stack tests have been performed, the methane concentration used to determine VOC emissions will be the average of the four stack tests. Thereafter, the methane concentration

used to determine VOC emissions will be the average of the most recent four stack tests.

23. The NH₃ concentration in the Exhaust Stack shall be tested or calculated according to one of the methods listed below and shall be tested or calculated according to frequency listed below. Testing for NH₃ slip is only required on days when the SNCR unit is in operation. **(05/15)**
- A. The holder of this permit may install, calibrate, maintain, and operate a CEMS to measure and record the concentrations of NH₃. The NH₃ concentrations shall be corrected and reported in accordance with Special Condition No. 5 above.
 - B. The NH₃ slip may be measured using a sorbent or stain tube device specific for NH₃ measurement in the appropriate range. The frequency of sorbent or stain tube testing shall be monthly.
 - (1) If the sorbent or stain tube testing indicates an ammonia (NH₃) slip concentration that exceeds 35 parts per million (ppm) at any time, the permit holder shall begin NH₃ testing by either the Phenol-Nitroprusside Method, the Indophenol Method, or EPA Conditional Test Method (CTM) 27 on a quarterly basis in addition to the monthly sorbent or stain tube testing.
 - (2) If the quarterly testing indicates NH₃ slip is 35 ppm or less, the Phenol Nitroprusside Indophenol CTM 27 tests may be suspended until sorbent or stain tube testing again indicate 35 ppm NH₃ slip or greater.
 - C. The permit holder may install and operate a second NO_x CEMS probe located between the kiln and the SNCR, upstream of the stack NO_x CEMS, which may be used in association with the SNCR efficiency and NH₃ injection rate to estimate NH₃ slip. This condition shall not be construed to set a minimum NO_x reduction efficiency on the SNCR unit.
 - D. The permit holder may install and operate a dual stream system of NO_x CEMS at the exit of the SNCR. One of the exhaust streams would be routed, in an unconverted state, to one NO_x CEMS, and the other exhaust stream would be routed through a NH₃ converter to convert NH₃ to NO_x and then to a second NO_x CEMS. The NH₃ slip concentration shall be calculated from the delta between the two NO_x CEMS readings (converted and unconverted).
 - E. Any other method used for measuring NH₃ slip shall require prior written approval from the TCEQ Air Permits Division in Austin.
24. The holder of this permit shall install, calibrate and maintain systems and operate such systems as necessary to control contaminants regulated by 40 CFR 63, Subpart LLL to the emission limits set in Special Condition 4. Line 2 (EPN 62*) will have an RTO system and Line 1 (EPN 7*) will have an SCR-THC system. **(05/15)**
25. Regional Notification

- A. The TCEQ Regional Director shall be notified as soon as possible after the discovery of any CEMS, COMS, or CPMS 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 CEMS, COMS, or CPMS downtime.
- B. 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.

Planned Maintenance, Startup, and Shutdown (10/14)

- 26. The holder of this permit shall minimize emissions during planned MSS activities by operating the facility and associated air pollution control equipment in accordance with good air pollution control practices, safe operating practices, and protection of the facility.
- 27. Planned startup and shutdown activities associated with the kilns shall comply with the following definitions and requirements to minimize emissions:
 - A. A planned startup of the kiln is defined as the period starting when the kiln's induced draft fan is turned on and fuel is fired in the main burner and ending when feed is being continuously introduced into the kiln for at least 120 minutes or when the feed rate exceeds 90 tons per hour, whichever occurs first.
 - B. A planned shutdown of the kiln is defined as the period starting when feed to the kiln is halted and ending when continuous kiln rotation ceases. A planned shutdown of the kiln is limited to 48 hours.
- 28. Compliance with the emissions limits for planned maintenance activities identified in this permit shall be demonstrated as follows.
 - A. For ILE planned maintenance activities (Attachment A):
 - (1) The total emissions from all ILE planned maintenance activities shall be considered to be no more than the estimated potential to emit for those activities that are represented in the MSS permit amendment application and subsequent associated submittals.
 - (2) The permit holder shall annually confirm the continued validity of the estimated potential to emit as represented in the MSS permit amendment application and subsequent associated submittals.
 - B. For each pollutant emitted during non-ILE planned maintenance activities (Attachment B), the permit holder shall do the following for each calendar month.
 - (1) Determine the total emissions of the pollutant that result from such non-ILE planned maintenance activities in accordance with the methods listed in Special Condition No. 29.

- (2) Compare the pollutant's short-term (hourly) emissions during planned maintenance activities, as determined using one of the methods listed in Special Condition No. 29, to the applicable short-term planned MSS emissions limit in the MAERT.
 - (3) Once the pollutant's emissions during planned maintenance activities have been measured for 12 months after the MSS permit amendment is issued, compare the rolling 12-month emissions of the pollutant, as determined using the monthly emission totals, to the applicable annual planned MSS emissions limit in the MAERT.
29. Emissions from planned MSS activities authorized by this permit shall be determined by the use of an appropriate method, including but not limited to any of following methods:
 - A. Use of a CEMS. If emission concentrations measured by the CEMS during MSS activities exceed the maximum value of the range over which the CEMS is certified, additional information must be provided to justify the use of the CEMS data in the MSS emission determination. The additional information may include use of default values that are shown to conservatively estimate the actual emissions.
 - B. Use of emission factors including but not limited to, facility-specific parameters, manufacturer's emission factors, and/or engineering knowledge of the facility's operations.
 - C. Use of emissions data measured (by a CEMS or during emissions testing) during the same type of planned MSS activity occurring at or on an identical or similar facility, and correlation of that data with the facility's relevant operating parameters, including, but not limited to, temperature, fuel input, or fuel sulfur content.
 - D. Use of emissions testing data collected during a planned maintenance activity occurring at or on the facility, and correlation of that data with the facility's relevant operating parameters, including, but not limited to, temperature, fuel input, or fuel sulfur content.
30. The permit holder will net out of Prevention of Significant Determination (PSD) Review for CO. The reduction of CO emissions relied upon for netting shall occur no later than the commencement of operation of the SCR-THC system for Line 1 (EPN 7*) and the permit holder will operate the RTO system on Line 2 (EPN 62*) as necessary for the additional control of CO emissions such that the combined total CO emissions from Line 1 (EPN 7*) and Line 2 (EPN 62*) shall not exceed 4,303 tons per year of CO on a 12-month rolling average. **(05/15)**

Aqueous Ammonia (05/15)

31. The permit holder shall maintain prevention and protection measures for the NH₃ storage system. The NH₃ storage tank area will be marked and protected so as to protect the NH₃ storage area from accidents that could cause a rupture. The aqueous ammonia stored shall have a concentration of less than 20% NH₃ by weight.

32. In addition to the requirements of Special Condition No. 31, the permit holder shall maintain the piping and valves in NH₃ service as follows:
- A. Audio, visual, and olfactory (AVO) checks for NH₃ leaks shall be made once every 24 hours when the kiln(s) are operating.
 - B. Immediately, but no later than 24 hours upon detection of a leak, following the detection of a leak, plant personnel shall take one or more of the following actions:
 - (1) Locate and isolate the leak, if necessary.
 - (2) Commence repair or replacement of the leaking component.
 - (3) Use a leak collection or containment system to control the leak until repair or replacement can be made if immediate repair is not possible.

Recordkeeping Requirements

33. The following records shall be kept and made available upon request to the TCEQ or any air pollution control program having jurisdiction. Records shall be maintained on-site on a rolling five-year retention basis.
- A. Alternative fuels:
 - (1) The source and date received;
 - (2) Amount received in pounds (or gallons for liquids);
 - (3) A description of the material;
 - (4) Estimated fuel HHV in Btu per pound (or Btu/gallon for liquids);
 - (5) Number of pounds fired (or gallons fired for liquids) and date/time fired;
 - (6) Percentage of TDF fed into the kiln system (kiln and precalciner) on an hourly, HHV basis; and
 - (7) Percentage of total alternative fuel fed into the kiln system (kiln and precalciner) on an hourly, HHV basis.
 - (8) Records as specified in Special Condition No. 6.D for other non-waste fuels. **(1/13)**
 - B. Records to demonstrate compliance with the 5.3 tons per day NO_x combined kiln cap limit, 30-day rolling average, beginning on March 31 and ending on October 31 of each calendar year. **(3/11)**
 - C. SO₂ scrubber records. For each scrubber:
 - (1) Uptime (in hours) as a percentage of kiln operating hours;
 - (2) Scrubbing liquid pH and flow rate recorded at least once per hour; and
 - (3) Downtime (in hours) of the raw mill when the scrubber is down.

- D. Records of MSS, including the following, to demonstrate compliance with Special Condition Nos. 27 through 29 and the MAERT: **(10/14)**
 - (1) Records of startup and shutdown of the kilns, including the date, time, duration, and emissions associated with those activities.
 - (2) Records of non-ILE planned maintenance activities and the associated emissions.
 - (3) Records of ILE planned maintenance activities and annual validations.
- E. Records to demonstrate compliance with the combined CO limit of 4,303 tons per year for Line 1 (EPN 7*) and Line 2 (EPN 62*) on a 12 month rolling average. **(05/15)**
- F. A copy of this permit. **(05/15)**
- G. A complete copy of the testing reports and records of the initial performance testing and initial determination of compliance completed pursuant to Special Condition No. 18 to demonstrate initial compliance. **(05/15)**
- H. Stack sampling results or other air emissions testing (other than CEMS data) that may be conducted on units authorized under this permit after the date of issuance of this permit. **(05/15)**
- I. Records of NH₃ concentrations monitored or calculated pursuant to Special Condition No. 23 and the corresponding NH₃ emissions. Records of NH₃ AVO checks pursuant to Special Condition No. 32. **(05/15)**
- J. Records of NO_x, CO, diluent gases (O₂ or CO₂), SO₂, THC, and Hg CEMS emissions data, as applicable, and continuous flow rate monitoring data to demonstrate compliance with the emission rates listed in the MAERT. **(05/15)**
- K. Records of COMS data for the EPNs required by this permit to have one installed. **(05/15)**
- L. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems. **(05/15)**
- M. Records of methane concentrations and VOC emissions calculated pursuant to Special Condition No. 22. **(05/15)**
- N. All monitoring data and quality-assurance data shall be maintained by the source for a period of five years and shall be made available to the Executive Director of the TCEQ or designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit. **(05/15)**
- O. Records to demonstrate compliance with limits for PM, THC or OHAP, Hg, D/F, and HCl as specified in Special Conditions 4 and 22. **(05/15)**

Reporting Requirements

34. The holder of this permit shall submit two copies of quarterly monitoring (CEMS, CERMS, COMS, or CPMS) reports to the TCEQ Dallas/Fort Worth Regional Office in a format specified by the TCEQ Regional Office. All reports must 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, CERMS, COMS, or CPMS have not been inoperative, repaired, or adjusted, such information shall be stated in the report. **(05/15)**
 - H. The total tons of SO₂, NO_x, and CO emitted during the quarter from Kilns 1 and 2 (EPNs 7* and 62*) prior to the installation of the Oxidation Control Systems; the total tons of NO_x, CO, SO₂, VOC, and Hg emitted during the quarter from the Kilns 1 and 2 following installation of the Oxidation Control Systems (EPNs 7* and 62*); the total hours of kiln operation; and the total hours of raw mill operation during the quarter. **(05/15)**
 - 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.
35. For the purposes of reporting pursuant to Special Condition Nos. 1 and 34, excess emissions from the kiln stacks are defined as follows: **(3/11)**

- A. Excess emissions of NO_x are each daily period of operation during which the combined Kiln 1 and Kiln 2, 30-day rolling average emissions of NO_x, as measured and recorded by the CERMS, exceed the emission limitations of the MAERT. 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 CPMS, exceed the opacity limitations of Special Condition No. 10.
36. 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.
37. The table below lists the maintenance-related sources or activities that are authorized by permits by rule (PBR) under Title 30 Texas Administrative Code (30 TAC) Chapter 106, or as De Minimis sources under 30 TAC § 116.119. This list is not intended to be all inclusive and can be altered at the site without modifications to this permit. **(10/14)**

Source or Activity	Authorization
Application of aqueous detergents, surfactants, and other cleaning solutions containing not more than one percent of any organic compound by weight or containing not more than five percent of any organic compound with a vapor pressure less than 0.002 pounds per square inch absolute	De Minimis
Lab sampling and analysis	De Minimis
Manual applications of cleaning or stripping solutions or coatings for maintenance, including applications using brushes, cloth pads, sponges, droppers, tube dispensing equipment, or spray bottles and pump-up sprayers without aerosol propellants	De Minimis
Office cleaning activities	De Minimis
Yard work and landscaping	De Minimis
Pesticides, insecticides, and fumigation	De Minimis
Inorganic chemical usage	De Minimis
Application of aerosol-propelled organic liquids using hand-held devices for maintaining equipment and other facilities where usage is no	De Minimis

Source or Activity	Authorization
more than four aerosol cans or 64 ounces per day on a 12-month rolling average basis	
Application of lubricants (including greases and oils) without aerosol propellants	De Minimis
Blast cleaning equipment using only water as the cleaning media	De Minimis
Comfort air conditioning systems or comfort ventilation systems	De Minimis
Refrigeration system repair	De Minimis
Brazing, soldering, and welding	PBR 30 TAC § 106.227
Maintenance painting; maintenance chemicals	PBR 30 TAC § 106.263
Enclosed and outdoor dry abrasive blasting	PBR 30 TAC § 106.263
Hand-held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding, or turning of ceramic art work, ceramic precision parts, leather, metals, plastics, fiber board, masonry, carbon, glass, graphite, or wood	PBR 30 TAC § 106.265
Solvent cleaning, parts degreaser	PBR 30 TAC § 106.454
Emergency engines and portable small engines, over 12 months on site, including startup and shutdown	PBR 30 TAC § 106.511
Sludge management	PBR 30 TAC § 106.532
Organic chemical usage for water treatment	PBR 30 TAC § 106.532

38. This permit does not include the facilities or operations at the site identified in the following table. Instead, these facilities or operations are authorized under standard permit (SP) by 30 TAC Chapter 116 or permit by rule (PBR) by 30 TAC Chapter 106. This list is not intended to be all inclusive and can be altered at the site without modification to this permit. **(10/14)**

Source Description	Source Name	EPNs	Rule(s)	Reg. No. ⁽¹⁾
Non-hazardous, organic-containing liquid fuels	Storage tanks and piping	FUG-1	Pollution Control SP § 116.602	70582
Type II cement and Alternative raw material	Line 2 raw mill feed bins baghouse Stack No. 2	79 ^{*(2)}	PBRs §§ 106.144, 106.264	56768
	Raw material handling	84 ^{*(2)}		

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Source Description	Source Name	EPNs	Rule(s)	Reg. No. ⁽¹⁾
	baghouse Stack No. 1			
Limestone screening system	Reserve pile	38N*	PBR § 106.261	74558
	Raw material pile and reclaimers	40D* 40E*		
Line 2 raw mill airslide passive vents	Airslide vent No. 1	86*	PBR § 106.144	74694
	Airslide vent No. 2	87*		
Synthetic gypsum to finish mills	Dewatering pile to FEL	38R*	PBR § 106.261	76083
	FEL to storage building	38S*		
	Conveyor to bin drop	38Q*		
	Dewatering pile	38T*		
	Finish mills pile	38U*		
On-site shale mining	Emergency water pump	39A*	PBRs §§ 106.261, 106.472, 106.511	76527
	Overburden to dump truck	39B*		
	Overburden to crusher	39C*		
	Shale to dump truck	39D*		
	Reserve shale pile	38V*		
Reserve clinker storage pile	Pile and material transfer	38Y*	PBR § 106.261	80423
	Material transfer	38Z*		
	Finish mills feed hopper	38J*		
Coal and petcoke additional storage	Existing coal storage pile	38A*	PBRs §§ 106.144, 106.264	84171
	New coal storage pile	38AA*		
	New petcoke storage pile	38AB*		
	New coal bin to existing dust collector EPN 13*	38AC*		
	New conveyor belts, and diverter and silo gates	13 ^{*(2)}		
Solid fuels hopper	Loader to hopper – 1	38H1*	PBRs §§ 106.261, 106.262	94642
	Loader to hopper – 2	38H2*		
	Conveyor transfer point	38H3*		
Limestone screening	Lower bench (LB) crusher	75A*	PBR § 106.261	96989
	Screen	75C*		
	Conveyor to screen pile	75D*		
	Screened limestone pile	75E*		
	FEL to LB crusher	PLANTFUG		
Solid fuel screening	Screen hopper	38AD*	PBRs §§ 106.261, 106.262	98215
	Screen dust collector	38AE*		
	Conveyor belt No. 1	38AF*		
	Conveyor belt No. 2	38AG*		
	Conveyor belt No. 3	38AH*		

Special Conditions
 Permit Numbers 8996 and PSDTX454M4
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Source Description	Source Name	EPNs	Rule(s)	Reg. No. ⁽¹⁾
	Storage pile No. 1	38AI*		
	Storage pile No. 2	38AJ*		
	Storage pile No. 3	38AK*		
Plant-wide degreasing operations	Quarry, mobile, lube, and maintenance shops	GRPDEGREAS	PBR § 106.454	77035
Site-wide tanks	Gasoline and diesel fuel tanks	GRPTANKS	PBRs §§ 106.412, 106.472, 106.473	N/A ⁽³⁾
Site-wide engines	Emergency engines	GRPEMENGs	PBR § 106.511	N/A ⁽³⁾
Comfort heaters	Comfort heaters	GRPCOMHTR	PBR § 106.102	N/A ⁽³⁾

- ⁽¹⁾ TCEQ New Source Review Air Permit Registration Number.
- ⁽²⁾ Emissions from named source only; the EPN includes permitted sources on MAERT.
- ⁽³⁾ These PBRs do not require registration.

Date: **MAY 12 2015**

Attachment A

Permit Numbers 8996 and PSDTX454M4

Inherently Low-Emitting Maintenance Activities

Planned Maintenance Activity	VOC	NO_x	CO	PM	SO₂
Material handling system maintenance				X	
Material handling system maintenance (air guns)				X	
Miscellaneous particulate filter maintenance				X	
Cartridge particulate filter maintenance				X	
Kiln particulate filter maintenance				X	
CEMS calibration	X	X	X		X
Lube oil/Grease maintenance	X				
Refractory maintenance operations				X	
Deslagging maintenance of kiln/preheater/cooler		X	X	X	
Gaseous fuel venting	X				
Storage vessel emptying	X				

Date: MAY 12 2015

Attachment B

Permit Numbers 8996 and PSDTX454M4

Non-Inherently Low-Emitting Maintenance Activities

Planned Maintenance Activity	VOC	NO_x	CO	PM	SO₂
Vacuum truck loading				X	
Vacuum truck unloading				X	

Date: **MAY 12 2015**

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 8996 and PSDTX454M4

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 (4)	
			lbs/hour	TPY (5)
7*	Kiln Line 1, Bypass Baghouse, and Coal Mill Baghouse	CO (6)	1,939	3,556
		CO (7)	2,172	--
		PM/PM ₁₀ /PM _{2.5} (filterable)	24	104
		PM/PM ₁₀ /PM _{2.5} (condensable)	353	155
		PM/PM ₁₀ /PM _{2.5} (condensable, 24 hr)	35.37	---
		PM/PM ₁₀ /PM _{2.5} (total)	377	259
		SO ₂ (1-hour)	2,600	--
		SO ₂ (3-hour)	2,300	--
		SO ₂ (24-hour)	1,900	--
		SO ₂ (annual)	--	1,769
		TRS	15	18
		H ₂ SO ₄	180	71
		VOC	292	438
		Total OHAPs (30-operating day rolling ave excluding startup / shutdown [SU/SD]) (7)	63	---
Speciated Compounds	See Attachment I			
62*	Kiln Line 2, Bypass Baghouse, and Coal Mill Baghouse	CO (6)	1,939	3,556
		CO (7)	1,939	--
		PM/PM ₁₀ /PM _{2.5} (filterable)	32	138

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
		PM/PM ₁₀ /PM _{2.5} (condensable)	353	154
		PM/PM ₁₀ /PM _{2.5} (condensable, 24 hr)	35.22	---
		PM/PM ₁₀ /PM _{2.5} (total)	385	292
		SO ₂ (1-hour)	2,600	--
		SO ₂ (3-hour)	2,300	--
		SO ₂ (24-hour)	1,900	--
		SO ₂ (annual)	--	1,769
		TRS	15	18
		H ₂ SO ₄	180	71
		VOC (6)	292	438
		VOC (7)	292	219
		Total OHAPs (30-operating day rolling ave excluding SU/SD) (7)	63	---
		Speciated Compounds	See Attachment I	
		7* and 62*	Combined Kiln Lines 1 and 2 Emission Limits	CO (7)	---	4,303
Compliance Period (8)	Tons/day			Total tons
NO _x , November 1 through March 30	15.3			2,310
NO _x , March 31 through October 31	5.3			1,140
NO _x , Annual (12-month rolling)	---			3,450

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
1A*	Primary (Upper Bench) Limestone Crusher	PM	0.28	0.25
		PM ₁₀	0.13	0.12
1B*	Primary (Upper Bench) Limestone Crusher	PM	0.72	3.15
		PM ₁₀	0.72	3.15
		CO	11.18	48.97
		NO _x	8.09	35.43
		SO ₂	1.08	4.73
		VOC	1.43	6.26
2*	Secondary Crusher Baghouse Stack	PM	0.77	1.69
		PM ₁₀	0.77	1.69
3*	Raw Material Transfer Point Baghouse Stack	PM	0.34	0.75
		PM ₁₀	0.34	0.75
4*	Conveyor Belt Transfer Baghouse Stack	PM	0.70	1.53
		PM ₁₀	0.70	1.53
5*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.93	2.03
		PM ₁₀	0.93	2.03
6*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.93	2.03
		PM ₁₀	0.93	2.03
8*	Rotary Kiln Feed Silo Upper Baghouse Stack	PM	1.04	2.28
		PM ₁₀	1.04	2.28
9*	Rotary Kiln Feed Silo Lower Baghouse Stack	PM	0.87	1.91
		PM ₁₀	0.87	1.91
11*	Waste Bypass Dust Baghouse Stack	PM	0.18	0.38
		PM ₁₀	0.18	0.38

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
12*	Coal Handling Baghouse Stack	PM	0.80	1.76
		PM ₁₀	0.80	1.76
13*	Coal Storage Bin Baghouse Stack	PM	0.33	0.71
		PM ₁₀	0.33	0.71
14*	Clinker Conveyor Transfer Point Baghouse Stack	PM	0.22	0.48
		PM ₁₀	0.22	0.48
15*	Clinker Conveyor Baghouse Stack	PM	0.29	0.64
		PM ₁₀	0.29	0.64
16*	Gypsum Silo Baghouse Stack	PM	0.12	0.27
		PM ₁₀	0.12	0.27
17*	Upper Clinker Silos Baghouse Stack	PM	0.45	0.99
		PM ₁₀	0.45	0.99
18*	Gypsum Weigh Feeder Baghouse Stack	PM	0.16	0.36
		PM ₁₀	0.16	0.36
19*	Clinker Feeder No. 7 Baghouse Stack	PM	0.15	0.32
		PM ₁₀	0.15	0.32
20*	Clinker Feeder No. 1 Baghouse Stack	PM	0.15	0.32
		PM ₁₀	0.15	0.32
21*	Clinker Feeder No. 6 Baghouse Stack	PM	0.15	0.32
		PM ₁₀	0.15	0.32
22*	Clinker Feeder No. 4 Baghouse Stack	PM	0.15	0.32
		PM ₁₀	0.15	0.32
23* & 29*	Finish Mill System No. 1 and No. 2 Baghouse Stack	PM	13.62	59.68
		PM ₁₀	13.62	59.68

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
24*	Gypsum Weigh Feeder Baghouse Stack	PM	0.16	0.36
		PM ₁₀	0.16	0.36
25*	Clinker Weigh Feeder No. 2 Baghouse Stack	PM	0.15	0.32
		PM ₁₀	0.15	0.32
26*	Clinker Weigh Feeder No. 5 Baghouse Stack	PM	0.15	0.32
		PM ₁₀	0.15	0.32
27*	Clinker Weigh Feeder No. 3 Baghouse Stack	PM	0.15	0.32
		PM ₁₀	0.15	0.32
28*	Clinker Weigh Feeder No. 8 Baghouse Stack	PM	0.15	0.32
		PM ₁₀	0.15	0.32
30*	Cement Silo No. 1 Discharge Baghouse Stack	PM	0.25	0.55
		PM ₁₀	0.25	0.55
31*	Cement Silo No. 2 Discharge Baghouse Stack	PM	0.37	0.81
		PM ₁₀	0.37	0.81
32*	Cement Silo No. 4 Discharge Baghouse Stack	PM	0.25	0.55
		PM ₁₀	0.25	0.55
33*	Cement Silo No. 5 Discharge Baghouse Stack	PM	0.46	1.02
		PM ₁₀	0.46	1.02
34*	Cement Silo No. 7 Discharge Baghouse Stack	PM	0.25	0.55
		PM ₁₀	0.25	0.55
35*	Cement Silo No. 8 Discharge Baghouse Stack	PM	0.37	0.81
		PM ₁₀	0.37	0.81
36*	Cement Silo No. 1 Filling Baghouse Stack	PM	1.14	2.49
		PM ₁₀	1.14	2.49

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
37*	Cement Silo No. 7 Filling Baghouse Stack	PM	0.58	1.27
		PM ₁₀	0.58	1.27
42*	Shale Crusher Discharge Baghouse Stack	PM	0.38	0.83
		PM ₁₀	0.38	0.83
43*	Line No. 2 Raw Mill Feed Bins Baghouse Stack No. 1	PM	0.76	1.67
		PM ₁₀	0.76	1.67
44*	Raw Mill Discharge Airslide Baghouse Stack	PM	0.24	0.52
		PM ₁₀	0.24	0.52
45*	Kiln Feed System No. 1 Baghouse Stack	PM	0.29	0.62
		PM ₁₀	0.29	0.62
46*	Blending Silo Upper Baghouse Stack	PM	0.24	0.52
		PM ₁₀	0.24	0.52
47*	Blending Silo Lower Baghouse Stack	PM	0.48	1.04
		PM ₁₀	0.48	1.04
48*	Kiln Feed System No. 2 Baghouse Stack	PM	0.29	0.62
		PM ₁₀	0.29	0.62
49*	Pan Conveyor Under Clinker Cooler Baghouse Stack	PM	0.28	0.61
		PM ₁₀	0.28	0.61
50*	Dust Bin Baghouse Stack	PM	0.29	0.62
		PM ₁₀	0.29	0.62
51*	Clinker Silo No. 1 Discharge Baghouse Stack (North)	PM	0.07	0.15
		PM ₁₀	0.07	0.15
52*	Clinker Silo No. 1 Discharge Baghouse Stack (South)	PM	0.07	0.15
		PM ₁₀	0.07	0.15

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
53*	Slag/Gypsum Bins and Belt Discharge Baghouse Stack	PM	0.76	1.67
		PM ₁₀	0.76	1.67
54*	Clinker Silo No. 2 Discharge Baghouse Stack (North)	PM	0.07	0.15
		PM ₁₀	0.07	0.15
55*	Clinker Silo No. 2 Discharge Baghouse Stack (South)	PM	0.07	0.15
		PM ₁₀	0.07	0.15
56*	Clinker Silo Feeder Baghouse Stack	PM	0.76	1.67
		PM ₁₀	0.76	1.67
57*	Clinker Conveyor Transfer Point Baghouse Stack	PM	0.24	0.52
		PM ₁₀	0.24	0.52
58*	Belt-Air-Slide Transfer Point 1 Baghouse Stack	PM	0.38	0.83
		PM ₁₀	0.38	0.83
59*	Belt-Air-Slide Transfer Point 2 Baghouse Stack	PM	0.48	1.04
		PM ₁₀	0.48	1.04
60*	Bulk Loading 1 Baghouse Stack	PM	0.52	1.15
		PM ₁₀	0.52	1.15
61*	Truck Loadout- 1 Baghouse Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02
63*	Rail Loadout- 1 Baghouse Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02
64*	Coal Mill Conveyor Baghouse Stack	PM	0.24	0.52
		PM ₁₀	0.24	0.52
65*	Truck Loadout- 2 Baghouse Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
66*	SKS & Cement Mill Baghouse Stack	PM	14.11	61.79
		PM ₁₀	14.11	61.79
67*	Cement Silo Filling Baghouse Stack (North)	PM	0.29	0.64
		PM ₁₀	0.29	0.64
68*	Cement Silo Filling Baghouse Stack (South)	PM	0.16	0.35
		PM ₁₀	0.16	0.35
69*	Truck/Rail Loadout Baghouse	PM	0.19	0.41
		PM ₁₀	0.19	0.41
70*	Truck/Rail Loadout Baghouse (North)	PM	0.19	0.41
		PM ₁₀	0.19	0.41
71*	Air-Slide Conveyor Baghouse Stack	PM	0.48	1.04
		PM ₁₀	0.48	1.04
72*	Pulverized Coal Bin Baghouse Stack	PM	0.02	0.05
		PM ₁₀	0.02	0.05
73*	Pulverized Coal Bin CO Analyzer Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
74*	Scrubber (Reagent-Feed) System 1- Line 1	PM	0.17	0.38
		PM ₁₀	0.17	0.38
75A*	Primary (Lower Bench) Limestone Crusher	PM	0.28	0.25
		PM ₁₀	0.13	0.12
75B*	Primary (Lower Bench) Limestone Crusher Engine	PM	0.39	1.71
		PM ₁₀	0.39	1.71
		CO	8.23	36.05

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
		NO _x	6.64	29.08
		SO ₂	0.90	3.94
		VOC	0.94	4.12
76*	Cooling Tower	PM	2.05	8.98
		PM ₁₀	2.05	8.98
77*	Line 1 Kiln Dust Bin Baghouse Stack	PM	0.48	2.1
		PM ₁₀	0.48	2.1
78*	Line 2 Dust Bin Baghouse Stack	PM	0.48	2.1
		PM ₁₀	0.48	2.1
79*	Line No. 2 Raw Mill Feed Bins Baghouse Stack No. 2	PM	0.27	0.59
		PM ₁₀	0.27	0.59
80*	Line No. 1 Raw Mill Feed Bins Baghouse Stack No. 3	PM	0.27	0.59
		PM ₁₀	0.27	0.59
81*	Clinker Silo De-Dusting Baghouse Stack No. 1	PM	0.66	1.45
		PM ₁₀	0.66	1.45
82*	Clinker Silo De-Dusting Baghouse Stack No. 2	PM	0.22	0.48
		PM ₁₀	0.22	0.48
83*	Clinker Silo De-Dusting Baghouse Stack No. 3	PM	0.22	0.48
		PM ₁₀	0.22	0.48
84*	Raw Material Handling Baghouse Stack No. 1	PM	0.54	1.18
		PM ₁₀	0.54	1.18
85*	Raw Material Handling Baghouse Stack No. 2	PM	0.27	0.59

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
		PM ₁₀	0.27	0.59
ROADS	Plant-Wide Roads (9)	PM	15.44	67.59
		PM ₁₀	7.72	33.82
PLANTFUG	Plant-Wide Fugitives (9)	PM	5.94	15.12
		PM ₁₀	2.90	7.43
MSSFUG1	Inherently Low Emitting (ILE) Planned Maintenance Activities (9)	NO _x	0.03	0.02
		CO	0.34	0.04
		SO ₂	<0.01	<0.01
		VOC	68.07	0.06
		PM	14.69	0.41
		PM ₁₀	6.93	0.16
		PM _{2.5}	1.06	0.03
MSSFUG2	Non-ILE Planned Maintenance Activities (Vacuum truck loading and unloading) (9)	PM	6.17	1.78
		PM ₁₀	3.19	1.24
		PM _{2.5}	0.67	0.45

(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_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented

PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations (CFR) Part 63, Subpart C

Emission Sources - Maximum Allowable Emission Rates

TRS	- total reduced sulfur
H ₂ SO ₄	- sulfuric acid
Speciated Compounds	- See Attachment I
OHAP	- organic hazardous air pollutants as defined in 40 CFR § 63.1341
Total OHAP	- sum of concentrations of compounds of formaldehyde, benzene, toluene, styrene, m-xylene, p-xylene, o-xylene, acetaldehyde, and naphthalene as measured by EPA Test Method 320 or Method 18, Appendix A, 40 CFR 60.

- (4) Planned maintenance, startup, and shutdown (MSS) emissions are included.
- (5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Emission limits shall be effective until the oxidation control systems (SCR-THC for Line 1 and RTO for Line 2) are installed and operational.
- (7) Emission limits shall become effective after oxidation control systems (SCR-THC for Line 1 and RTO for Line 2) are installed and operational.
- (8) Demonstration of compliance with 30-day rolling limit begins on first day of stated period. The control period for the March 31 limit effectively begins on March 1. Reference: 30 TAC § 117.3123.
- (9) Emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.

Date: **MAY 12 2015**

ATTACHMENT I: Emission Sources - Maximum Allowable Emission Rates, Speciated Compounds

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 (24-hour rolling avg.)	24.46	--
		Ammonia	--	107.15
		Ammonium Chloride	3.86	14.78
		Arsenic	3.53E-03	0.01
		Barium	0.09	0.34
		Benzaldehyde	0.45	1.72
		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 (30-operating day rolling ave excluding SU/SD)	4.49	--
		Hydrogen Chloride	--	19.66
		Iron	0.17	0.65
Lead	0.02	0.08		
Manganese (fumes)	0.01	0.04		
Mercury (30-operating day rolling ave excluding SU/SD)	0.01	--		
Mercury	--	0.04		

ATTACHMENT I: Emission Sources - Maximum Allowable Emission Rates, Speciated Compounds

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	Methyl Indene	2.02	7.74
		Methyl Mercaptan	0.46	1.76
		Methyl Styrene	0.01	0.04
		Methylene Chloride	0.10	0.38
		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
		Thallium	1.65E-03	0.01
		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
Zinc	0.07	0.27		

ATTACHMENT I: Emission Sources - Maximum Allowable Emission Rates, Speciated Compounds

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
62*	Kiln No. 2 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Aluminum	0.12	0.46
		Ammonia (24-hour rolling avg.)	24.46	--
		Ammonia	--	107.15
		Ammonium Chloride	3.86	14.78
		Arsenic	3.53E-03	0.01
		Barium	0.09	0.34
		Benzaldehyde	0.45	1.72
		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 (30-operating day rolling ave excluding SU/SD)	4.49	--
		Hydrogen Chloride	--	19.66
		Iron	0.17	0.65
Lead	0.02	0.08		
Manganese (fumes)	0.01	0.04		
Mercury (30-operating day rolling ave excluding SU/SD)	0.01	--		

ATTACHMENT I: Emission Sources - Maximum Allowable Emission Rates, Speciated Compounds

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
62*	Kiln No. 2 Main Bypass Baghouse, Coal Mill Baghouse and Scrubber Stack	Mercury	--	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
		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
		Thallium	1.65E-03	0.01
		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		
Zinc	0.07	0.27		

(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.

ATTACHMENT I: Emission Sources - Maximum Allowable Emission Rates, Speciated Compounds

- (3) 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.

Date: MAY 12 2015