

## CLASS II AIR QUALITY PERMIT

### DRAFT PERMIT No. 97152

**PERMITTEE:** CEMEX Construction Materials South, LLC  
**FACILITY:** CEMEX – Camp Verde Plant  
**PLACE ID:** 17463  
**DATE ISSUED:** **Date Pending**  
**EXPIRY DATE:** **Date Pending**

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### SUMMARY

This Class II synthetic minor air quality permit is issued to CEMEX Construction Materials South, LLC, the Permittee, for the continued operation of a stationary crushing and screening plant as well as concrete batch plant. The facility will not operate in Maricopa, Pima or Pinal Counties. This permit renews and supersedes Permit No. 70156.

The facility has production limits of 5,000 tons per day of aggregate, and 3,840 cubic yards per day of concrete. Additionally, the portable High Speed Impact (HSI) crushing plant has a throughput limit of 615,000 tons per year. The uncontrolled emissions from this facility are greater than the major source thresholds identified in Arizona Administrative Code (A.A.C.) R18-2-401.13. The facility has taken voluntary limits in order to reduce its potential to emit to a level below these thresholds. Therefore, a Class II synthetic minor air quality permit is required for this facility in accordance with A.A.C. R18-2-302.B.2.a.

This permit is issued in accordance with Arizona Revised Statutes (ARS) 49-426. It contains requirements from Title 18, Chapter 2 of the A.A.C. and Title 40 of the Code of Federal Regulations (CFR). All definitions, terms, and conditions used in this permit conform to those in the Arizona Administrative Code R18-2-101 et. seq. (A.A.C.) and Title 40 of the CFR, except as otherwise defined in this permit.

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**ATTACHMENT "A": GENERAL PROVISIONS**

**I. PERMIT EXPIRATION AND RENEWAL**

- A.** This permit is valid for a period of five (5) years from the date of issuance.  
[ARS § 49-426.F, A.A.C. R18-2-306.A.1]
- B.** The Permittee shall submit an application for renewal of this permit at least six (6) months, but not more than eighteen (18) months, prior to the date of permit expiration.  
[A.A.C. R18-2-304.D.2]

**II. COMPLIANCE WITH PERMIT CONDITIONS**

- A.** The Permittee shall comply with all conditions of this permit including all applicable requirements of the Arizona Revised Statutes (A.R.S.) Title 49, Chapter 3, and the air quality rules under Title 18, Chapter 2 of the Arizona Administrative Code. Any permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. In addition, noncompliance with any federally enforceable requirement constitutes a violation of the Clean Air Act.  
[A.A.C. R18-2-306.A.8.a]
- B.** It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
[A.A.C. R18-2-306.A.8.b]

**III. PERMIT REVISION, REOPENING, REVOCATION AND REISSUANCE, OR TERMINATION FOR CAUSE**

- A.** The permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.  
[A.A.C. R18-2-306.A.8.c]
- B.** The permit shall be reopened and revised under any of the following circumstances:
1. The Director or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; and  
[A.A.C. R18-2-321.A.1.c]
  2. The Director or the Administrator determines that the permit needs to be revised or revoked to assure compliance with the applicable requirements.  
[A.A.C. R18-2-321.A.1.d]
- C.** Proceedings to reopen and issue a permit, including appeal of any final action relating to a permit reopening, shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening

shall be made as expeditiously as practicable. Permit reopenings shall not result in a resetting of the five-year permit term.

[A.A.C. R18-2-321.A.2]

#### **IV. POSTING OF PERMIT**

**A.** The Permittee shall post this permit or a certificate of permit issuance on location where the equipment is installed in such a manner as to be clearly visible and accessible. All equipment covered by this permit shall be clearly marked with one of the following:

[A.A.C. R18-2-315.A]

1. Current permit number; or
2. Serial number or other equipment ID number that is also listed in the permit to identify that piece of equipment.

**B.** A copy of the complete permit shall be kept on site.

[A.A.C. R18-2-315.B]

#### **V. FEE PAYMENT**

The Permittee shall pay fees to the Director pursuant to ARS § 49-426(E) and A.A.C. R18-2-326.

[A.A.C. R18-2-306.A.9 and -326]

#### **VI. EMISSIONS INVENTORY QUESTIONNAIRE**

1. The Permittee shall complete and submit to the Director an emissions inventory questionnaire no later than June 1 every three years beginning June 1, 2021. At the Director's request, the Permittee may be required to complete and submit emissions inventory questionnaires in addition to the triennial emissions inventory questionnaire. The Director shall notify the Permittee in writing of the decision to require additional emissions inventory questionnaires.

[A.A.C. R18-2-327.A.1.b]

2. The emissions inventory questionnaire shall be on an electronic or paper form provided by the Director and shall include the information required by A.A.C. R18-2-327.A.3 for the previous calendar year.

[A.A.C. R18-2-327.A.3]

3. The Permittee shall submit to the Director an amendment to an emissions inventory questionnaire, containing the documentation required by A.A.C. R18-2-327.A.3, whenever the Permittee discovers or receives notice, within two years of the original submittal, that incorrect or insufficient information was submitted to the Director by a previous emissions inventory questionnaire. The amendment shall be submitted to the Director within 30 days of discovery or receipt of notice. If the incorrect or insufficient information resulted in an incorrect annual emissions fee, the Director shall require that additional payment be made or shall apply an amount as a credit to a future annual emissions fee. The submittal of an amendment shall not subject the Permittee to an enforcement action or a civil or criminal penalty if the original submittal of incorrect or insufficient information was not due to willful neglect.

[A.A.C. R18-2-327.A.4]

**VII. COMPLIANCE CERTIFICATION**

- A.** The Permittee shall submit a compliance certification to the Director annually which describes the compliance status of the source with respect to each permit condition. The certification shall be submitted no later than February 15th, and shall report the compliance status of the source during the period between January 1st and December 31st of the previous year.  
[A.A.C. R18-2-309.2.a]
- B.** The compliance certifications shall include the following:
1. Identification of each term or condition of the permit that is the basis of the certification;  
[A.A.C. R18-2-309.2.c.i]
  2. Identification of the methods or other means used by the Permittee for determining the compliance status with each term and condition during the certification period;  
[A.A.C. R18-2-309.2.c.ii]
  3. Status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certifications shall identify each deviation (including any deviations reported pursuant to Condition XII.B of this Attachment) during the period covered by the certification and take it into account for consideration in the compliance certification  
[A.A.C. R18-2-309.2.c.iii]
  4. Other facts the Director may require in determining the compliance status of the source.  
[A.A.C. R18-2-309.2.c.iv]
- C.** A progress report on all outstanding compliance schedules shall be submitted every six months beginning six months after permit issuance.  
[A.A.C. R18-2-309.5.d]

**VIII. CERTIFICATION OF TRUTH, ACCURACY AND COMPLETENESS**

Any document required to be submitted by this permit, including reports, shall contain a certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.  
[A.A.C. R18-2-309.3]

**IX. INSPECTION AND ENTRY**

Upon presentation of proper credentials, the Permittee shall allow the Director or the authorized representative of the Director to:

- A.** Enter upon the Permittee's premises where a source is located, emissions-related activity is conducted, or where records are required to be kept under the conditions of the permit;  
[A.A.C. R18-2-309.4.a]

- B. Have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;  
[A.A.C. R18-2-309.4.b]
- C. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;  
[A.A.C. R18-2-309.4.c]
- D. Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements; and  
[A.A.C. R18-2-309.4.d]
- E. Record any inspection by use of written, electronic, magnetic and photographic media.  
[A.A.C. R18-2-309.4.e]

**X. PERMIT REVISION PURSUANT TO FEDERAL HAZARDOUS AIR POLLUTANT STANDARD**

If this source becomes subject to a standard promulgated by the Administrator pursuant to Section 112(d) of the Act, then the Permittee shall, within twelve months of the date on which the standard is promulgated, submit an application for a permit revision demonstrating how the source will comply with the standard.

[A.A.C. R18-2-304.D.3]

**XI. ACCIDENTAL RELEASE PROGRAM**

If this source becomes subject to the provisions of 40 CFR Part 68, then the Permittee shall comply with these provisions according to the time line specified in 40 CFR Part 68.

[40 CFR Part 68]

**XII. EXCESS EMISSIONS, PERMIT DEVIATIONS, AND EMERGENCY REPORTING**

- A. Excess Emissions Reporting  
[A.A.C. R18-2-310.01.A, B, and C]

- 1. Excess emissions shall be reported as follows:

- a. The Permittee shall report to the Director any emissions in excess of the limits established by this permit. Such report shall be in two parts as specified below:

[A.A.C. R18-2-310.01.A]

- (1) Notification by telephone or facsimile within 24 hours of the time when the Permittee first learned of the occurrence of excess emissions including all available information from Condition XII.A.1.b below.
- (2) Detailed written notification by submission of an excess emissions report within 72 hours of the notification pursuant to Condition XII.A.1.a(1) above.

- b. The report shall contain the following information:
- (1) Identity of each stack or other emission point where the excess emissions occurred;  
[A.A.C. R18-2-310.01.B.1]
  - (2) Magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions;  
[A.A.C. R18-2-310.01.B.2]
  - (3) Time and duration, or expected duration, of the excess emissions;  
[A.A.C. R18-2-310.01.B.3]
  - (4) Identity of the equipment from which the excess emissions emanated;  
[A.A.C. R18-2-310.01.B.4]
  - (5) Nature and cause of the emissions;  
[A.A.C. R18-2-310.01.B.5]
  - (6) If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunctions;  
[A.A.C. R18-2-310.01.B.6]
  - (7) Steps that were or are being taken to limit the excess emissions; and  
[A.A.C. R18-2-310.01.B.7]
  - (8) If the excess emissions resulted from start-up or malfunction, the report shall contain a list of the steps taken to comply with the permit procedures governing source operation during periods of startup or malfunction.  
[A.A.C. R18-2-310.01.B.8]
2. In the case of continuous or recurring excess emissions, the notification requirements shall be satisfied if the source provides the required notification after excess emissions are first detected and includes in such notification an estimate of the time the excess emissions will continue. Excess emissions occurring after the estimated time period, or changes in the nature of the emissions as originally reported, shall require additional notification pursuant to Condition XII.A.1 above.  
[A.A.C. R18-2-310.01.C]

**B. Permit Deviations Reporting**

The Permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the applicable requirement contains a definition of prompt or otherwise specifies a timeframe for



reporting deviations, that definition or timeframe shall govern. Where the applicable requirement does not address the timeframe for reporting deviations, the Permittee shall submit reports of deviations according to the following schedule:

1. Notice that complies with Condition XII.A above is prompt for deviations that constitute excess emissions;  
[A.A.C. R18-2-306.A.5.b.i]
2. Notice that is submitted within two working days of discovery of the deviation is prompt for deviations of permit conditions identified by Condition I.C.1 of Attachment “B”;  
[A.A.C. R18-2-306.A.5.b.ii]
3. Except as provided in Conditions XII.B.1 and 2, prompt notification of all other types of deviations shall be annually, concurrent with the annual compliance certifications required in Section VII, and can be submitted via myDEQ, the Arizona Department of Environmental Quality’s online portal.  
[A.A.C. R18-2-306.A.5.b.ii]

**C. Emergency Provision**

1. An “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, that require immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.  
[A.A.C. R18-2-306.E.1]
2. An emergency constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if Condition XII.C.3 below is met.  
[A.A.C. R18-2-306.E.2]
3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:  
[A.A.C. R18-2-306.E.3]
  - a. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;  
[A.A.C. R18-2-306.E.3.a]
  - b. The permitted facility was being properly operated at the time of the emergency;  
[A.A.C. R18-2-306.E.3.b]
  - c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and

[A.A.C. R18-2-306.E.3.c]

- d. The Permittee submitted notice of the emergency to the Director by certified mail, facsimile, or hand delivery within two working days of the time when emission limitations were exceeded due to the emergency. This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective action taken.

[A.A.C. R18-2-306.E.3.d]

4. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

[A.A.C. R18-2-306.E.4]

5. This provision is in addition to any emergency or upset provision contained in any applicable requirement.

[A.A.C. R18-2-306.E.5]

**D. Affirmative Defenses for Excess Emissions Due to Malfunctions, Startup, and Shutdown**

1. Applicability

A.A.C. R18-2-310 establishes affirmative defenses for certain emissions in excess of an emission standard or limitation and applies to all emission standards or limitations except for standards or limitations:

- a. Promulgated pursuant to Sections 111 or 112 of the Act;  
[A.A.C. R18-2-310.A.1]
- b. Promulgated pursuant to Titles IV or VI of the Clean Air Act;  
[A.A.C. R18-2-310.A.2]
- c. Contained in any Prevention of Significant Deterioration (PSD) or New Source Review (NSR) permit issued by the U.S. EPA;  
[A.A.C. R18-2-310.A.3]
- d. Contained in A.A.C. R18-2-715.F; or  
[A.A.C. R18-2-310.A.4]
- e. Included in a permit to meet the requirements of A.A.C. R18-2-406.A.5.  
[A.A.C. R18-2-310.A.5]

2. Affirmative Defense for Malfunctions

Emissions in excess of an applicable emission limitation due to malfunction shall constitute a violation. When emissions in excess of an applicable emission limitation are due to a malfunction, the Permittee has an affirmative defense to a civil or administrative enforcement proceeding based on that violation, other than a judicial action seeking injunctive relief, if the Permittee has complied with the reporting requirements of A.A.C. R18-2-310.01 and has demonstrated all of the following:

[A.A.C. R18-2-310.B]

- a. The excess emissions resulted from a sudden and unavoidable breakdown of process equipment or air pollution control equipment beyond the reasonable control of the Permittee;  
[A.A.C. R18-2-310.B.1]
- b. The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;  
[A.A.C. R18-2-310.B.2]
- c. If repairs were required, the repairs were made in an expeditious fashion when the applicable emission limitations were being exceeded. Off-shift labor and overtime were utilized where practicable to ensure that the repairs were made as expeditiously as possible. If off-shift labor and overtime were not utilized, the Permittee satisfactorily demonstrated that the measures were impracticable;  
[A.A.C. R18-2-310.B.3]
- d. The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;  
[A.A.C. R18-2-310.B.4]
- e. All reasonable steps were taken to minimize the impact of the excess emissions on ambient air quality;  
[A.A.C. R18-2-310.B.5]
- f. The excess emissions were not part of a recurring pattern indicative of inadequate design, operation, or maintenance;  
[A.A.C. R18-2-310.B.6]
- g. During the period of excess emissions there were no exceedances of the relevant ambient air quality standards established in Title 18, Chapter 2, Article 2 of the Arizona Administrative Code that could be attributed to the emitting source;  
[A.A.C. R18-2-310.B.7]
- h. The excess emissions did not stem from any activity or event that could have been foreseen and avoided, or planned, and could not have been avoided by better operations and maintenance practices;  
[A.A.C. R18-2-310.B.8]
- i. All emissions monitoring systems were kept in operation if at all practicable; and  
[A.A.C. R18-2-310.B.9]
- j. The Permittee's actions in response to the excess emissions were documented by contemporaneous records.  
[A.A.C. R18-2-310.B.10]

3. Affirmative Defense for Startup and Shutdown

- a. Except as provided in Condition XII.D.3 below, and unless otherwise provided for in the applicable requirement, emissions in excess of an applicable emission limitation due to startup and shutdown shall constitute a violation. When emissions in excess of an applicable emission limitation are due to startup and shutdown, the Permittee has an affirmative defense to a civil or administrative enforcement proceeding based on that violation, other than a judicial action seeking injunctive relief, if the Permittee has complied with the reporting requirements of A.A.C. R18-2-310.01 and has demonstrated all of the following:
- [A.A.C. R18-2-310.C.1]
- (1) The excess emissions could not have been prevented through careful and prudent planning and design;  
[A.A.C. R18-2-310.C.1.a]
  - (2) If the excess emissions were the result of a bypass of control equipment, the bypass was unavoidable to prevent loss of life, personal injury, or severe damage to air pollution control equipment, production equipment, or other property;  
[A.A.C. R18-2-310.C.1.b]
  - (3) The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;  
[A.A.C. R18-2-310.C.1.c]
  - (4) The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;  
[A.A.C. R18-2-310.C.1.d]
  - (5) All reasonable steps were taken to minimize the impact of the excess emissions on ambient air quality;  
[A.A.C. R18-2-310.C.1.e]
  - (6) During the period of excess emissions there were no exceedances of the relevant ambient air quality standards established in Title 18, Chapter 2, Article 2 of the Arizona Administrative Code that could be attributed to the emitting source;  
[A.A.C. R18-2-310.C.1.f]
  - (7) All emissions monitoring systems were kept in operation if at all practicable; and  
[A.A.C. R18-2-310.C.1.g]
  - (8) Contemporaneous records documented the Permittee's actions in response to the excess emissions.  
[A.A.C. R18-2-310.C.1.h]

XIII. RECORDKEEPING REQUIREMENTS

- b. If excess emissions occur due to a malfunction during routine startup and shutdown, then those instances shall be treated as other malfunctions subject to Condition XII.D.2 above.

[A.A.C. R18-2-310.C.2]

4. Affirmative Defense for Malfunctions During Scheduled Maintenance

If excess emissions occur due to a malfunction during scheduled maintenance, then those instances will be treated as other malfunctions subject to Condition XII.D.2 above.

[A.A.C. R18-2-310.D]

5. Demonstration of Reasonable and Practicable Measures

For an affirmative defense under Condition XII.D.2 or XII.D.3, the Permittee shall demonstrate, through submission of the data and information required by this Condition XII.D and Condition XII.A.1 above, that all reasonable and practicable measures within the Permittee's control were implemented to prevent the occurrence of the excess emissions.

[A.A.C. R18-2-310.E]

**XIII. RECORDKEEPING REQUIREMENTS**

- A. The Permittee shall keep records of all required monitoring information including, but not limited to, the following:

1. The date, place as defined in the permit, and time of sampling or measurements;  
[A.A.C. R18-2-306.A.4.a.i]
2. The date(s) any analyses were performed;  
[A.A.C. R18-2-306.A.4.a.ii]
3. The name of the company or entity that performed the analyses;  
[A.A.C. R18-2-306.A.4.a.iii]
4. A description of the analytical techniques or methods used;  
[A.A.C. R18-2-306.A.4.a.iv]
5. The results of analyses; and  
[A.A.C. R18-2-306.A.4.a.v]
6. The operating conditions as existing at the time of sampling or measurement.  
[A.A.C. R18-2-306.A.4.a.vi]

- B. The Permittee shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings or other data recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

[A.A.C. R18-2-306.A.4.b]

**XIV. DUTY TO PROVIDE INFORMATION**

- A. The Permittee shall furnish to the Director, within a reasonable time, any information that the Director may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Permittee shall also furnish to the Director copies of records required to be kept by the permit. For information claimed to be confidential, the Permittee shall furnish an additional copy of such records directly to the Administrator along with a claim of confidentiality.

[A.A.C. R18-2-304.G and -306.A.8.e]

- B. If the Permittee has failed to submit any relevant facts or has submitted incorrect information in the permit application, the Permittee shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.

[A.A.C. R18-2-304.H]

## **XV. PERMIT AMENDMENT OR REVISION**

The Permittee shall apply for a permit amendment or revision for changes to the facility which does not qualify for a facility change without revision under Section XVII below, as follows:

- A. Facility Changes that Require a Permit Revision; [A.A.C. R18-2-317.01]
- B. Administrative Permit Amendment; [A.A.C. R18-2-318]
- C. Minor Permit Revision; and [A.A.C. R18-2-319]
- D. Significant Permit Revision. [A.A.C. R18-2-320]

The applicability and requirements for such action are defined in the above referenced regulations.

## **XVI. FACILITY CHANGE WITHOUT A PERMIT REVISION**

- A. Except for a physical change or change in the method of operation at a Class II source requiring a permit revision under A.A.C. R18-2-317.01, or a change subject to logging or notice requirements in Condition XVI.B, a change at a Class II source shall not be subject to revision, notice, or logging requirements under this Section. [A.A.C. R18-2-317.02.A]

- B. The following changes may be made if the source keeps on site records of the changes according to Condition XVI.F below: [A.A.C. R18-2-317.02.B]

1. Implementing an alternative operating scenario, including raw materials changes;
2. Changing process equipment, operating procedures, or making any other physical change if the permit requires the change to be logged;

3. Engaging in any new insignificant activity listed in A.A.C. R18-2-101.68 but not listed in the permit;
  4. Replacing an item of air pollution control equipment listed in the permit with an identical (same model, different serial number) item. The Director may require verification of efficiency of the new equipment by performance tests; and
  5. A change that results in a decrease in actual emissions if the source wants to claim credit for the decrease in determining whether the source has a net emissions increase for any purpose. The logged information shall include a description of the change that will produce the decrease in actual emissions. A decrease that has not been logged is creditable only if the decrease is quantifiable, enforceable, and otherwise qualifies as a creditable decrease.
- C.** The permit shield described in A.A.C. R18-2-325 shall not apply to any change made under this Section, other than implementation of an alternate operating scenario under Condition XVI.B.1.  
[A.A.C. R18-2-317.02.F]
- D.** Notwithstanding any other part of this Section, the Director may require a permit to be revised for any change that, when considered together with any other changes submitted by the Permittee under this Section over the term of the permit, constitutes a change under subsection A.A.C. R18-2-317.01.A.  
[A.A.C. R18-2-317.02.G]
- E.** A copy of all logs required under Condition XVI.B shall be filed with the Director within 30 days after each anniversary of the permit issuance date. If no changes were made at the source requiring logging, a statement to that effect shall be filed instead.  
[A.A.C. R18-2-317.02.I]
- F.** Logging Requirements  
[Arizona Administrative Code, Appendix 3]
1. Each log entry required by a change under Condition XVI.B shall include at least the following information:
    - a. A description of the change, including:
      - (1) A description of any process change;
      - (2) A description of any equipment change, including both old and new equipment descriptions, model numbers, and serial numbers, or any other unique equipment ID number; and
      - (3) A description of any process material change.
    - b. The date and time that the change occurred.
    - c. The provisions of Condition XVI.B that authorizes the change to be made with logging.

- d. The date the entry was made and the first and last name of the person making the entry.
2. Logs shall be kept for five (5) years from the date created. Logging shall be performed in indelible ink in a bound log book with sequentially number pages, or in any other form, including electronic format, approved by the Director.

## **XVII. TESTING REQUIREMENTS**

- A.** The Permittee shall conduct performance tests as specified in the permit and at such other times as may be required by the Director.

[A.A.C. R18-2-312.A]

- B.** Operational Conditions during Performance Testing

Performance tests shall be conducted under such conditions as the Director shall specify to the plant operator based on representative performance of the source. The Permittee shall make available to the Director such records as may be necessary to determine the conditions of the performance tests. Operations during periods of start-up, shutdown, and malfunction (as defined in A.A.C. R18-2-101) shall not constitute representative conditions of performance tests unless otherwise specified in the applicable standard.

[A.A.C. R18-2-312.C]

- C.** Performance Tests shall be conducted and data reduced in accordance with the test methods and procedures contained in the Arizona Testing Manual unless modified by the Director pursuant to A.A.C. R18-2-312.B.

[A.A.C. R18-2-312.B]

- D.** Test Plan

At least 14 working days prior to performing a test, the Permittee shall submit a test plan to the Director, which must include the following, in addition to all other applicable requirements, as identified in the Arizona Testing Manual:

[A.A.C. R18-2-312.B]

1. Test duration;
2. Test location(s);
3. Test method(s); and
4. Source operation and other parameters that may affect test results.

- E.** Stack Sampling Facilities

The Permittee shall provide, or cause to be provided, performance testing facilities as follows:

[A.A.C. R18-2-312.E]

1. Sampling ports adequate for test methods applicable to the facility;



2. Safe sampling platform(s);
3. Safe access to sampling platform(s); and
4. Utilities for sampling and testing equipment.

**F.** Interpretation of Final Results

Each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic mean of the results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs is required to be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the Permittee's control, compliance may, upon the Director's approval, be determined using the arithmetic mean of the results of the other two runs. If the Director or the Director's designee is present, tests may only be stopped with the Director's or such designee's approval. If the Director or the Director's designee is not present, tests may only be stopped for good cause. Good cause includes: forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances beyond the Permittee's control. Termination of any test without good cause after the first run is commenced shall constitute a failure of the test. Supporting documentation, which demonstrates good cause, must be submitted.

[A.A.C. R18-2-306.A.3.c and A.A.C. R18-2-312.F]

**G.** Report of Final Test Results

A written report of the results of performance tests conducted pursuant to 40 CFR 63, shall be submitted to the Director within 60 days after the test is performed. A written report of the results of all other performance tests shall be submitted within 4 weeks after the test is performed, or as otherwise provided in the Arizona Testing Manual. All performance testing reports shall be submitted in accordance with the Arizona Testing Manual and A.A.C. R18-2-312.A.

[A.A.C. R18-2-312.A and B]

**H.** Extension of Performance Test Deadline

For performance testing required under Condition XVII.A above, the Permittee may request an extension to a performance test deadline due to a force majeure event as follows:

[A.A.C. R18-2-312.J]

1. If a force majeure event is about to occur, occurs, or has occurred for which the Permittee intends to assert a claim of force majeure, the Permittee shall notify the Director in writing as soon as practicable following the date the Permittee first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline. The notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall be given as soon as practicable.

[A.A.C. R18-2-312.J.1]

2. The Permittee shall provide to the Director a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the Permittee proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure event occurs.

[A.A.C. R18-2-312.J.2]

3. The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Director. The Director shall notify the Permittee in writing of approval or disapproval of the request for an extension as soon as practicable.

[A.A.C. R18-2-312.J.3]

4. Until an extension of the performance test deadline has been approved by the Director under Conditions XVII.H.1, 2, and 3 above, the Permittee remains subject to the requirements of Section XVII.

[A.A.C. R18-2-312.J.4]

5. For purposes of this Section XVII, a “force majeure event” means an event that will be or has been caused by circumstances beyond the control of the Permittee, its contractors, or any entity controlled by the Permittee that prevents it from complying with the regulatory requirement to conduct performance tests within the specified timeframe despite the Permittee's best efforts to fulfill the obligation. Examples of such events are acts of nature, acts of war or terrorism, or equipment failure or safety hazard beyond the control of the Permittee.

[A.A.C. R18-2-312.J.5]

## **XVIII. PROPERTY RIGHTS**

This permit does not convey any property rights of any sort, or any exclusive privilege.

[A.A.C. R18-2-306.A.8.d]

## **XIX. SEVERABILITY CLAUSE**

The provisions of this permit are severable. In the event of a challenge to any portion of this permit, or if any portion of this permit is held invalid, the remaining permit conditions remain valid and in force.

[A.A.C. R18-2-306.A.7]

## **XX. PERMIT SHIELD**

Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements identified in the portions of this permit subtitled “Permit Shield”. The permit shield shall not apply to minor revisions pursuant to Condition XV.C of this Attachment and any facility changes without a permit revision pursuant to Section XVI of this Attachment.

[A.A.C. R18-2-317.F, - 320, and -325]

## **XXI. PROTECTION OF STRATOSPHERIC OZONE**

If this source becomes subject to the provisions of 40 CFR Part 82, then the Permittee shall comply with these provisions accordingly.

[40 CFR Part 82]

**XXII. APPLICABILITY OF NSPS/NESHAP GENERAL PROVISIONS**

For all equipment subject to a New Source Performance Standard or a National Emission Standard for Hazardous Air Pollutants, the Permittee shall comply with all applicable requirements contained in Subpart A of Title 40, Chapter 60 and Chapter 63 of the Code of Federal Regulation.

[40 CFR Part 60 Subpart A and Part 63 Subpart A]

**ATTACHMENT "B": SPECIFIC CONDITIONS**

**I. FACILITY-WIDE REQUIREMENTS**

**A. Opacity**

**1. Instantaneous Surveys and Six-Minute Observations**

**a. Instantaneous Surveys**

Any instantaneous survey required by this permit shall be determined by either option listed in Conditions I.A.1.a(1) and (2):

[A.A.C. R18-2-311.b]

**(1) Alternative Method ALT-082 (Digital Camera Operating Technique)**

(a) The Permittee, or Permittee representative, shall be certified in the use of Alternative Method ALT-082.

(b) The results of all instantaneous surveys and six-minute observations shall be obtained within 30 minutes.

**(2) EPA Reference Method 9 Certified Observer.**

[A.A.C. R18-2-306.A.3.c]

**b. Six-Minute Observations**

Any six-minute observation required by this permit shall be determined by either option listed in Conditions I.A.1.b(1) and (2):

[A.A.C. R18-2-311.b]

**(1) Alternative Method ALT-082 (Digital Camera Operating Technique)**

(a) The Permittee, or Permittee representative, shall be certified in the use of Alternative Method ALT-082.

(b) The results of all instantaneous surveys and six-minute observations shall be obtained within 30 minutes.

**(2) EPA Reference Method 9.**

c. The Permittee shall have on site or on call a person certified in EPA Reference Method 9 unless all six-minute Method 9 observations required by this permit are conducted as a six-minute Alternative Method ALT-082 (Digital Camera Operating Technique) and all instantaneous visual surveys required by this permit are conducted as an instantaneous ALT-082 camera survey. Any six-minute Method 9 observation required by this permit can be conducted as a six-minute Alternative Method ALT-082

I. FACILITY-WIDE REQUIREMENTS

and any instantaneous visual survey required by this permit can be conducted as an instantaneous ALT-082 camera survey.

[A.A.C. R18-2-306.A.3.c]

2. Monitoring, Recordkeeping, and Reporting Requirements

[A.A.C. R18-2-306.A.3.c]

- a. At the frequency specified in the following sections of this permit, the Permittee shall conduct an instantaneous survey of visible emissions from both process stack sources, when in operation, and fugitive dust sources.
- b. If the visible emissions on an instantaneous basis appears less than or equal to the applicable opacity standard, then the Permittee shall keep a record of the name of the observer, the date on which the instantaneous survey was made, and the results of the instantaneous survey.
- c. If the visible emissions on an instantaneous basis appears greater than the applicable opacity standard, then the Permittee shall immediately conduct a six-minute observation of the visible emissions.
  - (1) If the six-minute observation of the visible emissions is less than or equal to the applicable opacity standard, then the Permittee shall record the name of the observer, the date on which the six-minute observation was made, and the results of the six-minute observation.
  - (2) If the six-minute observation of the visible emissions is greater than the applicable opacity standard, then the Permittee shall do the following:
    - (a) Adjust or repair the controls or equipment to reduce opacity to less than or equal to the opacity standard;
    - (b) Record the name of the observer, the date on which the six-minute observation was made, the results of the six-minute observation, and all corrective action taken; and
    - (c) Report the event as an excess emission for opacity in accordance with Condition XII.A of Attachment "A".
    - (d) Conduct another six-minute observation to document the effectiveness of the adjustments or repairs completed.

**B. Operational Limitations**

1. The Permittee shall operate the equipment comprising the main crushing spread of the crushing and screening plant, as identified in the equipment list in Attachment "C", such that the throughput does not exceed 5,000 tons per day.

[A.A.C. R18-2-334]

2. The Permittee shall operate the concrete batch plant such that the throughput does not exceed 3,840 cubic yards per day.  
[A.A.C. R18-2-334]
3. The Permittee shall operate the portable HSI crushing and screening plant such that the throughput does not exceed 615,000 tons per year.  
[A.A.C. R18-2-306.01.A]
4. *The Permittee shall not operate the boneyard equipment.*  
[A.A.C. R18-2-306.01 and -331.A.3.a]  
[Material permit conditions are indicated by underlines and italics]

**C. Recordkeeping and Reporting Requirements**

1. Deviations from the following Attachment “B” permit conditions shall be promptly reported in accordance with Condition XII.B.2 of Attachment “A”:  
[A.A.C. R18-2-306.A.5.b]
  - a. Condition II.B.1.d;
  - b. Condition III.B.2;
  - c. Condition IV.B.2; and
  - d. Condition VI.B.2.
2. The Permittee shall maintain, on-site, records of the manufacturer supplied operations and maintenance instructions or Operation and Maintenance Plan for minimizing emissions for all equipment identified in Attachment “C”.  
[A.A.C. R18-2-306.A.4]
3. The Permittee shall submit reports of all monitoring activities required in Attachment “B” along with the compliance certifications required by Section VII of Attachment “A.”  
[A.A.C. R18-2-306.A.5]
4. The Permittee shall maintain records of the total daily production of material, in tons per day, produced by the main crushing spread.  
[A.A.C. R18-2-334]
5. The Permittee shall maintain records of the total daily production of concrete by the concrete batch plant in cubic yards per day.  
[A.A.C. R18-2-334]
6. The Permittee shall maintain records of the total daily production of material, in tons per day, produced by the portable HSI crushing and screening plant.  
[A.A.C. R18-2-334]

**II. CRUSHING AND SCREENING PLANT REQUIREMENTS – NSPS**

**A. Applicability**

This Section applies to the equipment identified in Attachment “C” as part of the main crushing spread of the crushing and screening plant applicable to New Source Performance Standards 40 CFR 60 Subpart OOO.

**B. Particulate Matter and Opacity**

1. Emission Limitations and Air Pollution Control Requirements

- a. *The Permittee shall not allow to be discharged into the atmosphere from any crusher which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, at which a capture system is not used, any fugitive emissions which exhibit visible emissions greater than 15 percent opacity.*

[40 CFR 60.672(b) and A.A.C. R18-2-331.A.3.f]

[Material permit conditions are indicated by underline and italics]

- b. *The Permittee shall not allow to be discharged into the atmosphere from any crusher which commenced construction, modification, or reconstruction on or after April 22, 2008, at which a capture system is not used, any fugitive emissions which exhibit visible emissions greater than 12 percent opacity.*

[40 CFR 60.672(b) and A.A.C. R18-2-331.A.3.f]

[Material permit conditions are indicated by underline and italics]

- c. *The Permittee shall not allow to be discharged into the atmosphere from any grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or railcar loading stations or any other affected facility, which commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008, any fugitive emissions which exhibit visible emissions greater than 10 percent opacity.*

[40 CFR 60.672(b) and A.A.C. R18-2-331.A.3.f]

[Material permit conditions are indicated by underline and italics]

- d. *Water spray bars or equivalent control equipment shall be used whenever the equipment is operating or material must be adequately wet to minimize visible emissions to the extent practical.*

[A.A.C. R18-2-606, -607.B and A.A.C. R18-2-331.A.3.f]

[Material permit conditions are indicated by underline and italics]

- e. *The Permittee shall install, calibrate, maintain, and operate monitoring devices, or other approved methods, which can be used to determine the daily process weight of sand, gravel or crushed stone produced. The weighing devices shall have an accuracy of plus or minus 5 percent over their operating range.*

[A.A.C. R18-2-331.A.3.c]

[Material permit conditions are indicated by underline and italics]

2. Monitoring, Reporting, and Recordkeeping Requirements

- a. The Permittee shall conduct weekly opacity monitoring on all affected facilities to which an opacity standard applies, in accordance with Condition **Error! Reference source not found.** of Attachment “B”.  
[A.A.C. R18-2-306.A.3.c]
- b. If wet suppression is used to control emissions from any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, the Permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if it is found that water is not flowing properly during an inspection of the water spray nozzles. The Permittee shall record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under Condition II.B.2.c.  
[40 CFR 60.674(b)]
- (1) In accordance with Condition II.B.2.b, if an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement specified in Condition II.B.3.a below provided that the affected facility meets the following criteria:  
[40 CFR 60.674(b)(1)]
- (a) The Permittee conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility. These inspections shall be conducted according to Condition II.B.2.c and Condition II.B.2.d below, and  
[40 CFR 60.674(b)(1)(i)]
- (b) The Permittee shall designate which upstream water spray(s) will be periodically inspected at the time of the initial performance test required by 40 CFR 60.11 and Condition II.B.3 below.  
[40 CFR 60.674(b)(1)(ii)]
- (2) In accordance with Condition II.B.2.b, if an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under Condition II.B.2.c below must specify the control mechanism being used instead of the water sprays.  
[40 CFR 60.674(b)(2)]
- c. The Permittee shall record each periodic inspection required in Condition II.B.2.b, including dates and any corrective action taken, in a logbook (in written or electronic format). The Permittee shall keep the logbook onsite



and make hard or electronic copies (whichever is requested) of the logbook available to the Director upon request.

[40 CFR 60.676(f)]

[Material permit conditions are indicated by underline and italics]

- d. The Permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in Condition II.B.1 above, including reports of opacity observations made using EPA Reference Method 9 to demonstrate compliance with Conditions II.B.1.a, II.B.1.b, or II.B.1.c.

[40 CFR 60.676(f)]

3. Testing Requirements

a. Initial Compliance

Unless the initial test has been conducted previously, the Permittee shall demonstrate initial compliance with the applicable opacity limits for fugitive emissions contained in Conditions II.B.1.a, II.B.1.b, and II.B.1.c, by conducting initial performance tests according to 40 CFR 60.11 and the test methods and procedures of this Condition II.B.3. Affected facilities that commenced construction, modification, or reconstruction on or after April 22, 2008, and are not controlled by water sprays or water carryover from upstream water sprays shall conduct a repeat performance test within 5 years of the previous test.

[Table 3 to 40 CFR 60 Subpart OOO]

- b. When conducting performance tests in accordance with this Section to determine compliance with the particulate matter standards in Conditions II.B.1.a, II.B.1.b, and II.B.1.c, the Permittee shall use EPA Reference Method 9 and the procedures in 40 CFR 60.11, with the following additions:

[40 CFR 60.675(c)(1)]

- (1) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- (2) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of 40 CFR 60, Section 2.1) must be followed.
- (3) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

- c. When determining compliance with the fugitive emissions standards for any affected facility under Conditions II.B.1.a, II.B.1.b, and II.B.1.c, the duration of the Method 9 observations shall be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits shall be based on the average of the five 6-minute averages.  
 [40 CFR 60.675(c)(3)]
- d. For performance tests involving only Method 9 testing, the Permittee may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification.  
 [40 CFR 60.675(g)]
- e. If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in 40 CFR 60.671) of the affected facility, then with approval from the Director, the Permittee may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility.  
 [40 CFR 60.675(i)]

4. Permit Shield  
 [A.A.C.R18-2-325]

Compliance with the Conditions of this Section shall be deemed compliance with 40 CFR 60.672 (b), 674(b), 675(c), (g), & (i), and 676 (f), Table 2 and Table 3 in 40 CFR 60 Subpart OOO.

**III. CRUSHING AND SCREENING OPERATIONS – NON-NSPS**

**A. Applicability**

This Section applies to the equipment identified in Attachment “C” as part of the main crushing spread of the crushing and screening plant not applicable to New Source Performance Standards.

**B. Particulate Matter and Opacity**

1. Emission Limits and Standards

- a. The Permittee shall not cause, allow or permit the discharge of particulate matter into the atmosphere, except as fugitive emissions, in any one hour from any gravel or crushed stone processing plant in total quantities in excess of the amounts calculated by one of the following equations:

- (1) For process sources having a process weight rate of 60,000 pounds per hour (30 tons per hour) or less, the maximum allowable particulate emissions shall be determined by the following equation:

[A.A.C. R18-2-722.B.1]

$$E = 4.10 P^{0.67}$$

where:

E = the maximum allowable emissions rate in pounds-mass per hour.

P = the process weight rate in tons-mass per hour

- (2) For process sources having a process weight rate greater than 60,000 pounds per hour (30 tons per hour), the maximum allowable emissions shall be determined by the following equation:

[A.A.C. R18-2-722.B.2]

$$E = 55.0 P^{0.11} - 40$$

where:

E = the maximum allowable emissions rate in pounds-mass per hour.

P = the process weight rate in tons-mass per hour

b. Opacity

The Permittee shall not cause to be discharged into the atmosphere from any gravel or stone crushing processes any emissions greater than 20 percent.

[A.A.C. R18-2-702.B.3]

2. Air Pollution Control Requirements

- a. *Water spray bars or equivalent control equipment shall be used whenever the equipment is operating or material must be adequately wet to minimize visible emissions to the extent practical.*

[A.A.C. R18-2-606, -607.B and -331.A.3.e]

[Material permit conditions are indicated by underline and italics]

- b. Spray bar pollution control shall be utilized in accordance with “EPA Control of Air Emissions From Process Operations in the Rock Crushing Industry” (EPA 340/1-79-002), and “Wet Suppression System” (pages 15-34, amended as of January, 1979 (and no future amendments or editions)), as incorporated herein by reference and on file with the Office of the Secretary of State, with placement of spray bars and nozzles as required by the Director to minimize air pollution.

[A.A.C. R18-2-722.D]

- c. Fugitive emissions from operation of gravel or crushed stone processing shall be controlled in accordance with Condition VI.B of Attachment “B”.

[A.A.C. R18-2-722.E]

d. Periodic Monitoring Requirements

*The Permittee shall install, calibrate, maintain, and operate monitoring devices which can be used to determine daily the process weight of sand,*

gravel or crushed stone produced. The weighing devices shall have an accuracy of plus or minus 5 percent over their operating range.

[A.A.C. R18-2 -331.A.3.c]

[Material permit conditions are indicated by underline and italics]

3. Monitoring and Recordkeeping Requirements

The Permittee shall conduct weekly opacity monitoring in accordance with Condition I.A of Attachment "B".

[A.A.C. R18-2-306.A.3.c]

4. Permit Shield

Compliance with the Conditions of this Section shall be deemed compliance with A.A.C. R18-2-722.

[A.A.C. R18-2-325]

**IV. CONCRETE BATCH PLANT REQUIREMENTS**

**A. Applicability**

This Section applies to the concrete batch plant and all equipment associated with material handling operations.

**B. Particulate Matter and Opacity**

1. Emission Limits and Standards

a. The Permittee shall not cause to be discharged into the atmosphere from any concrete batch plant processes, any plume or effluent which exhibits greater than 20 percent opacity.

[A.A.C. R18-2-702.B.1]

b. Fugitive dust emissions from the concrete batch plant shall be controlled in accordance with Condition VI.B of this Attachment.

[A.A.C. R18-2-723]

2. Air Pollution Control Requirements

a. The Permittee shall install, operate and maintain the following air pollution controls on the following emission sources:

(1) Cement / Fly Ash Silos

(a) At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, maintain, and operate a baghouse and dust collector to control emissions vented by cement/fly ash storage silos during the loading of cement or fly ash.

[Condition VI.B.2.a.i(a) of Permit No. 50376, A.A.C. R18-2-303.B]

[Material permit conditions are indicated by underline and italics]

- (b) *Loading of cement / fly ash storage silos shall be conducted in such a manner that the displaced air does not by-pass the baghouse and is not direct-vented to the atmosphere.*

[Condition VI.B.2.a.i(b) of Permit No. 50376, A.A.C. R18-2-303.B]

[Material permit conditions are indicated by underline and italics]

(2) Product Delivery System

[Condition VI.B.2.a.ii of Permit No. 50376, A.A.C. R18-2-303.B]

[Material permit conditions are indicated by underline and italics]

*A baghouse, rubber sleeve or equivalent shall be maintained and operated in accordance with the vendor specifications on the product delivery system to minimize visible emissions during material transfer to trucks.*

(3) Baghouses shall be maintained in accordance with the following:

[A.A.C. R18-2-306.A.3.d]

- (a) Prior to start-up, visual inspections shall be conducted on all venting ducts or lines, fittings (including dust shroud), and the blower;
- (b) Following shut-down, all pressurized systems shall be turned “off”;
- (c) All pressure and temperature gauges, flow meters, and other related instruments shall be checked daily to ensure proper functioning; any detected problems shall be corrected as soon as possible;
- (d) All ducts, hoods, framework, and housings shall be checked daily for signs of wear;
- (e) The fan motor, bearings, shaking device, reverse-jet blow rings, valves, and dampers shall be lubricated regularly and checked for wear; and
- (f) The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions IV.B.2.a(3)(a) through (e).

3. Monitoring, Recordkeeping, and Reporting Requirements

Each week, the Permittee shall monitor visible emissions from the concrete batch plant and associated baghouses in accordance with Condition **Error! Reference source not found.**

[A.A.C. R18-2-306.A.3.c]

4. Permit Shield

Compliance with the Conditions of this Section shall be deemed compliance with A.A.C. R18-2-702.B and -723.

[A.A.C. R18-2-325]

**V. WATER HEATER REQUIREMENTS**

**A. Applicability**

This Section applies to the propane water heater.

**B. Particulate Matter**

1. Emission Limitations

[A.A.C. R18-2-724.C.1]

The Permittee shall not cause, allow or permit the emission of particulate matter, caused by combustion of fuel, from any fuel-burning operation in excess of the amounts calculated by the following equation:

$$E = 1.02Q^{0.769}$$

Where:

E = the maximum allowable particulate emissions rate in pounds-mass per hour

Q = the heat input in million Btu per hour.

2. Permit Shield

[A.A.C. R18-2-325]

Compliance with the Condition of this Subsection shall be deemed compliance with A.A.C. R18-2-724.C.1.

**C. Opacity**

1. Emission Limitations and Standards

The Permittee shall not cause, allow or permit the opacity of any plume or effluent from the water heater to exceed 15 percent.

[A.A.C. R18-2-724.J]

2. Monitoring, Recordkeeping, and Reporting Requirements

The Permittee shall report all six-minute periods in which the opacity of any plume or effluent exceeds 15 percent.

[A.A.C. R18-2-724.J]

3. Permit Shield

Compliance with the Conditions of this Subsection shall be deemed compliance with A.A.C. R18-2-724.J.

[A.A.C. R18-2-325]

## VI. FUGITIVE DUST REQUIREMENTS

### A. Applicability

Section VI applies to any non-point source of fugitive dust in the facility.

### B. Particulate Matter and Opacity

Open Areas, Roadways & Streets, Storage Piles, and Material Handling

#### 1. Emission Limitations and /Standards

- a. Opacity of emissions from any fugitive dust non-point source shall not be greater than 40%.

[A.A.C. R18-2-614]

- b. The Permittee shall employ the following reasonable precautions to prevent excessive amounts of particulate matter from becoming airborne:

- (1) Keep dust and other types of air contaminants to a minimum in an open area where construction operations, repair operations, demolition activities, clearing operations, leveling operations, or any earth moving or excavating activities are taking place, by good modern practices such as using an approved dust suppressant or adhesive soil stabilizer, paving, covering, landscaping, continuous wetting, detouring, barring access, or other acceptable means;

[A.A.C. R18-2-604.A]

- (2) Keep dust to a minimum from driveways, parking areas, and vacant lots where motor vehicular activity occurs by using an approved dust suppressant, or adhesive soil stabilizer, or by paving, or by barring access to the property, or by other acceptable means;

[A.A.C. R18-2-604.B]

- (3) Keep dust and other particulates to a minimum by employing dust suppressants, temporary paving, detouring, wetting down or by other reasonable means when a roadway or alley is used, repaired, constructed, or reconstructed;

[A.A.C. R18-2-605.A]

- (4) Take reasonable precautions, such as wetting, applying dust suppressants, or covering the load when transporting material likely to give rise to airborne dust. Earth or other material that is deposited by trucking or earth moving equipment shall be

VI. FUGITIVE DUST REQUIREMENTS

removed from paved streets by the person responsible for such deposits;

[A.A.C. R18-2-605.B]

- (5) Take reasonable precautions, such as the use of spray bars, wetting agents, dust suppressants, covering the load, and hoods when crushing, screening, handling, transporting or conveying of materials or other operations likely to result in significant amounts of airborne dust;

[A.A.C. R18-2-606]

- (6) Take reasonable precautions such as chemical stabilization, wetting, or covering when organic or inorganic dust producing material is being stacked, piled, or otherwise stored;

[A.A.C. R18-2-607.A]

- (7) Operate stacking and reclaiming machinery utilized at storage piles at all times with a minimum fall of material, or with the use of spray bars and wetting agents;

[A.A.C. R18-2-607.B]

- (8) Operate mineral tailings piles by taking reasonable precautions to prevent excessive amounts of particulate matter from becoming airborne. Reasonable precautions shall mean wetting, chemical stabilization, revegetation or such other measures as are approved by the Director;

[A.A.C. R18-2-608]

- (9) Any other method as proposed by the Permittee and approved by the Director.

[A.A.C. R18-2-306.A.3.c]

2. Air Pollution Control Requirements

Unpaved Roads and Storage Piles

*Water, or an equivalent control, shall be used to control visible emissions from haul roads and storage piles.*

[A.A.C. R18-2-306.A.2 and -331.A.3.d]

[Material Permit Condition is indicated by underline and italics]

3. Monitoring and Recordkeeping Requirements

- a. The Permittee shall maintain records of the dates on which any of the activities listed in Condition VI.B.1.b above were performed and the control measures that were adopted.

[A.A.C. R18-2-306.A.3.c]

- b. Opacity Monitoring Requirements



VII. OTHER PERIODIC ACTIVITIES

Each week, the Permittee shall monitor visible emissions from fugitive sources in accordance with Condition I.A.

[A.A.C. R18-2-306.A.3.c]

C. Permit Shield

Compliance with the Conditions of this Section shall be deemed compliance with A.A.C. R18-2-604, -605, -606, 607, -608, and -614.

[A.A.C. R18-2-325]

**VII. OTHER PERIODIC ACTIVITIES**

A. Abrasive Blasting

1. Particulate Matter and Opacity

a. Emission Limitations and Standards

The Permittee shall not cause or allow sandblasting or other abrasive blasting without minimizing dust emissions to the atmosphere through the use of good modern practices. Good modern practices include:

[A.A.C. R18-2-726]

- (1) Wet blasting;
- (2) Effective enclosures with necessary dust collecting equipment; or
- (3) Any other method approved by the Director.

b. Opacity

The Permittee shall not cause, allow or permit visible emissions from sandblasting or other abrasive blasting operations in excess of 20% opacity.

[A.A.C. R18-2-702.B.3]

2. Monitoring and Recordkeeping Requirement

Each time an abrasive blasting project is conducted, the Permittee shall make a record of the following:

[A.A.C. R18-2-306.A.3.c]

- a. The date the project was conducted;
- b. The duration of the project; and
- c. Type of control measures employed.

3. Permit Shield

Compliance with Condition VII.A.1.a shall be deemed compliance with A.A.C. R18-2-702.B.3 and -726.

[A.A.C.R18-2-325]

**B. Use of Paints**

1. Volatile Organic Compounds

a. Emission Limitations and Standards

While performing spray painting operations, the Permittee shall comply with the following requirements:

- (1) The Permittee shall not conduct or cause to be conducted any spray painting operation without minimizing organic solvent emissions. Such operations, other than architectural coating and spot painting, shall be conducted in an enclosed area equipped with controls containing no less than 96 percent of the overspray.  
[A.A.C. R18-2-727.A]

- (2) The Permittee or their designated contractor shall not either:

- (a) Employ, apply, evaporate, or dry any architectural coating containing photochemically reactive solvents for industrial or commercial purposes; or
- (b) Thin or dilute any architectural coating with a photochemically reactive solvent.  
[A.A.C. R18-2-727.B]

- (3) For the purposes of Condition VII.B.1.a(1), a photochemically reactive solvent shall be any solvent with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified in Condition VII.B.1.a(2), or which exceeds any of the following percentage composition limitations, referred to the total volume of solvent:  
[A.A.C. R18-2-727.C]

- (a) A combination of the following types of compounds having an olefinic or cyclo-olefinic type of unsaturation-hydrocarbons, alcohols, aldehydes, esters, ethers, or ketones: 5 percent.
- (b) A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.
- (c) A combination of ethylbenzene, ketones having branched hydrocarbon structures, trichloroethylene or toluene: 20 percent.

VII. OTHER PERIODIC ACTIVITIES

- (4) Whenever any organic solvent or any constituent of an organic solvent may be classified from its chemical structure into more than one of the groups of organic compounds described in Condition VII.B.1.a(3), it shall be considered to be a member of the group having the least allowable percent of the total volume of solvents.

[A.A.C. R18-2-727.D]

b. Monitoring and Recordkeeping Requirements

- (1) Each time a spray painting project is conducted, the Permittee shall make a record of the following:

- (a) The date the project was conducted;
- (b) The duration of the project;
- (c) Type of control measures employed;
- (d) Safety Data Sheets (SDS) for all paints and solvents used in the project; and
- (e) The amount of paint consumed during the project.

- (2) Architectural coating and spot painting projects shall be exempt from the recordkeeping requirements of Condition VII.B.1.b(1).

[A.A.C. R18-2-306.A.3.c]

c. Permit Shield

Compliance with Condition VII.B.1.a shall be deemed compliance with A.A.C.R18-2-727.

[A.A.C.R18-2-325]

2. Opacity

a. Emission Limitation and Standard

The Permittee shall not cause, allow or permit visible emissions from painting operations in excess of 20% opacity.

[A.A.C. R18-2-702.B.3]

b. Permit Shield

Compliance with Condition VII.B.2.a shall be deemed compliance with A.A.C.R18-2-702.B.3.

[A.A.C. R18-2-325]

C. Demolition/Renovation - Hazardous Air Pollutants

1. Emission Limitation and Standard

VII. OTHER PERIODIC ACTIVITIES

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The Permittee shall comply with all of the requirements of 40 CFR 61 Subpart M (National Emission Standards for Hazardous Air Pollutants - Asbestos).

[A.A.C. R18-2-1101.A.12]

2. Monitoring and Recordkeeping Requirement

The Permittee shall keep all required records in a file. The required records shall include the “NESHAP Notification for Renovation and Demolition Activities” form and all supporting documents.

[A.A.C. R18-2-306.A.3.c]

3. Permit Shield

Compliance with the Condition VII.C.1 shall be deemed compliance with A.A.C. R18-2-1101.A.12.

[A.A.C. R18-2-325]

**ATTACHMENT "C": EQUIPMENT LIST**

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
<b>MAIN CRUSHING SPREAD</b>							
Primary Jaw Feeder	200 tph	N/A	N/A	9-943A	N/A	10021850/ 30-4028	NSPS 40 CFR Part 60 Subpart OOO
Jaw Crusher	400 tph	Austin Western	32"	9-5152A	1974	10021836/ 30-4036	A.A.C. R18- 2-722
Hydro Hammer	N/A	BTI	Breaker Technologies	2011021	2011	10060716/ 30-60716	A.A.C. R18- 2-722
Primary Surge Stacker	36" x 215'	Convey	N/A	UM36X1101304	N/A	10020823/ 29-1864	NSPS 40 CFR Part 60 Subpart OOO
CF Transfer Belt	30" x 60'	Convey	N/A	3060-0997-1	N/A	10021830/ 29-2173	NSPS 40 CFR Part 60 Subpart OOO
Pre-Screen	400 tph	El Jay	3-Deck / 6'X20"	34F1091	1997	10028228 / 30-0987	NSPS 40 CFR Part 60 Subpart OOO
#1 VSI Feed Belt	30" x 65'	Superior	F30X60STK	U009087	2008	10035727 / 29-35727	NSPS 40 CFR Part 60 Subpart OOO

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Blend Sand / Rescreen Belt	30" x 60'	Superior	F30X60STK	U009086	2008	10035726/ 29-35726	NSPS 40 CFR Part 60 Subpart OOO
Secondary Tunnel Belt	36" x 92'	Convey	N/A	UM36X401305	N/A	10020824 / 29-1865	NSPS 40 CFR Part 60 Subpart OOO
Secondary Screen Feed Belt	36" x 70'	Convey	N/A	UM36X701306	N/A	10020825 / 29-1866	NSPS 40 CFR Part 60 Subpart OOO
Reject Sand Stacker	24" x 60'	Convey	N/A	UM24X601312	N/A	10020831 / 29-1872	NSPS 40 CFR Part 60 Subpart OOO
1st Outfeed Belt	24" x 70'	Convey	N/A	UM24X701313	N/A	10020832 / 29-1873	NSPS 40 CFR Part 60 Subpart OOO
2nd Outfeed Belt	36" x 42'	Convey	N/A	UM36X421317	N/A	10020835 / 29-1876	NSPS 40 CFR Part 60 Subpart OOO
Cone Crusher	275 tph	El Jay	54" Cone	2510589	1991	10020849 / 30-1404	NSPS 40 CFR Part 60 Subpart OOO
150' Radial Stacker	36" x 330'	Kolberg		59516	1970	10020853 / 30-0669	A.A.C. R18-2-722

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
1st Rerock Belt	36" x 60'	Convey	N/A	UM36X601322	N/A	10020840 / 29-1881	NSPS 40 CFR Part 60 Subpart OOO
Leachrock Stub Belt	30" x 18'	Convey	N/A	UM30X181307	N/A	10020826 / 29-1867	NSPS 40 CFR Part 60 Subpart OOO
1st Leachrock Transfer Belt	36" x 72'	Convey	N/A	UM36X721310	N/A	10020829 / 29-1870	NSPS 40 CFR Part 60 Subpart OOO
Rerock to Screen Belt	36" x 72'	Convey	N/A	UM36X721309	N/A	10020828 / 29-1869	NSPS 40 CFR Part 60 Subpart OOO
Blend Sand Bin	12' x 14'	Convey	N/A	UM12X14175410021804	N/A	30-4071	NSPS 40 CFR Part 60 Subpart OOO
VSI Crusher	250 tph	El Jay	VSI 2100	28H0294	1994	10019913 / 30-1133	NSPS 40 CFR Part 60 Subpart OOO
MA Screen Feed Belt	30" x 60'	N/A	N/A	UM30X601210	1982	10020812 / 29-1798	A.A.C. R18-2-722
#2 VSI Feed Belt (Return)	30" x 60'	Convey	N/A	306009971010020859	1999	29-1680	NSPS 40 CFR Part 60 Subpart OOO

ATTACHMENT "C": EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
MA Screen	400 tph	JCI	3-Deck / 6'X20"	98H08G32	1999	10032631 / 42- 0125, 1010S03	NSPS 40 CFR Part 60 Subpart OOO
Coarse Rock Stacker	24" x 60'	Convey	N/A	UM24X601752	N/A	10020817 / 29- 2231	NSPS 40 CFR Part 60 Subpart OOO
3/8" Stacker	36" X 45'	Convey	N/A	UM36X451381	N/A	10020788 / 29- 1927	NSPS 40 CFR Part 60 Subpart OOO
3/8" Transfer Belt	24" x 25'	Convey	N/A	UM24X251751	N/A	10020816 / 29- 2230	NSPS 40 CFR Part 60 Subpart OOO
Coarse Rock Transfer Belt	30" x 18'	Convey	N/A	UM30X181308	N/A	10020827 / 29- 1868	NSPS 40 CFR Part 60 Subpart OOO
VSI Feed Bin	36" x 9'4"	Feeder	N/A	UM12X141316	N/A	10020850 / 30- 3886	NSPS 40 CFR Part 60 Subpart OOO
Leachrock Stacker	30" x 72'	Convey	N/A	UM30X721311	N/A	10020834 / 29- 1871	NSPS 40 CFR Part 60 Subpart OOO



ATTACHMENT "C": EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
MA Log Feed Bin	200 tph	Feeder	N/A	UM12X141753	N/A	10021915 / 30-4070	NSPS 40 CFR Part 60 Subpart OOO
MA Log Feed Belt	36" X 16'	Convey	N/A	UM36X161315	N/A	10035725 / 29-1875	NSPS 40 CFR Part 60 Subpart OOO
MA Log	20' x 44"	Eagle	N/A	13238	N/A	10021915 / 30-3905	NSPS 40 CFR Part 60 Subpart OOO
MA Log Stacker	30" x 60'	Superior	F30x60stk	U009085	2008	10035725 / 2935725	NSPS 40 CFR Part 60 Subpart OOO
100' Stacker	30" x 100'	Convey	N/A	3354	N/A	10022049 / 29-22049	NSPS 40 CFR Part 60 Subpart OOO
VSI Feed Belt	24" x 25'	Convey	N/A	UM24X251314	N/A	10020833 / 29-1874	NSPS 40 CFR Part 60 Subpart OOO
2nd Leachrock Transfer Belt	30" x 80'	Convey	N/A	UM30X801755	N/A	10020819 / 29-2232	NSPS 40 CFR Part 60 Subpart OOO
<b>WET PLANT</b>							
Wash Plant Feed Conveyor	30" x 170'	Convey	N/A	UM30X1701318	N/A	10020836 / 29-1877	A.A.C. R18-2-722

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Material Washer	36" x 8'	Eagle	Dual	13738	1990	10020995 / 30-0970	A.A.C. R18-2-722
Wet Screen	400 tph	Cedar Rapids	3-Deck	47315	1998	10020821 / 30-1264	A.A.C. R18-2-722
1" Rock Screw	30" x 25"	Single Screw	30" x 25'	UM30X181328	N/A	10020858 / 29-1853	A.A.C. R18-2-722
½" Rock Screw	30" x 25'	Single Screw	30" x 25'	UM30X181329	N/A	10020857 / 29-1852	A.A.C. R18-2-722
1" Rock Conveyor	30" x 80'	1" Rock Convey	30" x 80'	UM30X801319	N/A	10020837 / 29-1878	A.A.C. R18-2-722
½" Rock Conveyor	24" x 90'	½" Rock Conveyor	24" x 90'	UM24X901320	N/A	10020838 / 29-18779	A.A.C. R18-2-722
Belt Press Stack	30" x 80'	Press Stack Convey	30" x 80'	UM30X801327	N/A	10020845 / 29-1886	A.A.C. R18-2-722
3/8" Wet Screen	250 tph	Kolberg	2-Deck	1046-4810-76-2	1990	10020854 / 30-3888	A.A.C. R18-2-722
3/8" Stacker	24" X 70'	Convey	N/A	UM24X701498	N/A	10020815 / 29-2031	A.A.C. R18-2-722
Stack Conveyor	24" x 72'	Wash Plant Stack Conveyor	N/A	UM24X721323	N/A	10020841 / 29-1882	A.A.C. R18-2-722
Classifier	10' x 40'	Eagle	Autospec V	15218	1996	10020847 / 30-1167	A.A.C. R18-2-722
Sand Conveyor	36" x 72'	1 <sup>st</sup> Sand Conveyor	36" x 72'	UM36X721324	N/A	10020842 / 29-1883	A.A.C. R18-2-722
Sand Stack Stacker	36" x 100'	Sand Stack Stacker	36" x 100'	UM36X1001325	N/A	10020843 / 29-1884	A.A.C. R18-2-722



ATTACHMENT "C": EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Water Clarifier	N/A	Wash Plant Clarifier	N/A	52-20860	1995	10020860 / 52- 1525	A.A.C. R18- 2-722
Belt Filter Press	7' x 17'	Phoenix	253	30T457748	1998	10021079 / 29- 1283	A.A.C. R18- 2-722
<b>CONCRETE BATCH PLANT</b>							
Conveyor Belt #1	24" x 80'	N/A	1"	UM24X801736	N/A	10021713 / 29- 2224	A.A.C. R18- 2-702.B and -723
Conveyor Belt #2	24" x 80'	N/A	½"	UM24X801737	N/A	10021714 / 29- 2225	A.A.C. R18- 2-702.B and -723
Conveyor Belt #3	24" x 80'	N/A	Chip	UM24X801738	N/A	10021715 / 29- 2226	A.A.C. R18- 2-702.B and -723
Conveyor Belt #4	24" x 80'	N/A	Sand	UM24X801739	N/A	10021717 / 29- 2227	A.A.C. R18- 2-702.B and -723
Batch Plant	240 yd <sup>3</sup> /hr	Besser	M-12 / APPCO	30612	9/1/1997	10021720 / 34- 0682	A.A.C. R18- 2-702.B and -723
Feed Bin #1	10' x 12'	N/A	1"	UM10X121740	N/A	10021707 / 30- 4065	A.A.C. R18- 2-702.B and -723
Feed Bin #2	10' x 12'	N/A	½"	UM10X121741	N/A	10021708 / 30- 4066	A.A.C. R18- 2-702.B and -723
Feed Bin #3	10' x 12'	N/A	Chip	UM10X121742	N/A	10021709 / 30-4067	A.A.C. R18- 2-702.B and -723

ATTACHMENT "C": EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Feed Bin #4	10' x 12'	N/A	Sand	UM10X121743	N/A	10021711 / 30-4068	A.A.C. R18- 2-702.B and -723
Load Out Dust Collector	550 ft <sup>3</sup> /min	Besser	M-12 / APPCO	30612	9/1/1997	10021720 / 34- 0682	A.A.C. R18- 2-702.B and -723
Cement Silo (135 Tons)	44 tph	Besser	M-12 / APPCO	1733443	9/1/1997	10021720 / 34- 0682D	A.A.C. R18- 2-702.B and -723
Baghouse – Cement Silo1	550 ft <sup>3</sup> /min	Besser	APPCO	DCS-260	9/1/1997	10021720 / 34- 0682D	A.A.C. R18- 2-702.B and -723
Baghouse – Cement Silo 2	550 ft <sup>3</sup> /min	Besser	APPCO	DCS-260	9/1/1997	10021720 / 34- 0682D	A.A.C. R18- 2-702.B and -723
Flyash Silo (60 Tons)	13 tph	Besser	M-12 / APPCO	1733808	9/1/1997	10021720 / 34- 0682E	A.A.C. R18- 2-702.B and -723
Baghouse – Flyash Silo	550 ft <sup>3</sup> /min	Besser	APPCO	DCS-260	9/1/1997	10021720 / 34- 0682E	A.A.C. R18- 2-702.B and -723
Propane Water Heater	2.2 MMBtu/hr	Power Flame	C2-G-15	109572561	9/1/1997	34-0682-W	A.A.C. R18- 2-724
<b>PORTABLE HSI CRUSHING AND SCREENING PLANT</b>							
Vibrating Grizzly Feeder	50"X18'	N/A	ASTECC	KP-JCI FT 425000	2020	419201	NSPS 40 CFR Part 60 Subpart OOO

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
HSI Impact Crusher	300 tph	N/A	ASTECC	KP-JCI FT 425000	2020	419201	NSPS 40 CFR Part 60 Subpart OOO
Conveyor (under crusher)	48"	N/A	ASTECC	KP-JCI FT 425000	2020	419201	NSPS 40 CFR Part 60 Subpart OOO
2-Deck Screen	6'X12'	N/A	ASTECC	KP-JCI FT 425000	2020	419201	NSPS 40 CFR Part 60 Subpart OOO
Conveyor (under screen)	48"	N/A	ASTECC	KP-JCI FT 425000	2020	419201	NSPS 40 CFR Part 60 Subpart OOO
Conveyor (return)	18"	N/A	ASTECC	KP-JCI FT 425000	2020	419201	NSPS 40 CFR Part 60 Subpart OOO
Stacker Conveyor	36"X60'	N/A	ASTECC	KP-JCI FT 425000	2020	419201	NSPS 40 CFR Part 60 Subpart OOO
<b>BONEYARD EQUIPMENT (AT LOCATION, BUT NOT IN USE)</b>							
Diesel Generator	95 HP, 60kW	Cat	SR4	4W8955	1980	10019689	NSPS 40 CFR Part 60 Subpart IIII

ATTACHMENT "C": EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
VSI Engine	600 HP	Cummins	KTA9P9600	37153483	1994	10019913	NSPS 40 CFR Part 60 Subpart IIII
Conveyor	24" X 100'	Convey	N/A	792080	1980	10020490 / 29-0504	A.A.C. R18-2-722
Conveyor	30" x 45'	Convey	N/A	N/A	2007	10020803 / 30-3873	A.A.C. R18-2-722
Conveyor	18" x 30'	Convey	18" x 30'	UM18X301756	N/A	10020814 / 29-2233	A.A.C. R18-2-722
VSI Sand Stacker	30" X 60'	Convey	N/A	UM30X601499	N/A	10020818 / 29-2032	A.A.C. R18-2-722
Stacker	30" x 72'	Convey	N/A	UM30X721311	N/A	10020830 / 29-1871	A.A.C. R18-2-722
Conveyor	20" x 90'	3/8" Rock Conveyor	20" x 90'	UM30X901321	N/A	10020839	A.A.C. R18-2-722
Conveyor	24" x 50'	1 <sup>st</sup> Belt Press	24" x 50'	UM24X501326	N/A	10020844	A.A.C. R18-2-722
Screen for Cone Crusher	400 tph	El Jay	3-Deck	2310589	1984	10020848	A.A.C. R18-2-722
Screen-Inclined	275 tph	SECO	3616	TB3914	8/1/1999	10020879	A.A.C. R18-2-722
VSI Screen	400 tph	El Jay	3-Deck	34G0194	1994	10021001 / 30-1125	A.A.C. R18-2-722
Diesel Generator	130 HP, 105kW	Cat	N/A	29A00452	N/A	10021799	NSPS 40 CFR Part 60 Subpart IIII

\*N/A – Not Applicable.