

CLASS II AIR QUALITY PERMIT

DRAFT PERMIT No.101128

PERMITTEE: Fisher Sand & Gravel Co.
FACILITY: Yuma Foothills (US-95)
PLACE ID: 235181
DATE ISSUED: Date Pending
EXPIRY DATE: Date Pending

SUMMARY

This Class II synthetic minor air quality permit is issued to Fisher Sand & Gravel Co., the Permittee, for the construction and operation of Fisher Sand & Gravel Co.'s portable crushing and screening, hot mix asphalt, wash, and lime marination plant. The facility is located at 14875 East 31st Street, Yuma, AZ 85367 Place ID 235181.

The uncontrolled emissions from this facility are greater than the significance levels identified in A.A.C. R18-2-101.131. Additionally, the uncontrolled emissions from this facility exceed the major source thresholds defined by A.A.C. R18-2-101.75a. However, the Permittee has elected to impose voluntary limitations to bring the controlled emissions of the facility below major source thresholds as allowed by R18-2-306.01. 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. 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 Code of Federal Regulations (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

[A.A.C. R18-2-315.A.1]

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

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

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. 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 March 15th, and shall report the compliance status of the source during the period between February 1st of the previous year and January 31st of the current 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]

VII. 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]

VIII. 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]

IX. 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]

X. 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]

XI. EXCESS EMISSIONS AND PERMIT DEVIATIONS 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.

[A.A.C. R18-2-310.01.A.1]

- (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.

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

- 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]

XII. 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]

XIII. 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]

XIV. 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]
- E. The applicability and requirements for such action are defined in the above referenced regulations.

XV. 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; [A.A.C. R18-2-317.02.B.1]
 - 2. Changing process equipment, operating procedures, or making any other physical change if the permit requires the change to be logged; [A.A.C. R18-2-317.02.B.2]
 - 3. Engaging in any new insignificant activity listed in A.A.C. R18-2-101.68 but not listed in the permit; [A.A.C. R18-2-317.02.B.3]
 - 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 [A.A.C. R18-2-317.02.B.4]
 - 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. A.A.C. R18-2-317.02.B.5]

- C. The following changes may be made if the source provides written notice to the Department in advance of the change as provided below:
- [A.A.C. R18-2-317.02.C]
1. Replacing an item of air pollution control equipment listed in the permit with one that is not identical but that is substantially similar and has the same or better pollutant removal efficiency: seven days. The Director may require verification of efficiency of the new equipment by performance tests;
[A.A.C. R18-2-317.02.C.1]
 2. A physical change or change in the method of operation that increases actual emissions more than 10% of the major source threshold for any conventional pollutant but does not require a permit revision: seven days;
[A.A.C. R18-2-317.02.C.2]
 3. Replacing an item of air pollution control equipment listed in the permit with one that is not substantially similar but that has the same or better efficiency: 30 days. The Director may require verification of efficiency of the new equipment by performance tests;
[A.A.C. R18-2-317.02.C.3]
 4. A change that would trigger an applicable requirement that already exists in the permit: 30 days unless otherwise required by the applicable requirement;
[A.A.C. R18-2-317.02.C.4]
 5. A change that amounts to reconstruction of the source or an affected facility: seven days. For purposes of this subsection, reconstruction of a source or an affected facility shall be presumed if the fixed capital cost of the new components exceeds 50% of the fixed capital cost of a comparable entirely new source or affected facility and the changes to the components have occurred over the 12 consecutive months beginning with commencement of construction; and
[A.A.C. R18-2-317.02.C.5]
 6. A change that will result in the emissions of a new regulated air pollutant above an applicable regulatory threshold but that does not trigger a new applicable requirement for that source category: 30 days. For purposes of this requirement, an applicable regulatory threshold for a conventional air pollutant shall be 10% of the applicable major source threshold for that pollutant.
- D. For each change under Condition XVI.C, the written notice shall be by certified mail or hand delivery and shall be received by the Director the minimum amount of time in advance of the change. Notifications of changes associated with emergency conditions, such as malfunctions necessitating the replacement of equipment, may be provided with less than required notice, but must be provided as far in advance of the change, or if advance notification is not practicable, as soon after the change as possible. The written notice shall include:
- [A.A.C. R18-2-317.02.D]
1. When the proposed change will occur,
[A.A.C. R18-2-317.02.D.1]

2. A description of the change,
[A.A.C. R18-2-317.02.D.2]
 3. Any change in emissions of regulated air pollutants, and
[A.A.C. R18-2-317.02.D.3]
 4. Any permit term or condition that is no longer applicable as a result of the change.
[A.A.C. R18-2-317.02.D.4]
- E.** 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]
- F.** 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]
- G.** 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]
- H.** 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.

XVI. 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. R18-2-312.F]

G. Report of Final Test Results

A written report of the results of performance tests conducted pursuant to 40 CFR 60 and 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 XVI.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]

XVII. PROPERTY RIGHTS

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]

XVII. 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]

XVIII. 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]

XIX. 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]

XX. 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]

XXI. 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]

DRAFT

ATTACHMENT "B": SPECIFIC CONDITIONS

I. FACILITY-WIDE REQUIREMENTS

A. Applicability

This Section is applicable to facility-wide operations

B. 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.B.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 two hours.

(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.B.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 two hours.

(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

I. FACILITY-WIDE REQUIREMENTS

(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 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.

C. Recordkeeping and Reporting Requirements

II. Hot Mix Asphalt Plant

1. Deviations from the following Attachment “B” permit conditions shall be promptly reported in accordance with Condition XI.B.2 of Attachment “A”:
[A.A.C. R18-2-306.A.5.b]
 - a. Condition II.B.1.a
 - b. Condition III.B.1.b
 - c. Condition III.B.1.c
 - d. Condition IV.B.1.a
 - e. Condition III.C.2.b
 - f. Condition IV.D.2
 - g. Condition V.C
 - h. Condition VI.D
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.3.c]
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.a]

D. Permit Shield

Nothing in this permit shall alter or affect the following:

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

1. The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that Section;
2. The liability of the facility for any violation of applicable requirements prior to or at the time of permit issuance;
3. The ability of the EPA Administrator or the Director to obtain information from the facility pursuant to Section 114 of the Act, or any provision of state law; and
4. The authority of the Director to require compliance with new applicable requirements adopted after the permit is issued

II. HOT MIX ASPHALT PLANT

A. Applicability

II. Hot Mix Asphalt Plant

1. Hot Mix Asphalt facility is defined as any combination of the following equipment:
 - a. Dryers;
 - b. Systems for Screening, Handling, Storing, and Weighing Hot Aggregates;
 - c. Systems for Loading, Transferring, and Storing Mineral Filler;
 - d. Systems for Mixing Hot Mix Asphalt; and
 - e. Loading, Transfer, and Storage Systems Associated with Emission Control Systems.

B. Throughput Requirements

1. Throughput Limitation

- a. The Permittee shall not operate the hot mix asphalt plant such that the throughput exceeds 250,000 tons per year (tpy) based on a 12-month rolling total, as measured at the weigh hoppers under each bin feeder.
[A.A.C. R18-2-306.01]

2. Monitoring, Recordkeeping, and Reporting Requirements

- a. *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 asphalt produced. The weighing devices shall have an accuracy of plus or minus 5 percent over their operating range.*

[A.A.C. R18-2-306.A.4 and -331.A.3.c]

[Material permit conditions are indicated by underline and italics]

- b. The Permittee shall maintain records of the total daily throughput of material, in tons per day, processed by the hot mix asphalt plant.

[A.A.C. R18-2-306.A.3.c and -306.A.4]

- c. At the end of each month, the Permittee shall calculate the 12-month rolling total throughput for the hot mix asphalt plant to demonstrate compliance with the throughput limits in Condition II.B.1.

[A.A.C. R18-2-306.A.3 and -306.A.4]

- d. The Permittee shall submit records of the 12-month rolling total throughput of material for the hot mix asphalt plant along with the compliance certification in Section VII of Attachment "A".

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

C. Smoke Point Requirements

1. Smoke Point Limits

II. Hot Mix Asphalt Plant

- a. The Permittee shall have, on site, a certificate stating the asphaltic smoke point for the material being processed. [A.A.C. R18-2-306.3.c]
- b. The Permittee shall not operate the dryer burner in such a way that the temperature of the hot aggregate mixture is equal to or greater than the smoke point of the material being processed. [A.A.C. R18-2-306.A.3.c]

D. Fuel Limitations

- 1. The Permittee shall only burn “on specification” used oil in the Drum Dryer that meets the following conditions: [A.A.C. R18-2-306.01]
 - a. The used oil must be analyzed and certified by the marketer (oil supplier) to be “on specification” according to the definition in A.R.S. §49-801;
 - b. The flash point shall be at least 100°F; and
 - c. The contaminants must not exceed the levels (in part per million by weight) provided below:

Contaminant	Limit
Arsenic	5 ppm
Cadmium	2 ppm
Chromium	10 ppm
Lead	100 ppm
Halogens	1000 ppm
PCBs	2 ppm

- 2. *The Permittee shall not burn hazardous waste in the drum dryer.* [A.A.C. R18-2-306.01, and -331.A.3.a]
 [Material permit conditions are indicated by underline and italics]

E. Particulate Matter & Opacity

- 1. Emissions Limitations & Standards
 - a. On and after the date on which the performance test to be conducted in Condition III.E.5 is completed the facility shall not discharge or cause the discharge into the atmosphere from any affected facility any gases which:

II. Hot Mix Asphalt Plant

- (1) The Permittee shall not cause or allow to be discharged into the atmosphere particulate matter in excess of 0.04 grains per dry standard cubic foot (gr/dscf).

[40 CFR 60.92(a)(1)]

- (2) The Permittee shall not cause or allow to be discharged into the atmosphere from any equipment listed in Condition II.A.1, any plume which exhibits opacity greater than 20 percent.

[A.A.C. R18-2-331.A.3.f and 40 CFR 60.92(a)(2)]

[Material permit conditions are indicated by underline and italics]

b. Permit Shield

Compliance with Conditions II.E.1.a and b shall be deemed compliance with 40 CFR 60.92(a)(1)-(2).

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

2. Air Pollution Control Requirements

a. Drum Dryer Baghouse

At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, install, maintain, and operate a baghouse on the drum dryer in a manner consistent with good air pollution control practice for minimizing particulate matter emissions.

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

[Material permit conditions are indicated by underline and italics]

b. Spray Bars

The Permittee shall install, maintain, and operate spray bars at all times, including periods of startup, shutdown, and malfunction to control visible emissions from screening, handling, transporting or conveying of materials, or other operations likely to result in significant amounts of airborne dust, or the material shall be adequately wet to minimize visible emissions to the extent practicable.

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

[Material permit conditions are indicated by underline and italics]

c. Product Delivery System

The Permittee shall maintain, and operate the product delivery system so as to minimize visible emissions during material transfer to trucks.

[A.A.C. R18-2-306.01.A]

3. Monitoring Requirements

- a. To demonstrate compliance with the opacity limit contained in Condition II.E.1.a, the Permittee shall conduct weekly monitoring of visible emissions from the equipment under this Section, when in operation, in accordance with Condition I.B of Attachment "B".

II. Hot Mix Asphalt Plant

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

b. Baghouse

- (1) *The Permittee shall install, calibrate, maintain and operate a device for the continuous measurement of the pressure drop across the baghouse. The monitoring device must be certified by the manufacturer to be accurate within ± 250 pascals (± 1 -inch water gauge pressure) and must be calibrated on an annual basis in accordance with manufacturer's instructions.*

[A.A.C. R18-2-306.A.3.c, A.A.C. R18-2-331.A.3.c]

[Material permit conditions are indicated by underline and italics]

- (2) At the time of performance test, the Permittee shall monitor the pressure drop across the baghouse and establish the operating range. The operating range shall be $\pm 30\%$ of the average of the pressure drop reading recorded during the performance tests.

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

- (3) The Permittee shall record the pressure drop across the baghouse once per day. If the pressure drop is outside the range established during the performance test, the Permittee shall take corrective action to bring this parameter within the normal range. The Permittee may use the manufacturer's recommended range until the performance test is conducted and the operating range is established.

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

- (4) 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

II. Hot Mix Asphalt Plant

- (f) The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions III.E.3.b(4)(a) through (e).

c. Wet Suppression Systems

- (1) Water sprays shall be operated and maintained in accordance with the following:

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

- (a) Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened;
- (b) Following shut-down, all nozzles shall be inspected and all associated valves shall be closed;
- (c) The spray system shall be checked daily for performance; and
- (d) All nozzles and valves shall be cleaned or replaced as needed.

- (2) Water trucks, or the equivalent, shall be operated and maintained in accordance with the following:

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

- (a) Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened;
- (b) Following shut-down, all nozzles shall be inspected and all associated valves shall be closed;
- (c) Safety and equipment checks shall be conducted daily; and
- (d) Normal vehicle maintenance shall be performed on a regular or “as needed” basis.

- (3) The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions III.E.3.c(1) and (2).

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

d. Black light inspection for Baghouse

- (1) The Permittee shall conduct periodic black light inspections on the bags contained in the drum dryer baghouse in an effort to detect

II. Hot Mix Asphalt Plant

broken or leaking bags. The black light inspection shall be performed every 6 months, and within 15 days after any move.

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

- (2) If broken or leaking bags are detected, the Permittee shall repair or replace the bags as soon as practicable.

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

- (3) Upon completion of the inspection, the Permittee shall record the name of the inspector, the date, the time, and the results of the inspection and repairs.

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

- (4) If the facility is not operating, the black light inspection is not required to be performed for the duration of non-operation. Within 15 days of resumption of operation, the Permittee shall perform the black light inspection. The Permittee shall document periods of non-operation.

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

4. Recordkeeping Requirements

- a. The Permittee shall maintain, on site, copies of the fuel analysis supplied by the marketer for each batch of "on specification" used oil, and shall be responsible for ensuring that the results of the analyses confirm that the contaminant levels specified in Condition II.D.1 are not exceeded.

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

- b. The Permittee shall maintain records of the production rate of hot mix asphalt and the percentage of recycled asphalt in the aggregate.

[A.A.C. R18-2-306.A.3.c and - A.4]

5. Testing Requirements

- a. The Permittee shall, within 180 days of issuance of the air quality permit, conduct initial performance test for particulate matter (PM) in accordance with EPA Reference Method 5, or other method approved by the Director, to demonstrate compliance with the emission limitation in Condition II.E.1.a.

[40 CFR 60.8 and A.A.C. R18-2-312]

- b. If the emissions during a performance test in Condition II.E.5.a are more than 75 percent of the applicable emission standard, the Permittee shall conduct a subsequent performance test between 10 and 14 months of the date of previous test.

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

- c. If emissions during a performance test in Condition II.E.5.a, or in any subsequent performance test in Condition II.E.5.b are less than or equal to 75 percent of the applicable emission standards, no subsequent performance test is required in the permit term.

III. ASPHALT HEATER REQUIREMENTS

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

- d. The Permittee shall, within 180 days of issuance of the air quality permit, conduct initial performance test using EPA Reference Method 9 and the procedures in 40 CFR 60.11, or other method approved by the Director, to demonstrate compliance with the opacity limitation in Condition II.E.1.b.
[40 CFR 60.93(b)(2) and A.A.C. R18-2-312]

- e. The performance tests required in the Conditions II.E.5.a through c shall be performed when the facility is operating at more than 90% of the representative operating capacity of the drum dryer.
[A.A.C. R18-2-306.A.3.c and -312.A]

- f. Permit Shield

Compliance with Conditions II.5.5.a through e shall be deemed compliance with 40 CFR 60.8, A.A.C. R18-2-312, and 40 CFR 60.93(b)(1)-(2).

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

III. ASPHALT HEATER REQUIREMENTS

A. Applicability

This Section is applicable to the asphalt heater.

B. Fuel Requirements

1. Fuel Limitations

- a. The Permittee shall burn only on spec used oil in the asphalt heater.
[A.A.C. R18-2-306.01.A]

- b. *The Permittee shall not burn more than 400 gallons per hour of fuel in the asphalt heater.*

[[A.A.C. R18-2-306.01. A and -331. A.3.e]

[Material permit conditions are indicated by underline and italics]

- c. *The Permittee shall not combust more than 250,000 gallons per year of fuel in the asphalt heater.*

[A.A.C. R18-2-306.01. A and -331. A.3.e]

[Material permit conditions are indicated by underline and italics]

2. Monitoring, Recordkeeping and Reporting Requirements

- a. The Permittee shall maintain records of the hourly usage of fuel in the asphalt heater to demonstrate compliance with the fuel limit in Condition III.B.1.b.

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

III. ASPHALT HEATER REQUIREMENTS

- b. At the end of each month, the Permittee shall calculate the 12-month rolling total fuel usage in the asphalt heater to demonstrate compliance with the limit in Condition III.B.1.c.
[A.A.C. R18-2-306.A.4]
- c. The Permittee shall submit records of the hourly fuel usage in the asphalt heater along with the compliance certification in Section VII of Attachment "A".
[A.A.C. R18-2-306.A.5]
- d. The Permittee shall keep records of fuel supplier certifications. The certification shall contain information regarding the name of fuel supplier and heating value of the fuel. These records shall be made available to ADEQ upon request.
[A.A.C. R18-2-306.A.3.c]
- e. When in operation, the Permittee shall conduct weekly monitoring of visible emissions from the stack of the asphalt heater, as specified in Condition I.B of Attachment "B".
[A.A.C. R18-2-306.A.3.c]
- f. The Permittee shall report all 6-minute periods during which the visible emissions exceed 15 percent opacity, as required in Condition XI.A of Attachment "A".
[A.A.C. R18-2-724.J]

3. Permit Shield

Compliance with the Condition III.B.2.f shall be deemed compliance with A.A.C. R18-2-724.J.

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

C. Particulate Matter and Opacity

1. Emissions Limitations and Standards

- a. The Permittee shall not cause, allow or permit the emission of particulate matter, caused by combustion of fuel in Asphalt Heater into the atmosphere in excess of the amounts calculated by the following equation:

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

Where:

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

Q = the heat input in million Btu per hour

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

b. For purposes of Condition III.C.1.a, the heat input shall be the aggregate heat content of all fuels whose products of combustion pass through a stack or other outlet. The total heat input of all fuel-burning units on a plant or premises shall be used for determining the maximum allowable amount of particulate matter, which may be emitted.

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

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

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

2. Monitoring, Recordkeeping, and Reporting Requirements

a. The Permittee shall meet the Conditions III.B.2d-2.f to satisfy the monitoring, recordkeeping and reporting requirements of this section.

3. Permit Shield

Compliance with the Conditions III.C.1.a through c and Condition III.C.2.c shall be deemed compliance with A.A.C. R18-2-724.B, C.1, and J.

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

D. Sulfur Dioxide

1. Emission Limitations and Standards

The Permittee shall not emit or cause to emit more than 1.0 pound of sulfur dioxide per million Btu.

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

2. Monitoring, Recordkeeping and Reporting Requirements

The Permittee shall keep records of fuel supplier certifications to demonstrate compliance with the sulfur content limit in Condition III.D.1.

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

3. Permit Shield

Compliance with the Condition III.D.1 shall be deemed compliance with A.A.C. R18-2-724.E.

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

IV. CRUSHING AND SCREENING OPERATIONS

A. Applicability

1. Section IV is applicable to the following equipment:

[40 CFR 60.670(a) and (e)]

a. Crushers;

- b. Grinding mills;
- c. Screening operations;
- d. Bucket elevators;
- e. Belt conveyors;
- f. Bagging operations;
- g. Storage bins;
- h. Feed hoppers;
- i. Stackers;
- j. Enclosed truck or railcar loading stations; and
- k. Crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the requirements of this Section.

B. Throughput Requirements

1. Throughput Limitation

- a. The Permittee shall not operate the crushing and screening plant such that the throughput exceeds 1,400,000 tpy based on a 12-month rolling total.
[A.A.C. R18-2-306.01.A]

2. Monitoring, Recordkeeping and Reporting Requirements

- a. *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. R18-2-306.A.4 and -331.A.3.c]

[Material permit conditions are indicated by underline and italics]

- b. The Permittee shall maintain records of the total daily throughput of material, in tons per day, processed by the crushing and screening plant.

[A.A.C. R18-2-306.A.3.c and -306.A.4]

- c. At the end of each month, the Permittee shall calculate the 12-month rolling total throughput for the crushing and screening plant, to demonstrate compliance with the throughput limits in Conditions IV.B.1.a-d

[A.A.C. R18-2-306.A.3 and -306.A.4]

- d. The Permittee shall submit records of the 12-month rolling total throughput of material for the crushing and screening plant along with the compliance certification in Section VII of Attachment "A".
[A.A.C. R18-2-306.A.5]

C. Notification Requirements

1. The Permittee shall furnish to the Director a written notification as follows:
- a. A notification of any physical or operational change to an affected facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e).
[40 CFR 60.7(a)(4)]
- b. This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Director may request additional relevant information subsequent to this notice.
[40 CFR 60.7(a)(4)]

D. Particulate Matter and Opacity

1. Emission Limitations and Air Pollution Control
- a. *The Permittee shall not allow to be discharged into the atmosphere from any crusher any fugitive emissions which exhibit visible emissions greater than 12 percent opacity.*
[40 CFR 60.672(b), Table 3 of 40 CFR 60 Subpart OOO 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 grinding mill, screening operation, bucket elevator, transfer point on belt conveyors, bagging operation, storage bin, enclosed truck or any other affected facility, any fugitive emissions (including emissions escaping capture systems) which exhibit visible emissions greater than 7 percent opacity.*
[40 CFR 60.672(b), Table 3 of 40 CFR 60 Subpart OOO and A.A.C. R18-2-331.A.3.f]
[Material permit conditions are indicated by underline and italics]
- c. Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.
[40 CFR 60.672(d)]
- d. Permit Shield

Compliance with Conditions IV.D.1.a through c shall be deemed compliance with 40 CFR 60.672(b), Table 3 of 40 CFR 60 Subpart OOO and 60.672(d).

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

2. Air Pollution Control Requirements

At all times, including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable, install, maintain, and operate spray bars at the crushing and screening plant in a manner consistent with good air pollution control practice for minimizing particulate matter emissions.

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

[Material permit conditions are indicated by underline and italics]

3. Monitoring, Reporting, and Recordkeeping Requirements

a. When in operation, the Permittee shall conduct weekly opacity monitoring on the equipment under this Section to which an opacity standard applies, in accordance with Condition I.B of Attachment "B".

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

b. 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 IV.D.3.d.

[CFR 60.674(b)]

(1) If the Permittee relies on water carryover from upstream water sprays to control fugitive emissions, then the Permittee is exempt from the 5-year repeat testing requirement specified in Condition IV.D.4.a provided that the following criteria are met:

(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 Conditions IV.D.3.b and IV.D.3.d; and

[40 CFR 60.674(b)(1)(i)]

(b) The Permittee designates 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 IV.D.4.

[40 CFR 60.674(b)(1)(ii)]

(2) If the Permittee 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 IV.D.3.d shall specify the control mechanism being used instead of the water sprays.

[40 CFR 60.674(b)(2)]

c. Wet Operations

The Permittee that operates any wet material processing operation that processes saturated material and subsequently processes unsaturated materials shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limits and the emission test requirements of 40 CFR 60.11.

[40 CFR 60.676(g)]

- d. The Permittee shall record each periodic inspection required under Conditions IV.D.3.b including dates and any corrective actions 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(b)(1)]

e. Permit Shield

Compliance with Conditions IV.D.3.b through d shall be deemed compliance with 40 CFR 60.674(b), 60.676(g), 60.676(f) and 676(b)(1).

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

4. 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 IV.D.1.a and b by conducting initial performance tests according to 40 CFR 60.11 and the test methods and procedures of Condition IV.D.4.b. Facilities that 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. In determining compliance with the fugitive emission opacity standards in Condition IV.D.1, the Permittee shall use Method 9 or other approved method by the Director, 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).

[40 CFR 60.675(c)(1)(i)]

- (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.

[40 CFR 60.675(c)(1)(ii)]

- (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.

[40 CFR 60.675(c)(1)(iii)]

- c. When determining compliance with the fugitive emissions standards under Condition IV.D.1, the duration of the Method 9 observations shall be 30 minutes. 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. The Permittee may use the following as alternatives to the reference methods and procedures specified in Condition IV.D.4:

[40 CFR 60.675(e)]

- (1) For the method and procedure of Condition IV.D.4.b, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

[40 CFR 60.675(e)(1)]

- (a) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

[40 CFR 60.675(e)(1)(i)]

- (b) Separate the emissions so that the opacity of emissions from each affected facility can be read.

[40 CFR 60.675(e)(1)(ii)]

- (2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

[40 CFR 60.675(e)(2)]

- (a) No more than three emission points may be read concurrently.

[40 CFR 60.675(e)(2)(i)]

- (b) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that

V. WASH PLANT REQUIREMENTS

the proper sun position can be maintained for all three points.

[40 CFR 60.675(e)(2)(ii)]

- (c) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

[40 CFR 60.675(e)(2)(iii)]

- e. The Permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in Condition IV.D.1 above, including reports of opacity observations made using Method 9, or other approved method.

[40 CFR 60.675(f)]

- f. For performance tests involving only EPA Reference 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)]

- g. If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in 40 CFR 60.671), the Permittee may postpone the initial performance test until no later than 60 calendar days after resuming operation, with approval from the Director.

[40 CFR 60.675(i)]

- h. Permit Shield

Compliance with Conditions V.D.4.a through g shall be deemed compliance with Table 3 of 40 CFR 60 Subpart OOO, 40 CFR 60.675(c)(1), 60.675(c)(3), 60.675(e)(1)-(3), 60.675(f), 60.675(g), and 60.675(i).

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

V. WASH PLANT REQUIREMENTS

A. Applicability

Section V is applicable to the wash plant at the facility.

B. Throughput Limitations

1. The Permittee shall not operate the wash plant such that the throughput exceeds 500,000 tpy based on a 12-month rolling total.

[A.A.C. R18-2-306.01.A]

C. Air Pollution Control Requirements

VI. LIME PLANT REQUIREMENTS

1. The Permittee shall install, maintain and operate spray bars, or equivalent control equipment to control visible emissions from screening, handling, transporting or conveying of materials, or other operations likely to result in significant amounts of airborne dust.

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

2. 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]

3. Permit Shield

Compliance with the Conditions V.C.2 shall be deemed compliance with A.A.C. R18-2-722.D.

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

D. Recordkeeping Requirements

The Permittee shall maintain a log of any maintenance activities performed on the spray bars. The log shall include the date, time, type and duration of maintenance activities performed.

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

VI. LIME PLANT REQUIREMENTS

A. Applicability

1. Lime Plant is defined as any plant which produces a lime product from limestone by calcination. Hydration of the lime product is also considered to be part of the source.

[A.A.C. R18-2-101.72]

B. Throughput Requirements

1. Throughput Limitation

The Permittee shall not operate the lime plant such that the throughput exceeds 250,000 tons per year (tpy) based on a 12-month rolling total, as measured at the weigh hoppers under each bin feeder.

[A.A.C. R18-2-306.01 and -331.A.3.a]

[Material permit conditions are indicated by underline and italics]

C. Monitoring, Recordkeeping, and Reporting Requirements

VII. FUGITIVE DUST REQUIREMENTS

- a. *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 lime used. The weighing devices shall have an accuracy of plus or minus 5 percent over their operating range.*
[A.A.C. R18-2-306.A.4 and -331.A.3.c]
[Material permit conditions are indicated by underline and italics]
- b. The Permittee shall maintain records of the total daily throughput of material, in tons per day, processed by lime plant.
[A.A.C. R18-2-306.A.3.c and -306.A.4]
- c. At the end of each month, the Permittee shall calculate the 12-month rolling total throughput for the lime plant to demonstrate compliance with the throughput limits in Condition VI.B.1.
[A.A.C. R18-2-306.A.3 and -306.A.4]
- d. The Permittee shall submit records of the 12-month rolling total throughput of material for the lime plant along with the compliance certification in Section VII of Attachment "A".
[A.A.C. R18-2-306.A.]

D. Wet Suppression Systems

- a. Water sprays shall be operated and maintained in accordance with the following:
[A.A.C. R18-2-306.A.3.c]
- (1) Prior to start-up, the water supply shall be checked, all nozzles shall be inspected, and all associated valves shall be opened;
 - (2) Following shut-down, all nozzles shall be inspected and all associated valves shall be closed;
 - (3) The spray system shall be checked daily for performance; and
 - (4) All nozzles and valves shall be cleaned or replaced as needed.
- b. The Permittee shall maintain records which demonstrate compliance with the activities listed in Conditions VIII C.a-d.
[A.A.C. R18-2-306.A.4]

VII. FUGITIVE DUST REQUIREMENTS

A. Applicability

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

B. Particulate Matter and Opacity

VII. FUGITIVE DUST REQUIREMENTS

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

1. Emission Limitations/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 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]

VIII. OTHER PERIODIC ACTIVITIES

- (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. Monitoring and Recordkeeping Requirements

- a. The Permittee shall maintain records of the dates on which any of the activities listed in Condition VII.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

Each week, the Permittee shall monitor visible emissions from fugitive sources in accordance with Condition I.B of Attachment "B".
[A.A.C. R18-2-306.A.3.c]

C. Permit Shield

Compliance with Section VII.B.1.a shall be deemed compliance with A.A.C. R18-2-604, -605, -606, 607, -608, and -614.
[A.A.C. R18-2-325]

VIII. OTHER PERIODIC ACTIVITIES

A. Abrasive Blasting

1. Particulate Matter and Opacity

- a. Emission Limitations/Standards

VIII. OTHER PERIODIC ACTIVITIES

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

- a. 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]

- (1) The date the project was conducted;
- (2) The duration of the project; and
- (3) Type of control measures employed.

- b. Each time an abrasive blasting project is conducted, the Permittee shall monitor visible emissions from the project in accordance with Condition I.B of Attachment "B".

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

3. Permit Shield

Compliance with Condition VIII.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/Standards

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

VIII. OTHER PERIODIC ACTIVITIES

- (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 VIII.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 VIII.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.
[[A.A.C. R18-2-727.C.1]
 - (b) A combination of aromatic compounds with eight or more carbon atoms to the molecule except ethylbenzene: 8 percent.
[A.A.C. R18-2-727.C.2]
 - (c) A combination of ethylbenzene, ketones having branched hydrocarbon structures, trichloroethylene or toluene: 20 percent.
[A.A.C. R18-2-727.C.3]
- (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 VIII.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

VIII. OTHER PERIODIC ACTIVITIES

- (1) Each time a spray painting 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;
 - (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 VIII.B.1.b(1).

c. Permit Shield

Compliance with Condition VIII.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/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. Monitoring, Recordkeeping and Reporting Requirements

Each time a spray-painting project is conducted, the Permittee shall monitor visible emissions in accordance with Condition I.B of Attachment "B".

c. Permit Shield

Compliance with Condition VIII.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/Standard

The Permittee shall comply with all of the requirements of 40 CFR 61 Subpart M (National Emissions 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 VIII.C.1 shall be deemed compliance with A.A.C. R18-2-1101.A.12.

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

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ATTACHMENT “C”: EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Crushing & Screening Plant							
Mining	TBD	TBD	TBD	TBD	TBD	A00	40 CFR 60 Subpart 000
Feed Hopper (C&S Plant)	TBD	TBD	TBD	TBD	TBD	A01	40 CFR 60 Subpart 000
Feed Hopper (Wash Plant)	TBD	TBD	TBD	TBD	TBD	A02	40 CFR 60 Subpart 000
Crusher (Jaw)	350 TPH	TBD	TBD	TBD	TBD	A03	40 CFR 60 Subpart 000
Crusher (Cone)	350 TPH	TBD	TBD	TBD	TBD	A03	40 CFR 60 Subpart 000
Crusher (VSI)	350 TPH	TBD	TBD	TBD	TBD	A03	40 CFR 60 Subpart 000
Crusher (Jaw)	350 TPH	TBD	TBD	TBD	TBD	A03	40 CFR 60 Subpart 000
Screen	600 TPH	TBD	TBD	TBD	TBD	A04	40 CFR 60 Subpart 000
Screen	600 TPH	TBD	TBD	TBD	TBD	A04	40 CFR 60 Subpart 000
Screen	300 TPH	TBD	TBD	TBD	TBD	A04	40 CFR 60 Subpart 000
Transfer Points	TBD	TBD	TBD	TBD	TBD	A05	40 CFR 60 Subpart 000
Transfer Points	TBD	TBD	TBD	TBD	TBD	A06	40 CFR 60 Subpart 000
Transfer Points	TBD	TBD	TBD	TBD	TBD	A07	40 CFR 60 Subpart 000
Transfer Points	TBD	TBD	TBD	TBD	TBD	A08	40 CFR 60 Subpart 000

: EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Transfer Points	TBD	TBD	TBD	TBD	TBD	A09	40 CFR 60 Subpart OOO
Transfer Points	TBD	TBD	TBD	TBD	TBD	A10	40 CFR 60 Subpart OOO
Stackers	TBD	TBD	TBD	TBD	TBD	A11	40 CFR 60 Subpart OOO
Stackers	TBD	TBD	TBD	TBD	TBD	A12	40 CFR 60 Subpart OOO
Stackers	TBD	TBD	TBD	TBD	TBD	A13	40 CFR 60 Subpart OOO
Hot Mix Asphalt Plant							
Feed Hopper (Hot Plant)	TBD	TBD	TBD	TBD	TBD	B01	40 CFR 60 Subpart I
Feed Hopper (RAP)	TBD	TBD	TBD	TBD	TBD	B02	40 CFR 60 Subpart OOO
Screen (Hot Plant)	TBD	TBD	TBD	TBD	TBD	B03	40 CFR 60 Subpart I
Screen (RAP)	TBD	TBD	TBD	TBD	TBD	B04	40 CFR 60 Subpart OOO
Transfer Points	TBD	TBD	TBD	TBD	TBD	B05	40 CFR 60 Subpart I
Transfer Points	TBD	TBD	TBD	TBD	TBD	B06	40 CFR 60 Subpart I
Pugmill	300 TPH	TBD	TBD	TBD	TBD	B07	40 CFR 60 Subpart I
Lime Silo	75 TPH	TBD	TBD	TBD	TBD	B08	40 CFR 60 Subpart I
Drum Dryer	400 TPH	CMI	PTD-400	132	1996	B09	40 CFR 60 Subpart I

: EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHP
Silo Filling & Plant Load-Out	TBD	TBD	TBD	TBD	TBD	B10	40 CFR 60 Subpart I
Diesel-Fired Hot Oil Heater	1.84 MMBtu/hr	CEI	1500A	H119296	TBD	B11	40 CFR 60 Subpart I
Lime Marination Plant							
Feed Hopper (Lime Plant)	TBD	TBD	TBD	TBD	TBD	C01	40 CFR 60 Subpart OOO
Transfer Points	TBD	TBD	TBD	TBD	TBD	C02	40 CFR 60 Subpart OOO
Pugmill	300 TPH	TBD	TBD	TBD	TBD	C03	40 CFR 60 Subpart OOO
Lime Silo	TBD	TBD	TBD	TBD	TBD	C04	40 CFR 60 Subpart OOO
Fugitive Emission Sources							
Storage Piles	TBD	TBD	TBD	TBD	TBD	D01	A.A.C. R18-2-614
Vehicular Traffic	TBD	TBD	TBD	TBD	TBD	D02	A.A.C. R18-2-614

TBD-To be determined.