

## CLASS II AIR QUALITY PERMIT

### DRAFT PERMIT No. 83009

**PERMITTEE:** Copperstate Farms Management, LLC  
**FACILITY:** Copperstate Farms Management, LLC - Snowflake Facility  
**PLACE ID:** 17541  
**DATE ISSUED:** TBD  
**EXPIRY DATE:** TBD

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### SUMMARY

This Class II synthetic minor air quality permit is issued to Copperstate Farms Management, LLC, the Permittee, for the continued operation of a medical cannabis greenhouse production facility. The facility is located at 650 N Industrial Drive, Snowflake, AZ 85937. This permit renews and supersedes Permit #61747.

Copperstate Farms Management, LLC - Snowflake Facility is a medical cannabis greenhouse production facility. The facility has one greenhouse, Site #7, consisting of three (3) boilers, four (4) emergency generators, and two (2) sulfuric acid tanks. The boilers are nominally rated between 30 to 35 MMBtu per hour and are used to regulate the temperature of the greenhouses and provide additional carbon dioxide to optimize the growth of the crops. All the boilers at the facility are capable of being fired by natural gas or diesel. The generators at the facility are used solely for providing power in emergency situations. These generators use diesel fuel. The rated capacities of the generators are 603 hp, 827 hp, and 1,207 hp.

The uncontrolled NO<sub>x</sub> emissions from this facility are greater than the significance levels identified in A.A.C. R18-2-101.130. Therefore, a class II permit is required for this facility in accordance with A.A.C. R18-2-302.B.2.a. The facility is categorized as a “synthetic minor” for major source applicability purposes because of the voluntary limitations accepted by the facility for the operation of the boilers. This permit is issued in accordance with the applicable requirements in the Arizona Administrative Code.

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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**Table of Contents**

<b>ATTACHMENT “A”: GENERAL PROVISIONS.....</b>	<b>4</b>
I. PERMIT EXPIRATION AND RENEWAL.....	4
II. COMPLIANCE WITH PERMIT CONDITIONS .....	4
III. PERMIT REVISION, REOPENING, REVOCATION AND REISSUANCE, OR TERMINATION FOR CAUSE.....	4
IV. POSTING OF PERMIT .....	5
V. FEE PAYMENT .....	5
VI. ANNUAL EMISSION INVENTORY QUESTIONNAIRE .....	5
VII. COMPLIANCE CERTIFICATION .....	5
VIII. CERTIFICATION OF TRUTH, ACCURACY AND COMPLETENESS .....	6
IX. INSPECTION AND ENTRY .....	6
X. PERMIT REVISION PURSUANT TO FEDERAL HAZARDOUS AIR POLLUTANT STANDARD.....	7
XI. ACCIDENTAL RELEASE PROGRAM.....	7
XII. EXCESS EMISSIONS, PERMIT DEVIATIONS, AND EMERGENCY REPORTING .....	7
XIII. RECORDKEEPING REQUIREMENTS .....	13
XIV. DUTY TO PROVIDE INFORMATION.....	13
XV. PERMIT AMENDMENT OR REVISION.....	14
XVI. FACILITY CHANGE WITHOUT A PERMIT REVISION .....	14
XVII. TESTING REQUIREMENTS .....	17
XVIII. PROPERTY RIGHTS.....	19
XIX. SEVERABILITY CLAUSE .....	19
XX. PERMIT SHIELD.....	20
XXI. PROTECTION OF STRATOSPHERIC OZONE .....	20
XXII. APPLICABILITY OF NSPS/NESHAP GENERAL PROVISIONS .....	20
<b>ATTACHMENT “B”: SPECIFIC CONDITIONS .....</b>	<b>21</b>
I. FACILITY-WIDE REQUIREMENTS.....	21
II. BOILERS.....	23
III. EMERGENCY INTERNAL COMBUSTION ENGINES (ICE) .....	26
IV. SULFURIC ACID TANKS.....	37
V. FUGITIVE DUST REQUIREMENTS.....	39
VI. OTHER PERIODIC ACTIVITIES.....	41
<b>ATTACHMENT “C”: EQUIPMENT LIST.....</b>	<b>45</b>

**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. ANNUAL EMISSION INVENTORY QUESTIONNAIRE**

**A.** The Permittee shall complete and submit to the Director an annual emissions inventory questionnaire. The questionnaire is due by March 31<sup>st</sup> or ninety (90) days after the Director makes the inventory form available each year, whichever occurs later, and shall include emission information for the previous calendar year.

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

**B.** The questionnaire shall be on a form provided by the Director and shall include the information required by A.A.C. R18-2-327.B.

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

#### **VII. COMPLIANCE CERTIFICATION**

**A.** The Permittee shall submit a compliance certification to the Director semiannually which describes the compliance status of the source with respect to each permit condition. The certifications shall be submitted no later than May 15th and November 15th. The May 15th compliance certification shall report the compliance status of the source during the period between October 1st of the previous year and March 31st of the current year. The November 15th compliance certification shall report the compliance status of the source during the period between April 1st and September 30th 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. For emission units subject to 40 CFR Part 64, the certification shall also identify as possible exceptions to compliance any period during which compliance is required and in which an excursion or exceedance defined under 40 CFR Part 64 occurred;  
[A.A.C. R18-2-309.2.c.iii]

5. 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.3 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 the “Annual/Semiannual Deviation Monitoring Report” form available on the Arizona Department of Environmental Quality Website.  
[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]

- 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]
- E. 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 Conditions XVI.B and XVI.C, 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. Except as otherwise provided in the conditions applicable to an emissions cap created under A.A.C. R18-2-306.02, the following changes may be made if the source keeps on site records of the changes according to Appendix 3 of the Arizona Administrative Code:

[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. Except as provided in the conditions applicable to an emissions cap created under A.A.C. R18-2-306.02, 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: 7 days. The Director may require verification of efficiency of the new equipment by performance tests;
  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: 7 days;
  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;
  4. A change that would trigger an applicable requirement that already exists in the permit: 30 days unless otherwise required by the applicable requirement;
  5. A change that amounts to reconstruction of the source or an affected facility: 7 days. For the 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
  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;
2. A description of the change;
3. Any change in emissions of regulated air pollutants; and
4. Any permit term or condition that is no longer applicable as a result of the change.

- E.** A source may implement any change in Condition XVI.C without the required notice by applying for a minor permit revision under A.A.C. R18-2-319.

[A.A.C. R18-2-317.02.E]

- F.** 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]

- G.** 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 same source 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]

- H.** If a source change is described under both Conditions XVI.B and C, the source shall comply with Condition XVI.C. If a source change is described under both Condition XVI.C and A.A.C. R18-2-317.01.B, the source shall comply with A.A.C. R18-2-317.01.B.

[A.A.C. R18-2-317.02.H]

- I.** 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]

- J.** 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 provision of A.A.C. R18-2-317.02.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.B of this Attachment and any facility changes without a permit revision pursuant to Section XVII 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 6-minute Method 9 observations required by this permit are conducted as a 6-minute Alternative Method-082 (Digital Camera Operating Technique) and all instantaneous visual surveys required by this permit are conducted as an instantaneous Alt-082 camera survey. Any 6-minute Method 9 observation required by this permit can be conducted as a 6-minute Alternative Method-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.

**B. Operating Requirements**

All equipment identified in Attachment "C" shall be operated and maintained in accordance with vendor-supplied operations and maintenance instructions. If vendor-supplied operations and maintenance instructions are not available or not applicable, the Permittee shall prepare an Operation and Maintenance Plan, which provides adequate information to properly operate and maintain the equipment. In the absence of vendor-

supplied operations and maintenance instructions, the Permittee shall operate the equipment in accordance with the Operation and Maintenance Plan.

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

**C. Monitoring, Recordkeeping, and Reporting Requirements**

1. The Permittee shall maintain on-site, records of the manufacturer's specifications or an Operation and Maintenance Plan for minimizing emissions for all process equipment listed in Attachment "C".

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

2. 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." All instances of deviations from the requirements of the Permit shall be clearly identified in the reports.

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

3. 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
- b. Condition II.E.1
- c. Condition II.E.2

**II. BOILERS**

**A. Applicability**

This Section is applicable to all the boilers listed in Equipment List, Attachment "C".

[40 CFR 60.40c(a)]

**B. Fuel/Operational Limitations**

1. Fuel Requirement

*The Permittee shall not use any fuel other than pipeline quality natural gas. The Permittee shall burn liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year for each boiler.*

[A.A.C. R18-2-306.A.2, -306.01.A, -331.A.3.a, and 40 CFR 63.11237]

[Material permit conditions are indicated by underline and italics]

2. Monitoring, Recordkeeping, and Reporting Requirements

The Permittee shall record and maintain records of the amount of each fuel combusted during each calendar month.

[40 CFR 60.48c(g)]

3. Permit Shield

Compliance with Condition II.B of this part shall be deemed compliance with 40 CFR 60.48c(g).

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

C. Particulate Matter (PM) and Opacity

1. Emission Limitation and Standards

a. When firing diesel fuel, the Permittee shall not cause, allow or permit the opacity of any plume or effluent from any boiler of 30 MMBtu per hour or greater, when operating, to exceed 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

[40 CFR 60.43c(c)]

b. The opacity limit in Condition II.C.1.a applies at all times except during periods of startup, shutdown, or malfunction.

[40 CFR. 60.43c(d)]

2. Monitoring, Recordkeeping, and Reporting Requirements

a. When firing diesel fuel, a certified EPA Reference Method 9 observer shall conduct the periodic opacity monitoring method specified in Condition I.A of Attachment "B" for emissions emanating from the stack of each boiler on a monthly basis.

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

b. The Permittee shall keep records including the following information for each performance test conducted using Method 9:

- (1) Dates and time intervals of all opacity observation periods;
- (2) Name, affiliation, and copy of current visible emission reading certification for each visible emission observer participating in the performance test; and
- (3) Copies of all visible emission observer opacity field data sheets.

[40 CFR 60.48c(c)(1)]

c. The Permittee shall submit excess emission reports for any excess emissions from the boiler(s), in accordance with Section XII of Attachment "A" and maintain records according to the requirements specified in Condition II.C.2.b above

[40 CFR 60.48c(c)]

d. The Permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the boilers.

[40 CFR 60.7(b)]

3. Permit Shield

Compliance with Condition II.C shall be deemed compliance with 40 CFR 60.7(b), 60.43c(c), (d), and 60.48c(c).

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

**D. Sulfur**

1. Emission Limitations and Standards

a. When firing diesel fuel, the Permittee shall burn only diesel fuel containing equal to or less than 0.5 weight percent sulfur, as determined on a 30-day rolling average basis.

[40 CFR 60.42c(d) and (g)]

b. The sulfur content limit in Condition II.D.1.a above applies at all times, including periods of startup, shutdown, and malfunction.

[40 CFR 60.42c(i)]

2. Monitoring, Recordkeeping, and Reporting Requirements

a. When firing diesel fuel, the initial performance test required under 40 CFR §60.8 shall consist of the fuel certification from the fuel supplier, containing the information described in Conditions II.D.2.b(1) through II.D.2.b(4) below.

[40 CFR 60.44c(h)]

b. Fuel supplier certification shall include the following information:

(1) Name of the oil supplier;

(2) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil;

(3) The sulfur content or maximum sulfur content of the oil;

(4) A certified statement signed by the Permittee that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

[40 CFR 60.48c(f)(1) and (e)(11)]

c. All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

[40 CFR 60.48c(i)]

d. The Permittee shall submit semi-annual reports to the Director by May 15<sup>th</sup> for the reporting period October 1<sup>st</sup> to March 31<sup>st</sup> and by November 15<sup>th</sup> for the reporting period April 1<sup>st</sup> to September 30<sup>th</sup>, if the boilers were operating in the reporting period.

[40 CFR 60.48c(d) and (j)]

3. Permit Shield

Compliance with Condition II.D shall be deemed compliance with 40 CFR 60.42 c(d), (g), (i) and (j), 60.44c(h), 60.48c(c)(1), (d), (e)(11), and (f)(1).

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

E. Nitrogen Oxides (NO<sub>x</sub>)

1. Emission Limitations/Standards

*The Permittee shall not cause, allow, or permit the emission of NO<sub>x</sub> to exceed 0.0611 lbs/MMBtu of natural gas fired in the boilers.*

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

[Material Permit Conditions are identified by italics and underlines]

2. Air Pollution Control Equipment

*At all times including periods of startup, shutdown, and malfunction, the Permittee shall, to the extent practicable maintain, and operate low-NO<sub>x</sub> burners on the boilers in a manner consistent with good air pollution control practice for minimizing NO<sub>x</sub> emissions.*

[A.A.C. R18-2-306.A.2, -306.01.A and -331.A.3.e]

[Material Permit Conditions are identified by italics and underlines]

3. Performance Testing Requirement

a. The Permittee shall conduct an annual performance test for NO<sub>x</sub> on the stack of one boiler to demonstrate compliance with the emission limit in Condition II.E.1 above.

[A.A.C. R18-2-306.A.3 & -312.A]

b. The boiler to be tested shall be chosen by the Director at the time that a performance test plan is submitted.

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

c. The Permittee shall use EPA Reference Method 7 or 7E to determine NO<sub>x</sub> emissions.

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

d. The annual performance test will not be required if the facility is in care and maintenance mode at the time that the test is normally performed.

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

**III. EMERGENCY INTERNAL COMBUSTION ENGINES (ICE)**

A. General Requirements

1. Applicability

This Section is applicable to the ICEs listed in Equipment List, Attachment "C".

2. Fuel Limitations

The Permittee shall only use diesel fuel in the ICEs.

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

**B. Internal Combustion Engines not subject to New Source Performance Standards (NSPS)**

1. Applicability

This Section applies to each engine identified in Attachment "C" as subject to A.A.C. R18-2-719.

2. Particulate Matter and Opacity

a. Emissions Limitations and Standards

- (1) The Permittee shall not cause, allow or permit the emission of particulate matter, caused by combustion of fuel, from any stationary rotating machinery 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. R18-2-719.C.1]

- (2) For the purposes of the calculations required in Condition III.B.2.a(1) above, 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 operating 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. R18-2-719.B]

- (3) The Permittee shall not cause, allow or permit to be emitted into the atmosphere from any stationary rotating machinery, smoke for any period greater than 10 consecutive seconds which exceeds 40 percent opacity. Visible emissions when starting cold equipment shall be exempt from this requirement for the first 10 minutes.

[A.A.C. R18-2-719.E]

b. Monitoring, Recordkeeping, and Reporting Requirements

- (1) 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]

- (2) A certified Method 9 observer shall conduct the periodic opacity monitoring method specified in Condition I.A of Attachment "B" on a monthly basis from all sources covered by Section III.B while they are in operation.

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

c. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-719.C.1, B, and E.

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

3. Sulfur Dioxide

a. Emission Limitations and Standards

- (1) While firing with diesel fuel, the Permittee shall not emit or cause to emit more than 1.0 pound of sulfur dioxide per million Btu heat input.

[A.A.C. R18-2-719.F]

- (2) The Permittee shall not burn high sulfur diesel fuel or diesel equivalent (sulfur content greater than 0.9 % by weight) in the generators.

[A.A.C. R18-2-719.H]

b. Monitoring, Recordkeeping, and Reporting Requirements

- (1) The Permittee shall keep daily records of the sulfur content of the fuel being fired in the ICEs. The Permittee shall keep records of fuel supplier certifications to demonstrate compliance with the sulfur content limit specified in Condition III.B.3.a(2) above. The certification shall contain the sulfur content of the fuel and the method used to determine the sulfur content of the fuel. These records shall be made available to ADEQ upon request.

[A.A.C. R18-2-306.A.3.c and -719.I]

- (2) The Permittee shall report to the Director any daily period during which the sulfur content of the fuel being fired in the machine exceeds 0.8 percent.

[A.A.C. R18-2-719.J]

c. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-719.F, H, I, and J.

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

C. Internal Combustion Engines Subject to National Emission Standards for Hazardous Air Pollutants (NESHAP)

1. Applicability

a. This Section applies to each engine identified in Attachment “C” as subject to 40 CFR 63 Subpart ZZZZ.

b. Emergency stationary ICE means any stationary internal combustion engine whose operation is limited to emergency situations and required testing and maintenance.

[40 CFR 63.6675]

2. General Requirements

a. The Permittee shall operate and maintain at all times the engine including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

[40 CFR 63.6605(b)]

b. The Permittee shall minimize the engine time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in shall apply.

[40 CFR 63.6625(h)]

c. The Permittee shall operate and maintain the engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR 63.6625(e)]

3. Operating Requirements

a. *The Permittee shall install a non-resettable hour meter if one is not already installed.*

[40 CFR 63.6625(f), A.A.C. R18-2-331.A.3.c]

[Material Permit Conditions are indicated by underline and italics]

b. The Permittee shall demonstrate continuous compliance with the following operation and maintenance requirements:

[40 CFR 63.6603(a), and 40 CFR 63, Subpart ZZZZ, Table 2d]

(1) The Permittee shall change the oil and filter every 500 hours operation or annually, whichever comes first. If the Permittee prefers to extend the oil change requirement, an oil analysis program described below shall be completed. The oil analysis

must be performed at the same frequency specified for changing the oil. The Permittee shall at a minimum analyze the following three parameters: Total Acid Number (for CI engines), viscosity, and water content. The condemning limits for these parameters are as follows:

- (a) For diesel-fired engine, Total Base Number is less than 30 percent of the Total Base Number of the oil when new;
- (b) Viscosity: changed more than 20 percent from the viscosity of oil when new; and
- (c) Water Content: greater than 0.5 percent by volume.

If all of the above limits are not exceeded, the Permittee is not required to change the oil. If any of the above limits are exceeded, the Permittee shall change the oil within 2 business days of receiving the results of the analysis or before commencing operation, whichever is later. Records shall be kept of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program shall be part of the maintenance plan for the operation of the engine.

[40 CFR 63.6625(i) and 40 CFR 63, Subpart ZZZZ, Table 2d]

- (2) The Permittee shall inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63, Subpart ZZZZ, Table 2d]

- (3) The Permittee shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63, Subpart ZZZZ, Table 2d]

- c. If the emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Conditions III.C.3.b(1) through III.C.3.b(3) above or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated.

[40 CFR 63, Subpart ZZZZ, Table 2d]

- d. The Permittee shall operate the emergency engines according to the requirements in Conditions III.C.3.d(1) through III.C.3.d(3) below. In

order for the engines to be considered emergency stationary ICE under 40 CFR 63 Subpart ZZZZ, any operation other than emergency operation, maintenance response, and operation in non-emergency situations for 50 hours per year, as described in these Conditions, is prohibited. If the emergency engine is not operated in accordance with the requirements in Conditions III.C.3.d(1) through III.C.3.d(3) below, the engine will not be considered an emergency engine and must meet all requirements for non-emergency engines.

[40 CFR 63.6640(f)]

(1) There is no time limit on the use of emergency engine in emergency situations.

[40 CFR 63.6640(f)(1)]

(2) The Permittee may operate the emergency engine for the purpose of maintenance checks and readiness testing for a maximum of 100 hours per calendar year provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. The Permittee may petition the Director for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year.

[40 CFR 63.6640(f)(2)]

(3) The Permittee may operate an emergency engine for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing.

[40 CFR 63.6640(f)(3)-(4)]

#### 4. Fuel Requirement

The Permittee shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

[40 CFR 63.6604(b)]

#### 5. Recordkeeping Requirements

a. The Permittee shall keep records of the occurrence and duration of each malfunction of process equipment or the air pollution control (if any) and monitoring equipment.

[40 CFR 63.6655(a)(2)]

b. The Permittee shall keep records of actions taken during periods of malfunction to minimize emissions, including corrective actions to restore malfunctioning process and air pollution control (if any) and monitoring equipment to its normal or usual manner of operation.

[40 CFR 63.6655(a)(5)]

- c. The Permittee shall keep the records to show continuous compliance with each emission or operating limitation.

[40 CFR 63.6655(d)]

- d. The Permittee shall keep records of the maintenance conducted on the engine in order to demonstrate that the engine and after-treatment control device (if any) were operated and maintained in accordance with the Permittee's maintenance plan.

[40 CFR 63.6655(e)]

- e. The Permittee shall keep records of the hours of operation of the CI ICE that is recorded through the non-resettable hour meter. Records shall include the date, start and stop times, hours spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation.

[40 CFR 63.6655(f)]

- f. The Permittee shall keep records of the parameters that are analyzed and the results of the oil analysis, if any, and the oil changes for the engine.

[40 CFR 63.6625(i)]

6. Reporting Requirements

- a. For emergency engine with a site rating of more than 100 brake HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Condition III.C.3.d(2) above or that operates for the purpose specified in Condition III.C.3.d(3) above, the Permittee must submit to the Administrator and Director annually, a report according to the following requirements:

[40 CFR 63.6650(h)]

(1) The report must contain the following information

- (a) Company name and address where the engine is located.

[40 CFR 63.6650(h)(1)(i)]

- (b) Date of the report and beginning and ending dates of the reporting period.

[40 CFR 63.6650(h)(1)(ii)]

- (c) Engine site rating and model year.

[40 CFR 63.6650(h)(1)(iii)]

- (d) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.

[40 CFR 63.6650(h)(1)(iv)]

- (e) Hours operated for the purpose specified in Condition III.C.3.d(2), including the date, start time, and end time

for engine operation for the purposes specified in Condition III.C.3.d(2).

[40 CFR 63.6650(h)(1)(v)]

- (f) Number of hours the engine is contractually obligated to be available for the purposes specified in Condition III.C.3.d(2).

[40 CFR 63.6650(h)(1)(vi)]

- (g) Hours spent for operation for the purposes specified in Condition III.C.3.d(3), including the date, start time, and end time for engine operation for the purposes specified in Condition III.C.3.d(3). The report shall also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

[40 CFR 63.6650(h)(1)(vii)]

- (h) If there were no deviations from the fuel requirements in §63.6604 that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period.

[40 CFR 63.6650(h)(1)(viii)]

- (i) If there were deviations from the fuel requirements in §63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

[40 CFR 63.6650(h)(1)(ix)]

- (2) The first annual report shall cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

[40 CFR 63.6650(h)(2)]

- (3) The annual report shall be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) ([www.edpa.gov/cdx](http://www.edpa.gov/cdx)). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report shall be submitted to the Administrator and Director at their respective addresses below.

- (a) EPA Region IX, Director, Air Division

75th Hawthorne Street

San Francisco, CA 94105

- (b) Director, Air Quality Division

1110 W. Washington Street

Phoenix, AZ 85007

[40 CFR 63.6650(h)(3)]

7. Permit Shield

Compliance with the conditions in this Part shall be deemed compliance with 40 CFR 63: 6603(a); 6604 (b); 6605 (b); 6625(e), (f), (h), and (i); 6640(f), (f)(1), (f)(2), (f)(3), and (f)(4); 6650(a), (b) and (h); 6655(a)(2), (a)(5), (d), (e), and (f); and 6675.

[A.A.C. R-18-2-325]

**D.** Emergency Internal Combustion Engines (ICE) to New Source Performance Standards (NSPS)

1. Applicability

This Section applies to each engine identified in Attachment “C” as subject to 40 CFR 60 Subpart III.

2. Operating Requirements

a. *The Permittee shall install a non-resettable hour meter prior to startup of the engines.*

[40 CFR 60.4209(a), A.A.C. R18-2-306.A.3, -331.A.3.c]  
[Material Permit Conditions are indicated by underline and italics]

b. The Permittee shall operate the emergency engines according to the requirements in Conditions III.D.2.b(1) through III.D.2.b(3) below. In order for the engine to be considered an emergency stationary RICE, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in III.D.2.b(1) through III.D.2.b(3) below, is prohibited. If the Permittee does not operate the engine according to the requirements in III.D.2.b(1) through III.D.2.b(3) below, the engines will not be considered an emergency engine under this Section and must meet all requirements for non-emergency engines.

[40 CFR 60.4211(f)]

(1) There is no time limit on the use of the emergency engines in emergency situations.

[40 CFR 60.4211(f)(1)]

(2) The Permittee may operate the engines for the purpose of maintenance checks and readiness testing for a maximum of 100 hours per calendar year, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, the regional transmission operator, or the insurance company associated with the engine. The Permittee may petition the Director for approval of additional hours to be used for

maintenance checks and readiness testing, but a petition is not required if the Permittee maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. Any operation for non-emergency situations as allowed by Condition III.D.2.b(3) below counts as part of the 100 hours per calendar year allowed by this condition.

[40 CFR 60.4211(f)(2)]

- (3) The Permittee may operate an emergency engine up to 50 hours per year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in Condition III.D.2.b(2).

[40 CFR 60.4211(f)(3)]

- c. The Permittee shall operate and maintain the CI ICE and the control device according to the manufacturer's written instructions, over the entire life of the engine.

[40 CFR 60.4211(a)(1) and 60.4206]

- d. The Permittee shall only change those engine settings that are permitted by the manufacturer.

[40 CFR 60.4211(a)(2)]

- e. The Permittee shall meet the applicable requirements of 40 CFR Part 89, 94 and 1068.

[40 CFR 60.4211(a)(3)]

### 3. Fuel Requirements

- a. The Permittee operating a stationary CI ICE shall use diesel fuel that meets the requirements of non-road diesel fuel listed in 40 CFR 80.510(b) and listed below:

(1) Sulfur content: 15 ppm maximum; and

(2) A minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

[40 CFR 60.4207(b)]

### 4. Emission Limitations and Standards

- a. The Permittee shall comply with the emission standards of 40 CFR 60.4205 by complying with the emission standards listed in Table 1 below:

[40 CFR 60.4202(a)(2), 60.4205(b), and 40 CFR 60, Subpart III, Table 1]

**Table 1 – Emission Standards for Emergency CI ICE's**

Engine Rated Power	Model Year	Tier Rating	PM	CO	NOx + NMHC
			g/kW-hr		
560 < kW ≤ 2,237 kW	2007 and later	Tier 2	0.20	3.5	6.4

- b. The Permittee shall limit exhaust opacity from the emergency engines (excluding single cylinder and constant speed engines) to not exceed:  
[40 CFR 60.4202(a)(2), 4205(b) and 89.113]
  - (1) 20 percent during the acceleration mode;
  - (2) 15 percent during the lugging mode; and
  - (3) 50 percent during peaks in either the acceleration or lugging mode.

5. Air Pollution Control Requirements

*If the engine is equipped with a diesel particulate filter, the Permittee shall install, operate and maintain the particulate filter in accordance with good air pollution control practices for minimizing emissions.*

[A.A.C. R18-2-306.A.2 -331.A.3.d, and e]  
[Material permit conditions are indicated by underline and italics]

6. Compliance Requirements

- a. The Permittee shall comply by purchasing an engine certified to the emission standards in Condition III.D.4 above, as applicable, for the same model year and maximum engine power. The engine shall be installed and configured according to the manufacturer's specifications, except as permitted in Condition III.D.6.b below.

[40 CFR 60.4211(c)]

- b. If the Permittee does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or changes the emission-related setting in a way that is not permitted by the manufacturer, the Permittee shall demonstrate compliance as follows:

The Permittee shall keep a maintenance plan and records of conducted maintenance and shall, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the Permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission standards within one (1) year of startup, or within one (1) year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written

instructions, or within one (1) year after emission-related settings are changed in a way that is not permitted by the manufacturer. Subsequent performance tests shall be conducted every 8,760 hours of engine operation or three (3) years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

[40 CFR 60.4211(g)]

7. Monitoring and Recordkeeping Requirements

- a. If the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the Permittee shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The Permittee shall record the time of operation of the engine and the reason the engine was in operation during that time.

[40 CFR 60.4214(b)]

- b. If any engine is equipped with a diesel particulate filter, the Permittee shall keep records of any corrective action taken after the backpressure monitor has notified the Permittee that the high backpressure limit of the engine is approached.

[40 CFR 60.4214(c)]

- c. The Permittee shall maintain a copy of engine certifications or other documentation demonstrating that each engine complies with the applicable standards in this Permit, and shall make the documentation available to ADEQ upon request.

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

8. National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements

The Permittee shall meet the NESHAP requirements under 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII under Conditions III.D.1 through III.D.7.

[40 CFR 63.6590(c)]

9. Permit Shield

Compliance with the terms of this Section shall be deemed compliance with 40 CFR 60: 60.4202(a)(2); 60.4205(b); 60.4206; 60.4207(b); 60.4209(a); 60.4211(a), (c), (f), and (g); 60.4214(b) and (c); 40 CFR 63.6590(c), 40 CFR 89.112 and 89.113.

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

**IV. SULFURIC ACID TANKS**

**A. Applicability**

This Section is applicable to the sulfuric acid tanks listed in the Equipment List, Attachment "C" of this permit.

**B. Particulate Matter (PM) and Opacity**

1. Emission Limitations/Standards

- a. The Permittee shall not cause or permit the discharge of particulate matter into the atmosphere from any of the equipment in any one hour in total quantities in excess of the amount calculated by the following equations:

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

Where:

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

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

[A.A.C. R18-2-730.A.1.a]

- b. The Permittee shall not cause, allow, or permit the opacity of any plume or effluent, from the sulfuric acid tanks to exceed 20 percent.

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

- c. If the presence of uncombined water is the only reason for an exceedance of the applicable opacity limit, the exceedance shall not constitute a violation of the applicable opacity limit.

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

2. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-702.B.3, C, and -730.A.1.a.

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

**C. Gaseous Emissions**

1. Emission Limitation/Standard

- a. Sulfur Dioxide

The Permittee shall not cause, allow, or permit the discharge of sulfur dioxide into the atmosphere in excess of 600 parts per million.

[A.A.C. R18-2-730.A.2]

- b. The Permittee shall not emit gaseous or odorous material from equipment, operations or premises under their control in such quantities or concentrations as to cause air pollution.

[A.A.C. R18-2-730.D]

- c. Materials shall be processed, stored, used and transported in such a manner and by such means that they will not evaporate, leak, escape or be otherwise discharged into the ambient air so as to cause or contribute to

air pollution. Where means are available to reduce effectively the contribution to air pollution from evaporation, leakage or discharge, the installation and use of such control methods, devices, or equipment shall be mandatory.

[A.A.C. R18-2-730.F]

- d. Where a stack, vent or other outlet is at such a level that fumes, gas mist, odor, smoke, vapor or any combination thereof constituting air pollution is discharged to adjoining property, the Director may require the installation of abatement equipment or the alteration of such stack, vent, or other outlet by the Permittee thereof to a degree that will adequately dilute, reduce or eliminate the discharge of air pollution to adjoining property.

[A.A.C. R18-2-730.G]

2. Permit Shield

Compliance with this Part shall be deemed compliance with A.A.C. R18-2-730.A.2, D, F, and G.

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

**V. FUGITIVE DUST REQUIREMENTS**

**A. Applicability**

Section V 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/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 the use of spray bars, wetting agents, dust suppressants, covering the load, and hoods to prevent excessive amounts of particulate matter from becoming airborne when crushing, screening, handling, transporting or conveying of materials or other operations likely to result in significant amounts of airborne dust.  
[A.A.C. R18-2-605.B]
- (5) 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. R18-2-606]
- (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 to prevent excessive amounts of particulate matter from becoming airborne;  
[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 to prevent excessive amounts of particulate matter from becoming airborne;  
[A.A.C. R18-2-607.B]
- (8) 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

Haul Roads and Storage Piles

Water, or an equivalent control, shall be used to control visible emissions from unpaved 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 V.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 month, the Permittee shall monitor visible emissions from fugitive sources in accordance with Condition I.A of Attachment "B".

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

C. Permit Shield

Compliance with Section V shall be deemed compliance with A.A.C. R18-2-604, -605, -606, -607, -608, -614, and -804.B.

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

**VI. OTHER PERIODIC ACTIVITIES**

A. Abrasive Blasting

1. Particulate Matter and Opacity

a. Emission Limitations/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 VI.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:

- (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 VI.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 VI.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.
- (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 VI.B.1.a(2), 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 VI.B.1.b(1).

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

c. Permit Shield

Compliance with Condition VI.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. Permit Shield

Compliance with Condition VI.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 VI.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
Boiler 1	30.77 MMBtu/hr	Crone	CLM-250	9815-183	1998	S7B1	NSPS Subpart Dc
Boiler 2	30.66 MMBtu/hr	Crone	CLM-250	9815-184	1998	S7B2	NSPS Subpart Dc
Boiler 3	34.11 MMBtu/hr	Crone	CW285	9715130	1997	S7B3	NSPS Subpart Dc
Generator 1	603 hp	Cummins	VT-1710-GS	57872	1980	S7G1	A.A.C. R18-2-719 and NESHAP Subpart ZZZZ
Generator 2	827 hp	Perkins	3000	SGC120229U1642F	2000	S7G2	A.A.C. R18-2-719 and NESHAP Subpart ZZZZ
Generator 3	1,207 hp	Gillette	SPM 8000-3-4-2	PG-20-300	2018	S7G3	NESHAP Subpart ZZZZ and NSPS Subpart IIII
Generator 4	1,207 hp	Gillette	SPM 8000-3-4-2	PG-20-301	2018	S7G4	NESHAP Subpart ZZZZ and NSPS Subpart IIII
Sulfuric Acid Tank 1	3,000 gallons	NA	NA	NA	NA	S7SAT1	A.A.C. R18-2-730
Sulfuric Acid Tank 2	3,000 gallons	NA	NA	NA	NA	S7SAT2	A.A.C. R18-2-730