CLASS II AIR QUALITY PERMIT

DRAFT PERMIT No. 94090

PERMITTEE:	**Gowan Milling, LLC**
FACILITY:	**Gowan Milling, LLC**
PLACE ID:	**2966**
DATE ISSUED:	**DATE PENDING**
EXPIRY DATE:	**DATE PENDING**

SUMMARY

This Class II air quality permit is issued to Gowan Milling, LLC, the Permittee, for the continued operation of the its agricultural pesticides formulation mixing plant located at 12300 East County 8th Street, Yuma, AZ 85635 (Place ID: 2966). This permit renews and supersedes Permit #66122.

The facility formulates, packages, and ships a variety of agricultural chemicals for customers nationally and worldwide. The formulation process consists of the blending of materials that are manufactured elsewhere into precise mixtures of finished products. The finished products are then packaged for field application by growers.

This facility consists of 16 different buildings for processing and storing pesticides. There are three pesticide formulation processes at this facility: solid, liquid and flowable. The facility uses a 3-stage capture system comprising of a secondary dust collector, dust pre-filter, and high efficiency particulate air (HEPA) filter with an efficiency of 99.97 percent for particles 0.3 microns in size or greater for its solid and flowable formulation processes. In addition, there is one emergency natural gas-fired internal combustion engine for emergency outages and a bulk gasoline storage tank.

This facility is subject to the requirements of 40 CFR 63 Subpart BBBBBBB, "National Emission Standards for Hazardous Air Pollutants for Area Sources: Chemical Preparations Industry" and is therefore required to obtain a permit or registration in accordance with Arizona Administrative Code (A.A.C.) R18-2-302.B. The facility's potential to emit (PTE), without controls or operating limitations, of air pollutants is less than major source thresholds; however, a Class II permit has been required by the Director in accordance with A.A.C. R18-2-302.01.D.

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

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

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

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

V. FEE PAYMENT

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

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

VI. EMISSIONS INVENTORY QUESTIONNAIRE

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

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

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

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

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

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

VII. COMPLIANCE CERTIFICATION

A. The Permittee shall submit a compliance certification to the Director annually which describes the compliance status of the source with respect to each permit condition. The certification shall be submitted no later than 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. R18-2-309.2c.ii]

3. Status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certifications shall identify each deviation (including any deviations reported pursuant to Condition XII.B of this Attachment) during the period covered by the certification and take it into account for consideration in the compliance certification

[A.A.C. R18-2-309.2.c.iii]

4. Other facts the Director may require in determining the compliance status of the source.

[A.A.C. R18-2-309.2.c.iv]

C. A progress report on all outstanding compliance schedules shall be submitted every six months beginning six months after permit issuance.

[A.A.C. R18-2-309.5.d]

VIII. CERTIFICATION OF TRUTH, ACCURACY AND COMPLETENESS

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

[A.A.C. R18-2-309.3]

IX. INSPECTION AND ENTRY

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

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

[A.A.C. R18-2-309.4.a]

B. Have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;

[A.A.C. R18-2-309.4.b]

C. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

[A.A.C. R18-2-309.4.c]

D. Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements; and

[A.A.C. R18-2-309.4.d]

E. Record any inspection by use of written, electronic, magnetic and photographic media.

[A.A.C. R18-2-309.4.e]

X. PERMIT REVISION PURSUANT TO FEDERAL HAZARDOUS AIR POLLUTANT STANDARD

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

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

XI. ACCIDENTAL RELEASE PROGRAM

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

[40 CFR Part 68]

XII. EXCESS EMISSIONS, PERMIT DEVIATIONS, AND EMERGENCY REPORTING

A. Excess Emissions Reporting

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

1. Excess emissions shall be reported as follows:

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

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

      (1) Notification by telephone or facsimile within 24 hours of the time when the Permittee first learned of the occurrence of excess emissions including all available information from Condition XII.A.1.b below.

      (2) Detailed written notification by submission of an excess emissions report within 72 hours of the notification pursuant to Condition XII.A.1.a(1) above.

b. The report shall contain the following information:

(1) Identity of each stack or other emission point where the excess emissions occurred;
[A.A.C. R18-2-310.01.B.1]

(2) Magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions;
[A.A.C. R18-2-310.01.B.2]

(3) Time and duration, or expected duration, of the excess emissions;
[A.A.C. R18-2-310.01.B.3]

(4) Identity of the equipment from which the excess emissions emanated;
[A.A.C. R18-2-310.01.B.4]

(5) Nature and cause of the emissions;
[A.A.C. R18-2-310.01.B.5]

(6) If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunctions;
[A.A.C. R18-2-310.01.B.6]

(7) Steps that were or are being taken to limit the excess emissions; and
[A.A.C. R18-2-310.01.B.7]

(8) If the excess emissions resulted from start-up or malfunction, the report shall contain a list of the steps taken to comply with the permit procedures governing source operation during periods of startup or malfunction.
[A.A.C. R18-2-310.01.B.8]

2. In the case of continuous or recurring excess emissions, the notification requirements shall be satisfied if the source provides the required notification after excess emissions are first detected and includes in such notification an estimate of the time the excess emissions will continue. Excess emissions occurring after the estimated time period, or changes in the nature of the emissions as originally reported, shall require additional notification pursuant to Condition XII.A.1 above.
[A.A.C. R18-2-310.01.C]

B. Permit Deviations Reporting

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

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

1. Notice that complies with Condition XII.A above is prompt for deviations that constitute excess emissions;

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

2. Notice that is submitted within two working days of discovery of the deviation is prompt for deviations of permit conditions identified by Condition I.D.1 of Attachment "B";

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

3. Except as provided in Conditions XII.B.1 and 2, prompt notification of all other types of deviations shall be annually, concurrent with the annual compliance certifications required in Section VII, and can be submitted via myDEQ, the Arizona Department of Environmental Quality's online portal.

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

C. Emergency Provision

1. An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, that require immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

[A.A.C. R18-2-306.E.1]

2. An emergency constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if Condition XII.C.3 below is met.

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

3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

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

a. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;

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

b. The permitted facility was being properly operated at the time of the emergency;

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

c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and

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

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

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

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

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

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

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

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

1. Applicability

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

a. Promulgated pursuant to Sections 111 or 112 of the Act;

[A.A.C. R18-2-310.A.1]
[State Enforceable Only]

b. Promulgated pursuant to Titles IV or VI of the Clean Air Act;

[A.A.C. R18-2-310.A.2]
[State Enforceable Only]

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]
[State Enforceable Only]

d. Contained in A.A.C. R18-2-715.F; or

[A.A.C. R18-2-310.A.4]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

i. All emissions monitoring systems were kept in operation if at all practicable; and

[A.A.C. R18-2-310.B.9]
[State Enforceable Only]

j. The Permittee's actions in response to the excess emissions were documented by contemporaneous records.

[A.A.C. R18-2-310.B.10]
[State Enforceable Only]

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]
[State Enforceable Only]

(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]
[State Enforceable Only]

(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]
[State Enforceable Only]

(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]
[State Enforceable Only]

(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]

[State Enforceable Only]

(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]
[State Enforceable Only]

(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]
[State Enforceable Only]

(7) All emissions monitoring systems were kept in operation if at all practicable; and

[A.A.C. R18-2-310.C.1.g]
[State Enforceable Only]

(8) Contemporaneous records documented the Permittee's actions in response to the excess emissions.

[A.A.C. R18-2-310.C.1.h]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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]
[State Enforceable Only]

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 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.J below:

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

1. Implementing an alternative operating scenario, including raw materials changes;

2. Changing process equipment, operating procedures, or making any other physical change if the permit requires the change to be logged;

3. Engaging in any new insignificant activity listed in A.A.C. R18-2-101.68 but not listed in the permit;

4. Replacing an item of air pollution control equipment listed in the permit with an identical (same model, different serial number) item. The Director may require verification of efficiency of the new equipment by performance tests; and

5. A change that results in a decrease in actual emissions if the source wants to claim credit for the decrease in determining whether the source has a net emissions increase for any purpose. The logged information shall include a description of the change that will produce the decrease in actual emissions. A decrease that has not been logged is creditable only if the decrease is quantifiable, enforceable, and otherwise qualifies as a creditable decrease.

C. The 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 above, 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 above without the required notice by applying for a minor permit revision under A.A.C. R18-2-319 and complying with subsection A.A.C. R18-2-319.D.2 and A.A.C. R18-2-319.G.

[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 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]

H. If a source change is described under both Conditions XVI.B and XVI.C above, the source shall comply with Condition XVI.C. If a source change is described under both Condition XVI.C above 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 provisions of Condition XVI.B that authorizes the change to be made with logging.

   d. The date the entry was made and the first and last name of the person making the entry.

2. Logs shall be kept for five (5) years from the date created. Logging shall be performed in indelible ink in a bound log book with sequentially number pages, or in any other form, including electronic format, approved by the Director.

XVII. TESTING REQUIREMENTS

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

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

B. Operational Conditions during Performance Testing

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

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

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

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

D. Test Plan

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

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

1. Test duration;

2. Test location(s);

3. Test method(s); and

4. Source operation and other parameters that may affect test results.

E. Stack Sampling Facilities

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

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

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

2. Safe sampling platform(s);

3. Safe access to sampling platform(s); and

4. Utilities for sampling and testing equipment.

F. Interpretation of Final Results

Each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable

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

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

G. Report of Final Test Results

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

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

H. Extension of Performance Test Deadline

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

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

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

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

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

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

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

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

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

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

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

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

XVIII. PROPERTY RIGHTS

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

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

XIX. SEVERABILITY CLAUSE

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

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

XX. PERMIT SHIELD

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

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

XXI. PROTECTION OF STRATOSPHERIC OZONE

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

[40 CFR Part 82]

XXII. APPLICABILITY OF NSPS/NESHAP GENERAL PROVISIONS

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

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

ATTACHMENT "B": SPECIFIC CONDITIONS

I. FACILITY-WIDE REQUIREMENTS

A. Opacity

1. Instantaneous Surveys and Six-Minute Observations

a. Instantaneous Surveys

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

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

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

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

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

(2) EPA Reference Method 9 Certified Observer.

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

b. Six-Minute Observations

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

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

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

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

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

(2) EPA Reference Method 9.

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

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. The Permittee shall produce the formulations containing active ingredients as per the list given in Attachment “C”. Any addition or changes to the list in Attachment “C” shall be handled through the appropriate permitting process.

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

C. The Permittee shall install, operate, and maintain all pieces of equipment covered by this permit in accordance with manufacturer specifications. The pieces of equipment covered by this permit are listed in Attachment "D".

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

D. Recordkeeping and Reporting Requirements

1. Deviations from the following Attachment "B" permit conditions shall be promptly reported in accordance with Condition XII.B.2 of Attachment "A":

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

a. Condition II.C.1.a

b. Condition II.C.1.b

c. Condition II.F.5.h

d. Condition III.C

e. Condition III.E.2.a

f. Condition V.C

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 "D".

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

3. The Permittee shall keep the records of all the emission-related maintenance activities carried out on the plant equipment. These records shall be made available to ADEQ inspectors upon request.

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

4. 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]

II. REQUIREMENTS FOR BUILDINGS # 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 16, 17, 23, 24, AND 25

A. Applicability

This Section applies to the equipment listed under Buildings #1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 16, 17, 23, 24, and 25 in the Equipment List, Attachment "D" that are marked as "A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB" under the "A.A.C. / NSPS / NESHAP" column.

B. Operational Limitations

1. Buildings # 1, 5, 6, 7, 8, 9, 10, 11, 12, 16, 23 and 24 shall produce or package solid pesticide formulations only.

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

2. Building #2 shall produce or package liquid formulations only. Solid pesticides or chemicals shall not be processed in Building #2.

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

3. Buildings #17 and #25 shall produce and package flowable wet solid pesticides only.

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

C. Air Pollution Control

1. Air Pollution Control Requirements

a. *The Permittee shall operate* and maintain *the dust collector, dust pre-filter, and the High Efficiency Particulate Air (HEPA) filters associated with the various buildings, except Building #2, in accordance with manufacturer's specifications.*

[A.A.C. R18-2-306.A.2 & -331.A.3.e]
[Material Permit Conditions are identified by italics and underlines]

b. *The Permittee shall operate* and maintain *the activated carbon absorption system in accordance with manufacturer's specifications for controlling odorous emissions from the pesticide processing equipment.*

[A.A.C. R18-2-306.A.2 & -331.A.3.e]
[Material Permit Conditions are identified by italics and underlines

2. Monitoring, Reporting, and Recordkeeping

Pressure differentials across the air pollution control devices (APCD) installed on the various stacks shall be recorded every week to show proper operation and maintenance of respective APCD. These records shall be made available to ADEQ upon request.

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

D. Opacity

1. Emission Limitation/Standards

The Permittee shall not cause, allow or permit the opacity of visible emissions exiting from the stacks of the buildings to exceed 20 percent.

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

2. Monitoring, Reporting, and Recordkeeping

The Permittee shall conduct a monthly survey of visible emissions emanating from the buildings using one of the methods specified in Condition I.A.1 of Attachment "B". The Permittee shall comply with the requirements in Condition I.A.2 of Attachment "B" after conducting the survey of visual emissions. The applicable opacity standard is 20 percent for this section.

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

3. Permit Shield

Compliance with the terms of this section shall be deemed compliance with A.A.C. R18-2-702.B.1.

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

E. Equipment Subject to Standards of Performance under A.A.C. R18-2-730

1. Applicability

This Section applies to the equipment listed under Buildings #1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 16, 17, 23, 24, and 25 in the Equipment List, Attachment "D" that are marked as "A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB" under the "A.A.C. / NSPS / NESHAP" column and that are not in target HAP service as defined in Condition II.F.1 of Attachment "B".

2. Particulate Matter

a. Emission Limitations

(1) The Permittee shall not cause, allow or permit the emission of particulates matter from the stacks of the buildings into the atmosphere in quantities greater than the amount calculated by the following equation:

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

$E = 4.10 * P^{0.67}$

Where:

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

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

(2) For purposes of this Section, the total process weight from all similar units employing a similar type process shall be used in determining the maximum allowable emission of particulate matter.

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

b. Permit Shield

Compliance with the terms of this section shall be deemed compliance with A.A.C. R18-2-730.A & B.

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

3. Operational Requirements

a. Emission Limitations

(1) The Permittee shall not emit gaseous or odorous materials from the equipment, operations, or premises under his control in such quantities or concentrations as to cause air pollution.

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

(2) Materials including solvents or other volatile compounds, paints, acids, alkalies, pesticides, fertilizers, and manure 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]

(3) 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 owner or operator thereof to a degree that will adequately dilute, reduce, or eliminate the discharge of air pollution to an adjoining property.

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

b. Permit Shield

Compliance with the terms of this section shall be deemed compliance with A.A.C. R18-730.D, F, and G.

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

F. National Emission Standards for Hazardous Air Pollutants (NESHAP) for Area Sources: Chemical Preparation Industry

1. Applicability

[40 CFR 63.11579 and 63.11588]

a. This Section is applicable to the equipment in chemical preparation operation (mixing, blending, milling, or extruding equipment) that is in target HAP service (i.e. equipment either contains, contacts, or is processing HAP-containing materials).

b. A target HAP-containing material is any raw material, intermediate, or product that contains compounds of chromium (VI), lead, or nickel in amounts greater than or equal to 0.1 percent by weight (as the metal), or manganese or chromium (III) compounds in amounts greater than or equal to 1.0 percent by weight (as the metal).

2. Emission Limitations and Standards

The Permittee shall route all process vent streams from equipment in target HAP service to a particulate matter (PM) control device with a PM percent reduction efficiency of 98 percent or an outlet concentration of 0.03 gr/dscf or less using a vent collection system and PM control device, such as a wet scrubber or fabric filter, that are maintained and operated per manufacturer's recommendations.

[40 CFR 63.11581(a) and Table 1 of 40 CFR 63 Subpart BBBBBBB]

3. Compliance Requirements

a. The Permittee shall demonstrate compliance with the emission limitation in Condition II.F.2 using one of the following methods:

[40 CFR 63.11582(a)(1) and Table 2, Item 1 of 40 CFR 63 Subpart BBBBBBB]

(1) Perform a PM emission test using the methods listed in Table 3 of the NESHAP 40 CFR 63 Subpart BBBBBBB. The Permittee shall follow the requirements specified in 40 CFR 63.11582(b) and include the results in the Notification of Compliance Status Report (NOCSR) in accordance with Condition II.F.6.c;

(2) Provide performance guarantee information from the control device manufacturer that certifies that the device is capable of reducing PM concentrations by 98 percent or achieves an outlet concentration of 0.03 gr/dscf or less. The Permittee shall include the information in 40 CFR 63.11582(c) in the NOCSR in accordance with Condition II.F.6.c; or

(3) Provide engineering calculations, such as mass balance and flow rate calculations, that demonstrate that the control device is capable of reducing PM concentration from the chemical preparations operation process vent streams by 98 percent or achieving an outlet concentration of 0.03 gr/dscf or less. The calculations and supporting documentation must contain the items specified in 40 CFR 63.11582(d) and must be included in the Notification of Compliance Status Report (NOCSR) in accordance with Condition II.F.6.c.

4. Initial and Continuous Management Practice Requirements

a. The Permittee shall demonstrate initial compliance by conducting the inspection activities in Conditions II.F.4.a(1)(a) through (d) and demonstrate ongoing compliance by conducting the inspection activities in Condition II.F.4.a(2) below.

[40 CFR 63.11584(a)]

(1) Initial vent collection system and particulate control device inspections: The Permittee shall conduct an initial inspection of each vent collection system and particulate control device according to the requirements in Conditions II.F.4.a(1)(a) through (d). The Permittee shall record the results of each inspection according to Condition II.F.4.b and perform corrective action

where necessary. The Permittee shall conduct each inspection no later than 180 days after the applicable compliance date for each control device which has been operated within 180 days following the compliance date. For a control device which has not been installed or operated within 180 days following the compliance date, the Permittee shall conduct an initial inspection prior to startup of the control device.

[40 CFR 63.11584(a)(1)]

(a) For each wet particulate control system, the Permittee shall verify the presence of water flow to the control equipment. The Permittee shall also visually inspect the vent collection system ductwork and control equipment for leaks (as defined in 40 CFR 63.11588, "What definitions apply to this subpart?") and inspect the interior of the control equipment (if applicable) for structural integrity and the condition of the control system.

[40 CFR 63.11584(a)(1)(i)]

(b) For each dry particulate control system, the Permittee shall visually inspect the vent collection system ductwork and dry particulate control unit for leaks (as defined in 40 CFR 63.11588, "What definitions apply to this subpart?"). The Permittee shall also inspect the inside of each dry particulate control unit for structural integrity and condition.

[40 CFR 63.11584(a)(1)(ii)]

(c) An initial inspection of the internal components of a wet or dry particulate control system is not required if there is a record that an inspection has been performed within the past 12 months and any maintenance actions have been resolved.

[40 CFR 63.11584(a)(1)(iii)]

(d) An initial inspection of ductwork that is unsafe or difficult to inspect is not required.

[40 CFR 63.11584(a)(1)(iv)]

(2) Ongoing vent collection system and particulate control device inspections: Following the initial inspections, the Permittee shall perform periodic inspections of each vent collection system and PM control device according to Conditions II.F.4.a(1)(a) and (b). The Permittee shall record the results of each inspection in line with Condition II.F.4.b and perform corrective action where necessary.

[40 CFR 63.11584(a)(2)]

(a) The Permittee shall inspect and maintain each wet control system according to the requirements in Conditions II.F.4.a(2)(a)(i) through (iv) below.
[40 CFR 63.11584(a)(2)(i)]

(i) The Permittee shall conduct a daily inspection to verify the presence of water flow to the wet particulate control system.
[40 CFR 63.11584(a)(2)(i)(A)]

(ii) The Permittee shall conduct monthly visual inspections of the vent collection system ductwork and wet particulate control equipment for leaks (as defined in 40 CFR 63.11588, "What definitions apply to this subpart?").
[40 CFR 63.11584(a)(2)(i)(B)]

(iii) The Permittee shall conduct inspections of the interior of the wet control system (if applicable) to determine the structural integrity and condition of the control equipment every 12 months.
[40 CFR 63.11584(a)(2)(i)(C)]

(iv) The Permittee shall be required to inspect ductwork that is unsafe or difficult to inspect only during periods when it is safe or physically possible to do so.
[40 CFR 63.11584(a)(2)(i)(D)]

(b) The Permittee shall inspect and maintain each dry particulate control unit according to the requirements in Conditions II.F.4.a(2)(b)(i) through (iii) below.
[40 CFR 63.11584(a)(2)(ii)]

(i) The Permittee shall conduct monthly visual inspections of the vent collection system ductwork for leaks (as defined in 40 CFR 63.11588, "What definitions apply to this subpart?").
[40 CFR 63.11584(a)(2)(ii)(A)]

(ii) The Permittee shall conduct inspections of the interior of the dry particulate control unit for structural integrity and to determine the condition of the fabric filter (if applicable) every 12 months.
[40 CFR 63.11584(a)(2)(ii)(B)]

(iii) The Permittee shall be required to inspect ductwork that is unsafe or difficult to inspect only during periods when it is safe or physically possible to do so.

[40 CFR 63.11584(a)(2)(ii)(C)]

b. The Permittee shall record the information specified in Conditions II.F.4.b(1) through (6) for each inspection activity.

[40 CFR 63.11584(b)]

(1) The date, place, and time;

(2) Person conducting the activity;

(3) Method of inspection;

(4) Operating conditions during the activity;

(5) Results; and

(6) Description of any correction actions taken.

c. At all times, the Permittee, shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.11584(c)]

5. Monitoring Requirements

To demonstrate continuous compliance with the emissions standard in Condition II.F.2, the Permittee shall use one of the monitoring methods described in Conditions II.F.5.a through c below while equipment within a chemical preparation operation are in target HAP service:

[40 CFR 63.11583]

a. Operate a bag leak detection system with alarm that will alert operators of a leak in the control device filter material. If a bag leak detection system with alarm is used to demonstrate compliance, then the following steps must be performed:

[40 CFR 63.11583(a)]

(1) The Permittee shall install, calibrate, operate, and maintain each bag leak detection system and alarm according to manufacturer's specifications, and as specified in Condition II.F.5.a(2)below.

[40 CFR 63.11583(a)(1)]

(2) The bag leak detection system and alarm must be maintained and operated in a manner consistent with good air pollution control practices at all times.

[40 CFR 63.11583(a)(2)]

b. Operate a control device parameter (such as pressure drop or water flow, as appropriate) monitor and alarm system that will alert operators that the control device is operating outside the upper or lower threshold or range established by the control device manufacturer that indicate proper operation of the control device to meet the emissions reduction or PM concentration requirements.

[40 CFR 63.11583(b)]

(1) The Permittee shall install, calibrate, operate, and maintain each control device parameter monitor and alarm system according to manufacturer's specifications, and as specified in Condition II.F.5.b(2) below.

[40 CFR 63.11583(b)(1)]

(2) The control device parameter monitor and alarm system must be maintained and operated in a manner consistent with good air pollution control practices at all times.

[40 CFR 63.11583(b)(2)]

c. Operate a continuous parameter monitoring system (CPMS) to monitor control device operation. If a CPMS is used to demonstrate compliance, then the following steps must be performed:

[40 CFR 63.11583(c)]

(1) Establish and maintain site-specific control device parameter values that indicate proper operation of the control device to meet the emissions reduction or PM concentration requirements.

[40 CFR 63.11583(c)(1)]

(2) The Permittee shall operate the CPMS system during all periods when the process equipment is in target HAP service and use all the data collected during these periods in assessing the operation of the process vent collection system and control device.

[40 CFR 63.11583(c)(2)]

d. The Permittee shall install, calibrate, operate, and maintain each control device CPMS according to manufacturer's specifications, and as specified in Conditions II.F.5.d(1) through (5) below.

[40 CFR 63.11583(d)]

(1) The CPMS must be maintained and operated in a manner consistent with good air pollution control practices at all times.

[40 CFR 63.11583(d)(1)]

(2) The CPMS must complete a minimum of one cycle of operation for each successive 15-minute period.

[40 CFR 63.11583(d)(2)]

(3) To determine the 24-hour rolling average for the monitored parameter(s), the Permittee shall:

[40 CFR 63.11583(d)(3)]

(a) Have data from at least three of four equally spaced data values for that hour from a CPMS, except as stated in Condition II.F.5.c(2).

(b) Determine each successive 24-hour rolling average from all recorded readings for each 24-hour period, except as stated in Condition II.F.5.c(2).

(4) For averaging periods of monitoring data from production in target HAP service less than 24 hours, the Permittee shall:

[40 CFR 63.11583(d)(4)]

(a) Have valid data from at least three of four equally spaced data values for each hour from a CPMS that is not out-of-control according to manufacturer's recommendations.

(b) Determine the average from all recorded readings for the production period, except as stated in Condition II.F.5.c(2).

(5) The Permittee shall record the results of each calibration and validation check of the CPMS.

[40 CFR 63.11583(d)(5)]

e. For each pressure measurement device, the Permittee shall meet the requirements of Conditions II.F.5.b or c, as applicable, and the following:

[40 CFR 63.11583(e)]

(1) Locate the pressure sensor(s) in, or as close as possible to, a position that provides a representative measurement of the pressure.

[40 CFR 63.11583(e)(1)]

(2) Use a gauge with a minimum measurement sensitivity of 0.12 kiloPascals or a transducer with a minimum measurement sensitivity of 5 percent of the pressure range.

[40 CFR 63.11583(e)(2)]

(3) Check pressure tap for plugging daily. Perform an accuracy check at least quarterly or following an operating parameter deviation:

[40 CFR 63.11583(e)(3)]

(a) According to the manufacturer's procedures; or

(b) By comparing the sensor output to redundant sensor output.

(4) Conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.

[40 CFR 63.11583(e)(4)]

(5) At least monthly or following an operating parameter deviation, perform a leak check of all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage, if redundant sensors are not used.

[40 CFR 63.11583(e)(5)]

(6) The Permittee shall record the results of the plugging, accuracy and calibration checks specified in Conditions II.F.5.e(3) through (5) above in accordance with Condition II.F.8.

[40 CFR 63.11583(e)(6)]

f. For each monitoring system required in this section, the Permittee shall develop and make available for inspection by the delegated authority, upon request, a site-specific monitoring plan that addresses the following:

[40 CFR 63.11583(f)]

(1) Selection and justification of the monitored parameter that indicates proper operation of the control device to meet the emissions limitation, if the parameter measured is something other than pressure drop.

[40 CFR 63.11583(f)(1)]

(2) Installation of the bag leak detector, parameter monitoring device, or CPMS at a measurement location relative to each affected process unit such that the measurement is representative of control of PM emissions (*e.g.,* on the last control device);

[40 CFR 63.11583(f)(2)]

(3) Performance and equipment specifications for the parametric signal analyzer, alarm, and the data collection and reduction system, as appropriate; and

[40 CFR 63.11583(f)(3)]

(4) Performance evaluation procedures and acceptance criteria according to the manufacturer (*e.g.,* calibrations).

[40 CFR 63.11583(f)(4)]

(5) Ongoing operation and maintenance procedures in accordance with the manufacturer's recommendations or the general requirements of 40 CFR 63.8(c)(1) and (c)(3);

[40 CFR 63.11583(f)(5)]

(6) Ongoing data quality assurance procedures in accordance with the manufacturer's recommendations; and

[40 CFR 63.11583(f)(6)]

(7) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR 63.10(c), (e)(1), and (e)(2)(i) and the requirements of 40 CFR 63.11585.

[40 CFR 63.11583(f)(7)]

g. The Permittee shall conduct a performance evaluation of each bag leak detection system, control device parameter monitor and alarm system, or CPMS in accordance with the site-specific monitoring plan.

[40 CFR 63.11583(g)]

h. The Permittee shall operate and maintain each bag leak detection system, control device parameter monitor and alarm system, or CPMS in continuous operation, and collect parametric data at all times that emissions are routed to the monitored control device, if applicable.

[40 CFR 63.11583(h)]

6. Notification Requirements

The Permittee shall submit the following notifications:

a. Initial Notification of Applicability: The Permittee shall submit an initial notification of applicability required by 40 CFR 63.9(b)(2) no later than 120 days after initial start-up of operation, or no later than 120 days after the source becomes subject to Section II.F of Attachment "B", whichever is later. The initial notification of applicability shall include the information specified in 40 CFR63.9(b)(2)(i) through (iii).

[40 CFR 63.11585(b)(1)]

b. Notification of Intent to conduct a Performance Test: If the Permittee elects to conduct a performance test, the Permittee shall submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin, as required in 40 CFR 63.7(b)(1).

[40 CFR 63.11585(b)(2)]

c. Notification of Compliance Status Report (NOCSR): The Permittee shall submit a NOCSR according to 40 CFR 63.9(h)(2)(ii). The Permittee shall submit the NOCSR, including the performance test results, if applicable, before the close of business on the 60th calendar day following the applicable compliance date specified in 40 CFR 63.11580 or completion of the performance test, whichever is sooner. The NOCSR shall include the information in 40 CFR 63.9(h)(2)(i)(A) through (G) necessary to demonstrate compliance with the emission standard as of the applicable compliance date.

[40 CFR 63.11585(b)(3)]

7. Reporting Requirements

a. The Permittee shall submit applicable compliance reports as specified in Table 5 of 40 CFR 63 Subpart BBBBBBB.
[40 CFR 63.11585(c)(1) and Table 5 of 40 CFR 63 Subpart BBBBBBB]

b. If there were no deviations during the reporting period, the Permittee shall submit an annual report containing:
[40 CFR 63.11585(c)(1) and Table 5 of 40 CFR 63 Subpart BBBBBBB]

(1) A statement that there were no deviations from the requirement to route all process vent streams from equipment in target HAP service to a PM control device that achieves a PM percent reduction efficiency of 98 percent or an outlet concentration of 0.03 gr/dscf or less during the reporting period.

(2) If there were no periods during which the process vent collection system and control device was not operating normally (i.e., according to manufacturer's recommendations or at the conditions used during the most recent performance test), a statement that the vent collection system and control device were operated normally at all times during the reporting period.

c. If the Permittee has a deviation from the requirement to route all process vent streams from equipment in target HAP service to a PM control device that achieves a PM percent reduction efficiency of 98 percent or to an outlet concentration of 0.03 gr/dscf or less, or periods where the vent collection system or control device were not operated normally, then the Permittee shall submit a semi-annual report for that reporting period. The report must contain the information specified in Conditions II.F.7.e and f.
[40 CFR 63.11585(c)(1) and Table 5 of 40 CFR 63 Subpart BBBBBBB]

d. Unless the Director has approved a different schedule for submission of reports under 40 CFR 63.10(a), the Permittee submit each compliance report specified in this Section according to the following dates:
[40 CFR 63.11585(c)(2)]

(1) If deviations occur, then:
[40 CFR 63.11585(c)(2)(i)]

(a) The first compliance report shall cover the period beginning on the compliance date that is specified for the affected source in 40 CFR 63.11580 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for the affected source in 40 CFR 63.11580 (*i.e.*, December 31 for a source that is existing with a compliance date of December 30, 2010).

(b) The first compliance report shall be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the

compliance date that is specified for the affected source in 40 CFR 63.11580 (i.e., January 31 for a source that is existing with a compliance date of December 30, 2010).

(c) Each subsequent compliance report for a period in which deviations occur shall cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(d) Each subsequent compliance report for a period in which deviations occur shall be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(2) If no deviations occur, then:

[40 CFR 63.11585(c)(2)(ii)]

(a) The first compliance report shall cover the period beginning on the compliance date that is specified for the affected source in 40 CFR 63.11580 and ending on December 31 following the end of the first calendar year after the compliance date that is specified for the source in 40 CFR 63.11580.

(b) The first compliance report shall be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for the affected source in 40 CFR 63.11580.

(c) Each subsequent compliance report for a period in which deviations occur shall cover the annual reporting period from January 1 through December 31.

(d) Each subsequent compliance report for a period in which no deviations occur shall be postmarked or delivered no later than January 31 immediately following the previous calendar year.

e. The compliance report must contain the following information:

[40 CFR 63.11585(c)(3)]

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

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

(4) If there are no deviations from the emission reduction or 0.03 gr/dscf PM concentration requirements as specified in Condition II.F.3.a, a statement that there were no deviations from the emission reduction or 0.03 gr/dscf PM concentration requirements during the reporting period.

(5) If there were no periods during which the CPMS (if a CPMS is used to demonstrate compliance) was out-of-control as defined by the manufacturer's recommendations, a statement that there were no periods during which the CPMS was out-of-control during the reporting period.

(6) A description of any changes in monitoring systems or CPMS, processes (including changes that establish the basis for certification that the PM concentration from process vents will not exceed 0.03 gr/dscf or the addition of new processes), or controls since the last reporting period or for the first compliance report, since the notification of compliance status report.

f. For each deviation, as applicable and as defined in 40 CFR 63.11588, the Permittee shall include the applicable information in Conditions II.F.7.e(1) through (3) above and Conditions II.F.7.f(1) through (9) below. [40 CFR 63.11585(c)(4)]

(1) The date and time that each deviation started and stopped.

(2) The date and time that each bag leak detector, parameter monitor, or CPMS was inoperative, except for zero (low-level) and high-level checks.

(3) If a CPMS is used, the date, time and duration that each CPMS was out-of-control.

(4) A summary of the total duration of the deviation during the reporting period and the total duration as a percent of the total source operating time during that reporting period.

(5) A list of reasons for the deviations during the reporting period.

(6) If a CPMS is used, a summary of the total duration of CPMS downtime during the reporting period and the total duration of CPMS downtime as a percent of the total source operating time during that reporting period.

(7) A brief description of the process units.

(8) A brief description of the bag leak detector, parameter monitor, or CPMS.

(9) If a CPMS is used, the date of the latest CPMS certification or audit.

g. If acceptable to both the Administrator and the Permittee, the Permittee shall submit reports and notifications electronically.

[40 CFR 63.11585(c)(5)]

8. Recordkeeping Requirements

a. The Permittee shall maintain the following records:

[40 CFR 63.11585(d)]

(1) A copy of each notification and report that was submitted to comply with this Section, including all documentation supporting any Initial Notification of Applicability or NOCSR that was submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

[40 CFR 63.11585(d)(1)(i)]

(2) Records identifying periods when the chemical preparations operation is in target HAP service using:

[40 CFR 63.11585(d)(1)(ii)]

(a) Production records showing the dates and times the chemical preparations operation is processing target HAP-containing materials; and

(b) Safety data sheets (SDS) of target HAP-containing materials being processed.

(3) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

[40 CFR 63.11585(d)(1)(iii)]

(4) Records of CPMS (if a CPMS is used to demonstrate compliance) calibration checks and adjustments and maintenance performed on CPMS as required by 40 CFR 63.10(b)(2)(x) and (xi).

[40 CFR 63.11585(d)(1)(iv)]

(5) Records of CPMS as required by 40 CFR 63.10(c) and 40 CFR 63.11583(d)(5).

[40 CFR 63.11585(d)(1)(v)]

(6) Records of all inspections as required by 40 CFR 63.11584(b) and pressure measurement device checks (if applicable) as required by 40 CFR 63.11583(e)(6).

[40 CFR 63.11585(d)(1)(vi)]

(7) Records of the site-specific monitoring plan developed according to 40 CFR 63.11583(f).

[40 CFR 63.11585(d)(1)(vii)]

(8) Records of particulate control device manufacturing specifications and recommendations.

[40 CFR 63.11585(d)(1)(viii)]

b. The Permittee shall maintain the records specified in Condition II.F.8.a in accordance with the following:

[40 CFR 63.11585(d)(2)]

(1) Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1).

[40 CFR 63.11585(d)(2)(i)]

(2) As specified in 40 CFR 63.10(b)(1), the Permittee shall keep each record for 5 years following the date of each recorded action.

[40 CFR 63.11585(d)(2)(ii)]

(3) The Permittee shall keep each record onsite for at least 2 years after the date of each recorded action according to 40 CFR 63.10(b)(1). The Permittee may keep the records offsite for the remaining 3 years.

[40 CFR 63.11585(d)(2)(iii)]

9. Permit Shield

Compliance with the conditions of this Part shall be deemed compliance with 40 CFR 63.11581(a), 63.11582(a)(1), 63.11584(a), (b), & (c), 63.11585(a), (b), (c), (d), (e), (f), (g), & (h), 63.11585(b), (c), & (d), and Tables 1, 2, and 5 of 40 CFR 63 Subpart BBBBBBB.

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

III. REQUIREMENTS FOR INTERNAL COMBUSTION ENGINES

A. Applicability

This Section applies to the reciprocating internal combustion engine (RICE) listed in Equipment List, Attachment "D".

B. Fuel Limitations

The Permittee shall only burn natural gas in the reciprocating internal combustion engine.

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

C. Air Pollution Control Requirements

The Permittee shall operate and maintain *the catalytic converter on the Natural Gas Emergency Engine at all times in a manner consistent with good practice for minimizing emissions and in accordance with the manufacturer's instructions.*

[A.A.C. R18-2-306.A.2 and -331.A.3.e]
[Material Permit Conditions are identified by italics and underlines]

D. ICE Subject to State Regulations

1. Applicability

This Section applies to the ICE marked as "A.A.C. R18-2-719" under the "A.A.C. / NSPS / NESHAP" column in the Equipment List, Attachment "D".

2. Particulate Matter

a. Emission Limitations and Standards

(1) The Permittee shall not cause, allow or permit the emission of particulate matter, caused by combustion of fuel from the ICE in excess of the amounts calculated by the following equation:

[A.A.C. R18-2-719.C.1]

$E = 1.02Q^{0.769}$

Where:

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

Q = the heat input in million BTU per hour.

(2) For the purpose of this Section, 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]

b. Monitoring, Reporting, and Recordkeeping Requirements

The Permittee shall maintain a record of the daily lower heating value of the fuel fired in the ICE. This may be accomplished by maintaining on record a copy of that part of the contract with the vendor that specifies the lower heating value of the fuel.

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

c. Permit Shield

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-719.B, C.1 and I.

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

3. Opacity

a. Emission Limitations and Standards

The Permittee shall not cause, allow or permit to be emitted into the atmosphere from the ICE, smoke for any period greater than ten

consecutive seconds, which exceeds 40 percent opacity. Visible emissions when starting cold equipment shall be exempt from this requirement for the first ten minutes.

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

b. Monitoring, Reporting, and Recordkeeping Requirements

The Permittee shall conduct a monthly survey of visible emissions emanating from the stack of the ICE, when in operation, using one of the methods specified in Condition I.A.1 of Attachment "B". The Permittee shall comply with the requirements in Condition I.A.2 of Attachment "B" after conducting the survey of visual emissions. The applicable opacity standard is 40 percent for this section.

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

c. Permit Shield

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-719.E.

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

4. Sulfur Dioxide

a. Monitoring, Reporting, and Recordkeeping Requirements

(1) The Permittee shall maintain a record of the daily sulfur content of the fuel fired in the ICE. This may be accomplished by maintaining on record a copy of that part of the contract with the vendor that specifies the sulfur content of the fuel.

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

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

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

b. Permit Shield

Compliance with the conditions of this Part shall be deemed compliance with A.A.C. R18-2-719.I and J.

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

E. Existing RICE Subject to National Emission Standards for Hazardous Air Pollutants (NESHAP)

1. Applicability

This Section applies to the RICE marked as "NESHAP Subpart ZZZZ" under the "A.A.C./NSPS/NESHAP" column in the Equipment List, Attachment "D"

[40 CFR 63.6590(a)(1)(iii)]

2. Operating Limitations

a. The Permittee shall install a non-resettable hour meter on the RICE.
[40 CFR 63.6625(f)]

b. The Permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time needed for appropriate and safe loading of the engine, not to exceed 30 minutes.
[40 CFR 63.6625(h)]

c. The Permittee, for the emergency stationary spark-ignition (SI) RICE, shall comply with the following requirements:
[40 CFR 63.6603(a)and Table 2d, Item 5 of 40 CFR 63 Subpart ZZZZ]

(1) Change oil and filter every 500 hours of operation or annually, whichever comes first. The Permittee has the option to utilize an oil analysis program as described in Condition III.E.2.e in order to extend the specified oil change requirement.

(2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.

(3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

d. The Permittee shall operate the emergency stationary RICE according to the requirements in Conditions III.E.2.d(1) through (3). In order for the engine to be considered an emergency stationary RICE under 40 CFR 63 Subpart ZZZZ, 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 Conditions III.E.2.d(1) through (3), is prohibited. If the Permittee does not operate the engine according to the requirements in Conditions III.E.2.d(1) through (3), the engine will not be considered an emergency engine under 40 CFR 63 Subpart ZZZZ 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 stationary RICE 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, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per calendar year. The Permittee may petition the Administrator 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 the engine beyond 100 hours per year.

[40 CFR 63.6640(f)(2)(i)]

(3) The Permittee may operate the emergency engine up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing provided above in Condition III.E.2.d(2). The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[40 CFR 63.6640(f)(4); A.A.C. R18-2-306.A.2]

e. Option of Utilizing Oil Analysis Program

[40 CFR 63.6625(j)]

(1) The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Condition III.E.2.c(1). The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters:

(a) Total Acid Number;

(b) Viscosity; and

(c) Percent water content.

(2) The condemning limits for these parameters are as follows:

(a) Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from the percent of the Total Acid Number of the oil when new;

(b) Viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or

(c) Percent water content (by volume) is greater than 0.5.

(3) If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of these condemning limits are exceeded, the Permittee is required to change the oil within two business days of receiving oil analysis test results. If the engine is not in operation when the results of the analysis are received, the Permittee must change the oil within 2 business days or before commencing operation, whichever is later.

(4) The analysis program must be part of the maintenance plan for the engine.

f. The Permittee shall operate and maintain the RICEs and after treatment control devices in accordance with the manufacturer's written instructions, or develop a maintenance plan which must 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), 63.6640(a), and Table 6, Item 9 of 40 CFR 63 Subpart ZZZZ]

3. Recordkeeping and Reporting Requirements

a. The Permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the stationary RICE and after-treatment control device according to the maintenance plan.

[40 CFR 63.6655(e)]

b. The Permittee shall keep records of the hours of operation of the RICE 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); A.A.C. R18-2-306.A.4]

c. If the Permittee elects to perform the oil analysis program in Condition III.E.2.e, then the Permittee shall keep records of the parameters that are analyzed as part of the program, the results of the oil analysis, and the oil changes for the engine.

[40 CFR 63.6625(j)]

d. The Permittee shall keep a record of the occurrence and duration of each malfunction and operation of RICE or the air pollution control and monitoring equipment.

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

e. The Permittee shall keep a record of all maintenance performed on the air pollution control and monitoring equipment.

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

f. The Permittee shall keep a record of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

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

g. The Permittee shall keep records in a form suitable and readily available for expeditious review in accordance with 40 CFR 63.10(b)(1).

[40 CFR 63.6660(a)]

h. As specified in 40 CFR 63.10(b)(1), the Permittee shall keep records for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

[40 CFR 63.6660(b)]

i. The Permittee shall keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

[40 CFR 63.6660(c)]

4. Compliance Requirements

a. The Permittee shall, at all times, be in compliance with the operating limitations, and other requirements listed in Conditions III.D.2 and 3.

[40 CFR 63.6605(a)]

b. The Permittee shall, at all times, operate and maintain the ICEs, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Director, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(b)]

5. Permit Shield

Compliance with the conditions of this Part shall be deemed compliance with 40 CFR 63.6603(a), 63.6605, 63.6625(e)(3), (f), (h), & (j), 63.6640(a), (f), (f)(1), (f)(2)(i), & (f)(4), 63.6655(f), 63.6660, and Tables 2d and 6 of 40 CFR 63 Subpart ZZZZ.

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

IV. REQUIREMENTS FOR BOILERS, AIR HEATERS, AND WATER HEATERS

A. Applicability

This Section is applicable to the boilers, air heaters, and water heaters identified in Equipment List, Attachment "D".

B. Fuel Limitation

The Permittee shall only fire natural gas fuel in the boilers, air heaters, and water heaters.

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

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, from any fuel-burning operation in excess of the amounts calculated by the following equation:

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

$E = 1.02*Q^{0.769}$

Where

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

Q = the heat input in million Btu per hour

b. For purposes of Condition IV.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 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. R18-2-724.B]

c. Opacity

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

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

2. Monitoring, Reporting, and Recordkeeping

a. The Permittee shall keep records of fuel supplier certifications. The certification shall contain information regarding the name of fuel supplier and lower heating value of the fuel. These records shall be made available to ADEQ upon request.

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

b. The Permittee shall report all 6-minute periods during which the visible emissions exceed 15 percent opacity, as required under Section XII of Attachment "A".

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

3. Permit Shield

Compliance with the terms of this section shall be deemed compliance with A.A.C. R18-2-724.B, C.1, and J.

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

V. GASOLINE DISPENSING FACILITY

A. Applicability

1. This Section applies to each gasoline dispensing facility (GDF) located at the facility. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank.

[40 CFR 63.11111(a)]

2. This Section applies to gasoline storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing gasoline dispensing facilities located at an area source. Pressure/Vacuum vents on gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDF are covered emission sources. The equipment used for the refueling of motor vehicles is not covered by this Section.

[40 CFR 63.11112(a)]

B. Emission Standards

1. For the facilities with monthly throughput less than 10,000 gallons:

[40 CFR 63.11111(b)]

a. The Permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

[40 CFR 63.11116(a)]

(1) Minimize gasoline spills;

(2) Clean up spills as expeditiously as practicable;

(3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;

(4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

b. If the facility's throughput ever exceeds 10,000 gallons, the affected source shall comply with the requirements in Condition V.B.2 below. The facility shall remain subject to the requirements under Condition V.B.2, even if the throughput later falls below the 10,000 gallons throughput threshold.

[40 CFR 63.11111(i)]

2. For the facilities with monthly throughput between 10,000 gallons and 100,000 gallons:

[40 CFR 63.11111(c)]

a. The Permittee shall comply with the requirements in Condition V.B.1.a above.

[40 CFR 63.11117(a)]

b. The Permittee shall only load gasoline into storage tanks at the facility by utilizing submerged filling, as defined in 40 CFR 63.11132, as specified in Conditions V.B.2.b(1) through (3) below. The submerged fill distance shall be measured from the point of opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank.

[40 CFR 63.11117(b)]

(1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.

(2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.

(3) Submerged fill pipes not meeting the specifications in Conditions V.B.2.b(1) and (2) above shall be allowed if the Permittee can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation providing such demonstration shall be made available for inspection by the Director's delegated representative during the course of a site visit.

c. Gasoline storage tanks with a capacity of less than 250 gallons are not required to comply with the submerged fill requirements in Condition V.B.2.b above, but must comply only with all of the requirements in Condition V.B.1 above.

[40 CFR 63.11117(c)]

d. If the facility's throughput ever exceeds 100,000 gallons, the affected source shall be subject to additional requirements in 40 CFR 63 Subpart CCCCCC. The facility will remain subject to these requirements even if the throughput later falls below the 100,000 gallons throughput threshold.

[40 CFR 63.11111(i)]

C. Air Pollution Control Requirements

The Permittee shall, at all times, operate and maintain the GDF(s), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used shall be based on information available to the Director which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.11115(a)]

D. Recordkeeping Requirements

1. The Permittee shall maintain records of monthly throughput of gasoline (total volume of gasoline that is loaded into, or dispensed from the gasoline storage tank at the GDF during a month). Monthly throughput shall be calculated by summing the volume of gasoline loaded into, or dispensed from, all gasoline storage tanks at each GDF during the current day, plus the total volume of gasoline loaded into,

or dispensed from, all gasoline storage tanks at each GDF during the previous 364 days, and then dividing that sum by 12. Upon request by the Director, the Permittee shall demonstrate that the monthly throughput is less than 10,000 gallons (for facilities complying with requirements under Condition V.B.1) or 100,000 gallons (for facilities complying with requirements under Condition V.B.2). These records shall be maintained for a period of 5 years, and shall be available to the Director within 24 hours of the request.

[40 CFR 63.11111(e), 40 CFR 63.11116(b), 40 CFR 63.11117(d), 40 CFR 63.11132]

2. The Permittee shall keep the following records:

[40 CFR 63.11115(b) and 63.11125(d)]

a. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

b. Records of actions taken during periods of malfunction to minimize emissions in accordance with Condition V.C, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

E. Notification Requirements

Facilities with monthly throughput of 10,000 gallons or more shall comply with the notification requirements under 40 CFR 63.11124.

[40 CFR 63.11117(e) and 63.11124(a)]

F. Reporting Requirements

1. The Permittee shall submit a report as follows:

[40 CFR 63.11115(b), 63.11116(b), and 63.11126(b)]

a. The Permittee shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded.

b. The report shall also include a description of actions taken by the Permittee during a malfunction of an affected source to minimize emissions in accordance with Condition V.C, including actions taken to correct a malfunction.

c. No report is necessary for a calendar year in which no malfunctions occurred.

d. If the facility has a monthly throughput of less than 10,000 gallons, then the Permittee is not required to submit the report, but shall comply with the recordkeeping requirements in Condition V.D.

G. Permit Shield

Compliance with the conditions of this Section shall be deemed compliance with 40 CFR 63.11111(a), (b), (c), (e), & (i), 63.11112(a), 63.11115(a), 63.11116(a) & (b), 63.11117(a), (b), (c), (d), & (e), 63.11124(a), 63.11125(d), 40 CFR 63.11126(b), and 63.11132.

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

VI. FUGITIVE DUST REQUIREMENTS

A. Applicability

This Section 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 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 result in significant amounts of airborne dust;

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

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

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

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

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

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

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

2. Air Pollution Control Requirements

Unpaved Roads and Storage Piles

Water, or an equivalent control, shall be used to control visible emissions from 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 VI.B.1.b above were performed and the control measures that were adopted.

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

b. Opacity Monitoring Requirements

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

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

VII. 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.1]

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 this Section shall be deemed compliance with A.A.C. R18-2-702.B.1 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 VII.B.1.a(2), a photochemically reactive solvent shall be any solvent with an aggregate of more than 20 percent of its total volume composed of the chemical compounds classified in Condition VII.B.1.a(3), 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 VII.B.1.a(3), it shall be considered to be a member of the group having the least allowable percent of the total volume of solvents.
[A.A.C. R18-2-727.D]

b. Monitoring and Recordkeeping Requirements

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

(a) The date the project was conducted;

(b) The duration of the project;

(c) Type of control measures employed;

(d) Safety Data Sheets (SDS) for all paints and solvents used in the project; and

(e) The amount of paint consumed during the project.

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

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

c. Permit Shield

Compliance with this Section 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.1]

b. Permit Shield

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

[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 this Section shall be deemed compliance with A.A.C. R18-2-1101.A.12.

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

ATTACHMENT "C": ACTIVE INGREDIENTS

The following table lists the active ingredients handled at Gowan Milling:

Active Ingredients		
• 1-Hexanol	• Crystalline Silica	• Flonicamid
• 1-Napthaleneacetimide	• Cupric Oxide	• Fluazinam
• Acephate	• Cuprous Oxide	• Flubendiamide
• Acetamiprid	• Cyantraniliprole	• Fludioxonil
• Acibenzolar-s-methyl	• Cyazofamid	• Fluopyram
• Acid Amine	• Cyclodextrin	• Flupicolide
• Alpha-Cypermethrin	• Cyflufenamid	• Flutolanil
• Azadirachtin	• Cyfluthrin	• Formetanate hydrochloride
• Azinphos-methyl	• Cymoxanil	• GABA/Glutamic
• Azoxystrobin	• Cyproconazole	• Gentamicin
• Bacillus Thuringiensis	• Cyprodinil	• Hexaflumuron
• Benzophenone Tetracarboxylic Dianhydride	• Cyromazine	• Hexythiazox
	• Deltramethrin	• Imidacloprid
	• Diazinon	• Indar
• Beta-cyfluthrin	• Dichloro-nitroaniline	• Indoxacarb
• Bifenthrin	• Dicloran	• Iprodione
• Boric Acid	• Dicofol	• Iron (III) Oxide
• Boscalid	• Diflubenzuron	• Iron Proteinate (contains Ferrous Sulfate
• Broflanilide	• Dimethoate	
• Buprofezin	• Dimethomorph	• Isoxadifen-ethyl
• Calcium Carbonate	• Dinocap	• Karathane
• Calcium Nitrate	• Dinotefuran	• Kresoxim-methyl
• Calcium Oxide	• Dipterex	• Lambda-cyhalothrin
• Calcium Oxytetracycline	• Disodium Octaborate Tetrahydrate	• Lufenuron
• Calcium Sulfate		• Magnesium Carbonate
• Capsicum Oleoresin Extract	• Dodine	• Magnesium Oxide
• Captan	• Emamectin benzoate	• Malathion
• Carbaryl	• Endosulfan	• Malic Acid
• Chlorantraniliprole;	• Ethaboxam	• Mancozeb
• Chlorfenapyr	• Ethene, Homopolymer	• Manganese Chloride
• Chlorothalonil	• Ethoxylated Fatty Alcohol	• Manganese Sulfate
• Chlorpyriphos	• Etoxazole	• Mefanoxam
• Chlorpyriphos-methyl	• Etridiazole	• Merpan
• Clay	• Fenarimol	• Metalaxyl
• Clofentezine	• Fenbuconazole	• Metconazole
• Clothianidin	• Fenbutatin oxide	• Methidathion
• Copper (II) Hydroxide	• Fenhexamid	• Methiocarb
• Copper (I) Oxide	• Fenpyroximate	• Methomyl
• Copper Sulfate	• Ferrous Sulfate	• Methoxyfenozide
• Coumaphos	• Fentin Hydroxide	• Methyl Caprylate

Active Ingredients (Continued)

- Monoammonium Phosphate
- Myclobutanil
- N-Benzamide
- Naphthalene
- Oxabetrinil
- Oxine-Copper
- Oxydemeton-methyl
- Oxytetracycline Calcium
- Pentachloronitrobenzene (PCNB)
- Penthiopyrad
- Permethrin
- Phosmet
- Pirimiphos Methyl
- Piperonyl Butoxide
- Potassium Tetraborate
- Previcur Flex (contains Propamocarb Hydrochloride)
- Prohexadione Calcium
- Propagarite
- Propiconazole
- Propoxur
- Psuedomonas Chloroaphis
- Pymetrozine
- Pyraclostrobin
- Pyrethrins
- Pyridaben
- Pyridalyl
- Pyriproxyfen
- Quinoxyfen
- Rynaxypyr
- Sodium Aluminoflouride
- Solvent Naptha
- Spinetoram
- Spinosad D
- Streptomycin sulfate
- Sulfoxaflor
- Systhane
- Tebuconazole
- Tebufenozide
- Tefluthrin
- Thiamethoxam
- Thiobendazole
- Thiophanate
- Thiophanate-methyl
- Thiram
- Tolfenpyrad
- Triadimefon
- Trifloxystrobin
- Triflumizole
- Trinexapac-ethyl
- Triphenyltin hydroxide
- Triticonazole
- Urea Clatharate
- Vinclozolin
- Zinc Oxide
- Zinc Sulfate
- Zoxamide

ATTACHMENT "D": EQUIPMENT LIST

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Building #1 Munson & Outside Wettable Powder							
Dump Station	4 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Munson Mixer System	225 cu ft	Munson	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	3,600 cfm	Farr	6D	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	8,000 cfm	Farr	Glide Pak	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent HEPA	8,000 cfm	Farr	Magna Pak	N/A	1995	B1 Munson	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	3,000 cfm	IAP	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter Blender 1	100 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter Blender 2	100 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender	100 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender	100 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	3,600 cfm	Farr	6D	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent HEPA	4,000 cfm	Farr	Magna Pak	N/A	1996	B1 OWP	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
System Vent Fan	3,000 cfm	IAP	N/A	960121-1	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Portable Hopper	48 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #2 Liquid Building							
Mixtank 1	1,200 gal	Homemade	N/A	N/A	N/A	B2 –PT1	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Mixtank 2	1,200 gal	Homemade	N/A	N/A	2016	B2-PT4	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
High Shear	20 hp	Scott Turbon Mixer	HSP 60-20	13385-2	2016	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Holding Tank	1,200 gal	Homemade	N/A	N/A	N/A	B2 –PT2	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Holding Tank	1,200 gal	Homemade	N/A	N/A	N/A	B2 –PT3	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	4,500 cfm	N/A	N/A	N/A	1994	B2 –VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
GM-Propylene Glycol (Vertical Fixed Roof)	18,483 gal	Homemade	N/A	N/A	N/A	Tank T1	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
GM-Aromatic 100 (Vertical Fixed Roof)	17,653 gal	Homemade	N/A	N/A	N/A	Tank T2	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
GM-Aromatic 200-A (Vertical Fixed Roof)	17,653 gal	Homemade	N/A	N/A	N/A	Tank T3	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
GM-Aromatic 200-B (Vertical Fixed Roof)	17,653 gal	Homemade	N/A	N/A	N/A	Tank T4	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Diazinon Bulk Tank (Vertical Fixed Roof)	4,000 gal	Homemade	N/A	N/A	N/A	Tank T5	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Diazinon Bulk Tank (Vertical Fixed Roof)	4,000 gal	Homemade	N/A	N/A	N/A	Tank T6	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Malathion Bulk Tank (Vertical Fixed Roof)	6,000 gal	Homemade	N/A	N/A	N/A	Tank T7	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hot Bath Water Heater (Natural Gas-Fired)	765,200 Btu/hr	Parker	N/A	N/A	N/A	B2 WH1	A.A.C. R18-2-724
Building #5: Granulation Unit							
Crumbler	N/A	Homemade	N/A	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter	N/A	Homemade	N/A	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter a	1,000 cfm	Farr	2 C	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter b	6,000 cfm	Farr	Glide Pak	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1	200 cu ft	Homemade	N/A	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1a	400 cfm	MAC	39RTC7	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	240 cu ft	Homemade	N/A	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Blender 2a	400 cfm	MAC	39RTC7	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2c	50 cfm	MAC	39RTC1	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	3,500 lbs/hr	Pulva	C	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill	1,500 lbs/hr	Sturtevant	24"	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Dust Collector	1,260 cfm	MAC	39RTC21	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill HEPA	4,000 cfm	Farr	MagnaPak	N/A	2000	B5 AM	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Vent Fan	880 cfm	Twin City Fan	915/RBA-SW	00-155342-1-1	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3	240 cu ft	Homemade	N/A	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3a	400 cfm	MAC	39RTC7	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Basket Granulator	400 lbs/hr	LCI	BR 450	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Zone 1 Furnace (Natural Gas-Fired)	1.0 MMBtu/hr	Witte	1.0 MMBtu	N/A	1999	N/A	A.A.C. R18-2-724

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Zone 1 Fluid Bed Dryer Fan	3,400 cfm	Chicago Blower	SQA 18-1/4	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Zone 2 & 3 Fluid Bed Dryer Fan	12,000 cfm	American Fan Co.	QBCA-245	N/A	2013	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Filter	16,000 cfm	Farr	Glide Pack	N/A	2013	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Zone 1 Fluid Bed Dryer Pre Filter	4,000 cfm	Homemade	30/30	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Zone 2 & 3 Fluid Bed Dryer Pre Filter	12,000 cfm	Farr	Glide Pak	N/A	2013	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer HEPA	16,000 cfm	Farr	MagnaPak	N/A	2013	B5 DRYER	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector Fan	15,000 cfm	New York Blower	BC-15, Size 24	224603001	2013	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	15,000 cfm	Farr	GS24	N/A	2013	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Pre Filter	16,000 cfm	Farr	Glide Pak	N/A	2013	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging HEPA	8,000 cfm	Farr	Magna Pak	N/A	1999	B5 PACK	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Vent Fan	1,500 cfm	Twin City Fan	915/RBA-SW	99-145829-1	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Liquid Nitrogen Tank	11,000 gallons	Air Liquide	N/A	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Boiler (Natural Gas-Fired)	2.1 MMBtu/hr	Parker Boiler Co.	NA	62290	2015	Boiler 3	A.A.C. R18-2-724
Building #6: Air Mill Unit							
Crumbler	N/A	Homemade	N/A	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Sifter	4 cu ft	Homemade	N/A	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter a	1,200 cfm	Farr	2 C	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter b	2,000 cfm	Farr	Glide Pak	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1	200 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1a	50 cfm	MAC	39RTC1	N/A	2002	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1b	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	2002	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	200 cu ft	Homemade	N/A	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2a	400 cfm	MAC	39ARTC7	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2b	1,800 cfm	Solberg	CSL 375ZP-800F	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2c	50 cfm	MAC	19RTC1	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	3,500 lbs/hr	Pulva	C	N/A	1995	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3	240 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3a	1,260 cfm	MAC	39RTC1	N/A	2002	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3b	2,900 cfm	Solberg	CSL 685ZP-800F	N/A	2002	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill	1,500 lbs/hr	Homemade	24"	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Blender 4	240 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4a	400 cfm	MAC	39RTC7	N/A	2002	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	2002	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill HEPA	4,000 cfm	Farr	Magna Pak	N/A	1993	B6 AM	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Carbon	5,000 cfm	Homemade	N/A	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Fan	880 cfm	IAP	15/30 ORB,CL,HD	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	7,200 cfm	Farr	12D	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Carbon	7,000 cfm	Homemade	N/A	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Pre Filter	8,000 cfm	Farr	Glide Pak	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust HEPA	8,000 cfm	Farr	Magna Pak	N/A	1992	B6 ND	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Fan	6,000 cfm	IAP	17 ORB, CL,HD	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Sifter	1,200 cfm	Farr	2C	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Sifter	2,000 cfm	Farr	Glide Pak	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Collector	2,400 cfm	Farr	4D	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Packaging Carbon	5,000 cfm	Homemade	N/A	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging HEPA	4,000 cfm	Farr	Magna Pak	N/A	1993	B6 PACK	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Vent Fan	2,200 cfm	IAP	NA	N/A	1993	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #7: Packaging Unit							
Hopper	125 cu ft	Homemade	N/A	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	3,600 cfm	Farr	6D	N/A	2010	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Carbon	5,000 cfm	Homemade	N/A	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust HEPA	4,000 cfm	Farr	Magna Pak	N/A	1992	B7 ND	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Fan	1,500 cfm	Fan Engineering	M-12	X-1028	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hopper Vent	3,600 cfm	Farr	6D	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hopper Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hopper HEPA	4,000 cfm	Farr	Magna Pak	N/A	1992	B7 HOPPER	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hopper Vent Fan	3,000 cfm	IAP	N/A	N/A	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Portable Hopper	48 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #8: Air Mill Unit							
Crumbler	N/A	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter	4 cu ft	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter a	1,200 cfm	Farr	2 C	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter b	2,000 cfm	Farr	Glide Pak	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1	240 cu ft	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1a	300 cfm	MAC	39RTC7	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1b	300 cfm	Solberg	CSL 377ZP-800F	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	240 cu ft	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2a	400 cfm	MAC	39RTC7	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	3,500 lbs/hr	Pulva	C	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3	240 cu ft	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3a	400 cfm	MAC	39RTC7	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Blender 3b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill	1,500 lbs/hr	Sturtevant	24"	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Dust Collector	1,260 cfm	MAC	39RTC21	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Secondary	2,900 cfm	Solberg	CSL 685ZP-800F	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Carbon	5,000 cfm	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill HEPA	4,000 cfm	Farr	Magna Pak	N/A	1996	B8 AM	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Vent Fan	880 cfm	IAP	15/30 ORB,CL,HD	960132-2	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4	240 cu ft	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Granulator	400 lbs/hr	LCI	Twin Dome 110	N/A	2006	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Air Heater (Natural Gas-Fired)	850,000 Btu/hr	Industrial	850,000 Btu	N/A	2008	N/A	A.A.C. R18-2-724
Fluid Bed Dust Collector	6,000 cfm	Farr	12D	N/A	2006	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Pre Filter	8,000 cfm	Farr	Glide Pack	N/A	2008	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer HEPA	8,000 cfm	Farr	Magna Pack	N/A	2008	B8 DRYER	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Fluid Bed Dryer Vent Fan	6,000 cfm	New York Blower	Series 20-294	N/A	2006	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 5	240 cu ft	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 5a	400 cfm	MAC	39RTC7	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 5b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 5c	50 cfm	MAC	39RTC1	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 5d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Carbon	5,000 cfm	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent HEPA	4,000 cfm	Farr	Magna Pack	N/A	1996	B8 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	4,000 cfm	IAP	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Collector	4,800 cfm	Farr	8D	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Carbon	5,000 cfm	Homemade	N/A	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust HEPA	4,000 cfm	Farr	Magna Pak	N/A	1996	B8 PACK	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Fan	2,000 cfm	IAP	15ORB	960132-3	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Water Heater WH1 (Natural Gas-Fired)	970,000 Btu/hr	Parker	WH970	N/A	2018	B8 WH1	A.A.C. R18-2-724
Water Heater WH2 (Natural Gas-Fired)	970,000 Btu/hr	Parker	WH970	N/A	2018	B8 WH2	A.A.C. R18-2-724
Building #9: Air Mill/Granulation Unit							
Crumbler	N/A	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter	4 cu ft	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter a	1,200 cfm	Farr	2 C	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter b	2,000 cfm	Farr	Glide Pak	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1	240 cu ft	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1a	400 cfm	MAC	39RTC7	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1c	50 cfm	MAC	39RTC1	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	3,500 lbs/hr	Pulva	C	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	240 cu ft	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Blender 2a	400 cfm	MAC	39RTC7	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2c	50 cfm	MAC	39RTC1	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill	880 cfm	Sturtevant	24"	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3	240 cu ft	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3a	1,260 cfm	MAC	39RTC21	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3b	2,900 cfm	Solberg	CSL 377ZP-800F	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Carbon	5,000 cfm	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill HEPA	4,000 cfm	Farr	Magna Pak	N/A	1997	B9 AM	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Vent Fan	880 cfm	IAP	15/30 ORB, CL,HD	970572-1C	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3c	50 cfm	MAC	39RTC1	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Basket Granulator	400 lbs/hr	Homemade	450	N/A	2006	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Fluid Bed Dryer Air Heater (Natural Gas-Fired)	850,000 Btu/hr	Industrial Combustion	850,000 Btu	N/A	2006	N/A	A.A.C. R18-2-724
Fluid Bed Dust Collector	6,000 cfm	Farr	GS 12L	N/A	2010	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Pre Filter	8,000 cfm	Farr	Glide Pak	N/A	2006	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer HEPA	8,000 cfm	Farr	Magna Pak	N/A	2006	B9 DRYER	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Vent Fan	6,000 cfm	New York Blower	Series 20-294	N/A	2006	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4	240 cu ft	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4a	400 cfm	MAC	39RTC7	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4b	1,800 cfm	Solberg	CSL 685 ZP-800F	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4c	50 cfm	MAC	39RTC1	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4d	1,100 cfm	Solberg	CSL 275 ZP-600F	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent HEPA	4,000 cfm	Farr	Magna Pak	N/A	1997	B9 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Carbon	5,000 cfm	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	3,600 cfm	IAP	15 ORB	970572-1A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Collector	3,600 cfm	Farr	6D	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Packaging Dust Carbon	5,000 cfm	Homemade	N/A	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust HEPA	4,000 cfm	Farr	Magna Pak	N/A	1997	B9 PACK	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Fan	3,500 cfm	IAP	15ORB	970572-1B	1997	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Natural Gas Emergency Engine	860 hp	Caterpillar	3512	N/A	1998	B9 3512	A.A.C. R18-2-719; NESHAP Subpart ZZZZ
Building #10: Pilot Plant							
Blender 1	85 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1a	50 cfm	Mac	39RTC1-STYZ	51837-004-1	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	85 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2a	400 cfm	Mac	39AVRC7	113287-001-1	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2b	50 cfm	Mac	39RTC1	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	500 lb/hr	Fitzpatrick	DAS06	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill	250 lb/hr	Sturtevant	12''	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Basket Granulator	90 lb/hr	Fuji Paudal	BR-200	21416	1992	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Dust Collector	6,800 cfm	Farr	10D	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
System Vent Pre-Filter	8,000 cfm	Farr	Glide Pak	A12890-1	2013	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent HEPA	8,000 cfm	Farr	Magna Pak	A12890-1	2013	B10 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	6,800 cfm	New York Blower	264LS	Y06946-100	2004	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Boiler (Natural Gas-Fired)	1.075 MMBtu/hr	Parker	N/A	50491	1999	BOILER 2	A.A.C. R18-2-724
Portable Pan Granulator	100 lb/hr	FEECO	36'' Disc	P87188	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Portable Mixer	30 cu ft	Marion	BPC-3648	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #11: Bulk Bag Unloader							
Bulk Bag Unloader	1 Bag	Flexicon	N/A	N/A	2005	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	100 cfm	MAC	39RTC1	N/A	2004	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	2,000 cfm	Farr	GS4	N/A	2012	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	2,000 cfm	Farr	Glide Pak	N/A	2004	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent HEPA	2,000 cfm	Farr	Magna Pak	N/A	2004	B11 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	1,000 cfm	New York Blower	Series 20-224	N/A	2012	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #12: Air Mill/Granulation Unit							
Crumbler	N/A	Homemade	N/A	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Sifter	4 cu ft	Homemade	N/A	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter a	1,200 cfm	Farr	2 C	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter b	2,000 cfm	Farr	Glide Pak	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1	240 cu ft	Homemade	N/A	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1a	400 cfm	MAC	39RTC7	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1c	50 cfm	MAC	39RTC1	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	3,500 lbs/hr	Pulva	C	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	240 cu ft	Homemade	N/A	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2a	400 cfm	MAC	39RTC7	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2c	50 cfm	MAC	39RTC1	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill	1,500 lbs/hr	Sturtevant	24"	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Carbon	5,000 cfm	Homemade	N/A	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Air Mill Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill HEPA	4,000 cfm	Farr	Magna Pak	N/A	1999	B12 AM	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Fan	880 cfm	Twin City Fan	915/RBO-SW	99-141209-4-1	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3	240 cu ft	Homemade	N/A	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3a	1,260 cfm	MAC	39RTC21	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3b	2,900 cfm	Solberg	CSL 377ZP-800F	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3c	50 cfm	MAC	39RTC1	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3d	1,100 cfm	Solberg	CSL 275ZP-600F	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Basket Granulator	800 lbs/hr	LCI	BR 600	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Air Heater (Natural Gas-Fired)	1.5 MMBtu/hr	Witte	1.5 MMBtu	N/A	1999	N/A	A.A.C. R18-2-724
Fluid Bed Dust Collector	16,000 cfm	Farr	24D	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Pre Filter	16,000 cfm	Farr	Glide Pak	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer HEPA	16,000 cfm	Farr	Magna Pak	N/A	1999	B12 DRYER	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Vent Fan	15,600 cfm	Twin City Fan	915/RBA-SW	99-141209-1-1	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4	240 cu ft	Homemade	N/A	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Blender 4a	400 cfm	MAC	39RTC7	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4b	1,800 cfm	Solberg	CSL 685ZP-800F	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4c	50 cfm	MAC	39RTC1	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4d	1,100 cfm	Solberg	CSL 275 ZP-600F	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent HEPA	4,000 cfm	Farr	Magna Pak	N/A	1999	B12 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	1,500 cfm	Twin City Fan	915/RBA-SW	99-141209-3-1	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Collector	3,600 cfm	Farr	6D	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Carbon	5,000 cfm	Homemade	N/A	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Pre Filter	8,000 cfm	Farr	Glide Pak	N/A	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust HEPA	8,000 cfm	Farr	Magna Pak	N/A	1999	B12 PACK	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Fan	3,500 cfm	Twin City Fan	915/RBA-SW	99-141209-2-1	1999	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #16: Wettable Powder & Granulation							
Crumbler	N/A	Homemade	N/A	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter	4 cu ft	Homemade	N/A	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Sifter a	1,200 cfm	Farr	2 C	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter b	2,000 cu ft	Farr	Glide Pak	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1	240 cu ft	Homemade	N/A	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1a	400 cfm	MAC	39RTC7	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1c	50 cfm	MAC	39RTC1	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1d	1,100 cfm	Solberg	CSL 377NP-800F	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	3,500 lbs/hr	Pulva	C	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	240 cu ft	Homemade	N/A	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2a	400 cfm	MAC	39RTC7	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2c	50 cfm	MAC	39RTC1	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2d	1,100 cfm	Solberg	CSL 377NP-800F	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill	1,500 lbs/hour	Sturtevant	24"	N/A	2008	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Carbon	5,000 cfm	Homemade	N/A	N/A	2008	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Pre Filter	2,000 cfm	Farr	Glide Pak	N/A	2008	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Air Mill HEPA	2,000 cfm	Farr	Magna Pak	N/A	2008	B16 AM	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Vent Fan	1200 cfm	New York Blower	2308	08-1866	2008	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3	240 cu ft	Homemade	N/A	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3a	400 cfm	MAC	39RTC7	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3c	50 cfm	MAC	39RTC1	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3d	1,100 cfm	Solberg	CSL 377NP-800F	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Granulator	400 lbs/hour	LCI	Twin Dome 110	N/A	2011	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Air Heater (Natural Gas-Fired)	850,000 Btu/hr	Industrial Combustion	850,000 Btu	N/A	2011	N/A	A.A.C. R18-2-724
Fluid Bed Dust Collector	6,000 cfm	Farr	12D	N/A	2011	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Pre Filter	8,000 cfm	Farr	Glide Pak	N/A	2011	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer HEPA	8,000 cfm	Farr	Magna Pak	N/A	2011	B16 DRYER	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Vent Fan	6,000 cfm	New York Blower	Series 20-294	N/A	2011	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Carbon	5,000 cfm	Homemade	N/A	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Vent HEPA	4,000 cfm	Farr	Magna Pak	N/A	2000	B16 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	3,000 cfm	Twin City Fan	915/RBA-SW	00-156247-2-1	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Collector	3,600 cfm	Farr	6D	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Carbon	5,000 cfm	Homemade	N/A	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging HEPA	4,000 cfm	Farr	Magna Pak	N/A	2000	B16 PACK	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Fan	3,500 cfm	Twin City Fan	200 HIB-SW	00156247-1-1	2000	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #17: Flowable Unit							
Sifter Dump Station	4 cu ft	Homemade	N/A	N/A	2003	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Wet Mill	N/A	Dyno-Mill	KD 120A	N/A	2003	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	1,500 cfm	Farr	2C	N/A	2003	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	2003	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent HEPA	4,000 cfm	Farr	Magna Pak	N/A	2003	B17 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	1,500 cfm	Twin City Fan	N/A	02-168884-1-1	2003	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Portable Hopper 1	48 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Portable Hopper 2	48 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #23: Wettable Powder & Granulation							
Crumbler	N/A	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter	4 cu ft	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter a	1,550 cfm	Farr	GS-2	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Sifter b	2,000 cfm	Farr	Glide Pak	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1	240 cu ft	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1a	400 cfm	MAC	39RTC7	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1c	50 cfm	MAC	39RTC1	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1d	1,100 cfm	Solberg	CSL 377ZP-800F	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	3,500 lbs/hr	Pulva	C	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	240 cu ft	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2a	400 cfm	MAC	39RTC7	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Blender 2c	50 cfm	MAC	39RTC1	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2d	1,100 cfm	Solberg	CSL 377ZP-800F	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill	1,500 lbs/hr	Strurtevant	24"	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Carbon	5,000 cfm	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Pre Filter	2,000 cfm	Farr	Glide Pak	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill HEPA	2,000 cfm	Farr	Magna Pak	N/A	2015	B23 AM	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Air Mill Vent Fan	1,200 cfm	New York Blower	2308	08-1866	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3	240 cu ft	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3a	400 cfm	MAC	39RTC7	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3c	50 cfm	MAC	39RTC1	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 3d	1,100 cfm	Solberg	CSL 377ZP-800F	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4	240 cu ft	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4a	400 cfm	MAC	39RTC7	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4b	1,800 cfm	Solberg	CSL 377ZP-800F	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 4c	50 cfm	MAC	39RTC1	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Blender 4d	1,100 cfm	Solberg	CSL 377ZP-800F	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Granulator	400 lbs/hr	LCI	Twin Dome 110	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Air Heater	850,000 Btu/hr	Industrial Combustion	850,000 Btu	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dust Collector	6,000 cfm	Farr	12D	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Pre Filter	8,000 cfm	Farr	Glide Pak	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer HEPA	8,000 cfm	Farr	Magna Pak	N/A	2015	B23 DRYER	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Fluid Bed Dryer Vent Fan	6,000 cfm	New York Blower	Series 20-294	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Carbon	5,000 cfm	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent HEPA	4,000 cfm	Farr	Magna Pak	N/A	2015	B23 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	3,000 cfm	Twin City Fan	915/RBA-SW	00-156247-2-1	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Dust Collector	3,600 cfm	Farr	GD	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Carbon	5,000 cfm	Homemade	N/A	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Pre Filter	4,000 cfm	Farr	Glide Park	N/A	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging HEPA	4,000 cfm	Farr	Magna Pak	N/A	2015	B23 PACK	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Fan	3,500 cmf	Twin City Fan	200 HIB-SW	00-156247-1-1	2015	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Building #24: Product Formulation							
Sifter	4 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 1	240 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Hammer Mill	3,500 lbs/hr	Pulva	"C"	N/A	2014	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Blender 2	240 cu ft	Homemade	N/A	N/A	N/A	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Nuisance Dust Collector	3,600 cfm	Farr	10D	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	8,000 cfm	Farr	Glide Pak	N/A	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent HEPA	8,000 cfm	Farr	Magna Pak	N/A	1996	B24 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	5,000 cfm	IAP	15 ORB	960121-1	1996	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Building #25: Flowable Unit							
Mix Tank 1	1,200 gal	Homemade	N/A	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Mix Tank 1 Mixer	N/A	Scott Turbon Mixer	TMG 15	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Mix Tank 1 High Shear Mixer	N/A	Scott Turbon Mixer	TMS07-100	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Mix Tank 2	1,200 gal	Homemade	N/A	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Mix Tank 2 Mixer	N/A	Scott Turbon Mixer	TMG 15	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Mix Tank 2 High Shear Mixer	N/A	Scott Turbon Mixer	TMS07-100	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Mill Feed Pump	35 gpm	Moyno	2L6 SSQ AAA	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Colloid Mill	N/A	IKA Works	MK 2000	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Bead Mill	200 liters	Netzsch	LME200	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Shaker Screen	N/A	Midwestern	MR30S6-6	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Tank 1	1,200 gal	Homemade	N/A	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Tank 1 Mixer	N/A	Scott Turbon Mixer	TMG 15	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Tank 2	1,200 gal	Homemade	N/A	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Tank 2 Mixer	N/A	Scott Turbon Mixer	TMG 15	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Tank 3	1,200 gal	Homemade	N/A	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Tank 3 Mixer	N/A	Scott Turbon Mixer	TMG 15	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Packaging Pump	35 gpm	Gould	3196 Sti	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB

EQUIPMENT TYPE	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	INSTALLATION/ MFG. DATE	EQUIPMENT ID NUMBER	A.A.C. / NSPS / NESHAP
Nuisance Dust Collector	5,400 cfm	Farr	GS6	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Scrubber (Not operating)	6,000 cfm	Homemade	N/A	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	4,000 cfm	Farr	Glide Pak	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent HEPA	4,000 cfm	Farr	Magna Pak	N/A	2018	B25 VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	5,400 cfm	New York Blower	N/A	N/A	2018	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
LAB							
Supply Air Filter	8,000 cfm	Farr	Glide Pak	N/A	2004	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Supply Fan	6,000 cfm	Central Fan	N/A	N/A	2004	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent Pre Filter	8,000 cfm	Farr	Glide Pak	N/A	2004	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Vent HEPA	8,000 cfm	Farr	Magna Pak	N/A	2004	LAB VENT	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
System Vent Fan	6,000 cfm	Central Fan	N/A	N/A	2004	N/A	A.A.C. R18-2-702 and -730; NESHAP Subpart BBBBBBB
Portable Boiler							
Boiler (Natural Gas-Fired)	1.075 MMBtu/hr	Parker Boiler Co.	103-25	55841	2004	Boiler 1	A.A.C. R18-2-724
Fuel Storage Tanks							
Gasoline Storage Tank	300 gallons	N/A	N/A	N/A	N/A	GST	NESHAP Subpart CCCCCC