DRAFT PERMIT #74605

PLACE ID # 2318

PERMITTEE: **Nestlé Purina PetCare Company**
FACILITY: *Nestlé Purina PetCare*
PERMIT TYPE: **Class II Air Quality Permit**
DATE ISSUED:
EXPIRY DATE:

SUMMARY

This synthetic minor Class II air quality permit is issued to Nestlé Purina PetCare Company, the Permittee, for the continued operation of its pet food manufacturing facility. The facility is located at 4700 E Nestle Purina Ave in Flagstaff, Arizona 86004. This permit renews and supersedes Permit #58866.

The uncontrolled emissions from this facility are greater than the major source levels identified in A.A.C. R18-2-401.13 for PM_{10}. However, the controlled emissions for PM_{10} and the uncontrolled emissions for NO_x from this facility are less than the major source levels identified in A.A.C. R18-2-401.13 and greater than the significance levels identified in A.A.C. R18-2-101.131 for PM_{10}. Therefore, a synthetic minor class II permit is required for this facility in accordance with A.A.C. R18-2-302.B.2.a.

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

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ATTACHMENT "A": GENERAL PROVISIONS

I. PERMIT EXPIRATION AND RENEWAL

A. This permit is valid for a period of five (5) years from the date of issuance.
[ARS § 49-426.F, A.A.C. R18-2-306.A.1]

B. The Permittee shall submit an application for renewal of this permit at least six (6) months, but not more than eighteen (18) months, prior to the date of permit expiration.
[A.A.C. R18-2-304.D.2]

II. COMPLIANCE WITH PERMIT CONDITIONS

A. The Permittee shall comply with all conditions of this permit including all applicable requirements of the Arizona Revised Statutes (A.R.S.) Title 49, Chapter 3, and the air quality rules under Title 18, Chapter 2 of the Arizona Administrative Code. Any permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. In addition, noncompliance with any federally enforceable requirement constitutes a violation of the Clean Air Act.
[A.A.C. R18-2-306.A.8.a]

B. It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
[A.A.C. R18-2-306.A.8.b]

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

A. The permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
[A.A.C. R18-2-306.A.8.c]

B. The permit shall be reopened and revised under any of the following circumstances:

1. The Director or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; and
[A.A.C. R18-2-321.A.1.c]

2. The Director or the Administrator determines that the permit needs to be revised or revoked to assure compliance with the applicable requirements.
[A.A.C. R18-2-321.A.1.d]

C. Proceedings to reopen and issue a permit, including appeal of any final action relating to a permit reopening, shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening

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

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

IV. POSTING OF PERMIT

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

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.

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

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

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

V. FEE PAYMENT

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

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

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

VI. ANNUAL EMISSION INVENTORY QUESTIONNAIRE

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

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

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

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

VII. COMPLIANCE CERTIFICATION

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

5. Other facts the Director may require in determining the compliance status of the source.
[A.A.C. R18-2-309.2.c.iv]

C. A progress report on all outstanding compliance schedules shall be submitted every six months beginning six months after permit issuance.
[A.A.C. R18-2-309.5.d]

VIII. CERTIFICATION OF TRUTH, ACCURACY AND COMPLETENESS

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

IX. INSPECTION AND ENTRY

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

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

B. Have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;
[A.A.C. R18-2-309.4.b]

C. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
[A.A.C. R18-2-309.4.c]

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

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

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

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

X. PERMIT REVISION PURSUANT TO FEDERAL HAZARDOUS AIR POLLUTANT STANDARD

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

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

XI. ACCIDENTAL RELEASE PROGRAM

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

[40 CFR Part 68]

XII. EXCESS EMISSIONS, PERMIT DEVIATIONS, AND EMERGENCY REPORTING

A. Excess Emissions Reporting

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

1. Excess emissions shall be reported as follows:

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

      (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.

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

   b. The report shall contain the following information:

      (1) Identity of each stack or other emission point where the excess emissions occurred;

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

      (2) Magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and

calculations used in determining the magnitude of the excess emissions;

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

(3) Time and duration, or expected duration, of the excess emissions;

[A.A.C. R18-2-310.01.B.3]

(4) Identity of the equipment from which the excess emissions emanated;

[A.A.C. R18-2-310.01.B.4]

(5) Nature and cause of the emissions;

[A.A.C. R18-2-310.01.B.5]

(6) If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunctions;

[A.A.C. R18-2-310.01.B.6]

(7) Steps that were or are being taken to limit the excess emissions; and

[A.A.C. R18-2-310.01.B.7]

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

[A.A.C. R18-2-310.01.B.8]

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

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

B. Permit Deviations Reporting

The Permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the applicable requirement contains a definition of prompt or otherwise specifies a timeframe for reporting deviations, that definition or timeframe shall govern. Where the applicable requirement does not address the timeframe for reporting deviations, the Permittee shall submit reports of deviations according to the following schedule:

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

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

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

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

3. Except as provided in Conditions XII.B.1 and 2, prompt notification of all other types of deviations shall be annually, concurrent with the annual compliance certifications required in Section VII, and can be submitted the "Annual/Semiannual Deviation Monitoring Report" form available on the Arizona Department of Environmental Quality Website.

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

C. Emergency Provision

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1. Applicability

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

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

[A.A.C. R18-2-310.A.1]

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

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

c. Contained in any Prevention of Significant Deterioration (PSD) or New Source Review (NSR) permit issued by the U.S. EPA;

[A.A.C. R18-2-310.A.3]

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

[A.A.C. R18-2-310.A.4]

e. Included in a permit to meet the requirements of A.A.C. R18-2-406.A.5.

[A.A.C. R18-2-310.A.5]

2. Affirmative Defense for Malfunctions

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

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

a. The excess emissions resulted from a sudden and unavoidable breakdown of process equipment or air pollution control equipment beyond the reasonable control of the Permittee;

[A.A.C. R18-2-310.B.1]

b. The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;

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

c. If repairs were required, the repairs were made in an expeditious fashion when the applicable emission limitations were being exceeded. Off-shift labor and overtime were utilized where practicable to ensure that the repairs were made as expeditiously as possible. If off-shift labor and overtime were not utilized, the Permittee satisfactorily demonstrated that the measures were impracticable;

[A.A.C. R18-2-310.B.3]

d. The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;

[A.A.C. R18-2-310.B.4]

e. All reasonable steps were taken to minimize the impact of the excess emissions on ambient air quality;

[A.A.C. R18-2-310.B.5]

f. The excess emissions were not part of a recurring pattern indicative of inadequate design, operation, or maintenance;

[A.A.C. R18-2-310.B.6]

g. During the period of excess emissions there were no exceedances of the relevant ambient air quality standards established in Title 18, Chapter 2, Article 2 of the Arizona Administrative Code that could be attributed to the emitting source;

[A.A.C. R18-2-310.B.7]

h. The excess emissions did not stem from any activity or event that could have been foreseen and avoided, or planned, and could not have been avoided by better operations and maintenance practices;

[A.A.C. R18-2-310.B.8]

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

[A.A.C. R18-2-310.B.9]

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

[A.A.C. R18-2-310.B.10]

3. Affirmative Defense for Startup and Shutdown

a. Except as provided in Condition XII.D.3 below, and unless otherwise provided for in the applicable requirement, emissions in excess of an applicable emission limitation due to startup and shutdown shall constitute a violation. When emissions in excess of an applicable emission limitation are due to startup and shutdown, the Permittee has an affirmative defense to a civil or administrative enforcement proceeding based on that violation, other than a judicial action seeking injunctive relief, if the Permittee has complied with the reporting requirements of A.A.C. R18-2-310.01 and has demonstrated all of the following:

[A.A.C. R18-2-310.C.1]

(1) The excess emissions could not have been prevented through careful and prudent planning and design;

[A.A.C. R18-2-310.C.1.a]

(2) If the excess emissions were the result of a bypass of control equipment, the bypass was unavoidable to prevent loss of life, personal injury, or severe damage to air pollution control equipment, production equipment, or other property;

[A.A.C. R18-2-310.C.1.b]

(3) The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;

[A.A.C. R18-2-310.C.1.c]

(4) The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;

[A.A.C. R18-2-310.C.1.d]

(5) All reasonable steps were taken to minimize the impact of the excess emissions on ambient air quality;

[A.A.C. R18-2-310.C.1.e]

(6) During the period of excess emissions there were no exceedances of the relevant ambient air quality standards established in Title 18, Chapter 2, Article 2 of the Arizona Administrative Code that could be attributed to the emitting source;

[A.A.C. R18-2-310.C.1.f]

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

[A.A.C. R18-2-310.C.1.g]

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

[A.A.C. R18-2-310.C.1.h]

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

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

4. Affirmative Defense for Malfunctions During Scheduled Maintenance

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

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

5. Demonstration of Reasonable and Practicable Measures

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

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

XIII. RECORDKEEPING REQUIREMENTS

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

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

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. REPORTING REQUIREMENTS

The Permittee shall submit the following reports:

A. Compliance certifications in accordance with Section VII above.

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

B. Excess emission; permit deviation, and emergency reports in accordance with Section XII above.

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

C. Other reports required by any condition of Attachment "B".

XV. 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]

XVI. 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 - Class II (A.A.C. R18-2-317.01);

[A.A.C. R18-2-317.01]

B. Administrative Permit Amendment (A.A.C. R18-2-318);

[A.A.C. R18-2-318]

C. Minor Permit Revision (A.A.C. R18-2-319); and

[A.A.C. R18-2-319]

D. Significant Permit Revision (A.A.C. R18-2-320).

[A.A.C. R18-2-320]

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

XVII. FACILITY CHANGE WITHOUT A PERMIT REVISION

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

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

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

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

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

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

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

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

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

C. Except as provided in the conditions applicable to an emissions cap created under A.A.C. R18-2-306.02, the following changes may be made if the source provides written notice to the Department in advance of the change as provided below:

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

1. Replacing an item of air pollution control equipment listed in the permit with one that is not identical but that is substantially similar and has the same or better pollutant removal efficiency: 7 days. The Director may require verification of efficiency of the new equipment by performance tests;

2. A physical change or change in the method of operation that increases actual emissions more than 10% of the major source threshold for any conventional pollutant but does not require a permit revision: 7 days;

3. Replacing an item of air pollution control equipment listed in the permit with one that is not substantially similar but that has the same or better efficiency: 30 days. The Director may require verification of efficiency of the new equipment by performance tests;

4. A change that would trigger an applicable requirement that already exists in the permit: 30 days unless otherwise required by the applicable requirement;

5. A change that amounts to reconstruction of the source or an affected facility: 7 days. For the purposes of this subsection, reconstruction of a source or an affected facility shall be presumed if the fixed capital cost of the new components exceeds 50% of the fixed capital cost of a comparable entirely new source or affected facility and the changes to the components have occurred over the 12 consecutive months beginning with commencement of construction; and

6. A change that will result in the emissions of a new regulated air pollutant above an applicable regulatory threshold but that does not trigger a new applicable requirement for that source category: 30 days. For purposes of this requirement, an applicable regulatory threshold for a conventional air pollutant shall be 10% of the applicable major source threshold for that pollutant.

D. For each change under Condition XVII.C, the written notice shall be by certified mail or hand delivery and shall be received by the Director the minimum amount of time in advance of the change. Notifications of changes associated with emergency conditions, such as malfunctions necessitating the replacement of equipment, may be provided with less than required notice, but must be provided as far in advance of the change, or if advance notification is not practicable, as soon after the change as possible. The written notice shall include:

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

1. When the proposed change will occur;

2. A description of the change;

3. Any change in emissions of regulated air pollutants; and

4. Any permit term or condition that is no longer applicable as a result of the change.

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

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

F. The permit shield described in A.A.C. R18-2-325 shall not apply to any change made under this Section, other than implementation of an alternate operating scenario under Condition XVII.B.1.

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

G. Notwithstanding any other part of this Section, the Director may require a permit to be revised for any change that, when considered together with any other changes submitted by the same source under this Section over the term of the permit, constitutes a change under subsection A.A.C. R18-2-317.01.A.

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

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

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

I. A copy of all logs required under Condition XVII.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 XVII.B shall include at least the following information:

   a. A description of the change, including:

(1) A description of any process change;

(2) A description of any equipment change, including both old and new equipment descriptions, model numbers, and serial numbers, or any other unique equipment ID number; and

(3) A description of any process material change.

b. The date and time that the change occurred.

c. The provision of A.A.C. R18-2-317.02.B that authorizes the change to be made with logging.

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

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

XVIII. 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 XVIII.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 XVIII.H.1, 2, and 3 above, the Permittee remains subject to the requirements of Section XVIII.
[A.A.C. R18-2-312.J.4]

5. For purposes of this Section XVIII, 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]

XIX. 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]

XX. 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]

XXI. 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 XVI.B of this Attachment and any facility changes without a permit revision pursuant to Section XVII of this Attachment.

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

XXII. PROTECTION OF STRATOSPHER IC 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]

XXIII. 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)

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

(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)

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

(2) EPA Reference Method 9.

c. The Permittee shall have on site or on call a person certified in EPA Reference Method 9 unless all 6- minute Method 9 observations required by this permit are conducted as a 6-minute Alternative Method-082 (Digital Camera Operating Technique) and all instantaneous visual surveys required by this permit are conducted as an instantaneous Alt-082 camera survey. Any 6-minute Method 9 observation required by this permit can be conducted as a 6-minute Alternative Method-082 and any

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

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

2. Monitoring, Recordkeeping, and Reporting Requirements

a. 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.

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

B. Stack Requirements

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

1. The Manifolded extrusion unit exhaust, EP 39 (previously EP15, EP16, EP17, EP18, and EP 28) shall be oriented in such a manner that it exhausts vertically upward.

2. The Manifolded extrusion unit exhaust, EP 39, shall have a minimum exhaust release height of 197 feet and a stack diameter of 46 inches.

3. The Manifolded extrusion unit exhaust, EP 39, shall be operated in an open loop configuration at all times.

4. The Manifolded extrusion unit exhaust, EP 39, shall have a maximum airflow rate of 43,300 actual cubic feet per minute.

C. 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. Conditions III.A.2.a(1) through III.A.2.a(9) of Attachment "B"

b. Condition III.A.2.b

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

II. BOILERS

A. Applicability

This Section is applicable to the boilers identified in Attachment 'C".

B. General Fuel Requirements

1. The Permittee shall only burn fuel oil or natural gas in the boilers.

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

2. The term "fuel oil" used herein shall refer to low sulfur distillate fuel oil containing less than 0.90 percent by weight of sulfur.

[A.A.C. R18-2-701.23]

3. Hour Limitations

When firing fuel oil, the Permittee shall limit the operation of the boilers to no more than 48 hours in any rolling 12-month period outside of a gas curtailment or gas supply emergency.

[A.A.C. R18-2 -306.01.A and 331.A.3.a]
[Material Permit Conditions are indicated by underline and italics

4. Monitoring, Recordkeeping, and Reporting Requirements

The Permittee shall maintain on-site, monthly records of boiler operating hours where fuel oil was combusted. These records shall be made available to ADEQ upon request.

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

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 into the atmosphere in excess of the amounts calculated by the following equation:

$E = 1.02\ Q^{0.769}$

Where

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

Q = the heat input in million Btu per hour

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

b. For purposes of 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 fuel-burning units on a plant or premises shall be used for determining the maximum allowable amount of particulate matter which may be emitted.

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

c. The Permittee shall not cause, allow or permit to be emitted into the atmosphere any plume or effluent from the boilers' operation, the opacity of which exceeds 15 percent, measured in accordance with EPA Reference Method 9.

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

2. Monitoring, Recordkeeping, and Reporting

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 perform conduct monthly opacity monitoring from the stack each boiler, when in operation, as per Condition I.A.2 of Attachment "B".

[A.A.C. R18-2-306.A.3.c, .306.A.4.a and 306.A.5]

3. Permit Shield

Compliance with this Section shall be deemed compliance with A.A.C. R18-2-724.B, A.A.C R18-2-724.C.1, and A.A.C R18-2-724.J.

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

D. Sulfur Dioxide

1. Emissions Limitation and Standards

The Permittee shall not cause, allow or permit emissions of more than 1.0 pounds of sulfur dioxide per million Btu heat input from each boiler.

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

2. Fuel Limitations

During times of gas curtailments or gas supply emergencies, the Permittee shall limit the combined amount of fuel oil combusted in both boilers to no more than 1,390,000 gallons in a rolling 12-month period.

[A.A.C. R18-2 -306.01.A and 331.A.3.a]
[Material Permit Conditions are indicated by underline and italics]

3. Monitoring and Recordkeeping Requirements

The Permittee shall maintain on-site, monthly records of gallons fuel oil combusted for each boiler. These records shall be made available to ADEQ upon request. At the end of each month the Permittee will calculate the rolling-12 month total gallons of fuel oil combusted for each boiler.

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

4. Permit Shield

Compliance with the terms of this Section shall be deemed compliance with A.A.C. R18-2-724.E, F, G, and K.

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

III. UNCLASSIFIED SOURCES

(Truck & Rail Receiving, Grinding Aspiration, Product & By-Product Dryers, Live Bottom Bin Aspiration, Dryer Legs Aspiration, LBB Rotex Aspiration, 5 Extrusion Unit Conveyance Cyclones, FP Cooler System Cyclones, Odd-Pound Storage Silo Bin Vents, Mixed Meal Weigh Belt Feeder, Cyclones 31a, 31b, 32a, 32b, 34, 35, 36, & 37, Hammermills, and Dryer Conveyance)

A. Particulate Matter and Opacity

1. Emissions Limitations and Standards

a. The Permittee shall not cause, allow or permit the emission of particulate matter from any process equipment, caused by the combustion of fuel, in excess of the amount calculated by the following equation:

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

$E = 4.10P^{0.67}$

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

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

Where:

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

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

[A.A.C.R-18-2- 730.A]

b. The Permittee shall not cause, allow or permit to be emitted into the atmosphere from any process equipment, smoke for any period greater than ten consecutive seconds which exceeds 20 percent opacity. Visible emissions when starting cold equipment shall be exempt from this requirement for the first ten minutes.

[A.A.C.R-18-2- 702.B.1]

c. The Permittee shall not emit gaseous or odorous materials from equipment, operations or premises under the Permittee's control in such quantities or concentrations as to cause air pollution.

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

2. Air Pollution Control Requirements

a. *The Permittee shall, to the extent practicable, operate* and maintain *the following equipment to minimize particulate matter emissions in a manner consistent with good air pollution control practices:*

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

(1) *A baghouse for grain unloading from trucks and rail cars.*

(2) *Three baghouses for the grinding aspiration systems.*

(3) *Dust separators for each of the five exhausts from drying extruded pet food.*

(4) *A baghouse for the live bottom bins aspiration system which handles particulates from pet food transfer processes.*

(5) *A baghouse for the dryer legs aspiration systems which handles particulates from pet food conveyance.*

(6) *A baghouse for the live bottom bin elevator legs and Rotex aspiration system which handles particulates from pet food transfer between processes.*

(7) *A dust collector at the mixed meal weigh belt feeder to control particulate emissions during mixed meal transfer to the hammermills.*

(8) *Two dust collectors to control particulate emissions from the grain transfer from storage bins to odd-pound ingredient storage bins.*

(9) *A dust collector to control particulate emissions from the coating operations.*

(10) *A dust collector to control particulate emissions from the dryer conveyence lines.*

b. *The Permittee shall, to the extent practicable, operate* and maintain *the cyclones on the extrusion units, FP Coolers and hammermills to control particulate matter emissions in a manner consistent with good air pollution control practices.*

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

3. Monitoring, Recordkeeping, and Reporting

a. The Permittee shall conduct monthly opacity monitoring the stack of each process source covered in this section, when in operation, as per Condition I.A.2 of Attachment "B".

[A.A.C. R18-2-306.A.3.c, .306.A.4.a and 306.A.5]

b. The Permittee shall conduct an annual black light inspection on the baghouses in an effort to detect broken or leaking bags. If broken or leaking bags are detected, the Permittee shall repair or replace the bags. Upon completion of the inspection, the Permittee shall record the name of the inspector, the date, the time, and the results of the inspection and the repairs performed to address any problems detected.

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

4. Permit Shield

Compliance with the conditions of this Section shall be deemed compliance with A.A.C.R18-2-730.A and 702.B.1.

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

B. Volatile Organic Compounds

1. Emissions Limitations and Standards

a. The Permittee shall process, store, use and transport all materials including solvents or other volatile compounds, paints, acids, alkalies, pesticides, fertilizers and manure in such a manner and by such means that they will not evaporate, leak, escape or be otherwise discharge 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]

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

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

c. Permit Shield

Compliance with the conditions of this Section shall be deemed compliance with A.A.C.R18-2-730.D, F, and G.

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

IV. INTERNAL COMBUSTION ENGINES

A. Applicability

This Section is applicable to the internal combustion engines identified in Attachment "C".

B. Fuel Limitations

1. The Permittee shall only burn natural gas or fuel oil that contains no more than 500 ppm (0.05%) sulfur in the internal combustion engines.

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

2. Permit Shield

Compliance with this Section shall be deemed compliance with A.A.C. R18-2-719.H.

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

C. Particulate Matter and Opacity

1. Emissions Limitations and Standards

a. The Permittee shall not cause, allow or permit the emission of particulate matter, caused by combustion of fuel, from any stationary rotating machinery into the atmosphere in excess of the amounts calculated by the following equation:

$E = 1.02\ Q^{0.769}$

Where

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

Q = the heat input in million Btu per hour

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

b. For purposes 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]

c. Opacity

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

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

2. Monitoring, Reporting, and Recordkeeping

a. The Permittee shall keep a record of the fuel supplier certification for each delivery of fuel to the facility. 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 conduct monthly opacity monitoring for the engines, when in operation, as per Condition I.A.2 of Attachment "B".

[A.A.C. R18-2-306.A.3.c, .306.A.4.a and 306.A.5]

3. Permit Shield

a. Compliance with this Section shall be deemed compliance with A.A.C. R18-2-719.C.1, A.A.C. R18-2-719.E, and A.A.C. R18-2-719.I.

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

D. Sulfur Dioxide

1. Emission Limitations and Standards

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

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

2. Monitoring, Recordkeeping, and Reporting

a. The Permittee shall keep daily records of the sulfur content of the fuel oil being fired in the IC Engines. The Permittee shall keep records of fuel supplier certifications to demonstrate compliance with the sulfur content limit specified in this Condition IV.D.1 and Condition IV.E.2.a. The certification shall contain the sulfur content of the fuel and the method used to determine the sulfur content of the fuel. These records shall be made available to ADEQ upon request.

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

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

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

3. Permit Shield

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

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

E. Hazardous Air Pollutants

1. The requirements of 40 CFR 63, Subpart ZZZZ are applicable to the internal combustion engines identified in Attachment "C" manufactured before June 12, 2006.

[40 CFR 63.6580 and 40 CFR 63.6590]

2. General Requirements

a. Fuel Requirements

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

[40 CFR 63.6604(b)]

b. At all times, the Permittee shall operate and maintain the emergency engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by 40 CFR 63, Subpart ZZZZ have been achieved.

[40 CFR 63.6605(b)]

c. Operation and Maintenance

(1) The Permittee shall demonstrate continuous compliance with the following operation and maintenance requirements:
[40 CFR 63.6640(a) and 40 CFR 63, Subpart ZZZZ, Table 2d]

(a) The Permittee shall change the oil and filter every 500 hours operation or annually, whichever comes first.
[40 CFR 63, Subpart ZZZZ, Table 2d]

(b) The Permittee shall inspect the air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
[40 CFR 63, Subpart ZZZZ, Table 2d]

(c) The Permittee shall inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
[40 CFR 63, Subpart ZZZZ, Table 2d]

(d) The Permittee shall operate and maintain the emergency engine and after-treatment control devices (if any) according to the manufacturer's emission-related written instructions. If no instructions are available, the Permittee shall develop their own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
40 CFR 63.6625(e)]

(e) The Permittee shall install a non-resettable hour meter if one is not already installed.
40 CFR 63.6625(f)]

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

(g) The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Condition IV.E.2.c(1)(b). If the Permittee utilizes an oil analysis program, the Permittee shall follow the requirements of 40 CFR 63.6625(i).
[40 CFR 63.6625(i)]

(2) The Permittee shall report each instance in which Condition IV.E.2.c(1)(a) through Condition IV.E.2.c(1)(d) were not met. These instances are deviations from the emission and operating limitations in 40 CFR 63, Subpart ZZZZ. These deviations shall be reported according to the requirements in Condition IV.E.4.a.
[40 CFR 63.6640(b)]

3. Compliance Demonstration

The Permittee shall demonstrate continuous compliance by operating and maintaining the engine according to the manufacturer's emission-related operation and maintenance instructions; or by developing and follow its own 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.

[Table 6 to 40 CFR 63 Subpart ZZZZ]

4. Record Keeping and Reporting Requirements

a. The Permittee shall submit all deviations and compliance certifications pursuant to timelines specified in Condition VII.A and Condition XII.B of Attachment A, respectively.

[40 CFR 63.6650(b)(5)]

(1) Along with the Compliance Certifications submitted for the Conditions specified in Section XIII of Attachment "A", the Permittee shall submit a Compliance Report containing the information in 40 CFR 63.6650(c)(1) through 40 CFR 63.6650(c)(5):

[40 CFR 63.6650(c)]

(2) For each deviation from an operating limitation that occurs for the emergency engine, the Compliance Report shall contain the information required by 40 CFR 63.6650(d).

[40 CFR 63.6650(d)]

(a) The total operating time of the Emergency Diesel Engine at which the deviation occurred during the reporting period.

[40 CFR 63.6650(d)(1)]

(b) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

[40 CFR 63.6650(d)(2)]

b. The Permittee shall keep the records specified in 40 CFR 63.6655(a) and 40 CFR 63.6655(e).

[40 CFR 63.6655(a) and 40 CFR 63.6655(e)]

c. Thee Permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the emergency engine according to manufacturer's emission related operation and maintenance instructions or the Permittee's maintenance plan.

[40 CFR 63.6655(e) and 40 CFR 63, Table 6, Item 9]

5. Notification Requirements

The Permittee shall submit all of the applicable notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) for engines greater than 100 HP.

[40 CFR 63.6645(a)(2) and (a)(5)]

6. Permit Shield

Compliance with the conditions of this Section shall be deemed compliance with 40 CFR 63.6580, 40 CFR 63.6590, 40 CFR 63.6604(b), 40 CFR 63.6605(b), 40 CFR 63.6640(a). 40 CFR 63, Subpart ZZZZ, Table 2d, 40 CFR 63.6625(e), 40 CFR 63.6625(f), 40 CFR 63.6625(h), 40 CFR 63.6625(i), 40 CFR 63.6625(j), 40 CFR 63.6640(b), 40 CFR 63.6640(f), 40 CFR 63.6650(b)(5), 40 CFR 63.6650(c), 40 CFR 63.6650(d), 40 CFR 63.6655(a), 40 CFR 63.6655(e), and 40 CFR 63, Table 6, Item 9.

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

V. STANDARDS OF PERFORMANCE FOR FUEL OIL STORAGE TANKS

A. Emissions Limitations and Standards

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

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

2. The Permittee shall process, store, use and transport all materials including solvents or other volatile compounds, paints, acids, alkalies, pesticides, fertilizers and manure in such a manner and by such means that they will not evaporate, leak, escape or be otherwise discharge 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 Permittee thereof to a degree that will adequately dilute, reduce or eliminate the discharge of air pollution to adjoining property.

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

B. Permit Shield

Compliance with the conditions of this Section shall be deemed compliance with A.A.C.R18-2-730.D, F, and G.

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

VI. FUGITIVE DUST REQUIREMENTS

A. Applicability

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

B. Particulate Matter and Opacity

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

1. Emission Limitations/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 wetting, applying dust suppressants, or covering the load when transporting material likely to give rise to airborne dust. Earth or other material that is

deposited by trucking or earth moving equipment shall be removed from paved streets by the person responsible for such deposits.

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

(6) Take reasonable precautions such as chemical stabilization, wetting, or covering when organic or inorganic dust producing material is being stacked, piled, or otherwise stored to prevent excessive amounts of particulate matter from becoming airborne;

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

(7) Operate stacking and reclaiming machinery utilized at storage piles at all times with a minimum fall of material, or with the use of spray bars and wetting agents to prevent excessive amounts of particulate matter from becoming airborne;

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

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

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

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

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

2. Air Pollution Control Requirements

Haul Roads and Storage Piles

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

[A.A.C. R18-2-306.A.2 and -331.A.3.d]
[Material Permit Condition is indicated by underline and italics]

3. Monitoring and Recordkeeping Requirements

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

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

b. Opacity Monitoring Requirements

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

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

C. Permit Shield

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

VII. OTHER PERIODIC ACTIVITIES

Demolition/Renovation - Hazardous Air Pollutants

1. Emission Limitation/Standard

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

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

2. Monitoring and Recordkeeping Requirement

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

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

3. Permit Shield

   Compliance with the conditions of this Section shall be deemed compliance with A.A.C. R18-2-1101.A.12.

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

ATTACHMENT "C": EQUIPMENT LIST

Air Quality Control Permit No. 74605
For
Nestlé Purina PetCare Company

EQUIPMENT TYPE	STACK ID/ EQUIPMENT NUMBER	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	DATE OF MFG.
Dust Collector #7 (Truck Receiving)	1	125,000 lbs/hr	Buhler-Miag	PRF-120/10	N/A	1975
Dust Collector #24 (Rail Receiving)	2	162,000 lbs/hr	Buhler-Miag	PRF-90/10	N/A	1975
Dust Collector #157 (Grinding Aspiration)	3	30,000 lbs/hr	Buhler-Miag	ASF 44/10	N/A	1974
Dust Collector #238 (Grinding Aspiration)	4	30,000 lbs/hr	Buhler-Miag	ASF 44/10	N/A	1975
By-Product Dryer (Fan #1958)	5	16,000 lbs/hr	Buhler Separator	N/A	K21001	2001
Dryer #1 (Fan #997)	6	22,500 lbs/hr	Buhler Separator	N/A	K20992	2001
Dryer #1 Natural Gas (Fan #1520)	6 NG	32,000 lbs/hr and 17.1 MMBtu/hr	Buhler Separator	PDAZ-110	N/A	2019
Dryer #2 (Fan #1098)	7	22,500 lbs/hr	Buhler Separator	N/A	K20993	2001
Dryer #3 (Fan #1198)	8	22,500 lbs/hr	Buhler Separator	N/A	K20994	2001
Dryer #4 (Fan #1298)	9	22,500 lbs/hr	Buhler Separator	N/A	K20995	2001

EQUIPMENT TYPE	STACK ID/ EQUIPMENT NUMBER	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	DATE OF MFG.
Boiler #7082	10	65/40 MMBtu/hr	Erie City Boilers	N/A	98859	1973
Boiler #7105	11	48.5/37.33 MMBtu/hr	Erie City Boilers	N/A	98860	1973
Live bottom Bin Aspiration (Dust Collector Fan #1038)	12	112,500 lbs/hr	Modu-Kleen	96A-16	N/A	1979
Dryer Legs Aspiration (Dust Collector Fan # 1028)	13	112,500 lbs/hr	Modu-Kleen	84-81	N/A	1979
LBB Legs/Rotex Aspiration (Dust Collector Fan #1004)	14	112,500 lbs/hr	Modu-Kleen	84A-81	N/A	1979
FP Cooler System #1 Cyclone (Plant ID#: 3513)	19	40,000 lbs/hr	Buhler	PDAZ-28	N/A	1997
FP Cooler System #2 Cyclone (Plant ID#: 3523)	20	40,000 lbs/hr	Buhler	PDAZ-28	N/A	1997
FP Cooler System #4 Cyclone (Plant ID#: 2460)	21	60,000 lbs/hr	Buhler	PDAZ-28	N/A	2000
Fuel Oil Storage - Tank 1	22	78,000 gal	N/A	N/A	N/A	1975
Fuel Oil Storage - Tank 2	23	78,000 gal	N/A	N/A	N/A	1975

EQUIPMENT TYPE	STACK ID/ EQUIPMENT NUMBER	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	DATE OF MFG.
Odd-Pound Ingredient Storage Silo #1 bin vent	24	24,000 lbs/hr	N/A	N/A	N/A	N/A
Odd-Pound Ingredient Storage Silo #2 bin vent	25	24,000 lbs/hr	N/A	N/A	N/A	N/A
Dust Collector #728 (Grinding Aspiration)	26	30,000 lb/hr	MAC	55STC56 Style II	N/A	2008
Dryer #5 (Fan #1400)	27	30,000 lb/hr And 17.1 MMBTU/hr	Aeroglide Dryer/ Buhler Separator	PDAZ-110	N/A	2008
FP Cooler System #3 Cyclone (Plant ID #1884)	29	60,000 lb/hr	Buhler	PDAZ-28	N/A	2008
Mixed Meal Dust Collector #728	30	30,000 lbs/hr	MAC	39RTC1	122279-021-1	2008
Mill Building Dust Collector North	31	15,000 lbs/hr	Dynamic Air	Modukleen	213445	1975
Mill Building Dust Collector South	32	15,000 lbs/hr	Dynamic Air	Modukleen	213444	1975
Hammermills Cyclones (2) 31a, 31b	Ducted to 31 Stack	25,200 lbs/hr	Buhler Miag	ASF & Type B	115 & 74-114	1975
Hammermills Cyclones (2) 32a, 32b	Ducted to 32 Stack	25,200 lbs/hr	Buhler Miag	ASF & Type B	119 & 74-116	1975
Coatings – Dust Collector #123	33	3,500 lbs/hr	Scientific Dust Collector	SPJ-30-X4B8	65121	2013

EQUIPMENT TYPE	STACK ID/ EQUIPMENT NUMBER	MAX. CAPACITY	MAKE	MODEL	SERIAL NUMBER	DATE OF MFG.
DA Mixer System #1 Cyclone (#687)	34	40,000 lb/hr	Coperion K-Tron Cyclone	S-500406-en	N/A	2014
DA Mixer System #2 Cyclone (#690)	35	40,000 lb/hr	Coperion K-Tron Cyclone	S-500406-en	N/A	2014
DA Mixer System #1 Cyclone (#697)	36	60,000 lb/hr	Coperion K-Tron Cyclone	S-500406-en	N/A	2014
DA Mixer System #1 Cyclone (#694)	37	60,000 lb/hr	Coperion K-Tron Cyclone	S-500406-en	N/A	2014
Batching Dust Collector #598	38	30,000 lb/hr	MAC	N/A	N/A	2015
Extrusion Units 1-5; Previous EP #'s 15, 16, 17, 18, & 28	39	140,000 lbs/hr	N/A	N/A	N/A	2017
Dust Collector #1527 (Dryer #1 Conveyance)	40	150,000 lb/hr	Schrenk Dust Collector	39AVRC39	N/A	2019
Fire Water Pump Engine	INSIG-1	255 hp	Cummins	NT855F1353	10435299	1975
Delco Generator/Engine Set	INSIG-2	100 hp	Detroit Engine / Delco Generator (Diesel)	353 / E5899	238-B-71 (Engine)	1985
Onan Cummings Generator/Engine Set	INSIG-3	225 hp	Cummings Engine / Onan Generator	GGLB / 5955981	L070135538 (Engine)	2008

N/A = Not Available