INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: April 8, 2008

RE: Bunge North America / 003-23640-00005

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;

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(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNTVOP.dot 3/27/08

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

Bunge North America (East), LLC
1200 North 2nd Street
Decatur, Indiana 46733

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the 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. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T003-23640-00005	
Issued by: Original signed by Alfred Dumaual, Ph.D., Section Chief Permits Branch Office of Air Quality	Issuance Date:April 8, 2008 Expiration Date:April 8, 2013

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary grain handling, soybean meal production, and soybean oil extraction plant.

Source Address:	1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address:	P.O. Box 1002, Decatur, Indiana 46733
General Source Phone Number:	(260) 724-2101
SIC Code:	2075, 5153
County Location:	Adams
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

(a) Truck Dump #2, identified as 1EL1, constructed in 1980, using a baghouse for particulate matter (PM) control, and exhausting to stack 1EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(b) The following grain elevator East Workhouse components, together identified as 2EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 2EL, consisting of:

(1) One (1) dryer megatex enclosed conveyor, constructed in 1979;

(2) One (1) dryer rotex, constructed prior to 1977;

(3) One (1) screening bin hammermill, constructed in 1978;

(4) One (1) #1 scalperator, constructed prior to 1977;

(5) One (1) #2 scalperator, constructed prior to 1977;

(6) One (1) #3 scalperator, constructed prior to 1977;

(7) One (1) ext. screening bin, constructed prior to 1977;

(8) One (1) screening bin, constructed prior to 1977;

(9) One (1) solvent screening leg, constructed prior to 1977;

(10) One (1) #1 leg, constructed prior to 1977;

(11) One (1) #2 leg, constructed prior to 1977;

(12) One (1) #3 leg, constructed prior to 1977;

(13) One (1) west to east Hi-Roller, constructed prior to 1977;

(14) One (1) west to east belt loader, constructed prior to 1977;

(15) One (1) dry bean leg, constructed prior to 1977;

(16) One (1) #1 dryer Hi-Roller, constructed prior to 1977;

(17) One (1) weaver's belt, constructed prior to 1977; and

(18) One (1) 102 belt, constructed prior to 1977.

(c) The following grain elevator components, together identified as 5EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 5EL, consisting of:

(1) One (1) north tripper buggy, constructed prior to 1977;

(2) One (1) north galley belt loader, constructed prior to 1977;

(3) One (1) east west belt, constructed prior to 1977; and

(4) One (1) bin 102, constructed prior to 1977.

(d) One (1) north west receiving house enclosed conveyor identified as 8EL1, constructed prior to 1977, using oil suppressant for PM control, with no aspiration.

(e) The following grain elevator components together identified as 10EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 10EL, consisting of:

(1) One (1) rail loadout, constructed in 1984. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD;

(2) One (1) rail receiving, constructed in 1960;

(3) One (1) north leg, constructed prior to 1960; and

(4) One (1) south leg, constructed prior to 1960.

(f) The following grain elevator components together identified as 14EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 14EL, consisting of:

(1) One (1) jumbo silo east galley belt, constructed prior to 1977;

(2) One (1) jumbo silo west galley belt, constructed prior to 1977;

(3) One (1) jumbo silo crossover galley belt, constructed prior to 1977;

(g) One (1) natural gas fired grain dryer #2, identified as 19EL1, constructed in 1995, using

self-cleaning screens for PM control, and exhausting to vent 19EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(h) One (1) truck dump #7, identified as 20EL1, constructed in 1997, consisting of one (1) weigh scale truck unloading pit, and two (2) enclosed bucket elevator legs, using two (2) baghouses in parallel for PM control, and exhausting to stack 20EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(i) Silo bin vents, identified as 3EL1, constructed prior to 1977, using soybean oil as a dust suppressant, and exhausting to vent 3EL.

(j) Silo direct loadout, identified as 4EL1, constructed prior to 1977, using soybean oil as a dust suppressant.

(k) One (1) south tripper buggy, one (1) south galley belt loader, and one (1) north south belt, identified as 6EL1, all constructed prior to 1977, using a baghouse and oil suppressant for PM control, and exhausting to stack 6EL.

(l) One (1) south west receiving house enclosed conveyor, identified as 7EL1, constructed prior to 1977, using oil suppressant for PM control with no aspiration.

(m) One (1) truck dump #3, identified as 9EL1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 9EL.

(n) One (1) truck dump #5, identified as 12EL1, constructed prior to 1977, using a baghouse for PM control, and exhausting to stack 12EL.

(o) One (1) jumbo silo east tunnel belt, one (1) jumbo silo west tunnel belt, and one (1) jumbo silo crossover tunnel belt, identified as 13EL1, all constructed prior to 1977, using a baghouse and oil suppressant for PM control, and exhausting to stack 13EL.

(p) One (1) truck dump #6, identified as 15EL1, constructed prior to 1977, using a baghouse for PM control, and exhausting to stack 15EL.

(q) One (1) natural gas fired grain dryer #1, identified as 16EL1, constructed in 1986, using self-cleaning screens for PM control, and exhausting to stack 16EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(r) Two (2) natural gas fired grain dryers, #4 and #5, identified as 17EL1, constructed in the 1960's, using self-cleaning screens for PM control, and exhausting to vent 17EL.

(s) One (1) Lec. Dept. filter aid unit, identified as 204RO1, constructed in 1980, using a baghouse for PM control, and exhausting to stack 204RO.

(t) Daily use bins, identified as 102EO1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 102EO.

(u) Filter aid silos, identified as 103EO1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 103EO.

(v) One (1) natural gas fired hydrogen generator furnace, identified as 107EO1, constructed in 1992, with a maximum heat input capacity of 25.2 MMBtu/hr, and exhausting to stack 107EO.

(w) Salt conveying, identified as 4SP1, constructed in 1981, using a baghouse for PM control, and exhausting to stack 4SP.

(x) Six (6) flaking rolls, #1, #2, #3, #4, #5, and #6, constructed in 1996, and B flake n/s drag, constructed in 1991, all identified together as 1EX1, using fabric filters for PM control, and exhausting to stack 1EX.

(y) One (1) flaking roll #14 and flaking roll discharge #14, identified as 1EX2, constructed in 1991, using fabric filters for PM control, and exhausting to stack 1EX.

(z) The following soybean processing equipment, together identified as 3EX1, sharing a cyclone with 3EX2 for PM control, and exhausting to stack 3EX, consisting of:

(1) Four (4) flaking rolls, #9, #10, #11, and #12, constructed in 1978;

(2) One (1) flaking roll #13, constructed in 1985;

(3) One (1) ‘A’ flake n/s drag, constructed in 1993; and

(4) One (1) ‘A’ flake e/w drag, constructed in 1993.

(aa) One (1) north run around drag, identified as 3EX2, constructed in 1984, sharing a cyclone with 3EX1, and exhausting to stack 3EX.

(bb) The following soybean processing equipment, together identified as 4EX1, sharing a baghouse with 4EX2 and 4EX3 for PM control, and exhausting to stack 4EX, consisting of:

(1) One (1) whole bean scale, constructed in 1989;

(2) One (1) ‘A’ whole bean leg, constructed in 1997;

(3) One (1) ‘A’ surge bin, constructed prior to 1979;

(4) One (1) whole bean drag, constructed in 1981; and

(5) One (1) ‘B’ surge bin, constructed prior to 1979.

(cc) A run around rework screw, identified as 4EX2, constructed in 1991, sharing a baghouse with 4EX1 and 4EX3 for PM control, and exhausting to stack 4EX.

(dd) The following soybean processing equipment, together identified as 4EX3, sharing a baghouse with 4EX1 and 4EX2 for PM control, and exhausting to stack 4EX, consisting of:

(1) One (1) hull refining screw conveyor, constructed in 1991;

(2) One (1) hull refining process, constructed in 1991; and

(3) One (1) hull grinding process, constructed in 1987.

(ee) Dehulling equipment, identified as 5EX1, constructed in 1997, sharing a baghouse with 5EX2 and 5EX3 for PM control, and exhausting to stack 5EX.

(ff) Hot dehulling equipment, identified as 5EX2, constructed in 1991, sharing a baghouse

with 5EX1 and 5EX3 for PM control, and exhausting to stack 5EX.

(gg) Screening aspiration, identified as 5EX3, constructed in 1988, sharing a baghouse with 5EX1 and 5EX2 for PM control, and exhausting to stack 5EX.

(hh) Truck meal loadout and rail meal loadout, identified as 6EX1, constructed in 1982, replaced in 1999, with truck meal loadout using a baghouse for PM control, and exhausting to stack 6EX, and rail meal loadout using a choke loader for intrinsic PM control of fugitive emissions.

(ii) The following soybean processing equipment, together identified as 7EX1, using a baghouse for PM control, and exhausting to stack 7EX, consisting of:

(1) One (1) north megamill, constructed in 1993;

(2) One (1) south megamill, constructed in 1993; and

(3) One (1) stedman grinder, constructed in 1983.

(jj) One (1) leg No. 2, one (1) mixing conveyor, and one (1) bin drag, together identified as 9EX1, all constructed in 1983, using a baghouse for PM control, and exhausting to stack 9EX.

(kk) The following soybean processing equipment, together identified as 10EX1, using a baghouse for PM control, and exhausting to stack 10EX, consisting of:

(1) One (1) leg No. 3, constructed in the 1950's;

(2) One (1) tunnel drag, constructed in 1983; and

(3) One (1) meal loadout drag, constructed in 1982.

(ll) One (1) kaolin bin, identified as 11EX1, constructed in the 1950's, using a baghouse for PM control, and exhausting to stack 11EX.

(mm) One (1) meal loadout bin, identified as 12EX1, constructed in 1982, using a baghouse for PM control, and exhausting to stack 12EX.

(nn) One (1) belt to storage bowls, one (1) large storage bowl, and one (1) small storage bowl, identified as 16EX1, 16EX2, and 16EX3, respectively, all constructed in 1982, with no PM control, and exhausting to stack 16EX.

(oo) Whole bean bins, identified as 18EX1, constructed in the 1940's, with no PM control, and exhausting to stack 18EX.

(pp) Meal storage silos with bin vents, identified as 23EX1, constructed in the 1950's, and one (1) bin vent filter, exhausting to stack 23EX.

(qq) One (1) zinc receiving bin, identified as 25EX1, constructed in 1994, sharing a bin vent filter with 25EX2 for PM control, and exhausting to stack 25EX.

(rr) One (1) zinc surge bin, identified as 25EX2, constructed in 1994, sharing a bin vent filter with 25EX1 for PM control, and exhausting to stack 25EX.

(ss) One (1) rumen conveyor, identified as 8EX1, constructed in 1994, using a cyclone for PM control, and exhausting to stack 8EX.

(tt) One (1) rotary reactor, identified as 27EX1, constructed in the 1994, using a cyclone for PM control, and exhausting to stack 27EX.

(uu) Rumen loadout bins, identified as 29EX1, constructed in 1994, using a bin vent filter for PM control, and exhausting to stack 29EX.

(vv) Rumen rework surge bin, identified as 30EX1, constructed in 1994, using a fabric filter for PM control, and exhausting to stack 30EX.

(ww) One (1) natural gas fired steam generator, identified as 110EO1, constructed in 2002, with a maximum heat input capacity of 14 MMBtu/hr, and exhausting to stack 110EO. This is an affected facility under the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.

(xx) One (1) natural gas fired steam generator #3, identified as 108EO1, constructed in 1994, with a maximum heat input capacity of 14 MMBtu/hr, and exhausting to stack 108EO. This is an affected facility under the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.

(yy) One (1) B & W coal fired boiler, identified as 1SP1, constructed in 1950, using multiple cyclones and a baghouse for control of particulate and HAPs, and exhausting to stack 1SP.

(zz) One (1) Keeler coal fired boiler, identified as 2SP1, constructed in 1963, using multiple cyclones and a baghouse for control of particulate and HAPs, and exhausting to stack 1SP.

(aaa) One (1) Murray natural gas fired, vegetable oil-fired, waste oil-fired, and hazardous chemical fired boiler, identified as 3SP1, constructed in 1968, and exhausting to stack 1SP.

(bbb) One (1) hexane extraction system, identified collectively as 24EX, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EXA. For reporting purposes, all hexane emissions are collectively accounted for in the total hexane losses named 24EX.

(1) One (1) ‘A’ unit, identified as 24EX1, consisting of 'A' pre-DT, constructed in 1996, ‘A’ DT, constructed in 1980, and the 'A' Meal Dryer, constructed in 1980. 'A' pre-DT is on top of and feeds the ‘A’ DT, which is on top of and feeds the ‘A’ Meal Dryer. The ‘A’ pre-DT and the 'A' DT exhaust to the hexane solvent reclaim system. The ‘A’ Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX1. Hexane emissions are reported in 24EX.

(2) One (1) ‘B’ unit, identified as 24EX2, consisting of 'B' pre-DT, constructed in 1996, 'B' DT, constructed in 1980, and the 'B' Meal Dryer, constructed in 1980. 'B' pre-DT is on top of and feeds the ‘B’ DT which is on top of and feeds the ‘B’ Meal Dryer. The 'B' pre-DT and the ‘B’ DT exhaust to the hexane solvent reclaim system. The ‘B’ Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX2. Hexane emissions are reported in 24EX.

(3) One meal cooler, identified as 24EX3, constructed in 1996, using two (2) cyclones for PM control, exhausting to stacks 24EX3A and 24EX3B, respectively, with hexane emissions reported in 24EX.

(4) Two (2) hexane storage tanks, identified as 24EX4A and 24EX4B, constructed in

1995 and 2005, respectively, with emissions vented to the mineral oil absorber inlet, with hexane emissions reported in 24EX.

(5) One (1) wastewater system, identified as 24EX5, constructed prior to 1980, containing traces of hexane, exhausting to the extraction hot water separation pit, with hexane emissions reported in 24EX.

(6) One (1) refined oil hot well, identified as 24EX6, constructed in 1975, with hexane emissions reported in 24EX.

(7) One (1) sampling /hexane unloading port, identified as 24EX7, with hexane emissions reported in 24EX.

(8) Oil tanks containing non-deodorized oil, identified as 24EX8, venting to the atmosphere, with hexane emissions reported at 24EX.

The hexane extraction system (24EX, consisting of 24EX1 through 24EX8) are affected facilities under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(ccc) The following soybean processing equipment, identified as 17EX2, modified in 1987, using a cyclone for PM control, and exhausting to stack 17EX, consisting of:

(1) One (1) flaking roll #8, constructed in 1981; and

(2) One (1) ‘B’ flake e/w drag, constructed in 1980.

(ddd) Two (2) conditioners identified as 31EX1 and 31EX2 constructed in 2002, and exhausting internally.

(eee) One (1) enclosed pneumatic ash conveying and loading operation, constructed in the 1950's, identified as emission unit 8SP1, using a baghouse for emission control, and exhausting to stack 1SP. The ash loading operation uses water spray for fugitive emission mitigation.

A.3 Specifically Regulated Insignificant Activities
[326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activity which is specifically regulated, as defined in 326 IAC 2-7-1(21):

Paved and unpaved roads and parking lots with public access [326 IAC 6-4].

A.4 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities:

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(b) Propane or liquified petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.

(c) Combustion source flame safety purging on start-up.

(d) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage

capacity less than or equal to 10,500 gallons.

(e) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 23,000 gallons per month.

(f) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(g) Machining where an aqueous cutting coolant continuously floods the machining interface.

(h) Degreasing operations that do not exceed 145 gallons per 12 months, and not subject to 326 IAC 20-6.

(i) Cleaners and solvents characterized as follows:

(1) having a vapor pressure equal to or less than 2 kPa; 15 mmHg; or 0.3 psi measured at 38 degrees C (100°F); or

(2) having a vapor pressure equal to or less than 0.7 kPa; 5 mmHg; or 0.1 psi measured at 20 degrees C (68°F);

the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(j) Closed loop heating and cooling systems.

(k) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.

(l) Water based adhesives that are less than or equal to 5% by volume of VOCs, excluding HAPs.

(m) Noncontact cooling tower systems with natural draft cooling towers not regulated under a NESHAP.

(n) Replacement or repair of electrostatic precipitators, bags in baghouses, and filters in other filtrations equipment.

(o) Heat exchanger cleaning and repair.

(p) Process vessel degreasing and cleaning to prepare for internal repairs.

(q) Underground conveyors.

(r) Coal bunker and coal scale exhausts and associated dust collector vents.

(s) Asbestos abatement projects regulated by 326 IAC 14-10.

(t) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.

(u) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(v) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.

(w) Stationary fire pumps.

(x) Purge double block and bleed valves.

(y) Filter or coalescer media changeout.

(z) Vents from ash transport systems not operated at positive pressure.

(aa) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(bb) Emission units with PM and PM10 emissions less than five (5) tons per year, SO2, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year, consisting of:

(1) One (1) acetic anhydride storage tank.

(2) One (1) Hoffman vacuum system, for housekeeping.

(3) One (1) elevator/railcar pest control/fumigation.

(4) One (1) Millfeed storage bin, 22EX.

(5) One (1) Flake drag air brake fan, 15EX.

(6) One (1) Coal receiving operation, 6SP.

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T003-23640-00005, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "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.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) The "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)

Facsimile Number: 317-233-6865

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

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

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T003-23640-00005 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit.
[326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)

77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

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

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

(a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 (for sources located in NA areas).

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]

(a) The requirements to obtain a source modification approval under 326 IAC 2-7-10.5 ora permit modification under326 IAC 2-7-12 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.

(b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

B.26 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) and 326 IAC 4-1-6 are not federally enforceable.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. 326 IAC Sections 1(c), 2, 3(c), 3(d), 4, 5(a), 5(b), and 5(d) are not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of

326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.8 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on October 3, 2002.

(b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

(c) If there is a "project" (as defined in 326 IAC 2-2-1 (qq)) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and/or 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Grain Drying Facilities

(a) Truck Dump #2, identified as 1EL1, constructed in 1980, using a baghouse for particulate matter (PM) control, and exhausting to stack 1EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(b) The following grain elevator East Workhouse components, together identified as 2EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 2EL, consisting of:

(1) One (1) dryer megatex enclosed conveyor, constructed in 1979;

(2) One (1) dryer rotex, constructed prior to 1977;

(3) One (1) screening bin hammermill, constructed in 1978;

(4) One (1) #1 scalperator, constructed prior to 1977;

(5) One (1) #2 scalperator, constructed prior to 1977;

(6) One (1) #3 scalperator, constructed prior to 1977;

(7) One (1) ext. screening bin, constructed prior to 1977;

(8) One (1) screening bin, constructed prior to 1977;

(9) One (1) solvent screening leg, constructed prior to 1977;

(10) One (1) #1 leg, constructed prior to 1977;

(11) One (1) #2 leg, constructed prior to 1977;

(12) One (1) #3 leg, constructed prior to 1977;

(13) One (1) west to east Hi-Roller, constructed prior to 1977;

(14) One (1) west to east belt loader, constructed prior to 1977;

(15) One (1) dry bean leg, constructed prior to 1977;

(16) One (1) #1 dryer Hi-Roller, constructed prior to 1977;

(17) One (1) weaver's belt, constructed prior to 1977;and

(18) One (1) 102 belt, constructed prior to 1977.

(c) The following grain elevator components, together identified as 5EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 5EL, consisting of:

(1) One (1) north tripper buggy, constructed prior to 1977;

(2) One (1) north galley belt loader, constructed prior to 1977;

(3) One (1) east west belt, constructed prior to 1977;and

(4) One (1) bin 102, constructed prior to 1977.

(d) One (1) north west receiving house enclosed conveyor identified as 8EL1, constructed prior to 1977, using oil suppressant for PM control, with no aspiration.

(e) The following grain elevator components together identified as 10EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 10EL, consisting of:

(1) One (1) rail loadout, constructed in 1984. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD;

(2) One (1) rail receiving, constructed in 1960;

(3) One (1) north leg, constructed prior to 1960; and

(4) One (1) south leg, constructed prior to 1960.

(f) The following grain elevator components together identified as 14EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 14EL, consisting of:

(1) One (1) jumbo silo east galley belt, constructed prior to 1977;

(2) One (1) jumbo silo west galley belt, constructed prior to 1977; and

(3) One (1) jumbo silo crossover galley belt, constructed prior to 1977.

(g) One (1) natural gas fired grain dryer #2, identified as 19EL1, constructed in 1995, using self-cleaning screens for PM control, and exhausting to vent 19EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(h) One (1) truck dump #7, identified as 20EL1, constructed in 1997, consisting of one (1) weigh scale truck unloading pit, and two (2) enclosed bucket elevator legs, using two (2) baghouses in parallel for PM control, and exhausting to stack 20EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(q) One (1) natural gas fired grain dryer #1, identified as 16EL1, constructed in 1986, using self-cleaning screens for PM control, and exhausting to stack 16EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 PSD Minor Limits [326 IAC 2-2]

(a) Pursuant to CP 001-4673-00005, issued May 10, 1996, and AA 001-9930-00005, issued September 17, 1998:

(1) The amount of soybean grains processed after the grain dryers shall be limited to less than 1,368,750 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, and

(2) The PM emissions from emission unit 19EL1 shall be limited to less than 1.36 pounds per hour and the PM10 emissions from emission unit 19EL1 shall be limited to less than 0.283 pounds per hour.

These limits, in combintion with the limits in Condition D.2.1, restrict the net increases of PM and PM10 emissions from the modification in 1996 to below the PSD significant levels of twenty-five (25) and fifteen (15) tons per year, respectively. This will render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the modification performed in 1996.

D.1.2 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the particulate matter (PM) from the following units shall be limited by the equation following this table:

Unit	Description
2EL1	Dryer Megatex Conveyor, Dryer Rotex, Screening Bin Hammermill, #1, #2, and #3 Scalperators, Screening Bins, Solvent Screening Leg, #1 Leg, #2 Leg, #3 Leg, West to East Hi-Roller, West to East Belt Loader, Dry Bean Leg, #1 Dryer Roller, Weaver's Belt, 102 Belt
5EL1	North Tripper Buggy, North Galley Belt Loader, East West Belt, Bin 102
8EL1	North West Receiving House Conveyor
10EL1	Rail Receiving, North Leg, South Leg
14EL1	Jumbo Silo East and West Galley Belts, Jumbo Silo Crossover Galley Belt
16EL1	Grain Dryer #1
19EL1	Grain Dryer #2

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

The individual limitations are included in an IDEM, OAQ confidential file because the process weight rates are considered confidential.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their control devices.

Compliance Determination Requirements

D.1.4 Particulate Matter (PM) [40 CFR 64 (CAM)]

(a) In order to comply with Conditions D.1.1 and D.1.2, the baghouses for particulate control shall be in operation and control emissions from 1EL1, 2EL1, 5EL1, 10EL1, 14EL1, and 20EL1 at all times that these processes are in operation.

(b) In order to comply with Conditions D.1.1 and D.1.2, the self-cleaning screens for PM control shall be in operation and control emissions from 19EL1 and 16 EL1 at all times that these processes are in operation.

(c) In order to comply with Conditions D.1.1 and D.1.2, dust control oil shall be applied on all grain received at the dump pits serving the emission units identified as 2EL1, 5EL1, 8EL1, 10EL1, and 14EL1.

(d) In the event that bag failure is observed in a multi-compartment baghouse, if operations

will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.5 Visible Emissions Notations [40 CFR 64 (CAM)]

(a) Daily visible emission notations of the grain handling and grain drying stack exhausts/vents (1EL, 2EL, 5EL, 10EL, 14EL, 19EL, 20EL, 16EL) shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.6 Parametric Monitoring [40 CFR 64 (CAM)]

The Permittee shall record the pressure drop across the baghouses used in conjunction with 1EL1, 2EL1, 5EL1, 10EL1, 14EL1, and 20EL1 at least once per day when these facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 10.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions and Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.7 Broken or Failed Bag Detection [40 CFR 64 (CAM)]

(a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in emissions unit. Operations may continue only if the event

qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.8 Record Keeping Requirements

(a) To document compliance with Condition D.1.1, the Permittee shall maintain monthly records of the amount of soybean grains processed after the grain dryers.

(b) To document compliance with Condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the grain handling processes' stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.1.6, the Permittee shall maintain a daily record of the pressure drop across the baghouses controlling the grain handling processes. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.9 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1(a)(1) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

New Source Performance Standards [326 IAC 2-7-5(1)]

D.1.10 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

(a) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the affected facilities described in this section except when otherwise specified in 40 CFR Part 60, Subpart DD.

(b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

D.1.11 New Source Performance Standards for Grain Elevators [326 IAC 12] [40 CFR 60, Subpart DD]

Pursuant to 40 CFR 60, Subpart DD, the Permittee shall comply with the provisions of 40 CFR 60, Subpart DD, which are incorporated by reference as 326 IAC 12 for the emission units identifed as truck dump #2 (1EL1), rail loadout (10EL1), and truck dump #7 (20EL1) as specified

as follows:

New Source Performance Standards for Grain Elevators

§ 60.300 Applicability and designation of affected facility.
(a) The provisions of this subpart apply to each affected facility at any grain terminal elevator or any grain storage elevator, except as provided under §60.304(b). The affected facilities are each truck unloading station, truck loading station, barge and ship unloading station, barge and ship loading station, railcar loading station, railcar unloading station, grain dryer, and all grain handling operations.

(b) Any facility under paragraph (a) of this section which commences construction, modification, or reconstruction after August 3, 1978, is subject to the requirements of this part.

[43 FR 34347, Aug. 3, 1978, as amended at 52 FR 42434, Nov. 5, 1988]

§ 60.301 Definitions.
As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

(a) Grain means corn, wheat, sorghum, rice, rye, oats, barley, and soybeans.

(b) Grain elevator means any plant or installation at which grain is unloaded, handled, cleaned, dried, stored, or loaded.

(c) Grain terminal elevator means any grain elevator which has a permanent storage capacity of more than 88,100 m3 (ca. 2.5 million U.S. bushels), except those located at animal food manufacturers, pet food manufacturers, cereal manufacturers, breweries, and livestock feedlots.

(d) Permanent storage capacity means grain storage capacity which is inside a building, bin, or silo.

(e) Railcar means railroad hopper car or boxcar.

(f) Grain storage elevator means any grain elevator located at any wheat flour mill, wet corn mill, dry corn mill (human consumption), rice mill, or soybean oil extraction plant which has a permanent grain storage capacity of 35,200 m3 (ca. 1 million bushels).

(g) Process emission means the particulate matter which is collected by a capture system.

(h) Fugitive emission means the particulate matter which is not collected by a capture system and is released directly into the atmosphere from an affected facility at a grain elevator.

(i) Capture system means the equipment such as sheds, hoods, ducts, fans, dampers, etc. used to collect particulate matter generated by an affected facility at a grain elevator.

(j) Grain unloading station means that portion of a grain elevator where the grain is transferred from a truck, railcar, barge, or ship to a receiving hopper.

(k) Grain loading station means that portion of a grain elevator where the grain is transferred from the elevator to a truck, railcar, barge, or ship.

(l) Grain handling operations include bucket elevators or legs (excluding legs used to unload barges or ships), scale hoppers and surge bins (garners), turn heads, scalpers, cleaners, trippers, and the headhouse and other such structures.

(m) Column dryer means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in one or more continuous packed columns between two perforated

metal sheets.

(n) Rack dryer means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in a cascading flow around rows of baffles (racks).

(o) Unloading leg means a device which includes a bucket-type elevator which is used to remove grain from a barge or ship.

[43 FR 34347, Aug. 3, 1978, as amended at 65 FR 61759, Oct. 17, 2000]

§ 60.302 Standard for particulate matter.
(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility except a grain dryer any process emission which:

(1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).

(2) Exhibits greater than 0 percent opacity.

(c) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any fugitive emission from:

(1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.

(2) Any grain handling operation which exhibits greater than 0 percent opacity.

(3) Any truck loading station which exhibits greater than 10 percent opacity.

(4) Any barge or ship loading station which exhibits greater than 20 percent opacity.

§ 60.303 Test methods and procedures.
(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of this section.

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.302 as follows:

(1) Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters.

(2) Method 2 shall be used to determine the ventilation volumetric flow rate.

(3) Method 9 and the procedures in §60.11 shall be used to determine opacity.

(c) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For Method 5, Method 17 may be used.

[54 FR 6674, Feb. 14, 1989]

§ 60.304 Modifications.
(a) The factor 6.5 shall be used in place of “annual asset guidelines repair allowance percentage,” to determine whether a capital expenditure as defined by §60.2 has been made to an existing facility.

(b) The following physical changes or changes in the method of operation shall not by themselves be considered a modification of any existing facility:

(1) The addition of gravity loadout spouts to existing grain storage or grain transfer bins.

(2) The installation of automatic grain weighing scales.

(3) Replacement of motor and drive units driving existing grain handling equipment.

(4) The installation of permanent storage capacity with no increase in hourly grain handling capacity.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Soybean Meal Production Facilities

(i) Silo bin vents, identified as 3EL1, constructed prior to 1977, using soybean oil as a dust suppressant, and exhausting to vent 3EL.

(j) Silo direct loadout, identified as 4EL1, constructed prior to 1977, using soybean oil as a dust suppressant.

(k) One (1) south tripper buggy, one (1) south galley belt loader, and one (1) north south belt, identified as 6EL1, all constructed prior to 1977, using a baghouse and oil suppressant for PM control, and exhausting to stack 6EL.

(l) One (1) south west receiving house enclosed conveyor, identified as 7EL1, constructed prior to 1977, using oil suppressant for PM control with no aspiration.

(m) One (1) truck dump #3, identified as 9EL1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 9EL.

(n) One (1) truck dump #5, identified as 12EL1, constructed prior to 1977, using a baghouse for PM control, and exhausting to stack 12EL.

(o) One (1) jumbo silo east tunnel belt, one (1) jumbo silo west tunnel belt, and one (1) jumbo silo crossover tunnel belt, identified as 13EL1, all constructed prior to 1977, using a baghouse and oil suppressant for PM control, and exhausting to stack 13EL.

(p) One (1) truck dump #6, identified as 15EL1, constructed prior to 1977, using a baghouse for PM control, and exhausting to stack 15EL.

(r) Two (2) natural gas fired grain dryers, #4 and #5, identified as 17EL1, constructed in the 1960's, using self-cleaning screens for PM control, and exhausting to vent 17EL.

(s) One (1) Lec. Dept. filter aid unit, identified as 204RO1, constructed in 1980, using a baghouse for PM control, and exhausting to stack 204RO.

(t) Daily use bins, identified as 102EO1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 102EO.

(u) Filter aid silos, identified as 103EO1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 103EO.

(w) Salt conveying, identified as 4SP1, constructed in 1981, using a baghouse for PM control, and exhausting to stack 4SP.

(x) Six (6) flaking rolls, #1, #2, #3, #4, #5, and #6, constructed in 1996, and B flake n/s drag, constructed in 1991, all identified together as 1EX1, using fabric filters for PM control, and exhausting to stack 1EX.

(y) One (1) flaking roll #14 and flaking roll discharge #14, identified as 1EX2, constructed in 1991, using fabric filters for PM control, and exhausting to stack 1EX.

(z) The following soybean processing equipment, together identified as 3EX1, sharing a cyclone with 3EX2 for PM control, and exhausting to stack 3EX, consisting of:

(1) Four (4) flaking rolls, #9, #10, #11, and #12, constructed in 1978;

(2) One (1) flaking roll #13, constructed in 1985;

(3) One (1) 'A' flake n/s drag, constructed in 1993; and

(4) One (1) 'A' flake e/w drag, constructed in 1993.

(aa) One (1) north run around drag, identified as 3EX2, constructed in 1984, sharing a cyclone with 3EX1, and exhausting to stack 3EX.

(bb) The following soybean processing equipment, together identified as 4EX1, sharing a baghouse with 4EX2 and 4EX3 for PM control, and exhausting to stack 4EX, consisting of:

(1) One (1) whole bean scale, constructed in 1989;

(2) One (1) 'A' whole bean leg, constructed in 1997;

(3) One (1) 'A' surge bin, constructed prior to 1979;

(4) One (1) whole bean drag, constructed in 1981; and

(5) One (1) 'B' surge bin, constructed prior to 1979.

(cc) A run around rework screw, identified as 4EX2, constructed in 1991, sharing a baghouse with 4EX1 and 4EX3 for PM control, and exhausting to stack 4EX.

(dd) The following soybean processing equipment, together identified as 4EX3, sharing a baghouse with 4EX1 and 4EX2 for PM control, and exhausting to stack 4EX, consisting of:

(1) One (1) hull refining screw conveyor, constructed in 1991;

(2) One (1) hull refining process, constructed in 1991; and

(3) One (1) hull grinding process, constructed in 1987.

(ee) Dehulling equipment, identified as 5EX1, constructed in 1997, sharing a baghouse with 5EX2 and 5EX3 for PM control, and exhausting to stack 5EX.

(ff) Hot dehulling equipment, identified as 5EX2, constructed in 1991, sharing a baghouse with 5EX1 and 5EX3 for PM control, and exhausting to stack 5EX.

(gg) Screening aspiration, identified as 5EX3, constructed in 1988, sharing a baghouse with 5EX1 and 5EX2 for PM control, and exhausting to stack 5EX.

(hh) Truck meal loadout and rail meal loadout, identified as 6EX1, constructed in 1982, replaced in 1999, with truck meal loadout using a baghouse for PM control, and exhausting to stack 6EX, and rail meal loadout using a choke loader for intrinsic PM control of fugitive emissions.

(ii) The following soybean processing equipment, together identified as 7EX1, using a baghouse for PM control, and exhausting to stack 7EX, consisting of:

(1) One (1) north megamill, constructed in 1993;

(2) One (1) south megamill, constructed in 1993; and

(3) One (1) stedman grinder, constructed in 1983.

(jj) One (1) leg No. 2, one (1) mixing conveyor, and one (1) bin drag, together identified as 9EX1, all constructed in 1983, using a baghouse for PM control, and exhausting to stack 9EX.

(kk) The following soybean processing equipment, together identified as 10EX1, using a baghouse for PM control, and exhausting to stack 10EX, consisting of:

(1) One (1) leg No. 3, constructed in the 1950's;

(2) One (1) tunnel drag, constructed in 1983; and

(3) One (1) meal loadout drag, constructed in 1982.

(ll) One (1) kaolin bin, identified as 11EX1, constructed in the 1950's, using a baghouse for PM control, and exhausting to stack 11EX.

(nn) One (1) belt to storage bowls, one (1) large storage bowl, and one (1) small storage bowl, identified as 16EX1, 16EX2, and 16EX3, respectively, all constructed in 1982, with no PM control, and exhausting to stack 16EX.

(oo) Whole bean bins, identified as 18EX1, constructed in the 1940's, with no PM control, and exhausting to stack 18EX.

(pp) Meal storage silos with bin vents, identified as 23EX1, constructed in the 1950's, and one (1) bin vent filter, exhausting to stack 23EX.

(qq) One (1) zinc receiving bin, identified as 25EX1, constructed in 1994, sharing a bin vent filter with 25EX2 for PM control, and exhausting to stack 25EX.

(rr) One (1) zinc surge bin, identified as 25EX2, constructed in 1994, sharing a bin vent filter with 25EX1 for PM control, and exhausting to stack 25EX.

(ss) One (1) rumen conveyor, identified as 8EX1, constructed in 1994, using a cyclone for PM control, and exhausting to stack 8EX.

(tt) One (1) rotary reactor, identified as 27EX1, constructed in the 1994, using a cyclone for PM control, and exhausting to stack 27EX.

(uu) Rumen loadout bins, identified as 29EX1, constructed in 1994, using a bin vent filter for PM control, and exhausting to stack 29EX.

(vv) Rumen rework surge bin, identified as 30EX1, constructed in 1994, using a fabric filter for PM control, and exhausting to stack 30EX.

(bbb) One (1) hexane extraction system, identified collectively as 24EX, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EXA. For reporting purposes, all hexane emissions are collectively accounted for in the total hexane losses named 24EX.

(1) One (1) ‘A’ unit, identified as 24 EX1, consisting of 'A' pre-DT, constructed in 1996, ‘A’ DT, constructed in 1980, and the 'A' Meal Dryer, constructed in 1980. 'A' pre-DT is on top of and feeds the ‘A’ DT, which is on top of and feeds the ‘A’ Meal Dryer. The ‘A’ pre-DT and the 'A' DT exhaust to the hexane solvent reclaim system. The ‘A’ Meal

Dryer uses a cyclone for PM control, and exhausts to stack 24EX1. Hexane emissions are reported in 24EX.

(2) One (1) 'B' unit, identified as 24EX2, consisting of 'B' pre-DT, constructed in 1996, 'B' DT, constructed in 1980, and the 'B' Meal Dryer, constructed in 1980. 'B' pre-DT is on top of and feeds the 'B' DT which is on top of and feeds the 'B' Meal Dryer. The 'B' pre-DT and the 'B' DT exhaust to the hexane solvent reclaim system. The 'B' Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX2. Hexane emissions are reported in 24EX.

(3) One meal cooler, identified as 24EX3, constructed in 1996, using two (2) cyclones for PM control, exhausting to stacks 24EX3A and 24EX3B, respectively, with hexane emissions reported in 24EX.

(ccc) The following soybean processing equipment, identified as 17EX2, modified in 1987, using a cyclone for PM control, and exhausting to stack 17EX, consisting of:

(1) One (1) flaking roll #8, constructed in 1981; and

(2) One (1) 'B' flake e/w drag, constructed in 1980.

(ddd) Two (2) conditioners identified as 31EX1 and 31EX2 constructed in 2002, and exhausting internally.

(eee) One (1) enclosed pneumatic ash conveying and loading operation, constructed in the 1950's, identified as emission unit 8SP1, using a baghouse for emission control, and exhausting to stack 1SP. The ash loading operation uses water spray for fugitive emission mitigation.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Minor Limits [326 IAC 2-2]

Pursuant to CP 001-4673-00005, issued May 10, 1996, and AA 001-9930-00005, issued September 17, 1998:

(a) The amount of soybean grains processed after the grain dryers shall be limited to less than 1,368,750 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, and

(b) The PM and PM10 emissions shall be limited as follows:

EU ID	Stack ID	PM Limit (lb/hr)	PM10 Limit (lb/hr)
19EL1	19EL	1.36	0.283
1EX1, 1EX2	1EX	0.474	0.474
4EX1, 4EX2, 4EX3	4EX	1.441	1.441
5EX1, 5EX2, 5EX3	5EX	1.676	1.676
7EX1	7EX	0.346	0.346
24EX1	24EX1	6.79	6.79
24EX2	24EX2	6.79	6.79
24EX3	24EX3A, 24EX3B	2.18, each	2.18, each
23EX1	23EX	0.021	0.021
6EX1	6EX	2.218	2.218

These limits, in combintion with the limits in Condition D.1.1, restrict the net increases of PM and

PM10 emissions from the modification in 1996 to below the PSD significant levels of twenty-five (25) and fifteen (15) tons per year, respectively. This will render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the modification performed in 1996.

D.2.2 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the particulate matter (PM) from the following emission units shall be limited by the equation(s) following this table:

Unit	Description
3EL1	Silo Bin Vents
4EL1	Silo Direct Loadout
6EL1	South Tripper Buggy, South Galley Belt Loader, North South Belt
7EL1	South West Receiving House Conveyor
8EL1	North West Receiving House Enclosed Conveyor
9EL1	Truck Dump #3
12EL1	Truck Dump #5
13EL1	Jumbo Silo East Tunnel Belt, Jumbo Silo West Tunnel Belt, Jumbo Silo Crossover Tunnel Belt
15EL1	Truck Dump #6
17EL1	Grain Dryer #4 and #5
19EL1	Grain Dryer #2
204RO1	Lec. Dept. Filter Aid Unit
102EO1	Daily Use Bins
103EO1	Filter Aid Silos
4SP1	Salt Conveying
1EX1	Flaking Rolls #1, #2, #3, #4, #5, #6, B Flake N/S Drag
1EX2	Flaking Roll #14, Flaking Roll Discharge #14
2EX1	‘A’ Conditioner
3EX1	Flaking Rolls #9, #10, #11, #12, #13, ‘A’ Flake N/S Drag, ‘A’ Flake E/W Drag
3EX2	North Run Around Drag
4EX1	Whole Bean Scale, ‘A’ Whole Bean Leg, ‘A’ Surge Bin, Whole Bean Drag, ‘B’ Surge Bin
4EX2	Run Around Rework Screw
4EX3	Hull Refining Screw Conveyor, Hull Refining Process, Hull Grinding Process
5EX1	Dehulling Equipment
5EX2	Hot Dehulling Equipment
5EX3	Screening
6EX1	Truck Meal Loadout, Rail Meal Loadout
7EX1	North Megamill, South Megamill, Stedman Grinder
9EX1	Leg No. 2, Mixing Conveyor, Bin Drag
10EX1	Leg No.3, Tunnel Drag, Meal Loadout Drag
11EX1	Kaolin Bin
12EX1	Meal Loadout Bin
24EX1	'A' Unit ('A' pre-DT, 'A' DT, and 'A' Meal Dryer)
24EX2	'B' Unit ('B' pre-DT, 'B' DT, and 'B' Meal Dryer)
24EX3	Meal Cooler
16EX1	Belt to Storage Bowls
16EX2	Large Storage Bowl
16EX3	Small Storage Bowl
18EX1	Whole Bean Bins

Unit	Description
23EX1	Meal Storage Silos
25EX1	Zinc Receiving Bin
25EX2	Zinc Surge Bin
27EX1	Rotary Reactor
8EX1	Rumen Conveyor
29EX1	Rumen Loadout Bins
30EX1	Rumen Rework Surge Bin
8SP1	Ash Conveying and Loading Operation
17EX2	Flaking Roll #8, 'B' Flake E/W Drag
31EX1	Conditioner
31EX2	Conditioner

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

The individual limitations are included in an IDEM, OAQ confidential file because the process weight rates are considered confidential.

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their control devices.

Compliance Determination Requirements

D.2.4 Particulate Matter (PM) [40 CFR 64 (CAM)]

(a) In order to comply with Conditions D.2.1 and D.2.2, the baghouses, filters, and cyclones for PM control shall be in operation and control emissions from the listed facilities at all times that these facilities are in operation.

(b) In order to comply with Conditions D.2.1 and D.2.2, dust control oil shall be applied on all grain received at the dump pits serving the emission units identified as 3EL1, 4EL1, 6EL1, 7EL1, and 13 EL1.

(c) In order to comply with Conditions D.2.1 and D.2.2, the self-cleaning screens for PM control shall be in operation and control emissions from the grain dryers #4 and #5 (17EL1) at all times that these facilities are in operation.

(d) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.2.5 Visible Emissions Notations [40 CFR 64 (CAM)]

(a) Daily visible emission notations of the grain handling, grain drying, and soybean meal production stack exhausts/vents (3EL, 6EL, 9EL, 12EL, 13EL, 15EL, 17EL, 204RO, 102EO, 103EO, 4SP, 1EX, 2EX, 3EX, 4EX, 5EX, 6EX, 7EX, 9EX, 10EX, 11EX, 12EX, 24EX1, 24EX2, 16EX, 18EX, 24EX3A, 24EX3B, 23EX, 25EX, 27EX, 8EX, 29EX, 30EX, 1SP, and 17EX) shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.2.6 Parametric Monitoring [40 CFR 64 (CAM)]

The Permittee shall record the pressure drop across the baghouses used in conjunction with 6EL1, 9EL1, 12EL1, 13EL1, 15EL1, 204RO1, 102EO1, 103EO1, 4SP1, 4EX1, 4EX2, 4EX3, 5EX1, 5EX2, 5EX3, 6EX1, 7EX1, 9EX1, 10EX1, 11EX1, 12EX1, and 8SP1 at least once per day when these facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 12.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions and Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.2.7 Broken or Failed Bag Detection [40 CFR 64 (CAM)]

(a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency

provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

D.2.8 Cyclone Failure Detection [40 CFR 64 (CAM)]

In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.9 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain monthly records of the amount of soybean grains processed after the grain dryers.

(b) To document compliance with Condition D.2.5, the Permittee shall maintain a daily record of visible emission notations of the grain handling and soybean meal production processes' stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.2.6, the Permittee shall maintain a daily record of the pressure drop across the baghouses controlling the grain handling and soybean meal production processes. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.1(a)(1) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Boilers and Heaters

(v) One (1) natural gas fired hydrogen generator furnace, identified as 107EO1, constructed in 1992, with a maximum heat input capacity of 25.2 MMBtu/hr, and exhausting to stack 107EO.

(ww) One (1) natural gas fired steam generator, identified as 110EO1, constructed in 2002, with a maximum heat input capacity of 14 MMBtu/hr, and exhausting to stack 110EO. This is an affected facility under the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.

(xx) One (1) natural gas fired steam generator #3, identified as 108EO1, constructed in 1994, with a maximum heat input capacity of 14 MMBtu/hr, and exhausting to stack 108EO. This is an affected facility under the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.

(yy) One (1) B & W coal fired boiler, identified as 1SP1, constructed in 1950, using multiple cyclones and a baghouse for control of particulate and HAPs, and exhausting to stack 1SP.

(zz) One (1) Keeler coal fired boiler, identified as 2SP1, constructed in 1963, using multiple cyclones and a baghouse for control of particulate and HAPs, and exhausting to stack 1SP.

(aaa) One (1) Murray natural gas fired, vegetable oil-fired, waste oil-fired, and hazardous chemical fired boiler, identified as 3SP1, constructed in 1968, and exhausting to stack 1SP.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Particulate Matter Limitation (PM) [326 IAC 6-2-3] [326 IAC 6-2-4]

(a) Pursuant to 326 IAC 6-2-3(d) (Particulate Emission Limitations for Sources of Indirect Heating), the particulate matter (PM) emissions from the boilers identified as 1SP1, 2SP1, and 3SP1 shall each be limited to less than 0.8 pounds per MMBtu of heat input. The emission limit was calculated by the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

Where

C = max ground level concentration (= 50 µm/m3)
Pt = emission rate limit (lbs/MMBtu)
Q = total source heat input capacity (MMBtu/hr) = 271 MMBtu
N = number of stacks = 1
a = plume rise factor = 0.67
h = stack height (ft) = 184

(b) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Source of Indirect Heating), the particulate matter (PM) emissions from the boiler identified as 107EO1 shall be limited to less than 0.25 pounds per MMBtu of heat input.

(c) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Source of Indirect Heating), the particulate matter (PM) emissions from the boiler identified as 108EO1 shall

be limited to less than 0.245 pounds per MMBtu of heat input.

(d) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Source of Indirect Heating), the particulate matter (PM) emissions from the boiler identified as 110EO1 shall be limited to less than 0.24 pounds per MMBtu of heat input.

The emission limits for boilers 107EO1, 108EO1, and 110EO1 were calculated by the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where Pt = emission rate limit (lbs/MMBtu)
Q = total source heat input capacity (MMBtu/hr)

D.3.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1-2(a)(1), (Sulfur Dioxide Emission Limitations) the sulfur dioxide emissions from the B&W boiler (1SP1) and the Keeler boiler (2SP1), when combusting coal, shall be less than 6.0 pounds per MMBtu each. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their control devices

Compliance Determination Requirements

D.3.4 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 2-7-5(3)(A)] [326 IAC 2-7-6]

(a) Pursuant to 326 IAC 7-2-1(c)(2), The Permittee shall submit quarterly reports of the calendar month average coal sulfur content, coal heat content, the sulfur dioxide emission rate in pounds per MMBtu, and the total monthly coal consumption.

(b) Pursuant to 326 IAC 7-2-1(e), coal sampling and analysis data shall be collected pursuant to the procedures specified in 326 IAC 3-7-2(b) or 326 IAC 3-7-3 as follows:

(1) Minimum Coal Sampling Requirements and Analysis Methods:

(A) The coal sample acquisition point shall be at a location where representative samples of the total coal flow to be combusted by the facility or facilities may be obtained. A single as-bunkered or as-burned sampling station may be used to represent the coal to be combusted by multiple facilities using the same stockpile feed system;

(B) Coal shall be sampled at least one (1) time per day;

(C) Minimum sample size shall be five hundred (500) grams;

(D) Samples shall be composited and analyzed at the end of each calendar month;

(E) Preparation of the coal sample, heat content analysis, and sulfur content analysis shall be determined pursuant to 326 IAC 3-7-2(c); or

(2) Sample and analyze the coal pursuant to 326 IAC 3-7-3.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.5 Visible Emissions Notations

(a) Visible emission notations of the boiler's (1SP1, 2SP1, 3SP1) stack exhaust (1SP) shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) Section C - Response to Excursions or Exceedances for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C – Excursions and Exceedances shall be considered a deviation from this permit.

D.3.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with 1SP1 and 2SP1 at least once per day when these boilers are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 12.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions and Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.3.7 Broken or Failed Bag Detection

(a) For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse’s pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

D.3.8 Cyclone Failure Detection

In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emission unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.9 Record Keeping Requirements

(a) To document compliance with Conditions D.3.2 and D.3.4, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the PM and SO_2 emission limits established in Conditions D.3.2 and D.3.4.

(1) Calendar dates covered in the compliance determination period; and;

(2) Actual coal usage since last compliance determination period; and;

(3) Sulfur content, heat content, and ash content; and;

(4) Sulfur dioxide emission rates; and;

(5) Independent laboratory analysis of coal.

(b) To document compliance with Condition D.3.5, the Permittee shall maintain a daily record of visible emission notations of the boiler's stack exhaust (SP1). The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

(c) To document compliance with Condition D.3.6, the Permittee shall maintain a daily record of the pressure drop across the baghouses controlling the boilers. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.3.2 and D.3.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

New Source Performance Standards (NSPS) Requirements [326 IAC 2-8-4(1)]

D.3.11 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1

for steam generators 110EO1 and 108EO1, except as otherwise specified in 40 CFR Part 60, Subpart Dc.

(b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

D.3.12 Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, which are incorporated by reference as 326 IAC 12, for steam generators 110EO1 and 108EO1 as follows:

New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units

§ 60.40c Applicability and delegation of authority.
(a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million Btu per hour (Btu/hr)) or less, but greater than or equal to 2.9 MW (10 million Btu/hr).

(b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, §60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

§ 60.41c Definitions.
As used in this subpart, all terms not defined herein shall have the meaning given them in the Clean Air Act and in subpart A of this part.

Annual capacity factor means the ratio between the actual heat input to a steam generating unit from an individual fuel or combination of fuels during a period of 12 consecutive calendar months and the potential heat input to the steam generating unit from all fuels had the steam generating unit been operated for 8,760 hours during that 12-month period at the maximum design heat input capacity. In the case of steam generating units that are rented or leased, the actual heat input shall be determined based on the combined heat input from all operations of the affected facility during a period of 12 consecutive calendar months.

Coal means all solid fuels classified as anthracite, bituminous, subbituminous, or lignite by the American Society of Testing and Materials in ASTM D388–77, 90, 91, 95, or 98a, Standard Specification for Classification of Coals by Rank (IBR—see §60.17), coal refuse, and petroleum coke. Coal-derived synthetic fuels derived from coal for the purposes of creating useful heat, including but not limited to solvent refined coal, gasified coal, coal-oil mixtures, and coal-water mixtures, are also included in this definition for the purposes of this subpart.

Coal refuse means any by-product of coal mining or coal cleaning operations with an ash content greater than 50 percent (by weight) and a heating value less than 13,900 kilojoules per kilogram (kJ/kg) (6,000 Btu per pound (Btu/lb) on a dry basis.

Cogeneration steam generating unit means a steam generating unit that simultaneously produces both

electrical (or mechanical) and thermal energy from the same primary energy source.

Combined cycle system means a system in which a separate source (such as a stationary gas turbine, internal combustion engine, or kiln) provides exhaust gas to a steam generating unit.

Combustion research means the experimental firing of any fuel or combination of fuels in a steam generating unit for the purpose of conducting research and development of more efficient combustion or more effective prevention or control of air pollutant emissions from combustion, provided that, during these periods of research and development, the heat generated is not used for any purpose other than preheating combustion air for use by that steam generating unit (i.e., the heat generated is released to the atmosphere without being used for space heating, process heating, driving pumps, preheating combustion air for other units, generating electricity, or any other purpose).

Conventional technology means wet flue gas desulfurization technology, dry flue gas desulfurization technology, atmospheric fluidized bed combustion technology, and oil hydrodesulfurization technology.

Distillate oil means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396–78, 89, 90, 92, 96, or 98, “Standard Specification for Fuel Oils” (incorporated by reference—see §60.17).

Dry flue gas desulfurization technology means a sulfur dioxide (SO2) control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a dry powder material. This definition includes devices where the dry powder material is subsequently converted to another form. Alkaline reagents used in dry flue gas desulfurization systems include, but are not limited to, lime and sodium compounds.

Duct burner means a device that combusts fuel and that is placed in the exhaust duct from another source (such as a stationary gas turbine, internal combustion engine, kiln, etc.) to allow the firing of additional fuel to heat the exhaust gases before the exhaust gases enter a steam generating unit.

Emerging technology means any SO2control system that is not defined as a conventional technology under this section, and for which the owner or operator of the affected facility has received approval from the Administrator to operate as an emerging technology under §60.48c(a)(4).

Federally enforceable means all limitations and conditions that are enforceable by the Administrator, including the requirements of 40 CFR Parts 60 and 61, requirements within any applicable State implementation plan, and any permit requirements established under 40 CFR 52.21 or under 40 CFR 51.18 and 40 CFR 51.24.

Fluidized bed combustion technology means a device wherein fuel is distributed onto a bed (or series of beds) of limestone aggregate (or other sorbent materials) for combustion; and these materials are forced upward in the device by the flow of combustion air and the gaseous products of combustion. Fluidized bed combustion technology includes, but is not limited to, bubbling bed units and circulating bed units.

Fuel pretreatment means a process that removes a portion of the sulfur in a fuel before combustion of the fuel in a steam generating unit.

Heat input means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).

Heat transfer medium means any material that is used to transfer heat from one point to another point.

Maximum design heat input capacity means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical

design and characteristics of the steam generating unit.

Natural gas means (1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane, or (2) liquefied petroleum (LP) gas, as defined by the American Society for Testing and Materials in ASTM D1835–86, 87, 91, or 97, “Standard Specification for Liquefied Petroleum Gases” (incorporated by reference—see §60.17).

Noncontinental area means the State of Hawaii, the Virgin Islands, Guam, American Samoa, the Commonwealth of Puerto Rico, or the Northern Mariana Islands.

Oil means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate oil and residual oil.

Potential sulfur dioxide emission rate means the theoretical SO2emissions (nanograms per joule [ng/J], or pounds per million Btu [lb/million Btu] heat input) that would result from combusting fuel in an uncleaned state and without using emission control systems.

Process heater means a device that is primarily used to heat a material to initiate or promote a chemical reaction in which the material participates as a reactant or catalyst.

Residual oil means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396–78, 89, 90, 92, 96, or 98, “Standard Specification for Fuel Oils” (incorporated by reference—see §60.17).

Steam generating unit means a device that combusts any fuel and produces steam or heats water or any other heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.

Steam generating unit operating day means a 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for fuel to be combusted continuously for the entire 24-hour period.

Wet flue gas desulfurization technology means an SO2control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a liquid material. This definition includes devices where the liquid material is subsequently converted to another form. Alkaline reagents used in wet flue gas desulfurization systems include, but are not limited to, lime, limestone, and sodium compounds.

Wet scrubber system means any emission control device that mixes an aqueous stream or slurry with the exhaust gases from a steam generating unit to control emissions of particulate matter (PM) or SO2.

Wood means wood, wood residue, bark, or any derivative fuel or residue thereof, in any form, including but not limited to sawdust, sanderdust, wood chips, scraps, slabs, millings, shavings, and processed pellets made from wood or other forest residues.

[55 FR 37683, Sept. 12, 1990, as amended at 61 FR 20736, May 8, 1996; 65 FR 61752, Oct. 17, 2000; 71 FR 9884, Feb. 27, 2006]

§ 60.48c Reporting and recordkeeping requirements.
(a) The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by §60.7 of this part. This notification shall include:

(1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

(g) The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day. The owner or operator of an affected facility that only burns very low sulfur fuel oil or other liquid or gaseous fuels with potential sulfur dioxide emissions rate of 140 ng/J (0.32 lb/MMBtu) heat input or less shall record and maintain records of the fuels combusted during each calendar month.

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

[55 FR 37683, Sept. 12, 1990, as amended at 64 FR 7465, Feb. 12, 1999; 65 FR 61753, Oct. 17, 2000; 71 FR 9886, Feb. 27, 2006]

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Hexane Extraction System

(bbb) One (1) hexane extraction system, identified collectively as 24EX, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EXA. For reporting purposes, all hexane emissions are collectively accounted for in the total hexane losses named 24EX.

(1) One (1) ‘A’ unit, identified as 24 EX1, consisting of 'A' pre-DT, constructed in 1996, ‘A’ DT, constructed in 1980, and the 'A' Meal Dryer, constructed in 1980. 'A' pre-DT is on top of and feeds the ‘A’ DT, which is on top of and feeds the ‘A’ Meal Dryer. The ‘A’ pre-DT and the 'A' DT exhaust to the hexane solvent reclaim system. The ‘A’ Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX1. Hexane emissions are reported in 24EX.

(2) One (1) ‘B’ unit, identified as 24EX2, consisting of 'B' pre-DT, constructed in 1996, 'B' DT, constructed in 1980, and the 'B' Meal Dryer, constructed in 1980. 'B' pre-DT is on top of and feeds the ‘B’ DT which is on top of and feeds the ‘B’ Meal Dryer. The 'B' pre-DT and the ‘B’ DT exhaust to the hexane solvent reclaim system. The ‘B’ Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX2. Hexane emissions are reported in 24EX.

(3) One meal cooler, identified as 24EX3, constructed in 1996, using two (2) cyclones for PM control, exhausting to stacks 24EX3A and 24EX3B, respectively, with hexane emissions reported in 24EX.

(4) Two (2) hexane storage tanks, identified as 24EX4A and 24EX4B, constructed in 1995 and 2005, respectively, with emissions vented to the mineral oil absorber inlet, with hexane emissions reported in 24EX.

(5) One (1) wastewater system, identified as 24 EX5, constructed prior to 1980, containing traces of hexane, exhausting to the extraction hot water separation pit, with hexane emissions reported in 24EX.

(6) One (1) refined oil hot well, identified as 24 EX6, constructed in 1975, with hexane emissions reported in 24EX.

(7) One (1) sampling /hexane unloading port, identified as 24 EX7, with hexane emissions reported in 24EX.

(8) Oil tanks containing non-deodorized oil, identified as 24EX8, venting to the atmosphere, with hexane emissions reported at 24EX.

The hexane extraction system (24EX, consisting of 24EX1 through 24EX8) are affected facilities under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 PSD Limit [326 IAC 2-2]

Pursuant to CP (002) 2005, issued August 23, 1991, the hexane usage for all of the oil extraction facilities (24EX, consisting of 24EX1 through 24EX8) combined shall be limited to less than 330,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month, to ensure that the increase in hexane emissions from these units remains below 39.2 tons per year. This will ensure that 326 IAC 2-2 (Prevention of Significant Deterioration) does not apply to this modification.

D.4.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.

Compliance Determination Requirements

D.4.3 Volatile Organic Compounds (VOC)

In order to comply with Condition D.4.1, the mineral oil absorber for VOC control shall be in operation and control emissions from the listed facilities at all times when the facilities are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.4.4 Monitoring

To document compliance with Condition D.4.1, the mineral oil absorption vent VOC (hexane) emission rate shall be determined daily by measuring the airflow rate and the concentration of hexane in the air stream. This concentration will be determined daily by measuring percent Lower Explosive Limit (LEL). If the air flow meter proves unreliable, airflow can be determined by calculations.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.5 Record Keeping Requirements

(a) To document compliance with Condition D.4.1, the Permittee shall maintain records of the hexane usage for the oil extraction facilities.

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.4.6 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.4.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

Consent Decree

D.4.7 Consent Decree Limits, Compliance, and Record Keeping Requirements

(a) As used in this section, "Consent Decree" shall mean the consent decree entered on January 16, 2007, in Civil Action No. 2:06-CV-02209, United States District Court for the Central District of Illinois, in which the Permittee and IDEM were parties.

(b) The provisions of this subsection are designed to ensure compliance with the final volatile

organic compound solvent loss ratio requirements of the consent decree entered into between the Permittee and IDEM on October 26, 2006. Nothing in this subsection is intended to expand, restrict or otherwise alter the obligations imposed on The Permittee by the consent decree.

(c) The VOC solvent loss ratio (SLR) for this facility shall be 0.15 gallons of solvent lost per ton of oilseed processed for conventional soybean processing at this existing source. To determine compliance with the VOC SLR limit, the Permittee shall maintain a Compliance Ratio of less than or equal to 1.0, which compliance ratio shall be calculated as follows:

Compliance Ratio = Actual Solvent Loss (gal) / Allowable Solvent Loss (gal)

Where:

Actual Solvent Loss (gal) = Gallons of solvent loss during previous 12 operating months
Allowable Solvent Loss = Oilseed (tons) * VOC Solvent Loss Ratio
Oilseed (tons) = Tons of each oilseed processed during the previous 12 operating months
VOC Solvent Loss Ratio (SLR) = 0.15 gallons per ton of oilseed

(d) Solvent losses and quantities of oilseed processed during startup and shutdown periods shall not be excluded in determining solvent losses.

(e) For purposes of calculating SLR, the Permittee may apply the provisions of 40 CFR Part 63, Subpart GGGG, pertaining to malfunction periods when both of the following conditions are met:

(1) The malfunction results in a total plant shutdown, which means a shutdown of the solvent extraction system; and

(2) The total amount of solvent loss to which the provisions of 40 CFR Part 63, Subpart GGGG relating to malfunctions is applied in a rolling 12-month period does not exceed the Allowable Malfunction Volume as determined below. The Allowable Malfunction Volume in gallons is equal to the facility's 12-month Crush capacity times its final VOC SLR limit (0.15 gal/ton) times 0.024, as follows:

Allowable Malfunction Volume (gal) =12-month Crush capacity (tons) * Final VOC SLR limit (0.15 gal/ton) * 0.024

Except as otherwise set forth herein, the Permittee shall include all solvent losses when determining compliance with the VOC SLR limits. The total solvent loss corresponding to a malfunction period shall be calculated as the difference in the solvent inventory, as defined in 40 CFR 63.2862(c)(1), for the day before the malfunction period began and the solvent inventory on the day the plant resumes normal operation. During a malfunction period, the facility shall comply with the Startup, Shutdown, Malfunction (SSM) Plan as required under Subpart GGGG.

(f) To document compliance with the Consent Decree, the Permittee shall maintain the following records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC SLR limits established in paragraph (c) above. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The amount of oilseed processed, in tons, on a monthly basis.

(2) The total solvent loss due to malfunction, in gallons, for each month.

(3) The total solvent loss during normal operations, in gallons, for each month.

(4) The adjusted solvent loss (total solvent loss - allowable malfunction volume), in gallons, for each month.

(5) The solvent loss ratio.

National Emission Standards for Hazardous Air Pollutants Requirements [326 IAC 2-7-5(1)]

D.4.8 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.7565, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1 for the hexane extraction system (24EX) and associated equipment, including 24EX1, 24EX2, 24EX3, 24EX4, 24EX5, 24EX6, 24EX7, and 24EX8, as specified in Appendix A of 40 CFR Part 63, Subpart GGGG in accordance with schedule in 40 CFR 63 Subpart GGGG.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

D.4.9 National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production Requirements [40 CFR Part 63, Subpart GGGG] [326 IAC 20-60]

Pursuant to CFR Part 63, Subpart GGGG, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart GGGG for the hexane extraction system (24EX) and associated equipment, including 24EX1, 24EX2, 24EX3, 24EX4, 24EX5, 24EX6, 24EX7, and 24EX8, as specified as follows.

National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production

What This Subpart Covers

§ 63.2830 What is the purpose of this subpart?
This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for emissions during vegetable oil production. This subpart limits hazardous air pollutant (HAP) emissions from specified vegetable oil production processes. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission standards.

§ 63.2831 Where can I find definitions of key words used in this subpart?
You can find definitions of key words used in this subpart in §63.2872.

§ 63.2832 Am I subject to this subpart?
(a) You are an affected source subject to this subpart if you meet all of the criteria listed in paragraphs (a)(1) and (2) of this section:

(1) You own or operate a vegetable oil production process that is a major source of HAP emissions or is

collocated within a plant site with other sources that are individually or collectively a major source of HAP emissions.

(i) A vegetable oil production process is defined in §63.2872. In general, it is the collection of continuous process equipment and activities that produce crude vegetable oil and meal products by removing oil from oilseeds listed in Table 1 to §63.2840 through direct contact with an organic solvent, such as a hexane isomer blend.

(ii) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year.

(2) Your vegetable oil production process processes any combination of eight types of oilseeds listed in paragraphs (a)(2)(i) through (viii) of this section:

(i) Corn germ;

(ii) Cottonseed;

(iii) Flax;

(iv) Peanut;

(v) Rapeseed (for example, canola);

(vi) Safflower;

(vii) Soybean; and

(viii) Sunflower.

(b) You are not subject to this subpart if your vegetable oil production process meets any of the criteria listed in paragraphs (b)(1) through (4) of this section:

(1) It uses only mechanical extraction techniques that use no organic solvent to remove oil from a listed oilseed.

(2) It uses only batch solvent extraction and batch desolventizing equipment.

(3) It processes only agricultural products that are not listed oilseeds as defined in §63.2872.

(4) It functions only as a research and development facility and is not a major source.

(c) As listed in §63.1(c)(5) of the General Provisions, if your HAP emissions increase such that you become a major source, then you are subject to all of the requirements of this subpart.

§ 63.2833 Is my source categorized as existing or new?
(a) This subpart applies to each existing and new affected source. You must categorize your vegetable oil production process as either an existing or a new source in accordance with the criteria in Table 1 of this section, as follows:

Table 1 to §63.2833—Categorizing Your Source as Existing or New

If your affected source...	And if...	Then your affected source...
(1) was constructed or began construction before May 26, 2000	reconstruction has not occurred	is an existing source.
(2) began reconstruction, as defined in §63.2, on or after May 26, 2000	(i) reconstruction was part of a scheduled plan to comply with the existing source requirements of this subpart; and (ii) reconstruction was completed no later than 3 years after the effective date of this subpart	remains an existing source.
(3) began a significant modification, as defined in §63.2872, at any time on an existing source	the modification does not constitute reconstruction	remains an existing source.

(d) Changes in the type of oilseed processed by your affected source does not affect the categorization of your source as new or existing. Recategorizing an affected source from existing to new occurs only when you add or modify process equipment within the source which meets the definition of reconstruction.

§ 63.2834 When do I have to comply with the standards in this subpart?
You must comply with this subpart in accordance with one of the schedules in Table 1 of this section, as follows:

Table 1 of §63.2834—Compliance Dates for Existing and New Sources

If your affected source is categorized as...	And if...	Then your compliance date is...
(a) an existing source		3 years after the effective date of this subpart.

Standards

§ 63.2840 What emission requirements must I meet?
For each facility meeting the applicability criteria in §63.2832, you must comply with either the requirements specified in paragraphs (a) through (d), or the requirements in paragraph (e) of this section.

(a)(1) The emission requirements limit the number of gallons of HAP lost per ton of listed oilseeds processed. For each operating month, you must calculate a compliance ratio which compares your actual HAP loss to your allowable HAP loss for the previous 12 operating months as shown in Equation 1 of this section. An operating month, as defined in §63.2872, is any calendar month in which a source processes a listed oilseed, excluding any entire calendar month in which the source operated under an initial startup period subject to §63.2850(c)(2) or (d)(2) or a malfunction period subject to §63.2850(e)(2). Equation 1 of this section follows:

$$\text{Compliance Ratio} = \frac{\text{Actual Hap Loss}}{\text{Allowable Hap Loss}} \qquad (Eq.\ 1)$$

(2) Equation 1 of this section can also be expressed as a function of total solvent loss as shown in Equation 2 of this section. Equation 2 of this section follows:

$$\text{Compliance Ratio} = \frac{f * \text{Actual Solvent Loss}}{0.64 * \sum_{i=1}^{n}\left((\text{Oilseed})_i * (\text{SLF})_i\right)} \qquad (Eq.\ 2)$$

Where:

f = The weighted average volume fraction of HAP in solvent received during the previous 12 operating months, as determined in §63.2854, dimensionless.

0.64 = The average volume fraction of HAP in solvent in the baseline performance data, dimensionless.

Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months, as determined in §63.2853.

Oilseed = Tons of each oilseed type “i” processed during the previous 12 operating months, as shown in §63.2855.

SLF = The corresponding solvent loss factor (gal/ton) for oilseed “i” listed in Table 1 of this section, as follows:

Table 1 of §63.2840—Oilseed Solvent Loss Factors for Determining Allowable HAP Loss

Type of oilseed process	A source that...	Oilseed solvent loss factor (gal/ton)	
		Existing sources	New sources
(i) Corn Germ, Wet Milling	processes corn germ that has been separated from other corn components using a “wet” process of centrifuging a slurry steeped in a dilute sulfurous acid solution	0.4	0.3
(ii) Corn Germ, Dry Milling	processes corn germ that has been separated from the other corn components using a “dry” process of mechanical chafing and air sifting	0.7	0.7
(iii) Cottonseed, Large	processes 120,000 tons or more of a combination of cottonseed and other listed oilseeds during all normal operating periods in a 12 operating month period	0.5	0.4
(iv) Cottonseed, Small	processes less than 120,000 tons of a combination of cottonseed and other listed oilseeds during all normal operating periods in a 12 operating month period	0.7	0.4
(v) Flax	processes flax	0.6	0.6
(vi) Peanuts	processes peanuts	1.2	0.7
(vii) Rapeseed	processes rapeseed	0.7	0.3
(viii) Safflower	processes safflower	0.7	0.7
(ix) Soybean, Conventional	uses a conventional style desolventizer to produce crude soybean oil products and soybean animal feed products	0.2	0.2
(x) Soybean, Specialty	uses a special style desolventizer to produce soybean meal products for human and animal consumption	1.7	1.5
(xi) Soybean, Combination Plant with Low Specialty Production	processes soybeans in both specialty and conventional desolventizers and the quantity of soybeans processed in specialty desolventizers during normal operating periods is less than 3.3 percent of total soybeans processed during all normal operating periods in a 12 operating month period. The corresponding solvent loss factor is an overall value and applies to the total quantity of soybeans processed.	0.25	0.25
(xii) Sunflower	processes sunflower	0.4	0.3

(b) When your source has processed listed oilseed for 12 operating months, calculate the compliance ratio by the end of each calendar month following an operating month using Equation 2 of this section. When calculating your compliance ratio, consider the conditions and exclusions in paragraphs (b)(1) through (6) of this section:

(1) If your source processes any quantity of listed oilseeds in a calendar month and the source is not operating under an initial startup period or malfunction period subject to §63.2850, then you must categorize the month as an operating month, as defined in §63.2872.

(2) The 12-month compliance ratio may include operating months occurring prior to a source shutdown and operating months that follow after the source resumes operation.

(3) If your source shuts down and processes no listed oilseed for an entire calendar month, then you must categorize the month as a nonoperating month, as defined in §63.2872. Exclude any nonoperating months from the compliance ratio determination.

(4) If your source is subject to an initial startup period as defined in §63.2872, exclude from the compliance ratio determination any solvent and oilseed information recorded for the initial startup period.

(5) If your source is subject to a malfunction period as defined in §63.2872, exclude from the compliance ratio determination any solvent and oilseed information recorded for the malfunction period.

(6) For sources processing cottonseed or specialty soybean, the solvent loss factor you use to determine the compliance ratio may change each operating month depending on the tons of oilseed processed during all normal operating periods in a 12 operating month period.

(c) If the compliance ratio is less than or equal to 1.00, your source was in compliance with the HAP emission requirements for the previous operating month.

(d) To determine the compliance ratio in Equation 2 of this section, you must select the appropriate oilseed solvent loss factor from Table 1 of this section. First, determine whether your source is new or existing using Table 1 of §63.2833. Then, under the appropriate existing or new source column, select the oilseed solvent loss factor that corresponds to each type oilseed or process operation for each operating month.

[66 FR 19011, Apr. 12, 2001, as amended at 69 FR 53341, Sept. 1, 2004]

Compliance Requirements

§ 63.2850 How do I comply with the hazardous air pollutant emission standards?
(a) General requirements. The requirements in paragraphs (a)(1)(i) through (iv) of this section apply to all affected sources:

(1) Submit the necessary notifications in accordance with §63.2860, which include:

(i) Initial notifications for existing sources.

(ii) Initial notifications for new and reconstructed sources.

(iii) Initial notifications for significant modifications to existing or new sources.

(iv) Notification of compliance status.

(2) Develop and implement a plan for demonstrating compliance in accordance with §63.2851.

(3) Develop a written startup, shutdown and malfunction (SSM) plan in accordance with the provisions in

§63.2852.

(4) Maintain all the necessary records you have used to demonstrate compliance with this subpart in accordance with §63.2862.

(5) Submit the reports in paragraphs (a)(5)(i) through (iii) of this section:

(i) Annual compliance certifications in accordance with §63.2861(a).

(ii) Periodic SSM reports in accordance with §63.2861(c).

(iii) Immediate SSM reports in accordance with §63.2861(d).

(6) Submit all notifications and reports and maintain all records required by the General Provisions for performance testing if you add a control device that destroys solvent.

(b) Existing sources under normal operation. You must meet all of the requirements listed in paragraph (a) of this section and Table 1 of this section for sources under normal operation, and the schedules for demonstrating compliance for existing sources under normal operation in Table 2 of this section.

(e) Existing or new sources experiencing a malfunction. A malfunction is defined in §63.2. In general, it means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or process equipment to function in a usual manner. If your existing or new source experiences an unscheduled shutdown as a result of a malfunction, continues to operate during a malfunction (including the period reasonably necessary to correct the malfunction), or starts up after a shutdown resulting from a malfunction, then you must meet the requirements associated with one of two compliance options. Routine or scheduled process startups and shutdowns resulting from, but not limited to, market demands, maintenance activities, and switching types of oilseed processed, are not startups or shutdowns resulting from a malfunction and, therefore, do not qualify for this provision. Within 15 days of the beginning date of the malfunction, you must choose to comply with one of the options listed in paragraphs (e)(1) through (2) of this section:

(1) Normal operation. Your source must meet all of the requirements listed in paragraph (a) of this section and one of the options listed in paragraphs (e)(1)(i) through (iii) of this section:

(i) Existing source normal operation requirements in paragraph (b) of this section.

(ii) New source normal operation requirements in paragraph (c)(1) of this section.

(iii) Normal operation requirements for sources that have been significantly modified in paragraph (d)(1) of this section.

(2) Malfunction period. Throughout the malfunction period, you must meet all of the requirements listed in paragraph (a) of this section and Table 1 of this section for sources operating during a malfunction period. At the end of the malfunction period, your source must then meet all of the requirements listed in Table 1 of this section for sources under normal operation. Table 1 of this section follows:

Table 1 of §63.2850—Requirements for Compliance with HAP Emission Standards

Are you required to . . .	For periods of normal operation?	For initial startup periods subject to §63.2850(c)(2) or (d)(2)?	For malfunction periods subject to §63.2850(e)(2)?
(a) Operate and maintain your source in accordance with general duty provisions of §63.6(e)?	Yes. Additionally, the HAP emission limits will apply.	Yes, you are required to minimize emissions to the extent practible throughout the initial startup period. Such measures should be described in the SSM plan.	Yes, you are required to minimize emissions to the extent practible throughout the initial startup period. Such measures should be described in the SSM plan.
(b) Determine and record the extraction solvent loss in gallons from your source?	Yes, as described in §63.2853	Yes, as described in §63.2862(e)	Yes, as described in §63.2862(e).
(c) Record the volume fraction of HAP present at greater than 1 percent by volume and gallons of extraction solvent in shipment received?	Yes	Yes	Yes.
(d) Determine and record the tons of each oilseed type processed by your source?	Yes, as described in §63.2855	No	No.
(e) Determine the weighted average volume fraction of HAP in extraction solvent received as described in §63.2854 by the end of the following calendar month?	Yes	No. Except for solvent received by a new or reconstructed source commencing operation under an initial startup period, the HAP volume fraction in any solvent received during an initial startup period is included in the weighted average HAP determination for the next operating month	No, the HAP volume fraction in any solvent received during a malfunction period is included in the weighted average HAP determination for the next operating month.
(f) Determine and record the actual solvent loss, weighted average volume fraction HAP, oilseed processed and compliance ratio for each 12 operating month period as described in §63.2840 by the end of the following calendar month?	Yes,	No, these requirements are not applicable because your source is not required to determine the compliance ratio with data recorded for an initial startup period	No, these requirements are not applicable because your source is not required to determine the compliance ratio with data recorded for a malfunction period.
(g) Submit a Notification of Compliance Status or Annual Compliance Certification as appropriate?	Yes, as described in §§63.2860(d) and 63.2861(a)	No. However, you may be required to submit an annual compliance certification for previous operating months, if the deadline for the annual compliance certification happens to occur during the initial startup period	No. However, you may be required to submit an annual compliance certification for previous operating months, if the deadline for the annual compliance certification happens to occur during the

Are you required to . . .	For periods of normal operation?	For initial startup periods subject to §63.2850(c)(2) or (d)(2)?	For malfunction periods subject to §63.2850(e)(2)?
			malfunction period.
(h) Submit a Deviation Notification Report by the end of the calendar month following the month in which you determined that the compliance ratio exceeds 1.00 as described in §63.2861(b)?	Yes	No, these requirements are not applicable because your source is not required to determine the compliance ratio with data recorded for an initial startup period	No, these requirements are not applicable because your source is not required to determine the compliance ratio with data recorded for a malfunction period.
(i) Submit a Periodic SSM Report as described in §63.2861(c)?	No, a SSM activity is not categorized as normal operation	Yes	Yes.
(j) Submit an Immediate SSM Report as described in §63.2861(d)?	No, a SSM activity is not categorized as normal operation	Yes, only if your source does not follow the SSM plan	Yes, only if your source does not follow the SSM plan.

Table 2 of §63.2850—Schedules for Demonstrating Compliance Under Various Source Operating Modes

If your source is . . .	and is operating under. . .	then your recordkeeping schedule. . .	You must determine your first compliance ratio by the end of the calendar month following. . .	Base your first compliance ratio on information recorded. . .
(a) Existing	Normal operation	Begins on the compliance date	The first 12 operating months after the compliance date	During the first 12 operating months after the compliance date.
(b) New	(1) Normal operation	Begins on the startup date of your new source	The first 12 operating months after the startup date of the new source	During the first 12 operating months after the startup date of the new source.
	(2) An initial startup period	Begins on the startup date of your new source	The first 12 operating months after termination of the initial startup period, which can last for up to 6 months	During the first 12 operating months after the initial startup period, which can last for up to 6 months.
(c) Existing or new that has been significantly modified	(1) Normal operation	Resumes on the startup date of the modified source	The first operating month after the startup date of the modified source	During the previous 11 operating months prior to the significant modification and the first operating month following the initial startup date of the source.
	(2) An initial startup period	Resumes on the startup date of the modified source	The first operating month after termination of the initial startup period, which can last up to 3 months	During the 11 operating months before the significant modification and the first operating month after the initial startup period.

[66 FR 19011, Apr. 12, 2001, as amended at 71 FR 20463, Apr. 20, 2006]

§ 63.2851 What is a plan for demonstrating compliance?
(a) You must develop and implement a written plan for demonstrating compliance that provides the detailed procedures you will follow to monitor and record data necessary for demonstrating compliance with this subpart. Procedures followed for quantifying solvent loss from the source and amount of oilseed processed vary from source to source because of site-specific factors such as equipment design characteristics and operating conditions. Typical procedures include one or more accurate measurement methods such as weigh scales, volumetric displacement, and material mass balances. Because the industry does not have a uniform set of procedures, you must develop and implement your own site-specific plan for demonstrating compliance before the compliance date for your source. You must also incorporate the plan for demonstrating compliance by reference in the source's title V permit and keep the plan on-site and readily available as long as the source is operational. If you make any changes to the plan for demonstrating compliance, then you must keep all previous versions of the plan and make them readily available for inspection for at least 5 years after each revision. The plan for demonstrating compliance must include the items in paragraphs (a)(1) through (7) of this section:

(1) The name and address of the owner or operator.

(2) The physical address of the vegetable oil production process.

(3) A detailed description of all methods of measurement your source will use to determine your solvent losses, HAP content of solvent, and the tons of each type of oilseed processed.

(4) When each measurement will be made.

(5) Examples of each calculation you will use to determine your compliance status. Include examples of how you will convert data measured with one parameter to other terms for use in compliance determination.

(6) Example logs of how data will be recorded.

(7) A plan to ensure that the data continue to meet compliance demonstration needs.

(b) The responsible agency of these NESHAP may require you to revise your plan for demonstrating compliance. The responsible agency may require reasonable revisions if the procedures lack detail, are inconsistent or do not accurately determine solvent loss, HAP content of the solvent, or the tons of oilseed processed.

§ 63.2852 What is a startup, shutdown, and malfunction plan?
You must develop a written SSM plan in accordance with §63.6(e)(3). You must complete the SSM plan before the compliance date for your source. You must also keep the SSM plan on-site and readily available as long as the source is operational. The SSM plan provides detailed procedures for operating and maintaining your source to minimize emissions during a qualifying SSM event for which the source chooses the §63.2850(e)(2) malfunction period, or the §63.2850(c)(2) or (d)(2) initial startup period. The SSM plan must specify a program of corrective action for malfunctioning process and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions. Some or all of the procedures may come from plans you developed for other purposes such as a Standard Operating Procedure manual or an Occupational Safety and Health Administration Process Safety Management plan. To qualify as a SSM plan, other such plans must meet all the applicable requirements of these NESHAP.

[66 FR 19011, Apr. 12, 2001, as amended at 67 FR 16321, Apr. 5, 2002; 71 FR 20463, Apr. 20, 2006]

§ 63.2853 How do I determine the actual solvent loss?
By the end of each calendar month following an operating month, you must determine the total solvent loss in gallons for the previous operating month. The total solvent loss for an operating month includes all

solvent losses that occur during normal operating periods within the operating month. If you have determined solvent losses for 12 or more operating months, then you must also determine the 12 operating months rolling sum of actual solvent loss in gallons by summing the monthly actual solvent loss for the previous 12 operating months. The 12 operating months rolling sum of solvent loss is the “actual solvent loss,” which is used to calculate your compliance ratio as described in §63.2840.

(a) To determine the actual solvent loss from your source, follow the procedures in your plan for demonstrating compliance to determine the items in paragraphs (a)(1) through (7) of this section:

(1) The dates that define each operating status period during a calendar month. The dates that define each operating status period include the beginning date of each calendar month and the date of any change in the source operating status. If the source maintains the same operating status during an entire calendar month, these dates are the beginning and ending dates of the calendar month. If, prior to the effective date of this rule, your source determines the solvent loss on an accounting month, as defined in §63.2872, rather than a calendar month basis, and you have 12 complete accounting months of approximately equal duration in a calendar year, you may substitute the accounting month time interval for the calendar month time interval. If you choose to use an accounting month rather than a calendar month, you must document this measurement frequency selection in your plan for demonstrating compliance, and you must remain on this schedule unless you request and receive written approval from the agency responsible for these NESHAP.

(2) Source operating status. You must categorize the operating status of your source for each recorded time interval in accordance with criteria in Table 1 of this section, as follows:

Table 1 of §63.2853—Categorizing Your Source Operating Status

If during a recorded time interval . . .	then your source operating status is . . .
(i) Your source processes any amount of listed oilseed and source is not operating under an initial startup operating period or a malfunction period subject to §63.2850(c)(2), (d)(2), or (e)(2)	A normal operating period.
(ii) Your source processes no agricultural product and your source is not operating under an initial startup period or malfunction period subject to §63.2850(c)(2), (d)(2), or (e)(2)	A nonoperating period.
(iii) You choose to operate your source under an initial startup period subject to §63.2850(c)(2) or (d)(2)	An initial startup period.
(iv) You choose to operate your source under a malfunction period subject to §63.2850(e)(2)	A malfunction period.
(v) Your source processes agricultural products not defined as listed oilseed	An exempt period

(3) Measuring the beginning and ending solvent inventory. You are required to measure and record the solvent inventory on the beginning and ending dates of each normal operating period that occurs during an operating month. An operating month is any calendar month with at least one normal operating period. You must consistently follow the procedures described in your plan for demonstrating compliance, as specified in §63.2851, to determine the extraction solvent inventory, and maintain readily available records of the actual solvent loss inventory, as described in §63.2862(c)(1). In general, you must measure and record the solvent inventory only when the source is actively processing any type of agricultural product. When the source is not active, some or all of the solvent working capacity is transferred to solvent storage tanks which can artificially inflate the solvent inventory.

(4) Gallons of extraction solvent received. Record the total gallons of extraction solvent received in each shipment. For most processes, the gallons of solvent received represents purchases of delivered solvent added to the solvent storage inventory. However, if your process refines additional vegetable oil from off-site sources, recovers solvent from the off-site oil, and adds it to the on-site solvent inventory, then you

must determine the quantity of recovered solvent and include it in the gallons of extraction solvent received.

(5) Solvent inventory adjustments. In some situations, solvent losses determined directly from the measured solvent inventory and quantity of solvent received is not an accurate estimate of the "actual solvent loss" for use in determining compliance ratios. In such cases, you may adjust the total solvent loss for each normal operating period as long as you provide a reasonable justification for the adjustment. Situations that may require adjustments of the total solvent loss include, but are not limited to, situations in paragraphs (a)(5)(i) and (ii) of this section:

(i) Solvent destroyed in a control device. You may use a control device to reduce solvent emissions to meet the emission standard. The use of a control device does not alter the emission limit for the source. If you use a control device that reduces solvent emissions through destruction of the solvent instead of recovery, then determine the gallons of solvent that enter the control device and are destroyed there during each normal operating period. All solvent destroyed in a control device during a normal operating period can be subtracted from the total solvent loss. Examples of destructive emission control devices include catalytic incinerators, boilers, or flares. Identify and describe, in your plan for demonstrating compliance, each type of reasonable and sound measurement method that you use to quantify the gallons of solvent entering and exiting the control device and to determine the destruction efficiency of the control device. You may use design evaluations to document the gallons of solvent destroyed or removed by the control device instead of performance testing under §63.7. The design evaluations must be based on the procedures and options described in §63.985(b)(1)(i)(A) through (C) or §63.11, as appropriate. All data, assumptions, and procedures used in such evaluations must be documented and available for inspection. If you use performance testing to determine solvent flow rate to the control device or destruction efficiency of the device, follow the procedures as outlined in §63.997(e)(1) and (2). Instead of periodic performance testing to demonstrate continued good operation of the control device, you may develop a monitoring plan, following the procedures outlined in §63.988(c) and using operational parametric measurement devices such as fan parameters, percent measurements of lower explosive limits, and combustion temperature.

(ii) Changes in solvent working capacity. In records you keep on-site, document any process modifications resulting in changes to the solvent working capacity in your vegetable oil production process. Solvent working capacity is defined in §63.2872. In general, solvent working capacity is the volume of solvent normally retained in solvent recovery equipment such as the extractor, desolventizer-toaster, solvent storage, working tanks, mineral oil absorber, condensers, and oil/solvent distillation system. If the change occurs during a normal operating period, you must determine the difference in working solvent volume and make a one-time documented adjustment to the solvent inventory.

(b) Use Equation 1 of this section to determine the actual solvent loss occurring from your affected source for all normal operating periods recorded within a calendar month. Equation 1 of this section follows:

$$\text{Monthly Actual Solvent (gal)} = \sum_{i=1}^{n} \left(SOLV_B - SOLV_E + SOLV_R \pm SOLV_A \right)_i \qquad (Eq.\ 1)$$

Where:

$SOLV_B$= Gallons of solvent in the inventory at the beginning of normal operating period "i" as determined in paragraph (a)(3) of this section.

$SOLV_E$= Gallons of solvent in the inventory at the end of normal operating period "i" as determined in paragraph (a)(3) of this section.

$SOLV_R$= Gallons of solvent received between the beginning and ending inventory dates of normal

operating period “i” as determined in paragraph (a)(4) of this section.

$SOLV_A$= Gallons of solvent added or removed from the extraction solvent inventory during normal operating period “i” as determined in paragraph (a)(5) of this section.

n = Number of normal operating periods in a calendar month.

(c) The actual solvent loss is the total solvent losses during normal operating periods for the previous 12 operating months. You determine your actual solvent loss by summing the monthly actual solvent losses for the previous 12 operating months. You must record the actual solvent loss by the end of each calendar month following an operating month. Use the actual solvent loss in Equation 2 of §63.2840 to determine the compliance ratio. Actual solvent loss does not include losses that occur during operating status periods listed in paragraphs (c)(1) through (4) of this section. If any one of these four operating status periods span an entire month, then the month is treated as nonoperating and there is no compliance ratio determination.

(1) Nonoperating periods as described in paragraph (a)(2)(ii) of this section.

(2) Initial startup periods as described in §63.2850(c)(2) or (d)(2).

(3) Malfunction periods as described in §63.2850(e)(2).

(4) Exempt operation periods as described in paragraph (a)(2)(v) of this section.

§ 63.2854 How do I determine the weighted average volume fraction of HAP in the actual solvent loss?

(a) This section describes the information and procedures you must use to determine the weighted average volume fraction of HAP in extraction solvent received for use in your vegetable oil production process. By the end of each calendar month following an operating month, determine the weighted average volume fraction of HAP in extraction solvent received since the end of the previous operating month. If you have determined the monthly weighted average volume fraction of HAP in solvent received for 12 or more operating months, then also determine an overall weighted average volume fraction of HAP in solvent received for the previous 12 operating months. Use the volume fraction of HAP determined as a 12 operating months weighted average in Equation 2 of §63.2840 to determine the compliance ratio.

(b) To determine the volume fraction of HAP in the extraction solvent determined as a 12 operating months weighted average, you must comply with paragraphs (b)(1) through (3) of this section:

(1) Record the volume fraction of each HAP comprising more than 1 percent by volume of the solvent in each delivery of solvent, including solvent recovered from off-site oil. To determine the HAP content of the material in each delivery of solvent, the reference method is EPA Method 311 of appendix A of this part. You may use EPA Method 311, an approved alternative method, or any other reasonable means for determining the HAP content. Other reasonable means of determining HAP content include, but are not limited to, a material safety data sheet or a manufacturer's certificate of analysis. A certificate of analysis is a legal and binding document provided by a solvent manufacturer. The purpose of a certificate of analysis is to list the test methods and analytical results that determine chemical properties of the solvent and the volume percentage of all HAP components present in the solvent at quantities greater than 1 percent by volume. You are not required to test the materials that you use, but the Administrator may require a test using EPA Method 311 (or an approved alternative method) to confirm the reported HAP content. However, if the results of an analysis by EPA Method 311 are different from the HAP content determined by another means, the EPA Method 311 results will govern compliance determinations.

(2) Determine the weighted average volume fraction of HAP in the extraction solvent each operating month. The weighted average volume fraction of HAP for an operating month includes all solvent

received since the end of the last operating month, regardless of the operating status at the time of the delivery. Determine the monthly weighted average volume fraction of HAP by summing the products of the HAP volume fraction of each delivery and the volume of each delivery and dividing the sum by the total volume of all deliveries as expressed in Equation 1 of this section. Record the result by the end of each calendar month following an operating month. Equation 1 of this section follows:

$$\begin{array}{c}\text{Monthly Weighted}\\ \textit{Average}\text{ HAP Content}\\ \text{of Extraction Solvent}\\ \text{(volume fraction)}\end{array} = \frac{\sum_{i=1}^{n}\left(\text{Received}_i * \textit{Content}_i\right)}{\textit{Total}\text{ Received}} \qquad (Eq.\ 1)$$

Where:

Received_i= Gallons of extraction solvent received in delivery “i.”

Content_i= The volume fraction of HAP in extraction solvent delivery “i.”

Total Received = Total gallons of extraction solvent received since the end of the previous operating month.

n = Number of extraction solvent deliveries since the end of the previous operating month.

(3) Determine the volume fraction of HAP in your extraction solvent as a 12 operating months weighted average. When your source has processed oilseed for 12 operating months, sum the products of the monthly weighted average HAP volume fraction and corresponding volume of solvent received, and divide the sum by the total volume of solvent received for the 12 operating months, as expressed by Equation 2 of this section. Record the result by the end of each calendar month following an operating month and use it in Equation 2 of §63.2840 to determine the compliance ratio. Equation 2 of this section follows:

$$\begin{array}{c}\text{12-Month Weighted}\\ \textit{Average}\text{ of HAP Content}\\ \text{in Solvent Received}\\ \text{(volume fraction)}\end{array} = \frac{\sum_{i=1}^{12}\left(\text{Received}_i * \textit{Content}_i\right)}{\textit{Total}\text{ Received}} \qquad (Eq.\ 2)$$

Where:

Received_i= Gallons of extraction solvent received in operating month “i” as determined in accordance with §63.2853(a)(4).

Content_i= Average volume fraction of HAP in extraction solvent received in operating month “i” as determined in accordance with paragraph (b)(1) of this section.

Total Received = Total gallons of extraction solvent received during the previous 12 operating months.

§ 63.2855 How do I determine the quantity of oilseed processed?
All oilseed measurements must be determined on an as received basis, as defined in §63.2872. The as received basis refers to the oilseed chemical and physical characteristics as initially received by the source and prior to any oilseed handling and processing. By the end of each calendar month following an operating month, you must determine the tons as received of each listed oilseed processed for the operating month. The total oilseed processed for an operating month includes the total of each oilseed

processed during all normal operating periods that occur within the operating month. If you have determined the tons of oilseed processed for 12 or more operating months, then you must also determine the 12 operating months rolling sum of each type oilseed processed by summing the tons of each type of oilseed processed for the previous 12 operating months. The 12 operating months rolling sum of each type of oilseed processed is used to calculate the compliance ratio as described in §63.2840.

(a) To determine the tons as received of each type of oilseed processed at your source, follow the procedures in your plan for demonstrating compliance to determine the items in paragraphs (a)(1) through (5) of this section:

(1) The dates that define each operating status period. The dates that define each operating status period include the beginning date of each calendar month and the date of any change in the source operating status. If, prior to the effective date of this rule, your source determines the oilseed inventory on an accounting month rather than a calendar month basis, and you have 12 complete accounting months of approximately equal duration in a calendar year, you may substitute the accounting month time interval for the calendar month time interval. If you choose to use an accounting month rather than a calendar month, you must document this measurement frequency selection in your plan for demonstrating compliance, and you must remain on this schedule unless you request and receive written approval from the agency responsible for these NESHAP. The dates on each oilseed inventory log must be consistent with the dates recorded for the solvent inventory.

(2) Source operating status. You must categorize the source operation for each recorded time interval. The source operating status for each time interval recorded on the oilseed inventory for each type of oilseed must be consistent with the operating status recorded on the solvent inventory logs as described in §63.2853(a)(2).

(3) Measuring the beginning and ending inventory for each oilseed. You are required to measure and record the oilseed inventory on the beginning and ending dates of each normal operating period that occurs during an operating month. An operating month is any calendar month with at least one normal operating period. You must consistently follow the procedures described in your plan for demonstrating compliance, as specified in §63.2851, to determine the oilseed inventory on an as received basis and maintain readily available records of the oilseed inventory as described by §63.2862(c)(3).

(4) Tons of each oilseed received. Record the type of oilseed and tons of each shipment of oilseed received and added to your on-site storage.

(5) Oilseed inventory adjustments. In some situations, determining the quantity of oilseed processed directly from the measured oilseed inventory and quantity of oilseed received is not an accurate estimate of the tons of oilseed processed for use in determining compliance ratios. For example, spoiled and molded oilseed removed from storage but not processed by your source will result in an overestimate of the quantity of oilseed processed. In such cases, you must adjust the oilseed inventory and provide a justification for the adjustment. Situations that may require oilseed inventory adjustments include, but are not limited to, the situations listed in paragraphs (a)(5)(i) through (v) of this section:

(i) Oilseed that mold or otherwise become unsuitable for processing.

(ii) Oilseed you sell before it enters the processing operation.

(iii) Oilseed destroyed by an event such as a process malfunction, fire, or natural disaster.

(iv) Oilseed processed through operations prior to solvent extraction such as screening, dehulling, cracking, drying, and conditioning; but that are not routed to the solvent extractor for further processing.

(v) Periodic physical measurements of inventory. For example, some sources periodically empty oilseed storage silos to physically measure the current oilseed inventory. This periodic measurement procedure typically results in a small inventory correction. The correction factor, usually less than 1 percent, may be

used to make an adjustment to the source's oilseed inventory that was estimated previously with indirect measurement techniques. To make this adjustment, your plan for demonstrating compliance must provide for such an adjustment.

(b) Use Equation 1 of this section to determine the quantity of each oilseed type processed at your affected source during normal operating periods recorded within a calendar month. Equation 1 of this section follows:

$$\text{Monthly Quantity of Each Oilseed Processed (tons)} = \sum_{n=1}^{n}\left(SEED_B - SEED_E + SEED_R \pm SEED_A\right) \qquad (Eq.\ 1)$$

Where:

$SEED_B$= Tons of oilseed in the inventory at the beginning of normal operating period “i” as determined in accordance with paragraph (a)(3) of this section.

$SEED_E$= Tons of oilseed in the inventory at the end of normal operating period “i” as determined in accordance with paragraph (a)(3) of this section.

$SEED_R$= Tons of oilseed received during normal operating period “i” as determined in accordance with paragraph (a)(4) of this section.

$SEED_A$= Tons of oilseed added or removed from the oilseed inventory during normal operating period “i” as determined in accordance with paragraph (a)(5) of this section.

n = Number of normal operating periods in the calendar month during which this type oilseed was processed.

(c) The quantity of each oilseed processed is the total tons of each type of listed oilseed processed during normal operating periods in the previous 12 operating months. You determine the tons of each oilseed processed by summing the monthly quantity of each oilseed processed for the previous 12 operating months. You must record the 12 operating months quantity of each type of oilseed processed by the end of each calendar month following an operating month. Use the 12 operating months quantity of each type of oilseed processed to determine the compliance ratio as described in §63.2840. The quantity of oilseed processed does not include oilseed processed during the operating status periods in paragraphs (c)(1) through (4) of this section:

(1) Nonoperating periods as described in §63.2853 (a)(2)(ii).

(2) Initial startup periods as described in §63.2850(c)(2) or (d)(2).

(3) Malfunction periods as described in §63.2850(e)(2).

(4) Exempt operation periods as described in §63.2853 (a)(2)(v).

(5) If any one of these four operating status periods span an entire calendar month, then the calendar month is treated as a nonoperating month and there is no compliance ratio determination.

Notifications, Reports, and Records

§ 63.2860 What notifications must I submit and when?
You must submit the one-time notifications listed in paragraphs (a) through (d) of this section to the responsible agency:

(a) Initial notification for existing sources. For an existing source, submit an initial notification to the agency responsible for these NESHAP no later than 120 days after the effective date of this subpart. In the notification, include the items in paragraphs (a)(1) through (5) of this section:

(1) The name and address of the owner or operator.

(2) The physical address of the vegetable oil production process.

(3) Identification of the relevant standard, such as the vegetable oil production NESHAP, and compliance date.

(4) A brief description of the source including the types of listed oilseeds processed, nominal operating capacity, and type of desolventizer(s) used.

(5) A statement designating the source as a major source of HAP or a demonstration that the source meets the definition of an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source.

(c) Significant modification notifications. Any existing or new source that plans to undergo a significant modification as defined in §63.2872 must submit two reports as described in paragraphs (c)(1) and (2) of this section:

(1) Initial notification. You must submit an initial notification to the agency responsible for these NESHAP 30 days prior to initial startup of the significantly modified source. The initial notification must demonstrate that the proposed changes qualify as a significant modification. The initial notification must include the items in paragraphs (c)(1)(i) and (ii) of this section:

(i) The expected startup date of the modified source.

(ii) A description of the significant modification including a list of the equipment that will be replaced or modified. If the significant modification involves changes other than adding or replacing extractors, desolventizer-toasters (conventional and specialty), and meal dryer-coolers, then you must also include the fixed capital cost of the new components, expressed as a percentage of the fixed capital cost to build a comparable new vegetable oil production process; supporting documentation for the cost estimate; and documentation that the proposed changes will significantly affect solvent losses.

(2) Notification of actual startup. You must submit a notification of actual startup date within 15 days after initial startup of the modified source. The notification must include the items in paragraphs (c)(2)(i) through (iv) of this section:

(i) The initial startup date of the modified source.

(ii) An indication whether you have elected to operate under an initial startup period subject to §63.2850(d)(2).

(iii) The anticipated duration of any initial startup period.

(iv) A justification for the anticipated duration of any initial startup period.

(d) Notification of compliance status. As an existing, new, or reconstructed source, you must submit a notification of compliance status report to the responsible agency no later than 60 days after determining your initial 12 operating months compliance ratio. If you are an existing source, you generally must submit this notification no later than 50 calendar months after the effective date of these NESHAP (36 calendar months for compliance, 12 operating months to record data, and 2 calendar months to complete the report). If you are a new or reconstructed source, the notification of compliance status is generally due no

later than 20 calendar months after initial startup (6 calendar months for the initial startup period, 12 operating months to record data, and 2 calendar months to complete the report). The notification of compliance status must contain the items in paragraphs (d)(1) through (6) of this section:

(1) The name and address of the owner or operator.

(2) The physical address of the vegetable oil production process.

(3) Each listed oilseed type processed during the previous 12 operating months.

(4) Each HAP identified under §63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 operating months period used for the initial compliance determination.

(5) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source.

(6) A compliance certification indicating whether the source complied with all of the requirements of this subpart throughout the 12 operating months used for the initial source compliance determination. This certification must include a certification of the items in paragraphs (d)(6)(i) through (iii) of this section:

(i) The plan for demonstrating compliance (as described in §63.2851) and SSM plan (as described in §63.2852) are complete and available on-site for inspection.

(ii) You are following the procedures described in the plan for demonstrating compliance.

(iii) The compliance ratio is less than or equal to 1.00.

§ 63.2861 What reports must I submit and when?
After the initial notifications, you must submit the reports in paragraphs (a) through (d) of this section to the agency responsible for these NESHAP at the appropriate time intervals:

(a) Annual compliance certifications. The first annual compliance certification is due 12 calendar months after you submit the notification of compliance status. Each subsequent annual compliance certification is due 12 calendar months after the previous annual compliance certification. The annual compliance certification provides the compliance status for each operating month during the 12 calendar months period ending 60 days prior to the date on which the report is due. Include the information in paragraphs (a)(1) through (6) of this section in the annual certification:

(1) The name and address of the owner or operator.

(2) The physical address of the vegetable oil production process.

(3) Each listed oilseed type processed during the 12 calendar months period covered by the report.

(4) Each HAP identified under §63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent received during the 12 calendar months period covered by the report.

(5) A statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source. An area source is a source that is not a major source and is not collocated within a plant site with other sources that are individually or collectively a major source.

(6) A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar months period covered by the report. For each such compliance determination, you must include a certification of the items in paragraphs (a)(6)(i) through (ii)

of this section:

(i) You are following the procedures described in the plan for demonstrating compliance.

(ii) The compliance ratio is less than or equal to 1.00.

(b) Deviation notification report. Submit a deviation report for each compliance determination you make in which the compliance ratio exceeds 1.00 as determined under §63.2840(c). Submit the deviation report by the end of the month following the calendar month in which you determined the deviation. The deviation notification report must include the items in paragraphs (b)(1) through (4) of this section:

(1) The name and address of the owner or operator.

(2) The physical address of the vegetable oil production process.

(3) Each listed oilseed type processed during the 12 operating months period for which you determined the deviation.

(4) The compliance ratio comprising the deviation. You may reduce the frequency of submittal of the deviation notification report if the agency responsible for these NESHAP does not object as provided in §63.10(e)(3)(iii).

(c) Periodic startup, shutdown, and malfunction report. If you choose to operate your source under an initial startup period subject to §63.2850(c)(2) or (d)(2) or a malfunction period subject to §63.2850(e)(2), you must submit a periodic SSM report by the end of the calendar month following each month in which the initial startup period or malfunction period occurred. The periodic SSM report must include the items in paragraphs (c)(1) through (3) of this section:

(1) The name, title, and signature of a source's responsible official who is certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the SSM plan.

(2) A description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial startup period or malfunction period.

(3) An estimate of the solvent loss during the initial startup or malfunction period with supporting documentation.

(d) Immediate SSM reports. If you handle a SSM during an initial startup period subject to §63.2850(c)(2) or (d)(2) or a malfunction period subject to §63.2850(e)(2) differently from procedures in the SSM plan and the relevant emission requirements in §63.2840 are exceeded, then you must submit an immediate SSM report. Immediate SSM reports consist of a telephone call or facsimile transmission to the responsible agency within 2 working days after starting actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event. The letter must include the items in paragraphs (d)(1) through (3) of this section:

(1) The name, title, and signature of a source's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM plan.

(2) A description and date of the SSM event, its duration, and reason it qualifies as a SSM.

(3) An estimate of the solvent loss for the duration of the SSM event with supporting documentation.

[66 FR 19011, Apr. 12, 2001, as amended at 67 FR 16321, Apr. 5, 2002]

§ 63.2862 What records must I keep?

(a) You must satisfy the recordkeeping requirements of this section by the compliance date for your source specified in Table 1 of §63.2834.

(b) Prepare a plan for demonstrating compliance (as described in §63.2851) and a SSM plan (as described in §63.2852). In these two plans, describe the procedures you will follow in obtaining and recording data, and determining compliance under normal operations or a SSM subject to the §63.2850(c)(2) or (d)(2) initial startup period or the §63.2850(e)(2) malfunction period. Complete both plans before the compliance date for your source and keep them on-site and readily available as long as the source is operational.

(c) If your source processes any listed oilseed, record the items in paragraphs (c)(1) through (5) of this section:

(1) For the solvent inventory, record the information in paragraphs (c)(1)(i) through (vii) of this section in accordance with your plan for demonstrating compliance:

(i) Dates that define each operating status period during a calendar month.

(ii) The operating status of your source such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval.

(iii) Record the gallons of extraction solvent in the inventory on the beginning and ending dates of each normal operating period.

(iv) The gallons of all extraction solvent received, purchased, and recovered during each calendar month.

(v) All extraction solvent inventory adjustments, additions or subtractions. You must document the reason for the adjustment and justify the quantity of the adjustment.

(vi) The total solvent loss for each calendar month, regardless of the source operating status.

(vii) The actual solvent loss in gallons for each operating month.

(2) For the weighted average volume fraction of HAP in the extraction solvent, you must record the items in paragraphs (c)(2)(i) through (iii) of this section:

(i) The gallons of extraction solvent received in each delivery.

(ii) The volume fraction of each HAP exceeding 1 percent by volume in each delivery of extraction solvent.

(iii) The weighted average volume fraction of HAP in extraction solvent received since the end of the last operating month as determined in accordance with §63.2854(b)(2).

(3) For each type of listed oilseed processed, record the items in paragraphs (c)(3)(i) through (vi) of this section, in accordance with your plan for demonstrating compliance:

(i) The dates that define each operating status period. These dates must be the same as the dates entered for the extraction solvent inventory.

(ii) The operating status of your source such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval. On the log for each type of listed oilseed that is not being processed during a normal operating period, you must record which type of listed oilseed is being processed in addition to the source operating status.

(iii) The oilseed inventory for the type of listed oilseed being processed on the beginning and ending

dates of each normal operating period.

(iv) The tons of each type of listed oilseed received at the affected source each normal operating period.

(v) All listed oilseed inventory adjustments, additions or subtractions for normal operating periods. You must document the reason for the adjustment and justify the quantity of the adjustment.

(vi) The tons of each type of listed oilseed processed during each operating month.

(d) After your source has processed listed oilseed for 12 operating months, and you are not operating during an initial startup period as described in §63.2850(c)(2) or (d)(2), or a malfunction period as described in §63.2850(e)(2), record the items in paragraphs (d)(1) through (5) of this section by the end of the calendar month following each operating month:

(1) The 12 operating months rolling sum of the actual solvent loss in gallons as described in §63.2853(c).

(2) The weighted average volume fraction of HAP in extraction solvent received for the previous 12 operating months as described in §63.2854(b)(3).

(3) The 12 operating months rolling sum of each type of listed oilseed processed at the affected source in tons as described in §63.2855(c).

(4) A determination of the compliance ratio. Using the values from §§63.2853, 63.2854, 63.2855, and Table 1 of §63.2840, calculate the compliance ratio using Equation 2 of §63.2840.

(5) A statement of whether the source is in compliance with all of the requirements of this subpart. This includes a determination of whether you have met all of the applicable requirements in §63.2850.

(e) For each SSM event subject to an initial startup period as described in §63.2850(c)(2) or (d)(2), or a malfunction period as described in §63.2850(e)(2), record the items in paragraphs (e)(1) through (3) of this section by the end of the calendar month following each month in which the initial startup period or malfunction period occurred:

(1) A description and date of the SSM event, its duration, and reason it qualifies as an initial startup or malfunction.

(2) An estimate of the solvent loss in gallons for the duration of the initial startup or malfunction period with supporting documentation.

(3) A checklist or other mechanism to indicate whether the SSM plan was followed during the initial startup or malfunction period.

§ 63.2863 In what form and how long must I keep my records?
(a) Your records must be in a form suitable and readily available for review in accordance with §63.10(b)(1).

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, in accordance with §3.10(b)(1). You can keep the records off-site for the remaining 3 years.

Other Requirements and Information

§ 63.2870 What parts of the General Provisions apply to me?

Table 1 of this section shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

[66 FR 19011, Apr. 12, 2001, as amended at 67 FR 16321, Apr. 5, 2002; 71 FR 20463, Apr. 20, 2006]

§ 63.2871 Who implements and enforces this subpart?
(a) This subpart can be implemented by us, the U.S. EPA, or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency, as well as the U.S. EPA, has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under section 40 CFR part 63, subpart E, the authorities contained in paragraph (c) of this section are retained by the Administrator of the U.S. EPA and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are as follows:

(1) Approval of alternative nonopacity emissions standards under §63.6(g).

(2) Approval of alternative opacity standards under §63.6(h)(9).

(3) Approval of major alternatives to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.

(4) Approval of major alternatives to monitoring under §63.8(f) and as defined in §63.90.

(5) Approval of major alternatives to recordkeeping and reporting under §63.10(f) and as defined in §63.90.

§ 63.2872 What definitions apply to this subpart?
Terms used in this subpart are defined in the sources listed:

(a) The Clean Air Act, section 112(a).

(b) In 40 CFR 63.2, the NESHAP General Provisions.

(c) In this section as follows:

Accounting month means a time interval defined by a business firm during which corporate economic and financial factors are determined on a consistent and regular basis. An accounting month will consist of approximately 4 to 5 calendar weeks and each accounting month will be of approximate equal duration. An accounting month may not correspond exactly to a calendar month, but 12 accounting months will correspond exactly to a calendar year.

Actual solvent loss means the gallons of solvent lost from a source during 12 operating months as determined in accordance with §63.2853.

Agricultural product means any commercially grown plant or plant product.

Allowable HAP loss means the gallons of HAP that would have been lost from a source if the source was operating at the solvent loss factor for each listed oilseed type. The allowable HAP loss in gallons is determined by multiplying the tons of each oilseed type processed during the previous 12 operating months, as determined in accordance with §63.2855, by the corresponding oilseed solvent loss factor (gal/ton) listed in Table 1 of §63.2840, and by the dimensionless constant 0.64, and summing the result for all oilseed types processed.

Area source means any source that does not meet the major source definition.

As received is the basis upon which all oilseed measurements must be determined and refers to the oilseed chemical and physical characteristics as initially received by the source and prior to any oilseed handling and processing.

Batch operation means any process that operates in a manner where the addition of raw material and withdrawal of product do not occur simultaneously. Typically, raw material is added to a process, operational steps occur, and a product is removed from the process. More raw material is then added to the process and the cycle repeats.

Calendar month means 1 month as specified in a calendar.

Compliance date means the date on which monthly compliance recordkeeping begins. For existing sources, recordkeeping typically begins 3 years after the effective date of the subpart. For new and reconstructed sources, recordkeeping typically begins upon initial startup, except as noted in §63.2834.

Compliance ratio means a ratio of the actual HAP loss in gallons from the previous 12 operating months to an allowable HAP loss in gallons, which is determined by using oilseed solvent loss factors in Table 1 of §63.2840, the weighted average volume fraction of HAP in solvent received for the previous 12 operating months, and the tons of each type of listed oilseed processed in the previous 12 operating months. Months during which no listed oilseed is processed, or months during which the §63.2850(c)(2) or (d)(2) initial startup period or the §63.2850(e)(2) malfunction period applies, are excluded from this calculation. Equation 2 of §63.2840 is used to calculate this value. If the value is less than or equal to 1.00, the source is in compliance. If the value is greater than 1.00, the source is deviating from compliance.

Continuous operation means any process that adds raw material and withdraws product simultaneously. Mass, temperature, concentration and other properties typically approach steady-state conditions.

Conventional desolventizer means a desolventizer toaster that operates with indirect and direct-contact steam to remove solvent from the extracted meal. Oilseeds processed in a conventional desolventizer produce crude vegetable oil and crude meal products, such as animal feed.

Corn germ dry milling means a source that processes corn germ that has been separated from the other corn components using a “dry” process of mechanical chafing and air sifting.

Corn germ wet milling means a source that processes corn germ that has been separated from other corn components using a “wet” process of centrifuging a slurry steeped in a dilute sulfurous acid solution.

Exempt period means a period of time during which a source processes agricultural products not defined as listed oilseed.

Extraction solvent means an organic chemical medium used to remove oil from an oilseed. Typically, the extraction solvent is a commercial grade of hexane isomers which have an approximate HAP content of 64 percent by volume.

Hazardous air pollutant (HAP) means any substance or mixture of substances listed as a hazardous air pollutant under section 112(b) of the Clean Air Act, as of April 12, 2001.

Initial startup date means the first calendar day that a new, reconstructed or significantly modified source processes any listed oilseed.

Initial startup period means a period of time from the initial startup date of a new, reconstructed or significantly modified source, for which you choose to operate the source under an initial startup period subject to §63.2850(c)(2) or (d)(2). During an initial startup period, a source complies with the standards

by minimizing HAP emissions to the extent practical. The initial startup period following initial startup of a new or reconstructed source may not exceed 6 calendar months. The initial startup period following a significant modification may not exceed 3 calendar months. Solvent and oilseed inventory information recorded during the initial startup period is excluded from use in any compliance ratio determinations.

Large cottonseed plant means a vegetable oil production process that processes 120,000 tons or more of cottonseed and other listed oilseed during all normal operating periods in a 12 operating months period used to determine compliance.

Malfunction period means a period of time between the beginning and end of a process malfunction and the time reasonably necessary for a source to correct the malfunction for which you choose to operate the source under a malfunction period subject to §63.2850(e)(2). This period may include the duration of an unscheduled process shutdown, continued operation during a malfunction, or the subsequent process startup after a shutdown resulting from a malfunction. During a malfunction period, a source complies with the standards by minimizing HAP emissions to the extent practical. Therefore, solvent and oilseed inventory information recorded during a malfunction period is excluded from use in any compliance ratio determinations.

Mechanical extraction means removing vegetable oil from oilseeds using only mechanical devices such as presses or screws that physically force the oil from the oilseed. Mechanical extraction techniques use no organic solvents to remove oil from an oilseed.

Nonoperating period means any period of time in which a source processes no agricultural product. This operating status does not apply during any period in which the source operates under an initial startup period as described in §63.2850(c)(2) or (d)(2), or a malfunction period, as described in §63.2850(e)(2).

Normal operating period means any period of time in which a source processes a listed oilseed that is not categorized as an initial startup period as described in §63.2850(c)(2) or (d)(2), or a malfunction period, as described in §63.2850(e)(2). At the beginning and ending dates of a normal operating period, solvent and oilseed inventory information is recorded and included in the compliance ratio determination.

Oilseed or listed oilseed means the following agricultural products: corn germ, cottonseed, flax, peanut, rapeseed (for example, canola), safflower, soybean, and sunflower.

Oilseed solvent loss factor means a ratio expressed as gallons of solvent loss per ton of oilseed processed. The solvent loss factors are presented in Table 1 of §63.2840 and are used to determine the allowable HAP loss.

Operating month means any calendar or accounting month in which a source processes any quantity of listed oilseed, excluding any entire calendar or accounting month in which the source operated under an initial startup period as described in §63.2850(c)(2) or (d)(2), or a malfunction period as described in §63.2850(e)(2). An operating month may include time intervals characterized by several types of operating status. However, an operating month must have at least one normal operating period.

Significant modification means the addition of new equipment or the modification of existing equipment that:

(1) Significantly affects solvent losses from your vegetable oil production process;

(2) The fixed capital cost of the new components represents a significant percentage of the fixed capital cost of building a comparable new vegetable oil production process;

(3) The fixed capital cost of the new equipment does not constitute reconstruction as defined in §63.2; and

(4) Examples of significant modifications include replacement of or major changes to solvent recovery

equipment such as extractors, desolventizer-toasters/dryer-coolers, flash desolventizers, and distillation equipment associated with the mineral oil system, and equipment affecting desolventizing efficiency and steady-state operation of your vegetable oil production process such as flaking mills, oilseed heating and conditioning equipment, and cracking mills.

Small cottonseed plant means a vegetable oil production process that processes less than 120,000 tons of cottonseed and other listed oilseed during all normal operating periods in a 12 operating months period used to determine compliance.

Solvent extraction means removing vegetable oil from listed oilseed using an organic solvent in a direct-contact system.

Solvent working capacity means the volume of extraction solvent normally retained in solvent recovery equipment. Examples include components such as the solvent extractor, desolventizer-toaster, solvent storage and working tanks, mineral oil absorption system, condensers, and oil/solvent distillation system.

Specialty desolventizer means a desolventizer that removes excess solvent from soybean meal using vacuum conditions, energy from superheated solvent vapors, or reduced operating conditions (e.g., temperature) as compared to the typical operation of a conventional desolventizer. Soybeans processed in a specialty desolventizer result in high-protein vegetable meal products for human and animal consumption, such as calf milk replacement products and meat extender products.

Vegetable oil production process means the equipment comprising a continuous process for producing crude vegetable oil and meal products, including specialty soybean products, in which oil is removed from listed oilseeds through direct contact with an organic solvent. Process equipment typically includes the following components: oilseed preparation operations (including conditioning, drying, dehulling, and cracking), solvent extractors, desolventizer-toasters, meal dryers, meal coolers, meal conveyor systems, oil distillation units, solvent evaporators and condensers, solvent recovery system (also referred to as a mineral oil absorption system), vessels storing solvent-laden materials, and crude meal packaging and storage vessels. A vegetable oil production process does not include vegetable oil refining operations (including operations such as bleaching, hydrogenation, and deodorizing) and operations that engage in additional chemical treatment of crude soybean meals produced in specialty desolventizer units (including operations such as soybean isolate production).

[66 FR 19011, Apr. 12, 2001, as amended at 71 FR 20464, Apr. 20, 2006]

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Bunge North America (East), LLC
Source Address: 1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address: P.O. Box 1002, Decatur, Indiana 46733
Part 70 Permit No.: T003-23640-00005

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Bunge North America (East), LLC
Source Address: 1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address: P.O. Box 1002, Decatur, Indiana 46733
Part 70 Permit No.: T003-23640-00005

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: Bunge North America (East), LLC
Source Address: 1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address: P.O. Box 1002, Decatur, Indiana 46733
Part 70 Permit No.: T003-23640-00005

Boiler: ☐ 108EO1 ☐ 110EO1

☐ Natural Gas Only
☐ Alternate Fuel burned
From:_____ To:_____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Signature:
Printed Name:
Title/Position:
Phone:
Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Bunge North America (East), LLC
Source Address: 1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address: P.O. Box 1002, Decatur, Indiana 46733
Part 70 Permit No.: T003-23640-00005
Facility: Oil Extraction facilities
Parameter: Hexane Usage
Limit: Less than 330,000 gallons per twelve consecutive month period.

QUARTER : YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Bunge North America (East), LLC
Source Address: 1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address: P.O. Box 1002, Decatur, Indiana 46733
Part 70 Permit No.: T003-23640-00005
Facility: Grain Processing facilities
Parameter: Soybean grain processed after the grain dryers
Limit: Less than 1,368,750 tons per twelve consecutive month period

QUARTER : YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Bunge North America (East), LLC
Source Address: 1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address: P.O. Box 1002, Decatur, Indiana 46733
Part 70 Permit No.: T003-23640-00005
Facility: Coal-fired Boilers (1SP1 and 2SP1)
Parameter: SO_2 Emissions
Limit: Less than 6.0 pounds per MMBtu

QUARTER : YEAR:

Month	Coal Sulfur Content (lb/ton)	Coal Heat Content (MMBtu/ton)	SO_2 Emission Rate (lbs/MMBtu)	Coal Consumption (tons)
Month 1				
Month 2				
Month 3				

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Bunge North America (East), LLC
Source Address: 1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address: P.O. Box 1002, Decatur, Indiana 46733
Part 70 Permit No.: T003-23640-00005

Months: _____ to _ Year: _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	Bunge North America (East), LLC
Source Location:	1200 North 2nd Street, Decatur, Indiana 46733
County:	Adams
SIC Code:	2075, 5153
Permit Renewal No.:	T001-23640-00005
Permit Reviewer:	ERG/ST

On December 19, 2007, the Office of Air Quality (OAQ) had a notice published in the Decatur Daily Democrat, Decatur, Indiana, stating that Bunge North America (East), LLC (Bunge) had applied for a Part 70 Operating Permit Renewal to operate a grain handling, soybean meal production, and soybean oil extraction plant with control. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On January 10, 2008, Bunge submitted comments on the proposed Part 70 Renewal. The summary of the comments is as follows. The new language is shown in **bold** and the deleted language is shown in ~~strikeout~~. The Table of Contents has been updated as necessary.

Comment 1: The facility name should be corrected to the legal entity "Bunge North America (East), LLC".

IDEM Response to Comment 1: The permit has been changed to show the name change for this source. This change was made throughout the permit.

Bunge North America **(East), LLC**
1200 North 2nd Street
Decatur, Indiana 46733

Comment 2: In Section A.1, the SIC Codes should be deleted and changed to the NAICS #311222 (Soybean Processing) and #42510 (Grain and Field Bean Wholesalers) which include all processes at this facility.

IDEM Response to Comment 2: Although the use of NAICS codes may provide a more accurate description of the activities performed at this source, IDEM prefers to use SIC codes to identify the activities performed at a source. The SIC codes (2075 - Soybean Oil Mills and 5153 - Grain and Field Beans) most accurately describe the activities performed at this source. The permit has been changed as follows:

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary grain handling, soybean meal production, and soybean oil extraction plant.

Source Address:	1200 North 2nd Street, Decatur, Indiana 46733
Mailing Address:	P.O. Box 1002, Decatur, Indiana 46733
General Source Phone Number:	(260) 724-2101
SIC Code:	2075, 5153~~, 2048~~
County Location:	Adams
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

Comment 3: In Section A.2(b), for purposes of proper identification, "…grain elevator components…" should be identified as "…grain elevator East Workhouse components…"

IDEM Response to Comment 3: The permit has been changed as follows:

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

. . .

(b) The following grain elevator **East Workhouse** components, together identified as 2EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 2EL, consisting of:

. . .

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Grain Drying Facilities

. . .

(b) The following grain elevator **East Workhouse** components, together identified as 2EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 2EL, consisting of:

. . .

Comment 4: In Section A.2(r) and A.2(xxx), the rate indicating maximum capacity per hour should be deleted. Rate is not enforceable and other source descriptions do not include the rates.

IDEM Response to Comment 4: The emission limits for emission units 204R01 and 8SP1 under 326 IAC 6-3-2 is dependent upon the instantaneous process throughput rate, which is determined at the time of any test performed to document compliance with 326 IAC 6-3-2. The permit has been changed as follows. The emission units have been re-lettered due to other changes documented throughout this addendum.

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

. . .

~~(r)~~**(s)** One (1) Lec. Dept. filter aid unit, identified as 204RO1, constructed in 1980, ~~with a maximum capacity of 2.5 tons of diatomaceous earth per hour~~, using a baghouse for PM control, and exhausting to stack 204RO.

. . .

~~(xxx)~~**(eee)** One (1) enclosed pneumatic ash conveying and loading operation, constructed in the 1950's, identified as emission unit 8SP1, ~~with a maximum capacity of 4,456 tons per year of ash,~~ using a baghouse for emission control, and exhausting to stack 1SP. The ash loading operation uses water spray for fugitive emission mitigation.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Soybean Meal Production Facilities

. . .

~~(r)~~**(s)** One (1) Lec. Dept. filter aid unit, identified as 204RO1, constructed in 1980, ~~with a maximum capacity of 2.5 tons of diatomaceous earth per hour,~~ using a baghouse for PM control, and exhausting to stack 204RO.

. . .

~~(xxx)~~**(eee)** One (1) enclosed pneumatic ash conveying and loading operation, constructed in the 1950's, identified as emission unit 8SP1, ~~with a maximum capacity of 4,456 tons per year of ash,~~ using a baghouse for emission control, and exhausting to stack 1SP. The ash loading operation uses water spray for fugitive emission mitigation.

. . .

Comment 5: In Section A.2(u) and Section D.3, the emission unit 107 EO1 is a process heater as defined in 40 CFR 60, Subpart Dc and not an affected facility subject to NSPS. The hydrogen generation furnace does not heat a heat transfer medium, but cracks natural gas into elemental components. These components are separated by molecular sieve. The separated hydrogen is consumed in an oil processing process. The components separated from hydrogen are returned to the furnace burner and consumed. In summary there is no heat transfer medium. The furnace "promotes a chemical reaction" in that the material, natural gas, participates as a reactant. This emission unit would be considered a process heater.

IDEM Response to Comment 5: The emission unit 107E01, as described by the Permittee, is a process heater as defined in 40 CFR 60.41c and therefore not subject to the requirements of 40 CFR 60, Subpart Dc, which only apply to emission units meeting the definition of a steam generating unit. The permit has been changed as follows. The emission unit has been re-lettered due to other changes documented throughout this addendum.

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

. . .

~~(u)~~**(v)** One (1) natural gas fired hydrogen generator furnace, identified as 107EO1, constructed in 1992, with a maximum heat input capacity of 25.2 MMBtu/hr, and exhausting to stack 107EO. ~~This is an affected facility under the New Source Performance Standards for~~

~~Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.~~

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Boilers and Heaters

~~(u)~~**(v)** One (1) natural gas fired hydrogen generator furnace, identified as 107EO1, constructed in 1992, with a maximum heat input capacity of 25.2 MMBtu/hr, and exhausting to stack 107EO. ~~This is an affected facility under the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.~~

D.3.11 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for steam generators ~~107EO1,~~ 110EO1 and 108EO1, except as otherwise specified in 40 CFR Part 60, Subpart Dc.

. . .

D.3.12 Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units Requirements [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of Standard of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, which are incorporated by reference as 326 IAC 12, for steam generators ~~107EO1,~~ 110EO1 and 108EO1 as follows:

Comment 6: In Section A.2(w), delete “sharing fabric filters with 1EX2”. There are three filters that control the six flaking rolls and B flake drag that exhaust to 1EX and do not share the filters with flaking roll number 14 (1EX2). Similarly, in Section A.2(x), flaking roll number 14 (1EX2) has its own filter and exhausts to the same stack as the other flaking rolls, 1EX. Please delete “sharing fabric filters with 1EX1” from the description.

IDEM Response to Comment 6: The permit has been changed as follows. The emission units have been re-lettered due to other changes documented throughout this addendum.

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

. . .

~~(w)~~**(x)** Six (6) flaking rolls, #1, #2, #3, #4, #5, and #6, constructed in 1996, and B flake n/s drag, constructed in 1991, all identified together as 1EX1, ~~sharing~~ **using** fabric filters ~~with 1EX2~~ for PM control, and exhausting to stack 1EX.

~~(x)~~**(y)** One (1) flaking roll #14 and flaking roll discharge #14, identified as 1EX2, constructed in 1991, ~~sharing~~ **using** fabric filters ~~with 1EX1~~ for PM control, and exhausting to stack 1EX.

. . .

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Soybean Meal Production Facilities

. . .

~~(w)~~**(x)** Six (6) flaking rolls, #1, #2, #3, #4, #5, and #6, constructed in 1996, and B flake n/s drag, constructed in 1991, all identified together as 1EX1, ~~sharing~~ **using** fabric filters ~~with 1EX2~~ for PM control, and exhausting to stack 1EX.

~~(x)~~**(y)** One (1) flaking roll #14 and flaking roll discharge #14, identified as 1EX2, constructed in 1991, ~~sharing~~ **using** fabric filters ~~with 1EX1~~ for PM control, and exhausting to stack 1EX.

. . .

Comment 7: In Section A.2(y), the 'A' conditioner should be removed from this permit. This equipment has not been operated for several years and has been rendered inoperable. The electric power has been disconnected and the spouts and connections have been removed.

IDEM Response to Comment 7: Equipment is removed from the permit only if it has been removed from the premises or is decommissioned such that a source modification would be required to re-commence operations. Since this equipment has been decommissioned, it will be removed from the permit. The permit has been changed as follows:

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:
. . .

~~(y) One (1) 'A' conditioner, identified as 2EX1, constructed in the 1930's, with no PM control, and exhausting to stack 2EX.~~

. . .

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Soybean Meal Production Facilities
. . .

~~(y) One (1) 'A' conditioner, identified as 2EX1, constructed in the 1930's, with no PM control, and exhausting to stack 2EX.~~

. . .

[Note: the other emission units in the permit have been re-lettered accordingly.]

Comment 8: In Section A.2(hh), change 'Truck loadout' to 'Truck meal loadout' to assist in differentiating between elevator and extraction loadout. Additionally, as a part of this system, Rail meal loadout was previously permitted in an earlier permit as 6EX1, but has only fugitive emissions and needs to be included and defined in this permit. Fugitive emissions were included and had been calculated for Rail meal loadout together with fugitive emissions from Truck meal loadout in the original Title V application. Bunge requests the addition of Rail meal loadout within Truck meal loadout descriptions. For example, A.2(hh) may read "Truck and Rail meal loadout, identified as 6EX1, constructed in 1982, and includes, Truck meal loadout using a baghouse

(replaced in 1999) for PM control, exhausting to stack 6EX, and rail meal loadout using a choke loader for intrinsic PM control of fugitive emissions."

IDEM Response to Comment 8: Fugitive emissions from the rail loadout are counted towards determination of PSD applicability because this facility is subject to 40 CFR 60, Subpart DD and this NSPS was in effect on August 7, 1980. Emissions from the rail loadout will be subject to 326 IAC 6-3-2. Fugitive emissions from the rail loadout will not be subject to the PSD minor modification limits in Condition D.2.1 because the rail loadout was not modified in CP 001-4673-00005, issued May 10, 1996, or AA 001-9930-00005, issued September 17, 1998.

The statement in paragraph (d) of the *County Attainment Status* section in the TSD that " ... fugitive emissions are not counted toward determination of PSD or Emission Offset applicability" is incorrect. This source is in a category regulated by an NSPS that was promulgated prior to August 7, 1980. Therefore, fugitive emissions from all of the emission units at this source are counted towards determination of PSD and Emission Offset applicability. No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

The permit has been changed as follows:

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

. . .

(hh) Truck **meal loadout and rail meal** loadout, identified as 6EX1, constructed in 1982, replaced in 1999, **with truck meal loadout** using a baghouse for PM control, and exhausting to stack 6EX**, and rail meal loadout using a choke loader for intrinsic PM control of fugitive emissions**.

. . .

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Soybean Meal Production Facilities

. . .

(hh) Truck **meal loadout and rail meal** loadout, identified as 6EX1, constructed in 1982, replaced in 1999, **with truck meal loadout** using a baghouse for PM control, and exhausting to stack 6EX**, and rail meal loadout using a choke loader for intrinsic PM control of fugitive emissions**.

. . .

D.2.2 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the particulate matter (PM) from the following emission units shall be limited by the equation(s) following this table:

Unit	Description
. . .	. . .
6EX1	Truck **Meal** Loadout**, Rail Meal Loadout**
. . .	. . .

Comment 9: In Condition D.1.1(a)(2), unit EL191 should be corrected to read "19EL1."

IDEM Response to Comment 9: The permit has been changed as follows:

D.1.1 PSD Minor Limits [326 IAC 2-2]

(a) . . .

(2) The PM emissions from emission unit 19EL1 shall be limited to less than 1.36 pounds per hour and the PM10 emissions from emission unit ~~EL191~~ **19EL1** shall be limited to less than 0.283 pounds per hour.

Comment 10: In Section D.2, the emission units identified as 204RO1, 102EO1, 103EO1, 4SP1, and 8SP1 are not Grain Handling or Soybean Meal Production facilities. Bunge requests that these units to be moved to Section D.3, creating a Refined Oil and Boiler Support System group, for consistency.

IDEM Response to Comment 10: Although these emission units are not grain handling or soybean meal production facilities, they are primarily PM emission sources. Therefore, in order to avoid unnecessary repetition of permit requirements, they have been included in Section D.2 with other PM emission sources. No changes have been made as a result of this comment.

Comment 11: In Condition D.3.5(a), the reference to ASTM D388 standard that explains classification of coal does not follow from any of the cited rules. Bunge requests that this condition be deleted.

IDEM Response to Comment 11: Upon further review, IDEM has determined that Conditions D.3.5(a) and D.3.5(b) do not need to be included in the permit, since they are each regulated by other programs. Therefore, Condition D.3.5 has been removed from the permit:

~~D.3.5 Operation Standards [326 IAC 2-1.1-5(a)(4)] [40 CFR 261] [40 CFR 279] [329 IAC 13]~~

~~(a) All coal burned, including coal treated with any additive, shall meet ASTM specifications for classification as coal (ASTM D388).~~

~~(b) Used oil may be combusted as supplemental fuel for energy recovery in compliance with 40 CFR Part 279 (Standards for the management of used oil) and 329 IAC 13 (Used Oil Management). Used oil shall be combusted in only the Murray boiler (3SP1).~~

~~The requirements in this condition are not federally enforceable pursuant to this Part 70 permit.~~

[Note: The other conditions in this Section have been re-numbered accordingly.]

Comment 12: In Condition D.3.2, the statement ‘Compliance shall be demonstrated on a monthly average” contradicts the language in Condition D.3.4(b)(1)(D) "Samples shall be composited and analyzed at the end of each calendar quarter". Currently, the samples are collected and analyzed on a monthly basis and reported quarterly.

Also, regarding Condition D.3.10(a)(5): Vendor analysis is not the method used. The analysis is done by an independent laboratory per D.3.4(b). Independent laboratory analysis should be specified.

IDEM Response to Comment 12: 326 IAC 7-2-1(c)(2) states that the Permittee must submit quarterly reports of the calendar month average coal sulfur content, coal heat content, sulfur dioxide emission rate in pounds per MMBtu, and the total monthly coal consumption. Therefore, compliance must be determined on a monthly basis. Reports must be submitted on a quarterly basis. Conditions D.3.2 and D.3.4(b) have been changed to clarify the methods to be used to determine compliance and to specify the compliance procedures that must be completed on a

monthly basis. A reporting condition has been added to the permit as required by 326 IAC 7-2-1(c)(2).

The coal fired boilers are subject to 326 IAC 7. This rule requires the Permittee to show compliance with the sulfur dioxide rule. Although three methods of compliance are allowed by the rule, the Permittee has chosen to sample the coal and have it analyzed by an independent laboratory. The recordkeeping requirement has been changed to clarify the intent of the rule.

D.3.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1-2(a)(1), (Sulfur Dioxide Emission Limitations) the sulfur dioxide emissions from the B&W boiler (1SP1) and the Keeler boiler (2SP1), when combusting coal, shall be less than 6.0 pounds per MMBtu each. ~~Compliance shall be demonstrated on a monthly average.~~ **Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.**

D.3.4 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 2-7-5(3)(A)] [326 IAC 2-7-6]

~~Pursuant to 326 IAC 7-2, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed six (6.0) pounds per MMBtu. Compliance shall be determined utilizing the following options:~~

~~(a) Providing vendor analysis of coal delivered, if accompanied by a certification from the fuel supplier as described under 40 CFR 60.48c(f)(3). The certification shall include:~~

~~(1) The name of the coal supplier; and~~

~~(2) The location of the coal when the sample was collected for analysis to determine the properties of the coal, specifically including whether the coal was sampled as delivered to the affected facility or whether the coal was collected from coal in storage at the mine, at a coal preparation plant, at a coal supplier's facility, or at another location. The certification shall include the name of the coal mine (and coal seam), coal storage facility, or coal preparation plant (where the sample was collected); and~~

~~(3) The results of the analysis of the coal from which the shipment came (or of the shipment itself) including the sulfur content, moisture content, ash content, and heat content; and~~

~~(4) The methods used to determine the properties of the coal; and~~

(a) Pursuant to 326 IAC 7-2-1(c)(2), The Permittee shall submit quarterly reports of the calendar month average coal sulfur content, coal heat content, the sulfur dioxide emission rate in pounds per MMBtu, and the total monthly coal consumption.

(b) ~~Sampling and analyzing the coal using one of the following procedures:~~ **Pursuant to 326 IAC 7-2-1(e), coal sampling and analysis data shall be collected pursuant to the procedures specified in 326 IAC 3-7-2(b) or 326 IAC 3-7-3 as follows:**

(1) Minimum Coal Sampling Requirements and Analysis Methods:

(A) The coal sample acquisition point shall be at a location where representative samples of the total coal flow to be combusted by the facility or facilities may be obtained. A single as-bunkered or as-burned sampling station may be used to represent the coal to be combusted by multiple facilities using the same stockpile feed system;

(B) Coal shall be sampled at least one (1) time per day;

(C) Minimum sample size shall be five hundred (500) grams;

(D) Samples shall be composited and analyzed at the end of each calendar ~~quarter;~~ **month;**

(E) Preparation of the coal sample, heat content analysis, and sulfur content analysis shall be determined pursuant to 326 IAC 3-7-2(c)~~, (d), (e)~~; or

(2) Sample and analyze the coal pursuant to 326 IAC 3-7-3**.** ~~; or~~

~~(c) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the boiler, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6, which is conducted with such frequency as to generate the amount of information required by (a) or (b) above. [326 IAC 7-2-1(b)]~~

~~A determination of noncompliance pursuant to any of the methods specified in (a), (b), or (c) above shall not be refuted by evidence of compliance pursuant to the other method.~~

~~D.3.10~~ **D.3.9** Record Keeping Requirements

(a) . . .

. . .

(5) ~~Vendor analysis of coal and coal supplier certification.~~ **Independent laboratory analysis of coal.**

D.3.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.3.2 and D.3.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name:	**Bunge North America (East), LLC**
Source Address:	**1200 North 2nd Street, Decatur, Indiana 46733**
Mailing Address:	**P.O. Box 1002, Decatur, Indiana 46733**
Part 70 Permit No.:	**T003-23640-00005**
Facility:	**Coal-fired Boilers (1SP1 and 2SP1)**
Parameter:	**SO_2 Emissions**
Limit:	**Less than 6.0 pounds per MMBtu**

QUARTER : **YEAR:**

Month	Coal Sulfur Content (lb/ton)	Coal Heat Content (MMBtu/ton)	SO_2 Emission Rate (lbs/MMBtu)	Coal Consumption (tons)
Month 1				
Month 2				
Month 3				

☐ **No deviation occurred in this month.**

☐ **Deviation/s occurred in this month.**
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

Comment 13: Dust control oil is applied only when grain is received. The elevator operations identified as 2EL1, 5EL1, 8EL1, 10EL1, 14EL1, 3EL1, 4EL1, 6EL1, 7EL1, and 13 EL1 are not always shut down when no grain is being received. Bunge requests that Conditions D.1.4(c) and D.21.4(b) be changed to require that oil be applied when the grain is received and that the wording be changed from "…dust control oil shall be applied at all times….are in operation", to "…on all grain received at the dump pits serving the listed operations…"

IDEM Response to Comment 13: In Conditions D.1.4 and D.2.4, the emission units identified as 2EL1, 5EL1, 8EL1, 10EL1, 14EL1, 3EL1, 4EL1, 6EL1, 7EL1, and 13 EL1 use oil suppressant for PM control. This oil is applied at the dump pits when the grain is received. It is not necessary to reapply oil during the subsequent processes in order to control dust. The permit requirements have been clarified as follows:

D.1.4 Particulate Matter (PM) [40 CFR 64 (CAM)]

. . .

(c) In order to comply with Conditions D.1.1 and D.1.2, dust control oil shall be applied **on all grain received at the dump pits serving the emission units identified as** ~~at all times that~~ 2EL1, 5EL1, 8EL1, 10EL1, and 14EL1 ~~are in operation~~.

. . .

D.2.4 Particulate Matter (PM) [40 CFR 64 (CAM)]

. . .

(b) In order to comply with Conditions D.2.1 and D.2.2, dust control oil shall be applied **on all grain received at the dump pits serving** ~~at all times that~~ the emission units identified as 3EL1, 4EL1, 6EL1, 7EL1, and 13 EL1 ~~are in operation~~.

. . .

Comment 14: Page 13: A.2(uuu) – This is part of the elevator and should be moved near A.2(q) for consistency.

IDEM Response to Comment 14: The permit has been changed as follows:

(p) . . .

(q) One (1) natural gas fired grain dryer #1, identified as 16EL1, constructed in 1986, using self-cleaning screens for PM control, and exhausting to stack 16EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(~~q~~ **r**) Two (2) natural gas fired grain dryers, #4 and #5, identified as 17EL1, constructed in the 1960's, using self-cleaning screens for PM control, and exhausting to vent 17EL.

. . .

~~(uuu) One (1) natural gas fired grain dryer #1, identified as 16EL1, constructed in 1986, using self-cleaning screens for PM control, and exhausting to stack 16EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.~~

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Grain Drying Facilities

. . .

~~(uuu)~~**(q) One (1) natural gas fired grain dryer #1, identified as 16EL1, constructed in 1986, using self-cleaning screens for PM control, and exhausting to stack 16EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.**

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Soybean Meal Production Facilities

. . .

(~~q~~ **r**) Two (2) natural gas fired grain dryers, #4 and #5, identified as 17EL1, constructed in the 1960's, using self-cleaning screens for PM control, and exhausting to vent 17EL.

. . .

[Note: the other emission units in the permit have been re-lettered accordingly.]

Comment 15: In order to comply with the Consent Decree requirements in Condition D.4.7, Bunge is required to maintain records of hexane composition, hexane usage, and the amount of oilseeds processed. Please change Condition D.4.5(a) to include these requirements.

IDEM Response to Comment 15: Condition D.4.1 limits the Permitee to less than 330,000 gallons of hexane usage for all of the oil extraction facilities (24EX1 through 24EX11). Condition D.4.5(a) requires that the Permittee keep records of hexane usage in order to demonstrate compliance with this hexane usage limit. Condition D.4.7(f) specifies the records that must be kept by the Permittee in order to demonstrate compliance with the requirements of the Consent Decree. No changes have been made as a result of this comment. However, IDEM has decided to clarify the recordkeeping requirement and correct typographical errors as follows:

D.4.5 Record Keeping Requirements

(a) To document compliance with Condition~~s~~ D.4.1 ~~and D.4.7~~, the Permittee shall maintain records of the hexane usage for the oil extraction facilities.

. . .

D.4.7 Consent Decree Limits, Compliance, and Record Keeping Requirements

. . .

(f) To document compliance with the Consent Decree, the Permittee shall maintain the following records in accordance with (1) through (~~4~~ **5**) below. Records maintained for (1) through (~~4~~ **5**) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC SLR limits established in paragraph (c) above. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

. . .

Comment 16: In Section A.2(nn) through (pp), the descriptions should be changed to reflect this equipment as a process unit with three exhaust stacks. The unit would better be described as follows: “One (1) ‘A’ pre-DT, constructed in 1996, which is on top of and feeds the ‘A’ DT which is on top of and feeds the ‘A’ meal dryer. The ‘A’ DT and ‘A’ dryer, identified as 13EX1, were installed in 1980. The ‘A’ pre-DT and DT exhaust to the hexane solvent reclaim system. The ‘A’ dryer uses a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX”.

Similarly, in Section A.2(qq) through (ss), the descriptions should be changed to reflect this equipment as a process unit with three exhaust stacks. The unit would better be described as follows: “One (1) ‘B’ pre-DT, constructed in 1996, which is on top of and feeds the ‘B’ DT which is on top of and feeds the ‘B’ meal dryer. The ‘B’ DT and ‘B’ dryer, identified as 14EX1, were installed in 1980. The ‘B’ pre-DT and DT exhaust to the hexane solvent reclaim system. The ‘B’ dryer uses a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX”.

Also, the emission units listed in Section A.2(jjj) through (ppp) are the same emission units listed in Section A.2(nn) through (tt). Please remove the duplicate units. Please add an emission point for the oil tanks containing non-deodorized oil which vent to the atmosphere. These emissions are reported at 24EX. Finally, the emission units associated with the hexane extraction system (Section A.2(iii) through (ttt) should be grouped together.

IDEM Response to Comment 16: As noted by the Permittee in their comments, several emission units (currently labeled as (nn) through (tt) and (jjj) through (ppp)) are listed twice in the Emission Unit Summary. IDEM has deleted the duplicate emission unit descriptions and assigned new

emission unit ID numbers to the affected emission units as well as the other emission units that are a part of the hexane extraction system so that they can be recognized as a group. The permit has been changed as follows:

A.2 Emission Units and Pollution Control Equipment Summary
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

. . .

~~(nn) One (1) pre-DT section on top of 'A' top dryer section, constructed in 1996, and exhausting to 'A' top dryer section for PM control and one (1) 'A' top dryer section, identified as 13EX1, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.~~

~~(oo) One (1) 'A' middle dryer section, identified as 13EX2, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.~~

~~(pp) One (1) 'A' bottom cooler section, identified as 13EX3, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.~~

~~(qq) One (1) pre-DT section on top of 'B' top dryer section, constructed in 1996, and exhausting to 'B' top dryer section for PM control, and one (1) 'B' top dryer section, identified as 14EX1, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.~~

~~(rr) One (1) 'B' middle dryer section, identified as 14EX2, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.~~

~~(ss) One (1) 'B' bottom cooler section, identified as 14EX3, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.~~

~~(tt) One (1) meal cooler, identified as 21EX1, constructed in 1996, using two (2) cyclones for PM control and exhausting to stacks 21EX1A and 21EX1B, with hexane emissions reported in 24EX.~~

(~~uu~~ **nn**) One (1) belt to storage bowls, one (1) large storage bowl, and one (1) small storage bowl, identified as 16EX1, 16EX2, and 16EX3, respectively, all constructed in 1982, with no PM control, and exhausting to stack 16EX.

. . .

~~(iii) Hexane extraction system, identified as 24EX1, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EX1 (for reporting purposes, all other hexane emissions are collectively accounted for in the total hexane losses named 24EX). This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(jjj) One (1) pre DT section on top of 'A' top dryer section, constructed in 1996, and one (1) 'A' DTDC top dryer section, constructed prior to 1980, both identified as 24EX2, with hexane emissions controlled by a mineral oil absorber and reported in 24EX. This is an~~

~~affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(kkk) One (1) 'A' DTDC middle dryer section, identified as 24EX3, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(lll) One (1) 'A' DTDC bottom cooler section, identified as 24EX4, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(mmm) One (1) pre-DT section on top of 'B' top dryer section, constructed in 1996, and one (1) 'B' DTDC top dryer section, constructed prior to 1980, both identified as 24EX5, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(nnn) One (1) 'B' DTDC middle dryer section, identified as 24EX6, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(ooo) One (1) 'B' DTDC bottom cooler section, identified as 24EX7, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(ppp) One (1) meal cooler, identified as 21EX1, constructed in 1996, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(qqq) Two (2) hexane storage tanks, identified as 24EX8a and 24EX8b, constructed in 1995 and 2005, respectively, and vented to the mineral oil absorber inlet. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(rrr) Wastewater system containing hexane, identified as 24EX9, constructed prior to 1980, and exhausting at the plant treatment facility. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(sss) One (1) refined oil hot well, identified as 24EX10, constructed in 1975. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(ttt) One (1) sampling/hexane unloading port, identified as 24EX11, and with no control. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

(bbb) One (1) hexane extraction system, identified collectively as 24EX, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EXA. For reporting purposes, all hexane emissions are collectively accounted for in the total hexane losses named 24EX.

(1) One (1) 'A' unit, identified as 24EX1, consisting of 'A' pre-DT, constructed in 1996, 'A' DT, constructed in 1980, and the 'A' Meal Dryer, constructed in 1980. 'A' pre-DT is on top of and feeds the 'A' DT, which is on top of and feeds the 'A' Meal Dryer. The 'A' pre-DT and the 'A' DT exhaust to the hexane solvent reclaim system. The 'A' Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX1. Hexane emissions are reported in 24EX.

(2) One (1) 'B' unit, identified as 24EX2, consisting of 'B' pre-DT, constructed in 1996, 'B' DT, constructed in 1980, and the 'B' Meal Dryer, constructed in 1980. 'B' pre-DT is on top of and feeds the 'B' DT which is on top of and feeds the 'B' Meal Dryer. The 'B' pre-DT and the 'B' DT exhaust to the hexane solvent reclaim system. The 'B' Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX2. Hexane emissions are reported in 24EX.

(3) One meal cooler, identified as 24EX3, constructed in 1996, using two (2) cyclones for PM control, exhausting to stacks 24EX3A and 24EX3B, respectively, with hexane emissions reported in 24EX.

(4) Two (2) hexane storage tanks, identified as 24EX4A and 24EX4B, constructed in 1995 and 2005, respectively, with emissions vented to the mineral oil absorber inlet, with hexane emissions reported in 24EX.

(5) One (1) wastewater system, identified as 24EX5, constructed prior to 1980, containing traces of hexane, exhausting to the extraction hot water separation pit, with hexane emissions reported in 24EX.

(6) One (1) refined oil hot well, identified as 24EX6, constructed in 1975, with hexane emissions reported in 24EX.

(7) One (1) sampling /hexane unloading port, identified as 24EX7, with hexane emissions reported in 24EX.

(8) Oil tanks containing non-deodorized oil, identified as 24EX8, venting to the atmosphere, with hexane emissions reported at 24EX.

The hexane extraction system (24EX, consisting of 24EX1 through 24EX8) are affected facilities under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(~~vvv~~ **ccc**)

. . .

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Grain Handling and Soybean Meal Production Facilities

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~~(nn) One (1) pre-DT section on top of 'A' top dryer section, constructed in 1996, and exhausting to 'A' top dryer section for PM control and one (1) 'A' top dryer section, identified as 13EX1, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.~~

~~(oo) One (1) 'A' middle dryer section, identified as 13EX2, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.~~

~~(pp) One (1) 'A' bottom cooler section, identified as 13EX3, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.~~

~~(qq) One (1) pre-DT section on top of 'B' top dryer section, constructed in 1996, and exhausting to 'B' top dryer section for PM control, and one (1) 'B' top dryer section, identified as 14EX1, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.~~

~~(rr) One (1) 'B' middle dryer section, identified as 14EX2, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.~~

~~(ss) One (1) 'B' bottom cooler section, identified as 14EX3, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.~~

~~(tt) One (1) meal cooler, identified as 21EX1, constructed in 1996, using two (2) cyclones for PM control and exhausting to stacks 21EX1A and 21EX1B, with hexane emissions reported in 24EX.~~

(bbb) One (1) hexane extraction system, identified collectively as 24EX, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EXA. For reporting purposes, all hexane emissions are collectively accounted for in the total hexane losses named 24EX.

(1) One (1) 'A' unit, identified as 24 EX1, consisting of 'A' pre-DT, constructed in 1996, 'A' DT, constructed in 1980, and the 'A' Meal Dryer, constructed in 1980. 'A' pre-DT is on top of and feeds the 'A' DT, which is on top of and feeds the 'A' Meal Dryer. The 'A' pre-DT and the 'A' DT exhaust to the hexane solvent reclaim system. The 'A' Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX1. Hexane emissions are reported in 24EX.

(2) One (1) 'B' unit, identified as 24EX2, consisting of 'B' pre-DT, constructed in 1996, 'B' DT, constructed in 1980, and the 'B' Meal Dryer, constructed in 1980. 'B' pre-DT is on top of and feeds the 'B' DT which is on top of and feeds the 'B' Meal Dryer. The 'B' pre-DT and the 'B' DT exhaust to the hexane solvent reclaim system. The 'B' Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX2. Hexane emissions are reported in 24EX.

(3) One meal cooler, identified as 24EX3, constructed in 1996, using two (2) cyclones for PM control, exhausting to stacks 24EX3A and 24EX3B, respectively, with hexane emissions reported in 24EX.

. . .

D.2.1 PSD Minor Limits [326 IAC 2-2]

. . .

(b) The PM and PM10 emissions shall be limited as follows:

EU ID	Stack ID	PM Limit (lb/hr)	PM10 Limit (lb/hr)
19EL1	19EL	1.36	0.283
1EX1, 1EX2	1EX	0.516	0.320

EU ID	Stack ID	PM Limit (lb/hr)	PM10 Limit (lb/hr)
4EX1, 4EX2, 4EX3	4EX	1.181	0.230
5EX1, 5EX2, 5EX3	5EX	1.684	0.255
7EX1	7EX	0.351	0.254
~~13EX1, 13 EX2, 13EX3~~ **24EX1**	~~13EX~~ **24EX1**	7.38	4.43
~~14EX1, 14 EX2, 14EX3~~ **24EX2**	~~14EX~~ **24EX2**	7.38	4.43
~~21EX1~~ **24EX3**	~~21EX~~ **24EX3A, 24EX3B**	17.7	10.8
23EX1	23EX	3.28	1.64
6EX1	6EX	0.056	0.008

. . .

D.2.2 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the particulate matter (PM) from the following emission units shall be limited by the equation(s) following this table:

Unit	Description
. . .	. . .
~~13EX1~~ **24EX1**	~~Pre-DT and 'A' Top Dryer Section~~ **'A' Unit ('A' pre-DT, 'A' DT, and 'A' Meal Dryer)**
~~13EX2~~	~~'A' Middle Dryer Section~~
~~13EX3~~	~~'A' Bottom Cooler Section~~
~~14EX1~~ **24EX2**	~~Pre-DT and 'B' Top Dryer Section~~ **'B' Unit ('B' pre-DT, 'B' DT, and 'B' Meal Dryer)**
~~14EX2~~	~~'B' Middle Dryer Section~~
~~14EX3~~	~~'B' Bottom Cooler Section~~
~~21EX1~~ **24EX3**	Meal Cooler
. . .	. . .

. . .

D.2.5 Visible Emissions Notations [40 CFR 64 (CAM)]

(a) Daily visible emission notations of the grain handling, grain drying, and soybean meal production stack exhausts/vents (3EL, 6EL, 9EL, 12EL, 13EL, 15EL, 17EL, 204RO, 102EO, 103EO, 4SP, 1EX, 2EX, 3EX, 4EX, 5EX, 6EX, 7EX, 9EX, 10EX, 11EX, 12EX, ~~13EX~~ **24EX1**, ~~14EX~~ **24EX2**, 16EX, 18EX, ~~21EX1A, 21EX1B,~~ **24EX3A, 24EX3B,** 23EX, 25EX, 27EX, 8EX, 29EX, 30EX, 1SP, and 17EX) shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

. . .

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Hexane Extraction System

~~(iii) Hexane extraction system, identified as 24EX1, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EX1 (for reporting purposes, all other hexane emissions are collectively accounted for in the total~~

~~hexane losses named 24EX). This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(jjj) One (1) pre DT section on top of 'A' top dryer section, constructed in 1996, and one (1) 'A' DTDC top dryer section, constructed prior to 1980, both identified as 24EX2, with hexane emissions controlled by a mineral oil absorber and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(kkk) One (1) 'A' DTDC middle dryer section, identified as 24EX3, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(lll) One (1) 'A' DTDC bottom cooler section, identified as 24EX4, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(mmm) One (1) pre-DT section on top of 'B' top dryer section, constructed in 1996, and one (1) 'B' DTDC top dryer section, constructed prior to 1980, both identified as 24EX5, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(nnn) One (1) 'B' DTDC middle dryer section, identified as 24EX6, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(ooo) One (1) 'B' DTDC bottom cooler section, identified as 24EX7, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(ppp) One (1) meal cooler, identified as 21EX, constructed in 1996, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(qqq) Two (2) hexane storage tanks, identified as 24EX8a and 24EX8b, constructed in 1995 and 2005, respectively, and vented to the mineral oil absorber inlet. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(rrr) Wastewater system containing hexane, identified as 24EX9, constructed prior to 1980, and exhausting at the plant treatment facility. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(sss) One (1) refined oil hot well, identified as 24EX10, constructed in 1975. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

~~(ttt) One (1) sampling/hexane unloading port, identified as 24EX11, and with no control. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.~~

(bbb) One (1) hexane extraction system, identified collectively as 24EX, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EXA. For reporting purposes, all hexane emissions are collectively accounted for in the total hexane losses named 24EX.

(1) One (1) 'A' unit, identified as 24 EX1, consisting of 'A' pre-DT, constructed in 1996, 'A' DT, constructed in 1980, and the 'A' Meal Dryer, constructed in 1980. 'A' pre-DT is on top of and feeds the 'A' DT, which is on top of and feeds the 'A' Meal Dryer. The 'A' pre-DT and the 'A' DT exhaust to the hexane solvent reclaim system. The 'A' Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX1. Hexane emissions are reported in 24EX.

(2) One (1) 'B' unit, identified as 24EX2, consisting of 'B' pre-DT, constructed in 1996, 'B' DT, constructed in 1980, and the 'B' Meal Dryer, constructed in 1980. 'B' pre-DT is on top of and feeds the 'B' DT which is on top of and feeds the 'B' Meal Dryer. The 'B' pre-DT and the 'B' DT exhaust to the hexane solvent reclaim system. The 'B' Meal Dryer uses a cyclone for PM control, and exhausts to stack 24EX2. Hexane emissions are reported in 24EX.

(3) One meal cooler, identified as 24EX3, constructed in 1996, using two (2) cyclones for PM control, exhausting to stacks 24EX3A and 24EX3B, respectively, with hexane emissions reported in 24EX.

(4) Two (2) hexane storage tanks, identified as 24EX4A and 24EX4B, constructed in 1995 and 2005, respectively, with emissions vented to the mineral oil absorber inlet, with hexane emissions reported in 24EX.

(5) One (1) wastewater system, identified as 24 EX5, constructed prior to 1980, containing traces of hexane, exhausting to the extraction hot water separation pit, with hexane emissions reported in 24EX.

(6) One (1) refined oil hot well, identified as 24 EX6, constructed in 1975, with hexane emissions reported in 24EX.

(7) One (1) sampling /hexane unloading port, identified as 24 EX7, with hexane emissions reported in 24EX.

(8) Oil tanks containing non-deodorized oil, identified as 24EX8, venting to the atmosphere, with hexane emissions reported at 24EX.

The hexane extraction system (24EX, consisting of 24EX1 through 24EX8) are affected facilities under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

D.4.1 PSD Limit [326 IAC 2-2]

Pursuant to CP (002) 2005, issued August 23, 1991, the hexane usage for all of the oil extraction facilities ~~(24EX1 through 24EX11)~~ **(24EX, consisting of 24EX1 through 24EX8)** combined shall be limited to less than 330,000 gallons per twelve (12) consecutive month period, with

compliance determined at the end of each month, to ensure that the increase in hexane emissions from these units remains below 39.2 tons per year. This will ensure that 326 IAC 2-2 (Prevention of Significant Deterioration) does not apply to this modification.

D.4.8 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.7565, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1 for the hexane extraction system **(24EX)** and associated equipment, including 24EX1, 24EX2, 24EX3, 24EX4, 24EX5, 24EX6, 24EX7, **and 24EX8,** ~~21EX, 24EX8a and 24EX8b, 24EX9, 24EX10, and 24EX11,~~ as specified in Appendix A of 40 CFR Part 63, Subpart GGGG in accordance with schedule in 40 CFR 63 Subpart GGGG.

. . .

D.4.9 National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production Requirements [40 CFR Part 63, Subpart GGGG] [326 IAC 20-60]

Pursuant to CFR Part 63, Subpart GGGG, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart GGGG for the hexane extraction system **(24EX)** and associated equipment, including 24EX1, 24EX2, 24EX3, 24EX4, 24EX5, 24EX6, 24EX7, **and 24EX8,** ~~21EX, 24EX8a and 24EX8b, 24EX9, 24EX10, and 24EX11,~~ as specified as follows.

Comment 17: Bunge requests that the PSD emissions limits for PM in Condition D.2.1(b) be revised as shown in the following table. The proposed limits are based on emission tests. Additionally, the limits for the baghouses are based on the typical grain handling warranty (0.005 gr/cf) while the limits for the cyclone-controlled EUs use the completed emission tests and a safety factor. Baghouse and cyclone PM and PM10 emissions should be presumed to be identical lacking PM10 test results.

EU ID	Stack ID	PM Limit (lb/hr)	PM10 Limit (lb/hr)
19EL1	19EL	1.36	0.283
1EX1, 1EX2	1EX	0.474	0.474
4EX1, 4EX2, 4EX3	4EX	1.441	1.441
5EX1, 5EX2, 5EX3	5EX	1.676	1.676
6EX1	6EX	2.218	2.218
7EX1	7EX	0.346	0.346
13EX1, 13EX2, 13EX3	13EX	6.79	6.79
14EX1, 14EX2, 14EX3	14EX	6.79	6.79
21EX1	21EX	2.18	2.18
23EX1	23EX	0.021	0.021
	EX Total	23.3	23.3

IDEM Response to Comment 17: In CP 001-4673-00005, issued on May 10, 1996, the source accepted emission limits on PM and PM10 emissions from the emission units listed in the table above. These limits totaled 40.9 pounds per hour of PM and 22.65 pounds per hour of PM10. The Permittee's proposed changes would limit PM emissions from these emission units to a total of 23.3 pounds per hour of PM and 22.2 pounds per hour of PM10. Since the proposed emission limits do not result in an increase in emissions, IDEM will accept the proposed changes in the PSD minor limits for these emission units. The permit has been changed as follows:

D.2.1 PSD Minor Limits [326 IAC 2-2]

. . .

(b) The PM and PM10 emissions shall be limited as follows:

EU ID	Stack ID	PM Limit (lb/hr)	PM10 Limit (lb/hr)
19EL1	19EL	1.36	0.283
1EX1, 1EX2	1EX	~~0.516~~ **0.474**	~~0.320~~ **0.474**
4EX1, 4EX2, 4EX3	4EX	~~1.181~~ **1.441**	~~0.230~~ **1.441**
5EX1, 5EX2, 5EX3	5EX	~~1.684~~ **1.676**	~~0.255~~ **1.676**
7EX1	7EX	~~0.351~~ **0.346**	~~0.254~~ **0.346**
~~13EX1, 13 EX2, 13EX3~~ **24EX1**	~~13EX~~ **24EX1**	~~7.38~~ **6.79**	~~4.43~~ **6.79**
~~14EX1, 14 EX2, 14EX3~~ **24EX2**	~~14EX~~ **24EX2**	~~7.38~~ **6.79**	~~4.43~~ **6.79**
~~21EX1~~ **24EX3**	~~21EX~~ **24EX3A, 24EX3B**	~~17.7~~ **2.18, each**	~~10.8~~ **2.18, each**
23EX1	23EX	~~3.28~~ **0.021**	~~1.64~~ **0.021**
6EX1	6EX	~~0.056~~ **2.218**	~~0.008~~ **2.218**

. . .

These changes to the limited PTE of these emission units will also change the potential to emit of the source as shown in the following table. No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

	Potential to Emit (tons/year)						
Emission Unit ID	PM	PM10	SO_2	VOC	CO	NO_X	HAP
1EL1, 10EL1 (rail loadout), 20 EL1	Less than 0.01 gr/dscf *	Less than 0.01 gr/dscf *	--	--	--	--	--
19EL1	Not greater than 5.96 **	Not greater than 1.24 **	--	--	--	--	--
10EL1, 3EL1, 4EL1, 6EL1, 7EL1, 9EL1, 12EL1, 13EL1, 15EL1, 17EL1, 204RO1, 102EO1, 103EO1	***	***	--	--	--	--	--
4SP1	***	***	--	--	--	--	--
1EX1 and 1EX2	Less than ~~2.26~~ **2.076** **	Less than ~~1.40~~ **2.076** **	--	--	--	--	--
2EX1, 3EX1, 3EX2	***	***	--	--	--	--	--
4EX1, 4EX2, 4EX3	Less than ~~5.17~~ **6.31** **	Less than ~~1.01~~ **6.31** **	--	--	--	--	--
5EX1, 5EX2, 5EX3	Less than ~~7.38~~ **7.34** **	Less than ~~1.12~~ **7.34** **	--	--	--	--	--
6EX1	Less than ~~0.25~~ **9.71** **	Less than ~~0.04~~ **9.71** **	--	--	--	--	--
7EX1	Less than ~~1.54~~ **1.52** **	Less than ~~1.11~~ **1.52** **	--	--	--	--	--
9EX1, 10EX1, 11EX1, 12EX1	***	***	--	--	--	--	--

	Potential to Emit (tons/year)						
Emission Unit ID	PM	PM10	SO_2	VOC	CO	NO_X	HAP
~~13EX1, 13EX2, 13EX3~~ **24EX1**	Less than ~~31.89~~ **29.7** **	Less than ~~19.40~~ **29.7** **	--	--	--	--	--
~~14EX1, 14EX2, 14EX3~~ **24EX2**	Less than ~~31.89~~ **29.7** **	Less than ~~31.89~~ **29.7** **	--	--	--	--	--
16EX1, 16EX2, 16EX3, 18EX1, ~~21EX1~~	***	***	--	--	--	--	--
23EX1	Less than ~~14.67~~ **0.092** **	Less than ~~7.18~~ **0.092** **	--	--	--	--	--
25EX1, 25EX2, 8EX1, 27EX1, 29EX1, 30EX1	***	***	--	--	--	--	--
108EO1	Less than 0.55 lb/MMBtu	Less than 0.55 lb/MMBtu	--	--	--	--	--
1SP1, 2SP1	Less than 0.66 lb/MMBtu	Less than 0.66 lb/MMBtu	Less than 6.0 lb/MMBtu	--	--	--	--
3SP1	Less than 0.66 lb/MMBtu	Less than 0.66 lb/MMBtu	--	--	--	--	--
8SP1 / PM	11.4	11.4	--	--	--	--	--
24EX1, 24EX2, 24EX3, 24 EX4, 24EX5, 24EX6, 24EX7, 24EX9, 24EX10, 24EX11	--	--	--	(1) Less than 330,000 gal of hexane per year (2) Less than 0.2 gallons of hexane lost per ton of oilseed processed	--	--	(1) Less than 330,000 gal of hexane per year (2) Less than 0.2 gallons of hexane lost per ton of oilseed processed
~~21EX1~~ **24EX3 (total)**	~~***~~ **Less than 19.1**	~~***~~ **Less than 19.1**	--	--	--	--	--
24EX8a, 24EX8b	--	--	--	Less than 25	--	--	--
16EL1	***	***	--	--	--	--	--
17EX2	Less than 11.00 **	Less than 6.66 **	--	--	--	--	--
31EX1, 31EX2	***	***	--	--	--	--	--
Total	> 250	> 250	> 250	> 250	>100 < 250	> 250	Single: > 10 Total: > 25
Major Source Threshold	250	250	250	250	250	250	Single: 10 Total: 25

Comment 18: Please add the following existing insignificant activities to the *Insignificant Activities* section of the Technical Support Document as shown below. These activities should be specified within the permit since they were previously permitted. The calculations for these insignificant activities were also submitted in the original Title V application.

Insignificant Activities

(cc) Emission units with PM and PM10 emissions less than five (5) tons per year, SO_2, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year, consisting of:

(1) One (1) acetic anhydride storage tank.

(2) One (1) Hoffman vacuum system, for housekeeping.

(3) One (1) elevator/railcar pest control/fumigation.

(4) One (1) Millfeed storage bin, 22EX.

(5) One (1) Flake drag air brake fan, 15EX.

(6) One (1) Coal receiving operation, 6SP.

IDEM Response to Comment 19: These insignificant emission units do not have any specifically applicable requirements. IDEM has decided to list the source's insignificant activities in Section A of the permit. No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

A.3 Specifically Regulated Insignificant Activities
[326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant ~~activities~~ **activity** which ~~are~~ **is** specifically regulated, as defined in 326 IAC 2-7-1(21):

~~(a)~~ Paved and unpaved roads and parking lots with public access [326 IAC 6-4].

A.4 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities:

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(b) Propane or liquified petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.

(c) Combustion source flame safety purging on start-up.

(d) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.

(e) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 23,000 gallons per month.

(f) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(g) Machining where an aqueous cutting coolant continuously floods the machining interface.

(h) Degreasing operations that do not exceed 145 gallons per 12 months, and not subject to 326 IAC 20-6.

(i) Cleaners and solvents characterized as follows:

(1) having a vapor pressure equal to or less than 2 kPa; 15 mmHg; or 0.3 psi measured at 38 degrees C (100°F); or

(2) having a vapor pressure equal to or less than 0.7 kPa; 5 mmHg; or 0.1 psi measured at 20 degrees C (68°F);

the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(j) Closed loop heating and cooling systems.

(k) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.

(l) Water based adhesives that are less than or equal to 5% by volume of VOCs, excluding HAPs.

(m) Noncontact cooling tower systems with natural draft cooling towers not regulated under a NESHAP.

(n) Replacement or repair of electrostatic precipitators, bags in baghouses, and filters in other filtrations equipment.

(o) Heat exchanger cleaning and repair.

(p) Process vessel degreasing and cleaning to prepare for internal repairs.

(q) Underground conveyors.

(r) Coal bunker and coal scale exhausts and associated dust collector vents.

(s) Asbestos abatement projects regulated by 326 IAC 14-10.

(t) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.

(u) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(v) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.

(w) Stationary fire pumps.

(x) Purge double block and bleed valves.

(y) Filter or coalescer media changeout.

(z) Vents from ash transport systems not operated at positive pressure.

(aa) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(bb) Emission units with PM and PM10 emissions less than five (5) tons per year, SO2, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year, consisting of:

(1) One (1) acetic anhydride storage tank.

(2) One (1) Hoffman vacuum system, for housekeeping.

(3) One (1) elevator/railcar pest control/fumigation.

(4) One (1) Millfeed storage bin, 22EX.

(5) One (1) Flake drag air brake fan, 15EX.

(6) One (1) Coal receiving operation, 6SP.

~~A.4~~ **A.5** Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	Bunge North America
Source Location:	1200 North 2nd Street, Decatur, Indiana 46733
County:	Adams
SIC Code:	2075
Operating Permit No.:	T001-5610-00005
Issuance Date:	July 3, 2002
Permit Renewal No.:	T001-23640-00005
Permit Reviewer:	ERG/ST

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Bunge North America relating to the operation of a grain handling, soybean meal production, and soybean oil extraction plant.

History

Bunge North America was issued Part 70 Operating Permit T001-5610-00005 on July 3, 2002. On September 13, 2006, Bunge North America submitted an application to IDEM, OAQ requesting to renew its Part 70 Operating Permit. On March 20, 2007, Bunge North America submitted a permit modification application relating to the modification of an existing ash pulling system.

Permitted Emission Units and Pollution Control Equipment

NOTE: All throughputs and capacities are included in an IDEM, OAQ confidential file as they are considered confidential.

(a) Truck Dump #2, identified as 1EL1, constructed in 1980, using a baghouse for particulate matter (PM) control, and exhausting to stack 1EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(b) The following grain elevator components, together identified as 2EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 2EL, consisting of:

(1) One (1) dryer megatex enclosed conveyor, constructed in 1979;

(2) One (1) dryer rotex, constructed prior to 1977;

(3) One (1) screening bin hammermill, constructed in 1978;

(4) One (1) #1 scalperator, constructed prior to 1977;

(5) One (1) #2 scalperator, constructed prior to 1977;

(6) One (1) #3 scalperator, constructed prior to 1977;

(7) One (1) ext. screening bin, constructed prior to 1977;

(8) One (1) screening bin, constructed prior to 1977;

(9) One (1) solvent screening leg, constructed prior to 1977;

(10) One (1) #1 leg, constructed prior to 1977;

(11) One (1) #2 leg, constructed prior to 1977;

(12) One (1) #3 leg, constructed prior to 1977;

(13) One (1) west to east Hi-Roller, constructed prior to 1977;

(14) One (1) west to east belt loader, constructed prior to 1977;

(15) One (1) dry bean leg, constructed prior to 1977;

(16) One (1) #1 dryer Hi-Roller, constructed prior to 1977;

(17) One (1) weaver's belt, constructed prior to 1977; and

(18) One (1) 102 belt, constructed prior to 1977.

(c) The following grain elevator components, together identified as 5EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 5EL, consisting of:

(1) One (1) north tripper buggy, constructed prior to 1977;

(2) One (1) north galley belt loader, constructed prior to 1977;

(3) One (1) east west belt, constructed prior to 1977; and

(4) One (1) bin 102, constructed prior to 1977.

(d) One (1) north west receiving house enclosed conveyor identified as 8EL1, constructed prior to 1977, using oil suppressant for PM control, with no aspiration.

(e) The following grain elevator components together identified as 10EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 10EL, consisting of:

(1) One (1) rail loadout, constructed in 1984. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD;

(2) One (1) rail receiving, constructed in 1960;

(3) One (1) north leg, constructed prior to 1960; and

(4) One (1) south leg, constructed prior to 1960.

(f) The following grain elevator components together identified as 14EL1, using a baghouse and oil suppressant for PM control, and exhausting to stack 14EL, consisting of:

(1) One (1) jumbo silo east galley belt, constructed prior to 1977;

(2) One (1) jumbo silo west galley belt, constructed prior to 1977;

(3) One (1) jumbo silo crossover galley belt, constructed prior to 1977;

(g) One (1) natural gas fired grain dryer #2, identified as 19EL1, constructed in 1995, using self-cleaning screens for PM control, and exhausting to vent 19EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(h) One (1) truck dump #7, identified as 20EL1, constructed in 1997, consisting of one (1) weigh scale truck unloading pit, and two (2) enclosed bucket elevator legs, using two (2) baghouses in parallel for PM control, and exhausting to stack 20EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(i) Silo bin vents, identified as 3EL1, constructed prior to 1977, using soybean oil as a dust suppressant, and exhausting to vent 3EL.

(j) Silo direct loadout, identified as 4EL1, constructed prior to 1977, using soybean oil as a dust suppressant.

(k) One (1) south tripper buggy, one (1) south galley belt loader, and one (1) north south belt, identified as 6EL1, all constructed prior to 1977, using a baghouse and oil suppressant for PM control, and exhausting to stack 6EL.

(l) One (1) south west receiving house enclosed conveyor, identified as 7EL1, constructed prior to 1977, using oil suppressant for PM control with no aspiration.

(m) One (1) truck dump #3, identified as 9EL1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 9EL.

(n) One (1) truck dump #5, identified as 12EL1, constructed prior to 1977, using a baghouse for PM control, and exhausting to stack 12EL.

(o) One (1) jumbo silo east tunnel belt, one (1) jumbo silo west tunnel belt, and one (1) jumbo silo crossover tunnel belt, identified as 13EL1, all constructed prior to 1977, using a baghouse and oil suppressant for PM control, and exhausting to stack 13EL.

(p) One (1) truck dump #6, identified as 15EL1, constructed prior to 1977, using a baghouse for PM control, and exhausting to stack 15EL.

(q) Two (2) natural gas fired grain dryers, #4 and #5, identified as 17EL1, constructed in the 1960's, using self-cleaning screens for PM control, and exhausting to vent 17EL.

(r) One (1) Lec. Dept. filter aid unit, identified as 204RO1, constructed in 1980, with a maximum capacity of 2.5 tons of diatomaceous earth per hour, using a baghouse for PM control, and exhausting to stack 204RO.

(s) Daily use bins, identified as 102EO1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 102EO.

(t) Filter aid silos, identified as 103EO1, constructed in 1976, using a baghouse for PM control, and exhausting to stack 103EO.

(u) One (1) natural gas fired hydrogen generator furnace, identified as 107EO1, constructed in 1992, with a maximum heat input capacity of 25.2 MMBtu/hr, and exhausting to stack 107EO. This is an affected facility under the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.

(v) Salt conveying, identified as 4SP1, constructed in 1981, using a baghouse for PM control, and exhausting to stack 4SP.

(w) Six (6) flaking rolls, #1, #2, #3, #4, #5, and #6, constructed in 1996, and B flake n/s drag, constructed in 1991, all identified together as 1EX1, sharing fabric filters with 1EX2 for PM control, and exhausting to stack 1EX.

(x) One (1) flaking roll #14 and flaking roll discharge #14, identified as 1EX2, constructed in 1991, sharing fabric filters with 1EX1 for PM control, and exhausting to stack 1EX.

(y) One (1) ‘A’ conditioner, identified as 2EX1, constructed in the 1930's, with no PM control, and exhausting to stack 2EX.

(z) The following soybean processing equipment, together identified as 3EX1, sharing a cyclone with 3EX2 for PM control, and exhausting to stack 3EX, consisting of:

(1) Four (4) flaking rolls, #9, #10, #11, and #12, constructed in 1978;

(2) One (1) flaking roll #13, constructed in 1985;

(3) One (1) ‘A’ flake n/s drag, constructed in 1993; and

(4) One (1) ‘A’ flake e/w drag, constructed in 1993.

(aa) One (1) north run around drag, identified as 3EX2, constructed in 1984, sharing a cyclone with 3EX1, and exhausting to stack 3EX.

(bb) The following soybean processing equipment, together identified as 4EX1, sharing a baghouse with 4EX2 and 4EX3 for PM control, and exhausting to stack 4EX, consisting of:

(1) One (1) whole bean scale, constructed in 1989;

(2) One (1) ‘A’ whole bean leg, constructed in 1997;

(3) One (1) ‘A’ surge bin, constructed prior to 1979;

(4) One (1) whole bean drag, constructed in 1981; and

(5) One (1) ‘B’ surge bin, constructed prior to 1979.

(cc) A run around rework screw, identified as 4EX2, constructed in 1991, sharing a baghouse with 4EX1 and 4EX3 for PM control, and exhausting to stack 4EX.

(dd) The following soybean processing equipment, together identified as 4EX3, sharing a baghouse with 4EX1 and 4EX2 for PM control, and exhausting to stack 4EX, consisting of:

(1) One (1) hull refining screw conveyor, constructed in 1991;

(2) One (1) hull refining process, constructed in 1991; and

(3) One (1) hull grinding process, constructed in 1987.

(ee) Dehulling equipment, identified as 5EX1, constructed in 1997, sharing a baghouse with 5EX2 and 5EX3 for PM control, and exhausting to stack 5EX.

(ff) Hot dehulling equipment, identified as 5EX2, constructed in 1991, sharing a baghouse with 5EX1 and 5EX3 for PM control, and exhausting to stack 5EX.

(gg) Screening aspiration, identified as 5EX3, constructed in 1988, sharing a baghouse with 5EX1 and 5EX2 for PM control, and exhausting to stack 5EX.

(hh) Truck loadout, identified as 6EX1, constructed in 1982, replaced in 1999, using a baghouse for PM control, and exhausting to stack 6EX.

(ii) The following soybean processing equipment, together identified as 7EX1, using a baghouse for PM control, and exhausting to stack 7EX, consisting of:

(1) One (1) north megamill, constructed in 1993;

(2) One (1) south megamill, constructed in 1993; and

(3) One (1) stedman grinder, constructed in 1983.

(jj) One (1) leg No. 2, one (1) mixing conveyor, and one (1) bin drag, together identified as 9EX1, all constructed in 1983, using a baghouse for PM control, and exhausting to stack 9EX.

(kk) The following soybean processing equipment, together identified as 10EX1, using a baghouse for PM control, and exhausting to stack 10EX, consisting of:

(1) One (1) leg No. 3, constructed in the 1950's;

(2) One (1) tunnel drag, constructed in 1983; and

(3) One (1) meal loadout drag, constructed in 1982.

(ll) One (1) kaolin bin, identified as 11EX1, constructed in the 1950's, using a baghouse for PM control, and exhausting to stack 11EX.

(mm) One (1) meal loadout bin, identified as 12EX1, constructed in 1982, using a baghouse for PM control, and exhausting to stack 12EX.

(nn) One (1) pre-DT section on top of 'A' top dryer section, constructed in 1996, and exhausting to 'A' top dryer section for PM control and one (1) ‘A’ top dryer section, identified as 13EX1, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.

(oo) One (1) ‘A’ middle dryer section, identified as 13EX2, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.

(pp) One (1) ‘A’ bottom cooler section, identified as 13EX3, constructed in 1980, using a cyclone for PM control, exhausting to stack 13EX, with hexane emissions reported in 24EX.

(qq) One (1) pre-DT section on top of 'B' top dryer section, constructed in 1996, and exhausting to 'B' top dryer section for PM control, and one (1) ‘B’ top dryer section, identified as 14EX1, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.

(rr) One (1) ‘B’ middle dryer section, identified as 14EX2, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.

(ss) One (1) ‘B’ bottom cooler section, identified as 14EX3, constructed in 1980, using a cyclone for PM control, exhausting to stack 14EX, with hexane emissions reported in 24EX.

(tt) One (1) meal cooler, identified as 21EX1, constructed in 1996, using two (2) cyclones for PM control and exhausting to stacks 21EX1A and 21EX1B, with hexane emissions reported in 24EX.

(uu) One (1) belt to storage bowls, one (1) large storage bowl, and one (1) small storage bowl, identified as 16EX1, 16EX2, and 16EX3, respectively, all constructed in 1982, with no PM control, and exhausting to stack 16EX.

(vv) Whole bean bins, identified as 18EX1, constructed in the 1940's, with no PM control, and exhausting to stack 18EX.

(ww) Meal storage silos with bin vents, identified as 23EX1, constructed in the 1950's, and one (1) bin vent filter, exhausting to stack 23EX.

(xx) One (1) zinc receiving bin, identified as 25EX1, constructed in 1994, sharing a bin vent filter with 25EX2 for PM control, and exhausting to stack 25EX.

(yy) One (1) zinc surge bin, identified as 25EX2, constructed in 1994, sharing a bin vent filter with 25EX1 for PM control, and exhausting to stack 25EX.

(zz) One (1) rumen conveyor, identified as 8EX1, constructed in 1994, using a cyclone for PM control, and exhausting to stack 8EX.

(aaa) One (1) rotary reactor, identified as 27EX1, constructed in the 1994, using a cyclone for PM control, and exhausting to stack 27EX.

(bbb) Rumen loadout bins, identified as 29EX1, constructed in 1994, using a bin vent filter for PM control, and exhausting to stack 29EX.

(ccc) Rumen rework surge bin, identified as 30EX1, constructed in 1994, using a fabric filter for PM control, and exhausting to stack 30EX.

(ddd) One (1) natural gas fired steam generator, identified as 110EO1, constructed in 2002, with a maximum heat input capacity of 14 MMBtu/hr, and exhausting to stack 110EO. This is an affected facility under the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.

(eee) One (1) natural gas fired steam generator #3, identified as 108EO1, constructed in 1994, with a maximum heat input capacity of 14 MMBtu/hr, and exhausting to stack 108EO. This is an affected facility under the New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generating Units 40 CFR 60, Subpart Dc.

(fff) One (1) B & W coal fired boiler, identified as 1SP1, constructed in 1950, using multiple cyclones and a baghouse for control of particulate and HAPs, and exhausting to stack 1SP.

(ggg) One (1) Keeler coal fired boiler, identified as 2SP1, constructed in 1963, using multiple cyclones and a baghouse for control of particulate and HAPs, and exhausting to stack 1SP.

(hhh) One (1) Murray natural gas fired, vegetable oil-fired, waste oil-fired, and hazardous chemical fired boiler, identified as 3SP1, constructed in 1968, and exhausting to stack 1SP.

(iii) Hexane extraction system, identified as 24EX1, modified prior to 1980, with hexane emissions from the vent system controlled by a mineral oil absorber, and exhausting to stack 24EX1 (for reporting purposes, all other hexane emissions are collectively accounted for in the total hexane losses named 24EX). This is an affected facility under

the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(jjj) One (1) pre DT section on top of 'A' top dryer section, constructed in 1996, and one (1) 'A' DTDC top dryer section, constructed prior to 1980, both identified as 24EX2, with hexane emissions controlled by a mineral oil absorber and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(kkk) One (1) 'A' DTDC middle dryer section, identified as 24EX3, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(lll) One (1) 'A' DTDC bottom cooler section, identified as 24EX4, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(mmm) One (1) pre-DT section on top of 'B' top dryer section, constructed in 1996, and one (1) 'B' DTDC top dryer section, constructed prior to 1980, both identified as 24EX5, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(nnn) One (1) 'B' DTDC middle dryer section, identified as 24EX6, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(ooo) One (1) 'B' DTDC bottom cooler section, identified as 24EX7, constructed prior to 1980, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(ppp) One (1) meal cooler, identified as 21EX1, constructed in 1996, with hexane emissions controlled by a mineral oil absorber, and reported in 24EX. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(qqq) Two (2) hexane storage tanks, identified as 24EX8a and 24EX8b, constructed in 1995 and 2005, respectively, and vented to the mineral oil absorber inlet. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(rrr) Wastewater system containing hexane, identified as 24EX9, constructed prior to 1980, and exhausting at the plant treatment facility. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(sss) One (1) refined oil hot well, identified as 24EX10, constructed in 1975. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(ttt) One (1) sampling/hexane unloading port, identified as 24EX11, and with no control. This is an affected facility under the National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production 40 CFR 63, Subpart GGGG.

(uuu) One (1) natural gas fired grain dryer #1, identified as 16EL1, constructed in 1986, using self-cleaning screens for PM control, and exhausting to stack 16EL. This is an affected facility under the New Source Performance Standard for Grain Elevators 40 CFR 60.300, Subpart DD.

(vvv) The following soybean processing equipment, identified as 17EX2, modified in 1987, using a cyclone for PM control, and exhausting to stack 17EX, consisting of:

(1) One (1) flaking roll #8, constructed in 1981; and

(2) One (1) 'B' flake e/w drag, constructed in 1980.

(www) Two (2) conditioners identified as 31EX1 and 31EX2 constructed in 2002, and exhausting internally.

New Emission Units and Pollution Control Equipment to be Added in this Part 70 Operating Permit Renewal

(xxx) One (1) enclosed pneumatic ash conveying and loading operation, constructed in the 1950's, identified as emission unit 8SP1, with a maximum capacity of 4,456 tons per year of ash, using a baghouse for emission control, and exhausting to stack 1SP. The ash loading operation uses water spray for fugitive emission mitigation.

Insignificant Activities

(a) Paved and unpaved roads and parking lots with public access [326 IAC 6-4].

(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(c) Propane or liquified petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.

(d) Combustion source flame safety purging on start-up.

(e) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.

(f) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 23,000 gallons per month.

(g) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(h) Machining where an aqueous cutting coolant continuously floods the machining interface.

(i) Degreasing operations that do not exceed 145 gallons per 12 months, and not subject to 326 IAC 20-6.

(j) Cleaners and solvents characterized as follows:

(1) having a vapor pressure equal to or less than 2 kPa; 15 mmHg; or 0.3 psi measured at 38 degrees C (100°F); or

(2) having a vapor pressure equal to or less than 0.7 kPa; 5 mmHg; or 0.1 psi measured at 20 degrees C (68°F);

the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(k) Closed loop heating and cooling systems.

(l) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.

(m) Water based adhesives that are less than or equal to 5% by volume of VOCs, excluding HAPs.

(n) Noncontact cooling tower systems with natural draft cooling towers not regulated under a NESHAP.

(o) Replacement or repair of electrostatic precipitators, bags in baghouses, and filters in other filtrations equipment.

(p) Heat exchanger cleaning and repair.

(q) Process vessel degreasing and cleaning to prepare for internal repairs.

(r) Underground conveyors.

(s) Coal bunker and coal scale exhausts and associated dust collector vents.

(t) Asbestos abatement projects regulated by 326 IAC 14-10.

(u) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.

(v) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(w) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.

(x) Stationary fire pumps.

(y) Purge double block and bleed valves.

(z) Filter or coalescer media changeout.

(aa) Vents from ash transport systems not operated at positive pressure.

(bb) A laboratory as defined in 326 IAC 2-7-1(21)(D).

(cc) Emission units with PM and PM10 emissions less than five (5) tons per year, SO2, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year, consisting of:

(1) One (1) acetic anhydride storage tank.

(2) One (1) Hoffman vacuum system, for housekeeping.

(3) One (1) elevator/railcar pest control/fumigation.

Existing Approvals

Since the issuance of Part 70 Operating Permit T001-5610-00005 on July 3, 2002, the source has constructed or has been operating under the following approvals as well:

(a) First Administrative Amendment 001-18591-00005, issued on February 6, 2004;

(b) Second Administrative Amendment 001-21530-00005, issued on September 23, 2005;

(c) Third Administrative Amendment 001-22311-00005, issued on December 8, 2005; and

(d) Fourth Administrative Amendment 001-22367-00005, issued on January 6, 2006.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

The following terms and conditions from previous approvals have been revised in this Part 70 Operating Permit Renewal

(a) Condition D.4.2 of Part 70 Operating Permit T001-5610-00005 has been removed. This condition required the Permittee to keep records under 40 CFR 60, Subpart Kb of the hexane extraction tanks identified as 24EX8a and 24EX8b. 40 CFR 60, Subpart Kb was revised on October 15, 2003 and these changes were incorporated into the Indiana SIP on November 14, 2005. Under the current version of 40 CFR 60, Subpart Kb, the Permittee is not required to keep records for these tanks.

(b) Descriptions of emission units 2EL1, 5EL1, 8EL1, and 14EL1 have been revised to show the original construction dates for this equipment. Although these emission units were altered subsequent to August 3, 1978, these changes do not meet the definition of "construction" or "modification". Therefore, the descriptions for these emission units have been revised in order to clarify that these emission units are not subject to the requirements of 40 CFR 60, Subpart DD. See Comment 25 in the Addendum for T001-5610-00005 and the *Federal Rule Applicability* section of this TSD for a full discussion of the applicability of 40 CFR 60, Subpart DD to the emission units at this source.

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

All calculations are included in an IDEM, OAQ confidential file because the capacities and throughputs are considered confidential.

County Attainment Status

The source is located in Adams County.

Pollutant	Status
PM10	Attainment
PM2.5	Attainment
SO_2	Attainment
NOx	Attainment
8-hour Ozone	Attainment
CO	Attainment

Pollutant	Status
Lead	Attainment

(a) Adams County has been classified as attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM 2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions. See the State Rule Applicability – Entire Source section.

(b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NOx emissions are considered when evaluating the rule applicability relating to ozone. Adams County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Adams County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(d) Fugitive Emissions
Since this type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD or Emission Offset applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	tons/year
PM	40,840
PM10	11,000
SO_2	998
VOC	764
CO	204
NO_x	463
Single HAP (Hexane)	758
Total HAPs	758

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM10, SO_2, NOx, VOC, and CO is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of a single HAP (hexane) is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions
Since this type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are not counted toward the determination of Part 70 applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2005 OAQ emission data.

Pollutant	**Actual Emissions** (ton/yr)
PM	434
PM_{10}	434
SO_2	377
VOC	251
CO	73.0
NO_X	267
Single HAP (hexane)	148
Total HAPs	148

Description of Proposed Modification

On March 20, 2007, during the Part 70 Operating Permit renewal process, Bunge North America submitted a permit modification application relating to the modification of an existing ash pulling system. The ash pulling system was originally constructed in the 1950's with two cyclones for emission control. The modification of the system involves the removal of the cyclones and their replacement with a baghouse. The following is a list of the modified emission unit and pollution control device:

> One (1) enclosed pneumatic ash conveying and loading operation, constructed in the 1950's, identified as emission unit 8SP, with a maximum capacity of 4,456 tons per year of ash, using a baghouse for emission control, and exhausting to stack 1SP. The ash loading operation uses water spray for fugitive emission mitigation.

There is no increase in the potential to emit of any regulated pollutants associated with this modification. As a result, the modification will be incorporated into the Part 70 Operating Permit Renewal because it is not required by the Part 70 program to be processed as a significant modification. The requirements for this emission unit are discussed in the *State Rule Applicability* section of this TSD.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

(a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.

(b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit renewal, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Potential to Emit (tons/year)						
Emission Unit ID	**PM**	**PM10**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAP**
1EL1, 10EL1 (rail loadout), 20 EL1	Less than 0.01 gr/dscf *	Less than 0.01 gr/dscf *	--	--	--	--	--
19EL1	Not greater than 5.96 **	Not greater than 1.24 **	--	--	--	--	--
10EL1, 3EL1, 4EL1, 6EL1, 7EL1, 9EL1, 12EL1, 13EL1, 15EL1, 17EL1, 204RO1, 102EO1, 103EO1	***	***	--	--	--	--	--
4SP1	***	***	--	--	--	--	--
1EX1 and 1EX2	Less than 2.26 **	Less than 1.40 **	--	--	--	--	--
2EX1, 3EX1, 3EX2	***	***	--	--	--	--	--
4EX1, 4EX2, 4EX3	Less than 5.17 **	Less than 1.01 **	--	--	--	--	--
5EX1, 5EX2, 5EX3	Less than 7.38 **	Less than 1.12 **	--	--	--	--	--
6EX1	Less than 0.25 **	Less than 0.04 **	--	--	--	--	--
7EX1	Less than 1.54 **	Less than 1.11**	--	--	--	--	--
9EX1, 10EX1, 11EX1, 12EX1	***	***	--	--	--	--	--
13EX1, 13EX2, 13EX3	Less than 31.89 **	Less than 19.40 **	--	--	--	--	--
14EX1, 14EX2, 14EX3	Less than 31.89 **	Less than 31.89 **	--	--	--	--	--
16EX1, 16EX2, 16EX3, 18EX1, 21EX1	***	***	--	--	--	--	--
23EX1	Less than 14.67 **	Less than 7.18 **	--	--	--	--	--
25EX1, 25EX2, 8EX1, 27EX1, 29EX1, 30EX1	***	***	--	--	--	--	--
108EO1	Less than 0.55 lb/MMBtu	Less than 0.55 lb/MMBtu	--	--	--	--	--
1SP1, 2SP1	Less than 0.66 lb/MMBtu	Less than 0.66 lb/MMBtu	Less than 6.0 lb/MMBtu	--	--	--	--
3SP1	Less than 0.66 lb/MMBtu	Less than 0.66 lb/MMBtu	--	--	--	--	--
8SP1 / PM	11.4	11.4	--	--	--	--	--
24EX1, 24EX2, 24EX3, 24 EX4, 24EX5, 24EX6, 24EX7, 24EX9, 24EX10, 24EX11	--	--	--	(1) Less than 330,000 gal of hexane per year (2) Less than 0.2 gallons of hexane lost per ton of oilseed processed	--	--	(1) Less than 330,000 gal of hexane per year (2) Less than 0.2 gallons of hexane lost per ton of oilseed processed
21EX1	***	***	--	--	--	--	--
24EX8a, 24EX8b	--	--	--	Less than 25	--	--	--
16EL1	***	***	--	--	--	--	--

	Potential to Emit (tons/year)						
Emission Unit ID	**PM**	**PM10**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAP**
17EX2	Less than 11.00 **	Less than 6.66 **	--	--	--	--	--
31EX1, 31EX2	***	***	--	--	--	--	--
Total	**> 250**	**> 250**	**> 250**	**> 250**	**>100 < 250**	**> 250**	**Single: > 10 Total: > 25**
Major Source Threshold	**250**	**250**	**250**	**250**	**250**	**250**	**Single: 10 Total: 25**

-- emissions are negligible.
For units in the table above subject to an NSPS limit or 326 IAC 6-3-2, PTE for PM/PM10 is not shown because the process weight rate or maximum capacity of these units is confidential.
* NSPS limit
** PSD limit
*** The PM emissions from these emission units are limited by 326 IAC 6-3-2. The potential to emit of PM10 from these emission units is unknown and is not necessary for the determination of rule applicability.

(a) This existing stationary source is major for PSD because the emissions of at least one attainment pollutant are greater than two hundred fifty (>250) tons per year, and is not one of the twenty-eight (28) listed source categories.

(b) Fugitive Emissions
Since this type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Federal Rule Applicability

The following federal rules are applicable to the source:

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to existing emission units that involve a pollutant-specific emission unit and meet the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each existing emission unit and specified pollutant subject to CAM. The requirements of CAM are applicable to the regulated pollutants PM, PM10, SO_2, NOx, CO, VOC and HAPs.

Emission Unit / Pollutant	Control Device Used **	Emission Limitation (Y/N)	Uncontrolled PTE Greater than Major Source Threshold (Y/N)	Major Source Threshold (tons/year	CAM Applicable (Y/N)	Large Unit (Y/N)
1EL1 / PM10	Y [b]	Y (NSPS)	Y	100	N *	N
2EL1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
5EL1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
8EL1 / PM	N	Y (326 IAC 6-3)	N	100	N	N
10EL1 / PM10	Y [b]	Y (NSPS)	N	100	N *	N
10EL1 / PM	Y [b]	Y (326 IAC 6-3)	N	100	N	N
14EL1 / PM10	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
19EL1 / PM10	Y [s]	Y (326 IAC 2-2)	N	100	N	N
20EL1 / PM10	Y [b]	Y (NSPS)	N	100	N *	N
3EL1 / PM	N	Y (326 IAC 6-3)	Y	100	N	N
4EL1 / PM	N	Y (326 IAC 6-3)	N	100	N	N
6EL1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
7EL1 / PM	N	Y (326 IAC 6-3)	Y	100	N	N
9EL1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
12EL1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
13EL1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
15EL1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
17EL1 / PM	N	Y (326 IAC 6-3)	N	100	N	N
204RO1 / PM	Y [b]	Y (326 IAC 6-3)	N	100	N	N
102EO1 / PM	Y [b]	Y (326 IAC 6-3)	N	100	N	N
103EO1 / PM	Y [b]	Y (326 IAC 6-3)	N	100	N	N
107EO1	N	N	N	100	N	N
4SP1 / PM	Y [b]	Y (326 IAC 6-3)	N	100	N	N
1EX1&2 / PM	Y [f]	Y (326 IAC 6-3)	Y	100	Y	N
2EX1 / PM	N	Y (326 IAC 6-3)	N	100	N	N
3EX1&2 / PM	Y [c]	Y (326 IAC 6-3)	Y	100	Y	N
4EX1&2&3 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
5EX1&2&3 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
6EX1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
7EX1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
9EX1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
10EX1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
11EX1 / PM	Y [b]	Y (326 IAC 6-3)	N	100	N	N
12EX1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
13EX1&2&3 / PM	Y [c]	Y (326 IAC 6-3)	Y	100	Y	N
14EX1&2&3 / PM	Y [c]	Y (326 IAC 6-3)	Y	100	Y	N
21EX1 / PM	Y [c]	Y (326 IAC 6-3)	Y	100	Y	N
16EX1&2&3 / PM	N	Y (326 IAC 6-3)	Y	100	N	N
18EX1 / PM	N	Y (326 IAC 6-3)	N	100	N	N
23EX1 / PM	Y [f]	Y (326 IAC 6-3)	N	100	N	N
25EX1&2 / PM	Y [f]	Y (326 IAC 6-3)	Y	100	Y	N
8EX1 / PM	Y [c]	Y (326 IAC 6-3)	N	100	N	N
27EX1 / PM	Y [c]	Y (326 IAC 6-3)	N	100	N	N
29EX1 / PM	Y [f]	Y (326 IAC 6-3)	N	100	N	N
30EX1 / PM	Y [f]	Y (326 IAC 6-3)	N	100	N	N
110EO1	N	N	N	100	N	N
108EO1	N	N	N	100	N	N
8SP1 / PM	Y [b]	Y (326 IAC 6-3)	Y	100	Y	N
1SP1 / PM, HAPs	Y [b, c]	Y (326 IAC 6-2, NESHAP)	Y	100 / 10 / 25	N *	N
2SP1 / PM, HAPs	Y [b, c]	Y (326 IAC 6-2, NESHAP)	Y	100 / 10 / 25	N *	N
3SP1 / PM	N	Y (326 IAC 6-2)	N	100	N	N
24EX1 / (HAP)	Y [a]	Y (NESHAP)	Y	10	N *	N
16EL1 / PM	Y [s]	Y (326 IAC 6-3)	N	100	N	N
17EX2 / PM	Y [c]	Y (326 IAC 6-3)	N	100	N	N
31EX1&2 / PM	N	Y (326 IAC 6-3)	N	100	N	N

* These emission units are not subject to CAM because they are subject to an NSPS or a NESHAP.
** Control Device: a = mineral oil absorber, b = baghouse, c = cyclone, f = fabric filter, s = self-cleaning screens

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are applicable to the emission units identified as 2EL1, 5EL1, 14EL1, 6EL1, 9EL1, 12EL1, 13EL1, 15EL1, 1EX1, 3EX1, 4EX1, 5EX1, 6EX1, 7EX1, 9EX1, 10EX1, 12EX1, 13EX1&2&3, 14EX1&2&3, 21EX1, 25EX1&2, and

8SP1. A detailed explanation of the requirements under CAM is included in the Compliance Determination Requirements and Compliance Monitoring Requirements section of this TSD.

(b) The emission units identifed as truck dump #2 (1EL1), rail loadout (10EL1), and truck dump #7 (20EL1) are subject to the New Source Performance Standard for Grain Elevators (40 CFR 60, Subpart DD), which is incorporated by reference as 326 IAC 12. These emission units are located at a grain elevator and were constructed after August 3, 1978.

Nonapplicable portions of the NSPS will not be included in the permit. The emission units identifed as truck dump #2 (1EL1),rail loadout (10EL1), and truck dump #7 (20EL1) are subject to the following portions of 40 CFR 60, Subpart DD:

40 CFR 60.300
40 CFR 60.301
40 CFR 60.302(b), (c)
40 CFR 60.303
40 CFR 60.304

The provisions of 40 CFR 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1-1, apply to truck dump #2 (1EL1), rail loadout (10EL1), and truck dump #7 (20EL1) except when otherwise specified in 40 CFR 60, Subpart DD.

(c) The emission units identified as grain dryer #1 (16EL1) and grain dryer #2 (19EL1) are subject to the New Source Performance Standard for Grain Elevators (40 CFR 60, Subpart DD), which is incorporated by reference as 326 IAC 12. However, these emission units have no applicable regulations under 40 CFR 60, Subpart DD because, pursuant to 40 CFR 60.302(a)(1), these column grain dryers have 0.083 inch diameter screen openings in the column plate, which is less than 0.094 inch diameter openings. Pursuant to 40 CFR 60.302(a), the requirements of 40 CFR 60, Subpart DD apply only to column dryers with column plate perforation exceeding 0.094 inch.

(d) The requirements of the New Source Performance Standard for Grain Elevators (40 CFR 60, Subpart DD) are not included in this permit for dryer megatex enclosed conveyor (2EL1), dryer rotex (2EL1), west to east Hi-Roller (2EL1), #1 dryer Hi-Roller (2EL1), weaver's belt (2EL1), 102 belt (2EL1), north tripper buggy (5EL1), north galley belt loader (5EL1), east west belt (5EL1), north west receiving house enclosed conveyor (8EL1), jumbo silo west galley belt (14EL1), silo direct loadout (4EL1), south tripper buggy (6EL1), south galley belt loader (6EL1), north south belt (6EL1), south west receiving house enclosed conveyor (7EL1), truck dump #3 (9EL1), truck dump #5 (12EL1), jumbo silo east tunnel belt (13EL1), jumbo silo west tunnel belt (13EL1), jumbo silo crossover tunnel belt (13EL1), truck dump #6 (15EL1), and grain dryers #4 and #5 (17EL1) because these facilities were constructed prior to August 3, 1978 and have not been re-constructed or modified since that date. Although the facilities identified as dryer megatex enclosed conveyor (2EL1), dryer rotex (2EL1), west to east Hi-Roller (2EL1), #1 dryer Hi-Roller (2EL1), weaver's belt (2EL1), 102 belt (2EL1), north tripper buggy (5EL1), north galley belt loader (5EL1), east west belt (5EL1), north west receiving house enclosed conveyor (8EL1), and jumbo silo west galley belt (14EL1) were altered after August 3, 1978, those alterations did not meet the definition of a modification under the NSPS.

(e) The requirements of the New Source Performance Standard for Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60, Subpart Db) are not included in this permit for the B & W coal fired boiler (1SP1), the Keeler coal fired boiler (2SP1), and the Murray natural gas fired, vegetable oil-fired, waste oil-fired, and hazardous chemical fired boiler (3SP1) because these boilers were constructed prior to June 19, 1984.

(f) The natural gas fired steam generators (107EO1, 110EO1 and 108EO1) are subject to the requirements of the New Source Performance Standards for Small Industrial -

Commercial - Institutional Steam Generating Units (40 CFR 60.40c-48c, Subpart Dc) because these boilers have a maximum heat input capacity greater than 10 MMBtu/hr and less than 100 MMBtu/hr and were constructed after the June 9, 1989 applicability date. These steam generators have a heat input capacity less than 30 MMBtu per hour. Non-applicable portions of the NSPS will not be included in the permit. Steam generators 107EO1, 110EO1 and 108EO1 are subject to the following portions of 40 CFR 60, Subpart Dc:

40 CFR 60.40c(a), (b)
40 CFR 60.41c
40 CFR 60.48c(a)(1), (g), (i)

The provisions of 40 CFR 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1-1, apply to steam generators 107EO1, 110EO1 and 108EO1 except when otherwise specified in 40 CFR 60, Subpart Dc.

(g) The requirements of the New Source Performance Standards for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (40 CFR 60, Subpart Kb) are not included in this permit for the hexane storage tanks (24EX8a and 24EX8b) because the capacity of these tanks is less than 75 cubic meters.

(h) The requirements of the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60, Subpart IIII) are not included in this permit for the insignificant diesel-fired emergency fire pump engines because these engines were manufactured prior to July 1, 2006.

(i) The requirements of the National Emission Standards for Halogenated Solvent Cleaning (326 IAC 20-6, 40 CFR 63, Subpart T) are not included in this permit for the degreasing operations. The degreasing operations do not use a solvent containing methylene chloride, perchlorethylene, trichloroethylene, 1,1,1-trichlorethane, carbon tetrachloride, chloroform or any combination of these halogenated HAP solvents in a total concentration greater than five percent (5%) by weight as a cleaning or drying agent.

(j) The natural gas fired steam generator #3 (108EO1), the Murray natural gas fired, vegetable oil-fired, waste oil-fired, and hazardous chemical fired boiler (3SP1), the B & W coal fired boiler (1SP1) and the Keeler coal fired boiler (2SP1) at Bunge North America would have been subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Industrial, Commercial, and Institutional Boilers and Process Heaters, Subpart DDDDD. However, on June 8, 2007, the United States Court of Appeals for the District of Columbia Circuit (in *Sierra Club vs EPA*, 2007 U.S. App, No. 04-1385), vacated 40 CFR 63, Subpart DDDDD in its entirety. Therefore, 40 CFR 63 Subpart DDDDD and all applicable portions have been removed from this permit.

(k) The hexane extraction system and associated equipment, including 24EX1, 24EX2, 24EX3, 24EX4, 24EX5, 24EX6, 24EX7, 21EX, 24EX8a and 24EX8b, 24EX9, 24EX10, and 24EX11, are subject to the National Emission Standards for Hazardous Air Pollutants for Vegetable Oil Production; Solvent Extraction (40 CFR 63, Subpart GGGG), which is incorporated by reference as 326 IAC 20-60, because this is a vegetable oil production process that is a major source of HAP emissions. Non-applicable portions of the NESHAP will not be included in the permit. The hexane extraction system and associated equipment, including 24EX1, 24EX2, 24EX3, 24EX4, 24EX5, 24EX6, 24EX7, 21EX, 24EX8a and 24EX8b, 24EX9, 24EX10, and 24EX11, are subject to the following portions of 40 CFR 63, Subpart GGGG:

40 CFR 63.2830
40 CFR 63.2831
40 CFR 63.2832

40 CFR 63.2833(a), (d)
40 CFR 63.2834
40 CFR 63.2840(a), (b), (c), (d)
40 CFR 63.2850(a), (b), (e)
40 CFR 63.2851
40 CFR 63.2852
40 CFR 63.2853
40 CFR 63.2854
40 CFR 63.2855
40 CFR 63.2860(a), (c), (d)
40 CFR 63.2861
40 CFR 63.2862
40 CFR 63.2863
40 CFR 63.2870
40 CFR 63.2871
40 CFR 63.2872

The provisions of 40 CFR 63, Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the hexane extraction system and associated equipment, including 24EX1, 24EX2, 24EX3, 24EX4, 24EX5, 24EX6, 24EX7, 21EX, 24EX8a and 24EX8b, 24EX9, 24EX10, and 24EX11, except when otherwise specified in 40 CFR 63, Subpart GGGG.

(l) The requirements of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines 40 CFR 63, Subpart ZZZZ are not included in this permit for the stationary fire pump engines because these engines have a site-rating of less than 500 brake horsepower.

(m) Pursuant to a Consent Decree entered into between U.S. EPA and Bunge, North America on October 12, 2007 (United States, et. al. v. Bunge North America, Inc. et. al, Case No. 2:06-CV-2209) the source will limit solvent loss from the hexane extraction facilities to less than 0.15 gallon per ton of soybeans processed.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

(a) The potential to emit of PM, PM10, SO_2, VOC, CO, and NOx are all greater than two hundred and fifty (250) tons per hear. Therefore, the source is a major source under Prevention of Significant Deterioration (PSD).

(b) Pursuant to CP 001-4673-00005, issued May 10, 1996, and AA 001-9930-00005, issued September 17, 1998:

(1) The amount of soybean grains processed after the grain dryers shall be limited to less than 1,368,750 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, and

(2) The PM and PM10 emissions shall be limited as follows:

EU ID	Stack ID	PM Limit (lb/hr)	PM10 Limit (lb/hr)
19EL1	19EL	1.36	0.283
1EX1, 1EX2	1EX	0.516	0.320
4EX1, 4EX2, 4EX3	4EX	1.181	0.230
5EX1, 5EX2, 5EX3	5EX	1.684	0.255
7EX1	7EX	0.351	0.254
13EX1, 13 EX2, 13EX3	13EX	7.38	4.43
14EX1, 14 EX2, 14EX3	14EX	7.38	4.43
21EX1	21EX	17.7	10.8
23EX1	23EX	3.28	1.64

6EX1	6EX	0.056	0.008

These limits restrict the net increases of PM and PM10 emissions from the modification in 1996 to below the PSD significant levels of twenty-five (25) and fifteen (15) tons per year, respectively. This will render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the modification performed in 1996.

(c) Pursuant to CP (002) 2005, issued August 23, 1991, the hexane usage for all of the oil extraction facilities (24EX1 through 24EX11) combined shall be limited to less than 330,000 gallons per twelve (12) consecutive month period to ensure that the increase in hexane emissions from these units remains below 39.2 tons per year. This will ensure that 326 IAC 2-2 (Prevention of Significant Deterioration) does not apply to this modification.

326 IAC 2-4.1 (Hazardous Air Pollutants)

The source is not subject to the requirements of 326 IAC 2-4.1 because it has not constructed or reconstructed a major source of HAPs after July 27, 1997.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting) because it is required to have an operating permit under 326 IAC 2-7, Part 70 program. Pursuant to this rule, the Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. The source's potential to emit of VOC and PM10 is greater than 250 tons per year. In accordance with the compliance schedule specified in 326 IAC 2-6-3, an emission statement must be submitted annually by July 1. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in the permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

The source is subject to 326 IAC 6-4 (Fugitive Dust Emissions) because the source maintains paved and unpaved roads and parking lots with public access. Pursuant to 326 IAC 6-4, the Permittee shall not generate fugitive dust to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is not located in a county listed in 326 IAC 6-5-1(a) and has not added a facility with the potential to emit fugitive particulate matter greater than 25 tons per year, which requires a permit as set forth in 326 IAC 2, after December 13, 1985. Therefore, pursuant to 326 IAC 6-5-1, this source is not subject to the requirements of 326 IAC 6-5.

State Rule Applicability – Individual Facilities

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-2, the particulate from the grain handling and soybean meal production facilities listed in the table below shall be limited by the equation(s) following this table:

Unit	Description
2EL1	Dryer Megatex Conveyor, Dryer Rotex, Screening Bin Hammermill, #1, #2, and #3 Scalperators, Screening Bins, Solvent Screening Leg, #1 Leg, #2 Leg, #3 Leg, West to East Hi-Roller, West to East Belt Loader, Dry Bean Leg, #1 Dryer Roller, Weaver's Belt, 102 Belt
5EL1	North Tripper Buggy, North Galley Belt Loader, East West Belt, Bin 102
8EL1	North West Receiving House Enclosed Conveyor
10EL1	Rail Receiving, North Leg, South Leg, Rail Loadout
14EL1	Jumbo Silo East and West Galley Belts, Jumbo Silo Crossover Galley Belt
3EL1	Silo Bin Vents
4EL1	Silo Direct Loadout
6EL1	South Tripper Buggy, South Galley Belt Loader, North South Belt
7EL1	South West Receiving House Conveyor
9EL1	Truck Dump #3
12EL1	Truck Dump #5
13EL1	Jumbo Silo East Tunnel Belt, Jumbo Silo West Tunnel Belt, Jumbo Silo Crossover Tunnel Belt
15EL1	Truck Dump #6
17EL1	Grain Dryer #4 and #5
19EL1	Grain Dryer #2
204RO1	Lec. Dept. Filter Aid Unit
102EO1	Daily Use Bins
103EO1	Filter Aid Silos
4SP1	Salt Conveying
1EX1	Flaking Rolls #1, #2, #3, #4, #5, #6, B Flake N/S Drag
1EX2	Flaking Roll #14, Flaking Roll Discharge #14
2EX1	‘A’ Conditioner
3EX1	Flaking Rolls #9, #10, #11, #12, #13, ‘A’ Flake N/S Drag, ‘A’ Flake E/W Drag
3EX2	North Run Around Drag
4EX1	Whole Bean Scale, ‘A’ Whole Bean Leg, ‘A’ Surge Bin, Whole Bean Drag, ‘B’ Surge Bin
4EX2	Run Around Rework Screw
4EX3	Hull Refining Screw Conveyor, Hull Refining Process, Hull Grinding Process
5EX1	Dehulling Equipment
5EX2	Hot Dehulling Equipment
5EX3	Screening
6EX1	Truck Loadout
7EX1	North Megamill, South Megamill, Stedman Grinder
9EX1	Leg No. 2, Mixing Conveyor, Bin Drag
10EX1	Leg No.3, Tunnel Drag, Meal Loadout Drag
11EX1	Kaolin Bin
12EX1	Meal Loadout Bin
13EX1	Pre-DT and ‘A’ Top Dryer Section
13EX2	‘A’ Middle Dryer Section
13EX3	‘A’ Bottom Cooler Section
14EX1	Pre-DT and ‘B’ Top Dryer Section
14EX2	‘B’ Middle Dryer Section
14EX3	‘B’ Bottom Cooler Section
21EX1	Meal Cooler
16EX1	Belt to Storage Bowls

Unit	Description
16EX2	Large Storage Bowl
16EX3	Small Storage Bowl
18EX1	Whole Bean Bins
23EX1	Meal Storage Silos
25EX1	Zinc Receiving Bin
25EX2	Zinc Surge Bin
27EX1	Rotary Reactor
8EX1	Rumen Conveyor
29EX1	Rumen Loadout Bins
30EX1	Rumen Rework Surge Bin
8SP1	Ash Conveying and Loading Operation
16EL1	Grain Dryer #1
17EX2	Flaking Roll #8, 'B' Flake E/W Drag
31EX1	Conditioner
31EX2	Conditioner

Note: The emission limits under 40 CFR 60, Subpart DD for the emission units identified as truck dump #2 (1EL1), rail loadout (10EL1), and truck dump #7 (20EL1) are more stringent than the limits under 326 IAC 6-3-2. Therefore, the requirements of 326 IAC 6-3-2 do not apply to these units.

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

The baghouses, filters, cyclones, dust control oil, and self-cleaning screens for PM control shall be in operation at all times the respective facilities are in operation, in order to comply with these limits.

The individual limits are included in an IDEM, OAQ confidential file because the process weight rates are considered confidential.

State Rule Applicability - Boilers

326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating)

The three (3) boilers identified as 1SP1, 2SP1, and 3SP1 were constructed before June 8, 1972. Pursuant to 326 IAC 6-2-3, boilers existing and in operation before June 8, 1972 shall be limited by the following equation or by 0.8 lbs per MMBtu, whichever is more stringent:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

Where

C = max ground level concentration (= 50 Fm/m^3)
Pt = emission rate limit (lbs/MMBtu)

Q = total source heat input capacity (MMBtu/hr) = 271 MMBtu/hr
N = number of stacks = 1
a = plume rise factor = 0.67
h = stack height (ft) = 184

The emission rate limit established from the equation above equals:

$$Pt = \frac{50 \times 0.67 \times 184}{76.5 \times (271)^{0.75} \times 1^{0.25}} = 1.2 \text{ lbs/MMBtu}$$

However, pursuant to 326 IAC 6-3-2(d), particulate emissions from any facilities used for indirect heating purposes which were existing and in operation on or before June 1972 shall in no case exceed 0.8 pounds per MMBtu heat input. Therefore, particulate emissions from these boilers shall be limited to less than 0.8 pounds per MMBtu heat input.

Based on AP 42 emission factors and calculations, the boilers should be able to comply with this limit after the effect of the cyclones and baghouse.

326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

The natural gas fired steam generators identified as 107EO1, 108EO1, and 110EO1 were constructed after September 21, 1983. Pursuant to 326 IAC 6-2-4(a), indirect heating facilities constructed after September 12, 1983, shall be limited by the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where Pt = emission rate limit (lbs/MMBtu)
Q = total source heat input capacity (MMBtu/hr)

Emission unit 107EO1 was constructed in 1992. The emission rate limit calculated from the equation above equals:

$$Pt = \frac{1.09}{(271 + 25.2)^{0.26}} = 0.25 \text{ lbs/MMBtu}$$

Based on AP 42 emission factors and calculations, this boiler should be able to comply with this limit.

Emission unit 108EO1 was constructed in 1994. The emission rate limit calculated from the equation above equals:

$$Pt = \frac{1.09}{(271 + 25.2 + 14)^{0.26}} = 0.245 \text{ lbs/MMBtu}$$

Based on AP 42 emission factors and calculations, this boiler should be able to comply with this limit.

Emission unit 110EO1 was constructed in 2002. The emission rate limit calculated from the equation above equals:

$$Pt = \frac{1.09}{(271 + 25.2 + 14 + 14)^{0.26}} = 0.24 \text{ lbs/MMBtu}$$

Based on AP 42 emission factors and calculations, this boiler should be able to comply with this limit.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

(a) The B&W boiler (1SP1) and Keeler boiler (2SP1) are both subject to 326 IAC 7 (Sulfur Dioxide Emission Limitations) because they have the potential to emit greater than twenty-five (25) tons per year of sulfur dioxide. Pursuant to 326 IAC 7-1.1-2(a)(1), the sulfur dioxide emissions from the boilers, when combusting coal, shall be less than 6.0 pounds per MMBtu.

(b) The Murray boiler (3SP1) and the steam generator #3 (108EO1) are not subject to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) because they do not have the potential to emit greater than twenty-five (25) tons per year of sulfur dioxide.

326 IAC 10 (Nitrogen Oxides)

The boilers are not located in Clark or Floyd Counties, are not in a source category described in 326 IAC 10-3, are not used for generating electricity, and are not "large affected units", as that term is described in 326 IAC 10-4. Therefore, the requirements of 326 IAC 10 do not apply.

State Rule Applicability - Oil Extraction Facilities

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

Based upon information submitted by the Permittee on April 26, 2005, IDEM has determined that the emission units identified as 24EX1 through 24EX11 and 21EX are not subject to 326 IAC 8-1-6 BACT because the units were either built prior to the January 1, 1980 applicability date or, for units built after this date, they have potential emissions of less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 8-6 (Organic Solvent Emission Limitations)

This source is not subject to 326 IAC 8-6 (Organic Solvent Emission Limitations) because it is located in Adams County and was constructed after January 1, 1980.

State Rule Applicability - Degreaser

326 IAC 8-3-2 (Cold Cleaner Operations)

This cold cleaner degreasing facility is located in Adams County and was constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-3-2 (Cold Cleaner Operations) do not apply.

Compliance Determination Requirements and Compliance Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The Compliance Determination Requirements and Compliance Monitoring Requirements applicable to this source are as follows:

(a) The mineral oil absorption vent VOC (hexane) emission rate shall be determined daily by measuring the airflow rate and the concentration of hexane in the air stream. This concentration will be determined daily by measuring percent Lower Explosive Limit (LEL). If the air flow meter proves unreliable, airflow can be determined by calculations.

These compliance determination requirements and compliance monitoring requirements are necessary because the mineral oil absorber system must operate properly to ensure compliance with 326 IAC 2-2 (PSD), 326 IAC 2-7 (Part 70), and 40 CFR 63, Subpart GGGG.

(b) The facilities having potential particulate emissions, exhausting through stacks, and identified as 1EL1, 2EL1, 5EL1, 10EL1, 14EL1, 19EL1, 20EL1, 3EL1, 6EL1, 9EL1, 12EL1, 13EL1, 15EL1, 17EL1, 204RO1, 102EO1, 103EO1, 4SP1, 1EX1, 1EX2, 2EX1, 3EX1, 3EX2, 4EX1, 4EX2, 4EX3, 5EX1, 5EX2, 5EX3, 6EX1, 7EX1, 9EX1, 10EX1, 11EX1, 12EX1, 13EX1, 13EX2, 13EX3, 14EX1, 14EX2, 14EX3, 21EX1, 16EX1, 16EX2, 16EX3, 18EX1, 23EX1, 25EX1, 25EX2, 8EX1, 27EX1, 29EX1, 30EX1, 8SP1, 1SP1, 2SP1, 16EL1, and 17EX2 have applicable compliance determination conditions as specified below:

Daily visible emission notations of the facilities' stack exhausts shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

These compliance determination and compliance monitoring conditions are necessary because the baghouses, cyclones, bin vent filters, fabric filters, and oil dust suppressant, and must operate properly to ensure compliance with 326 IAC 2-2 (PSD), 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), 326 IAC 2-7 (Part 70), and 40 CFR 60, Subpart DD. For the emission units identified as 2EL1, 5EL1, 14EL1, 6EL1, 9EL1, 12EL1, 13EL1, 15EL1, 1EX1, 3EX1, 4EX1, 5EX1, 6EX1, 7EX1, 9EX1, 10EX1, 12EX1, 13EX1, 13EX2, 13EX3, 14EX1, 14EX2, 14EX3, 21EX1, 25EX1, 25EX2, and 8SP1, these requirements are necessary to ensure compliance with 40 CFR 64 (CAM).

(c) The facilities using baghouses for particulate control and identified as 1EL1, 2EL1, 5EL1, 10EL1, 14EL1, 20EL1, 6EL1, 9EL1, 12EL1, 13EL1, 15EL1, 204RO1, 102EO1, 103EO1, 4SP1, 4EX1, 4EX2, 4EX3, 5EX1, 5EX2, 5EX3, 6EX1, 7EX1, 9EX1, 10EX1, 11EX1, 12EX1, 8SP1, 1SP1, and 2SP1 have applicable compliance monitoring conditions as specified below:

The Permittee shall record the pressure drop across the baghouses used in conjunction with the facilities, at least once per day when these facilities are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 to 12.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions and Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit. The instrument used for determining the

pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

For a single compartment baghouses controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

These compliance determination and compliance monitoring conditions are necessary because the baghouses must operate properly to ensure compliance with 326 IAC 2-2 (PSD), 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), 326 IAC 2-7 (Part 70), and 40 CFR 60, Subpart DD. For the emission units identified as 2EL1, 5EL1, 14EL1, 6EL1, 9EL1, 12EL1, 13EL1, 15EL1, 4EX1, 5EX1, 6EX1, 7EX1, 9EX1, 10EX1, 12EX1, and 8SP1, these requirements are necessary to ensure compliance with 40 CFR 64 (CAM).

(d) The facilities using cyclones for particulate control and identified as 3EX1, 3EX2, 13EX1, 13EX2, 13EX3, 14EX1, 14EX2, 14EX3, 21EX1, 8EX1, 27EX1, 1SP1, 2SP1, and 17EX2 have applicable compliance determination conditions as specified below:

In the event that cyclone failure has been observed, the failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

These compliance determination and compliance monitoring conditions are necessary because the cyclones must operate properly to ensure compliance with 326 IAC 2-2 (PSD), 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), 326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating), 326 IAC 2-7 (Part 70), and 40 CFR 60, Subpart DD. For the emission units identified as 3EX1, 13EX1, 13EX2, 13EX3, 14EX1, 14EX2, 14EX3, and 21EX1, these requirements are necessary to ensure compliance with 40 CFR 64 (CAM).

Recommendation

The staff recommends to the Commissioner that the Part 70 Operating Permit Renewal be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on September 13, 2006.

Conclusion

The operation of this grain handling, soybean meal production, and soybean oil extraction plant shall be subject to the conditions of the attached Part 70 Operating Permit Renewal No. T001-23640-00005.