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
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant

DATE: August 9, 2006

RE: Bunge North America / 145-19796-00035

FROM: Nisha Sizemore
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 13-17-3-4 and 326 IAC 2, this permit modification 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 13-15-7-3 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. 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;
(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 a Title V operating permit 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
FNTV-PMOD.doc 03/23/06

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Miranda Mullins
Bunge North America (East), Inc.
700 North Rangeline Road
Morristown, IN 46161-9643

August 9, 2006

Re: 145-19796-00035
Fourth Significant Permit Modification to
Part 70 Permit 145-9004-00035

Dear Mrs. Mullins,

Bunge North America (East), Inc. was issued a Part 70 Operating Permit on June 29, 2004 for two soybean oil extraction plants located at 700 North Rangeline Road, Morristown, IN 46161-9643. An appeal of the issued Part 70 Operating Permit was received on August 5, 2004. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document and its Addendum.

The permit modification consists of resolutions to all of the appealed issues of the Part 70 Operating Permit. Other than the changes detailed in the TSD and its Addendum for this approval, all other conditions of the permit shall remain unchanged and in effect. Please find enclosed the entire modified permit document for final issuance.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter call (800) 451-6027, press 0 and ask for James Farrell or extension 3-8396, or dial (317) 233-8396.

Sincerely,

Original Signed By:
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments
JF

cc: File - Shelby County
U.S. EPA, Region V
Shelby County Health Department
Air Compliance Section Inspector - D.J. Knotts
Compliance Data Section
Administrative and Development

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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Bunge North America (East), Inc.
700 N. Rangeline Road
Morristown, Indiana 46161-9643

(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.: T145-9004-00035	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: June 29, 2004 Expiration Date: June 29, 2009

First Significant Source Modification No.: T145-21206-00035, issued July 21, 2005
First Significant Permit Modification No.: T145-21327-00035, issued August 3, 2005
First Minor Permit Modification No.: T145-21892-00035, issued December 6, 2005
Second Significant Permit Modification No: T145-21512-00035, issued January 12, 2006
Third Significant Permit Modification: T145-21927-00035, issued February 3, 2006
Third Administrative Amendment: T145-22619-00035, issued March 27, 2006

Fourth Significant Permit Modification: T145-19796-00035	Pages Affected: Entire Permit
Issued by: Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: August 9, 2006 Expiration Date: June 29, 2009

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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 soybean processing plant.

Responsible Official:	Plant Manager
Source Address:	700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address:	P.O. Box 860, Morristown, Indiana 46161-9643
General Source Phone Number:	(765)763-7500
SIC Code:	2075
County Location:	Shelby
Source Location Status:	Nonattainment for ozone under the 8-hour standard; Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules and Emissions Offset; Major Source, Section 112 of Clean Air Act

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:

NOTE: All capacities are considered confidential by the source and are included in a confidential OAQ file.

A-PLANT

(a) Truck receiving operations, consisting of the following units, using the truck receiving/storage baghouse for control, and exhausting at stack Pt #1:

(1) Two (2) truck dumps (#1 & #2);

(2) Two (2) truck receiving conveyors (#1 & #2;

(3) Two (2) receiving legs (#1 & #2), using the truck receiving/storage baghouse and oil applications;

(4) One (1) screen;

(5) Two (2) receiving legs (#1 & #2) extending from the screen;

(6) Two (2) screening conveyors;

(7) One (1) screening leg;

(8) One (1) screening leg;

(9) Two (2) conveyors (#1 & #2) extending to storage silos and to bulk storage;

(10) Two (2) conveyors extending to bulk storage feeding and continuing to the bulk storage silos;

(11) Ten (10) silos;

(12) One (1) screening bin;

(13) Two (2) bulk storage bins;

(14) One (1) screening conveyor extending from the screening silo;

(15) One (1) screening storage conveyor;

(16) Two (2) totally enclosed screenings transfer conveyors arranged in a series, transferring screenings from the screenings storage conveyors to the screening bucket elevator;

(17) One (1) screening bucket elevator, transferring screenings from the screenings transfer conveyors to the screenings surge bin;

(18) Two (2) bulk storage return conveyors (#1 & #2) arranged in a series;

(19) Two (2) conveyors from storage (#1 & #2);

(20) One (1) conveyor extending to the surge bin leg;

(21) One (1) truck receiving/storage baghouse conveyor which transfers dust from the baghouse back to the screening leg;

(22) Two (2) screens, identified as #4, with a total maximum throughput rate of 1,210 tons per hour;

(23) One (1) transfer system, identified as #9a, with a maximum throughput rate of 1,150 tons per hour, transferring soybeans from the bulk storage elevator to the bulk storage silos;

(24) One (1) enclosed whole bean conveyor, identified as #16a, with a maximum throughput rate of 340 tons per hour, conveying beans from the surge bin leg to the whole bean surge silo (#28a);

(25) One (1) whole bean surge silo, identified as #28a, with a maximum storage capacity of 40,000 bushels;

(26) One (1) enclosed conveyor, identified as #17a, with a maximum throughput rate of 40 tons per hour, conveying the dust from the truck receiving/storage baghouse to the screening leg;

(27) One (1) new bean screening screw conveyor, identified as #1a, with a maximum throughput rate of 36 tons per hour, transferring soybeans from the screening system (#4) to the screening leg baghouse;

(28) Two (2) screening legs, identified as #7a;

(29) Two (2) transfer conveyors aspirated to truck receiving/storage baghouse, identified as #13a; and

B-PLANT

(30) Four (4) aspirators between conveyor from storage, identified as #16, and surge bin leg, identified as #27, aspirated to truck receiving/storage baghouse.

(b) Rail receiving operations, constructed in 1996, consisting of the following units, using the rail receiving baghouse for control, and exhausting at stack Pt #2:

(1) One (1) rail car dump; and

(2) One (1) rail car receiving conveyor;

(c) One (1) column dryer, constructed in 1996, exhausting at stack Pt #3;

(d) Milling operations, constructed in 1996, consisting of the following units, using the RF filter baghouse for control, and exhausting at stack Pt #4:

(1) One (1) soy bean scale with upper and lower scale garners;

(2) Six (6) cracking rolls with primary dehulling aspirators, using the primary aspiration cyclone and RF filter baghouse for control;

(3) Three (3) conveyors extending from the primary dehulling aspirators, with a maximum combined capacity of 100 tons per hour;

(4) Three (3) surge bins;

(5) Three (3) cracked bean conditioners;

(6) Three (3) conveyors extending from the cracked bean conditioners;

(7) Three (3) impactors with secondary dehulling aspirators, using the secondary aspiration cyclones and RF filter baghouse for control;

(8) One (1) primary aspiration cyclone;

(9) One (1) secondary aspiration cyclone;

(10) Two (2) hull refining screeners, exhausting to the hull refining cyclone;

(11) Four (4) hull refining aspirators, exhausting to the hull refining cyclone;

(12) One (1) hull refining cyclone;

(13) Two (2) millfeed grinders;

(14) Three (3) surge bins;

(15) One (1) meal screen;

(16) Two (2) hammer mills;

(17) Two (2) totally enclosed sized meal conveyors, in a series; and

(18) One (1) millfeed weight belt;

(e) Flaking mill operations, constructed in 1996, consisting of the following units, using the flaker aspiration baghouse, and exhausting at stack Pt #6:

(1) Nine (9) flakers; and

(2) One (1) flake collecting conveyor;

(f) One (1) flow coating material bin, using the flow coat receiving baghouse for control, and exhausting at stack Pt #11;

(g) Truck meal loadout operations, constructed in 1996, consisting of the following units, using the truck meal loadout baghouse, and exhausting at stack Pt #12:

(1) One (1) mixer, extending from the hull grinders;

(2) One (1) millfeed elevator leg;

(3) One (1) totally enclosed millfeed conveyor;

(4) Three (3) millfeed bins;

(5) One (1) millfeed weigh belt;

(6) One (1) meal conveyor extending from the coolers;

(7) One (1) DTDC unground meal conveyor extending to another set of conveyors;

(8) One (1) unground meal conveyor;

(9) One (1) feeder;

(10) One (1) flow coating material screw;

(11) One (1) mixing screw conveyor;

(12) One (1) production meal elevator;

(13) One (1) product meal conveyor #2;

(14) Six (6) meal storage bins;

(15) One (1) truck load out conveyor;

(16) One (1) truck loader; and

(17) One (1) truck scale;

(h) Rail meal loadout operations, constructed in 1996, consisting of the following units, using the rail meal loadout baghouse, and exhausting at stack Pt #13:

(1) a rail load out conveyor;

(2) One (1) rail scale; and

(3) One (1) rail loader;

(i) Oil extraction and processing operations, constructed in 1996, consisting of the following units:

(1) One (1) soybean oil extractor, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(2) One (1) set of evaporators, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(3) One (1) desolventizer/toaster, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(4) One (1) set of condensers and water separators to separate hexane and water, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(5) Two (2) mineral oil absorbers, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(6) One (1) spent flake conveyor extending to the meal dryer;

(7) One (1) totally enclosed seal screw conveyor, installed in a series with the slurry loader conveyor;

(8) One (1) flake conveyor extending to the slurry loader conveyor;

(9) One (1) slurry loader conveyor;

(10) One (1) hexane storage tank, identified as #1 (storage);

(11) One (1) hexane storage tank, identified as #2 (process tank);

(12) One (1) hexane storage tank, identified as #3 (work/separation);

(j) Two (2) DTDC meal dryers (#1 & #2), both constructed in 1996, using a cyclone for control and exhausting at stack Pt #7;

(k) One (1) cyclone for the control of the meal dryers, constructed in 1996, and exhausting at stack Pt #7;

(l) Two (2) DTDC meal coolers (#1 & #2), both constructed in 1996, using a cyclone for control, and exhausting at stack Pt #8;

(m) One (1) cyclone for the control of the meal coolers, constructed in 1996, and exhausting at stack Pt #8;

(n) One (1) boiler, identified as the Murray boiler, constructed in 1996, firing natural gas, vegetable oil, #2 distillate fuel oil, or blends of vegetable oil and #2 distillate fuel oil, rated at 96 million Btu per hour;

(o) One (1) vegetable oil refinery process, constructed in 2002, consisting of crude vegetable oil receiving, storage, filtration, and degumming equipment; lecithin drying and processing equipment; oil refining, deodorizing, and filtration equipment; bulk oil handling, blending, storage, and loadout facilities; and including the following equipment:

(1) One (1) storage silo, identified as R-101, equipped with a baghouse for particulate matter control, exhausting to Stack R-101;

(2) One (1) surge tank, identified as R-102, equipped with a baghouse for particulate matter control, exhausting to Stack R-102;

(3) One (1) storage silo, identified as R-103, equipped with a baghouse for particulate matter control, exhausting to Stack R-103;

(4) One (1) surge tank, identified as R-104, equipped with a baghouse for particulate matter control, exhausting to Stack R-104;

(5) One (1) storage silo, identified as R-105, equipped with a baghouse for particulate matter control, exhausting to Stack R-105;

(6) One (1) surge tank, identified as R-106, equipped with a baghouse for particulate matter control, exhausting to Stack R-106; and

(7) One (1) natural gas-fired boiler, identified as R-107, exhausting to Stack R-107.

(p) One (1) pelletizing mill, labeled as part of EU# 26, with a maximum rate of 36,000 lbs raw material per hour (18 tph), where air stream from mill does not vent to atmosphere but instead passes on to pellet cooler;

(q) One (1) pellet cooler, labeled as part of EU# 26, with a maximum rate of 36,000 lbs raw material per hour (18 tph), using a high efficiency cyclone control device with a rating of 0.01 grains/dscf and 7,500 acfm at stack Pt#26;

(r) One (1) totally enclosed drag conveyor, with a maximum rate of 18 tons per hour;

(s) One (1) totally enclosed “L” path conveyor, with a maximum rate of 18 tons per hour; and

(t) One (1) bucket leg, with a maximum rate of 18 tons per hour.

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(u) One (1) screening bin, identified as #10a.

(v) Three (3) totally enclosed conveyors to hull refining screener, identified as #25a.

(w) One (1) totally enclosed dryer feed conveyor to the dryer feed elevator, identified as #29a.

(x) Two (2) hull refining screeners, identified as #48a.

(y) Four (4) hull refining aspirators, identified as #49a, exhausting to hull refining cyclone.

(z) One (1) totally enclosed millfeed conveyor to storage, identified as #53a.

(aa) One (1) millfeed elevator, identified as #54a, controlled by truck load out baghouse, and exhausting at stack Pt #12.

(ab) One (1) seal screw conveyor, identified as #61a.

(ac) The following emission units used in the one (1) totally enclosed sized meal conveyor, identified as #79a, aspirated to meal sizing system baghouse for control, and exhausting through stack Pt #24:

(1) One (1) enclosed meal screener feeder conveyor, identified as #74a, with a maximum throughput rate of 80 tons per hour, conveying the meal produced to the meal screen system.

(2) One (1) enclosed meal grinder feed conveyor, identified as #75a, with a maximum throughput rate of 80 tons per hour, conveying the meal from the meal screen system to meal feeders.

(3) One (1) meal grinding system, identified as #76, consisting of three (3) hammer mills, with a total maximum process rate of 80 tons per hour. This process rate is limited by the maximum throughput rate of the conveyors.

(4) Two (2) enclosed sized meal conveyors, identified as #78a, with a total maximum throughput rate of 80 tons per hour, conveying the ground meal from the meal grinding system (#76) to the meal handling system.

(ad) Grain screening operations, consisting of the following units, using the screenings baghouse, and exhausting at stack Pt #5:

(1) One (1) screening surge bin;

(2) One (1) conveyor extending to the de-stoner;

(3) One (1) de-stoner, using a cyclone and the screening baghouse for control;

(4) One (1) screening grinder;

(5) Four (4) totally enclosed conveyors in a series, extending to the hull refining screener;

(6) One (1) cyclone exhausting to the screening baghouse;

(7) One (1) surge bin elevator;

(8) One (1) whole bean surge bin;

(9) One (1) dryer feed elevator;

(10) One (1) totally enclosed dryer feed conveyor, transferring beans to the dryer feed elevator;

(11) Two (2) whole bean aspirators, in parallel;

(12) One (1) dryer discharge conveyor;

(13) One (1) day bin elevator;

(14) Two (2) day bins;

(15) Two (2) totally enclosed conveyors, arranged in a series;

(16) Two (2) conveyors extending from the dryer to the dryer discharge conveyor;

(17) One (1) milling elevator;

(18) One (1) product meal conveyor, identified as #1

(19) One (1) meal surge conveyor, identified as #2;

(20) Three (3) meal storage silos;

(21) One (1) load out leg conveyor;

(22) One (1) load out meal elevator;

(23) One (1) meal transfer conveyor; and

(24) One (1) screening transfer conveyor to screenings bucket elevator.

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(ae) One (1) totally enclosed millfeed conveyor to storage, identified as #2b.

(af) One (1) millfeed elevator, identified as #3b, exhausting at stack Pt #12.

(ag) One (1) aspirator between milling leg and bean scale, identified as #4b, aspirated to milling baghouse, and exhausting at stack Pt #4.

(ah) One (1) totally enclosed hull collecting conveyor, identified as #5b, feeding the “B” plant hull refining screener.

(ai) One (1) "B" plant whole bean surge bin #2, identified as #6b.

(aj) One (1) “B” plant hull grinder, identified as #7b, discharging to the screening baghouse, and exhausting at stack Pt #5.

(ak) One (1) "B" plant whole soybean feed bucket elevator, identified as #8b, controlled by the screening baghouse, and exhausting at stack Pt #5.

(al) One (1) "B" plant totally enclosed bean heater discharge conveyor, identified as #9b.

(am) One (1) "B" plant whole bean aspiration, identified as #10b, controlled by the screening baghouse, and exhausting at stack Pt #4.

(an) One (1) "B" plant bean weighing system, identified as #11b, controlled by the screening baghouse, and exhausting at stack Pt #4.

(ao) One (1)"B" plant totally enclosed millfeed grinding conveyor, identified as #12b, controlled by the screening baghouse, and exhausting at stack Pt #5.

(ap) Two (2) "B" plant hull refining screeners, identified as #13b, controlled by the screening baghouse, and exhausting at stack Pt #5.

(aq) Two (2) "B" plant aspirator, identified as #14b, controlled by a hull refining cyclone, exhausting at stack Pt #18.

(ar) One (1) "B" plant totally enclosed feed conveyor, identified as #15b.

(as) One (1) "B" plant bean heater, identified as #16b, controlled by a bean heater cyclone, and exhausting at stack Pt # 25.

(at) One (1) totally enclosed "B" plant soybean conveyor (feeding the jet dryers), identified as #17b, controlled by a cyclone, and exhausting at stack Pt # 18.

(au) One (1) set of "B" plant jet dryers, identified as #18b, controlled by a dryer cyclone, and exhausting at stack Pt # 18.

(av) One (1) "B" plant bean heaters cyclone, identified as #19b, exhausting at stack Pt # 18A.

(aw) One (1) "B" plant bean dryers cyclone, identified as #20b, exhausting at stack Pt # 18A.

(ax) Two (2) "B" plant hulloosenators, identified as #21b.

(ay) One (1) set of "B" plant cascade dryers controlled by CCD cyclone and exhausted at stack Pt #18, identified as #22b.

(az) One (1) set of "B" plant cracking rolls, identified as #23b.

(ba) One (1) set of "B" plant cascade coolers, identified as #24b, controlled by a ccc cyclone, and exhausting at stack Pt # 18.

(bb) Two (2) "B" plant totally enclosed after cascade coolers conveyors (feeding the flakers), identified as #25b, controlled by a soybean flaking baghouse, and exhausting at stack Pt #19.

(bc) One (1) "B" plant ccc cyclone, identified as #26b, exhausting at stack Pt # 18A.

(bd) One (1) set of "B" plant flakers, identified as #27b, controlled by a flakers baghouse, and exhausting at stack Pt # 19.

(be) One (1) "B" plant flakers baghouse, identified as #28b, exhausting at stack Pt # 19.

(bf) Two (2) "B" plant totally enclosed flake conveyors (feeding the seal conveyor), identified as #29b.

(bg) One (1) "B" plant totally enclosed seal screw conveyor (feeding the slurry loader conveyor), identified as #30b.

(bh) One (1) "B" plant totally enclosed slurry loader conveyor (feeding the extractor), identified as #31b.

(bi) One (1) "B" plant soybean oil extractor, identified as #32b, controlled by one (1) mineral oil absorption system, and exhausted at stack Pt # 23.

(bj) A set of "B" plant evaporators, identified as #33b, controlled by two (2) mineral oil absorption systems, and exhausted at stack Pt # 23.

(bk) A set of "B" plant condensers, hexane handling system and water separator to separate hexane and water, identified as #34b, controlled by one (1) mineral oil absorption system, and exhausted at stack Pt # 23.

(bl) One (1) "B" plant mineral oil absorption system with a mineral oil to control hexane emissions, identified as #35b, and exhausted at stack Pt # 23.

(bm) One (1) totally enclosed "B" plant spent flake conveyor, identified as #36b.

(bn) Two (2) "B" plant meal dryers (#1 & #2), identified as #37b, controlled by one (1) dryer cyclone, and exhausting at stack Pt # 21.

(bo) One (1) "B" plant meal cooler (#3), identified as #38b, controlled by one (1) cooler cyclone, and exhausting at stack Pt # 22.

(bp) Four (4) "B" plant totally enclosed unground meal conveyors in series (meal screening system), identified as #39b.

(bq) One (1) meal sizing baghouse, identified as #40b, exhausting at stack Pt #24.

(br) One (1) boiler, identified as Boiler No. 2, firing natural gas, vegetable oil, #2 distillate fuel oil, or blends of vegetable oil and #2 distillate fuel oil, rated at 240 million Btu per hour, controlled by low NOx burners and flue gas recirculation, and exhausting at stack Pt. # 20.

(bs) One (1) screening leg, identified as #41b, transferring screenings from the screenings transfer conveyors to the screening surge bin.

(bt) One (1) totally enclosed dryer feed conveyor, identified as #43b, transferring beans to the dryer feed elevator, controlled by screening baghouse, and exhausting at stack Pt #5.

(bu) One (1) whole bean surge silos discharge conveyors feeding “B” Milling bucket elevator, identified as #49b, controlled by screenings baghouse and exhausting at stack Pt #5.

(bv) One (1) “B” milling bucket elevator, identified as #50b, controlled by the Milling aspiration baghouse and exhausting at stack Pt #4.

(bw) One (1) bean heater feed bucket elevator, identified as #51b, controlled by the screenings baghouse and exhausting at stack Pt #5.

(bx) One (1) bean heater discharge bucket elevator, identified as #52b, controlled by the screenings baghouse and exhausting at stack Pt #5.

(by) One (1) screenings transfer conveyors to the cracking rolls, identified as #53b, controlled by East jet dryer cyclone and exhausting at stack Pt #18.

(bz) One (1) hull grinder controlled screenings baghouse and exhausting at stack Pt #5.

(ca) One (1) "B" unground meal bucket elevator, identified as #55b, controlled by meal grinding baghouse at stack Pt #24.

(cb) One (1) "B" DT feed conveyor, identified as #56b.

(cc) One (1) "B" desolventizer toaster, identified as #57b, controlled by the mineral oil absorption system and exhausting at stack Pt #23.

(cd) One (1) "B" above ground hexane storage tank controlled by the mineral oil absorption system and exhausting at stack Pt #23.

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 which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower [326 IAC 6-3-2];

(b) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment [326 IAC 6-3-2];

(c) 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:

(1) One (1) #2 fuel oil storage tank, identified as #4, with a capacity of 3,958 cubic feet [326 IAC 12];

(2) One (1) soybean oil storage tank, identified as #6, with a capacity of 38,000 cubic feet [326 IAC 12];

(3) One (1) soybean oil storage tank, identified as #7, with a capacity of 38,000 cubic feet [326 IAC 12];

(4) One (1) #2 fuel oil storage tank, identified as #10, with a capacity of 3,958 cubic feet [326 IAC 12]; and

(d) Paved and unpaved roads and parking lots with public access [326 IAC 6-5].

A.4 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); and

(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, T145-9004-00035, 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 or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

(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) Any application form, report, or compliance certification submitted under this permit or 326 IAC 2-7 shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

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

(c) A 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. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent 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
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) The Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include:

(1) Identification of the individual(s), by job title, 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.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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
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 T145-9004-00035 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, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

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
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 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
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
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
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 emission 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.

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

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

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
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 (BLT)), to determine the appropriate permit fee.

B.25 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) 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. 326 IAC 9-1-2 is not federally enforceable.

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. The provisions of 326 IAC 1-7-1(3), 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (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
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
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
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 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 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 shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

within ninety (90) days after the date of issuance of this permit.

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) 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;

(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 and 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(b)(2), starting in 2005 and every three (3) years thereafter, the Permittee shall submit by July 1 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); and

(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 purposes 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
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]

(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 reasonable possibility that 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 Clean Unit, 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)) may result in significant emissions increase 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) Prior to commencing the 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)(3); 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]

(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
Indianapolis, Indiana 46204

(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) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

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 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

NOTE: All capacities are considered confidential by the source and are included in a confidential OAQ file.

A-PLANT

(a) Truck receiving operations, consisting of the following units, using the truck receiving/storage baghouse for control, and exhausting at stack Pt #1:

(1) Two (2) truck dumps (#1 & #2);

(2) Two (2) truck receiving conveyors (#1 & #2);

(3) Two (2) receiving legs (#1 & #2), using the truck receiving/storage baghouse and oil applications;

(4) One (1) screen;

(5) Two (2) receiving legs (#1 & #2) extending from the screen;

(6) Two (2) screening conveyors;

(7) One (1) screening leg;

(8) One (1) screening leg;

(9) Two (2) conveyors (#1 & #2) extending to storage silos and to bulk storage;

(10) Two (2) conveyors extending to bulk storage feeding and continuing to the bulk storage silos;

(11) Ten (10) silos;

(12) One (1) screening bin;

(13) Two (2) bulk storage bins;

(14) One (1) screening conveyor extending from the screening silo;

(15) One (1) screening storage conveyor;

(16) Two (2) totally enclosed screenings transfer conveyors arranged in a series, transferring screenings from the screenings storage conveyors to the screening bucket elevator;

(17) One (1) screening bucket elevator, transferring screenings from the screenings transfer conveyors to the screenings surge bin;

(18) Two (2) bulk storage return conveyors (#1 & #2) arranged in a series;

(19) Two (2) conveyors from storage (#1 & #2);

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

SECTION D.1 FACILITY OPERATION CONDITIONS (Continued)

Facility Description [326 IAC 2-7-5(15)]:

(20) One (1) conveyor extending to the surge bin leg;

(21) One (1) truck receiving/storage baghouse conveyor which transfers dust from the baghouse back to the screening leg;

(22) Two (2) screens, identified as #4, with a total maximum throughput rate of 1,210 tons per hour;

(23) One (1) transfer system, consisting of two (2) conveyors, identified as #9a, with a maximum throughput rate of 1,150 tons per hour, transferring soybeans from the bulk storage elevator to the bulk storage silos;

(24) One (1) enclosed whole bean conveyor, identified as #16a, with a maximum throughput rate of 340 tons per hour, conveying beans from the surge bin leg to the whole bean surge silo (#28a);

(25) One (1) whole bean surge silo, identified as #28a, with a maximum storage capacity of 40,000 bushels;

(26) One (1) enclosed conveyor, identified as #17a, with a maximum throughput rate of 40 tons per hour, conveying the dust from the truck receiving/storage baghouse to the screening leg;

(27) One (1) new bean screening screw conveyor, identified as #1a, with a maximum throughput rate of 36 tons per hour, transferring soybeans from the screening system (#4) to the screening leg baghouse;

(28) Two (2) screening legs, identified as #7a;

(29) Two (2) transfer conveyors aspirated to truck receiving/storage baghouse, identified as #13a; and

B-PLANT

(30) Four (4) aspirators between conveyor from storage, identified as #16, and surge bin leg, identified as #27, aspirated to truck receiving/storage baghouse.

(b) Rail receiving operations, constructed in 1996, consisting of the following units, using the rail receiving baghouse for control, and exhausting at stack Pt #2:

(1) One (1) rail car dump; and

(2) One (1) rail car receiving conveyor;

(c) One (1) column dryer, constructed in 1996, exhausting at stack Pt #3;

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

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

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart 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 units described in Condition D.1.2 except when otherwise specified in 40 CFR Part 60, Subpart DD.

D.1.2 New Source Performance Standards(NSPS) Grain Elevators [326 IAC 12] [40 CFR Part 60, Subpart DD]

Pursuant to 40 CFR Part 60, Subpart DD (Standards of Performance for Grain Elevators), the PM emissions from the truck receiving/storage baghouse and the rail receiving baghouse, which exhaust through Pt #1 and #2, respectively, shall not exceed 0.01 gr/dscf and the gasses discharged shall not exceed 0 percent opacity. Additionally, fugitive emissions from the truck unloading station and rail car unloading station shall not exceed 5 percent opacity while fugitive emissions from the grain handling station shall not exceed 0 percent opacity.

D.1.3 PSD Minor Limit [326 IAC 2-2]

(a) The soybeans processed by the "A" plant, on an "as received" basis, shall be limited to less than 828,837 tons per twelve (12) consecutive month period (equivalent to an oil extraction process throughput of 803,000 tons per twelve (12) consecutive month period) with compliance determined at the end of each month. Thus, PM and PM10 emissions are less than 250 tons per year and 326 IAC 2-2 (Prevention of Significant Deterioration) is not applicable. This is the same limit as in Conditions D.2.1(a) and D.3.2(a).

(b) Pursuant to SSM 145-9618-00035, issued May 14, 2004, the Permittee shall be limited to the following PM emissions:

Process	Baghouse/ Cyclone	PM Limit (lb/hr)
Grain receiving system, whole bean transfer, receiving and screening system	Pt #1	2.14
Rail unloading	Pt #2	0.141

D.1.4 Particulate Emissions Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emissions from the column dryer shall not exceed the pound per hour emission rate calculated using the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of thirty (30) tons 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 limitation is included in a IDEM, OAQ confidential file because the process weight rate is considered confidential by the source.

Compliance Determination Requirements

D.1.5 Particulate Control [326 IAC 2-7-6(6)]

Pursuant to CP-145-4300-00035, issued July 17, 1995 and in order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the following requirements apply:

(a) The baghouses for truck receiving/storage and rail car receiving/storage shall be in operation at all times those facilities are in operation.

(b) 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.

(c) Dust control oil shall be applied at the starting end of the truck and rail car receiving

conveyors at all times these conveyors are in operation, at a rate determined at the time of PM compliance tests performed as required by CP-145-4300-00035.

(d) Fugitive emissions shall be controlled by keeping paved roads free of particulate matter with a vacuum or wet sweeper.

D.1.6 Testing Requirements[326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 3]

(a) Pursuant to SSM 145-9618-00035, the permittee shall perform PM and PM-10 testing on or before February 15, 2010 for the affected facilities, as shown below. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C- Performance Testing. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.

Facilities	Pollutant/Opacity
Receiving baghouses (PT # 01 & 02)	PM/PM-10/Opacity

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

D.1.7 Visible Emissions Notations

(a) Once per day visible emission notations of Pt #1, Pt #2 and Pt #3 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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 emission 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.1.8 Parametric Monitoring

(a) The Permittee shall record the pressure drop across the baghouses used in conjunction with the truck receiving (Pt #1), rail receiving (Pt #2) and rail screening processes (Pt #2) at least once per day when the listed processes are in operation. When for any one reading, the pressure drop across the baghouses is outside the normal range of 0.5 to 8.0 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 or 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.

(b) 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 or at a frequency recommended by the manufacturer.

D.1.9 Broken or Failed Bag Detection

(a) For a single compartment baghouse 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 has been repaired or replaced. The emissions unit shall be shut down no later that the completion of the processing of the material in the line. 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 indicted by a significant drop in the baghouses 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.1.10 Record Keeping Requirements

(a) To document compliance with Condition D.1.3(a), the Permittee shall maintain records of the quantity of soybeans processed by the "A" plant, on an "as received" basis.

(b) To document compliance with Condition D.1.7, the Permittee shall maintain records of once per day visible emission notations of the stack exhaust from Pt #1, Pt #2 and Pt #3.

(c) To document compliance with Condition D.1.8, the Permittee shall maintain records of the pressure drop across the baghouses.

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

D.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.3(a) 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). This is the same report as required in Conditions D.2.10 and D.3.18(a).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(d) Milling operations, constructed in 1996, consisting of the following units, using the RF filter baghouse for control, and exhausting at stack Pt #4:

(1) One (1) soy bean scale with upper and lower scale garners;

(2) Six (6) cracking rolls with primary dehulling aspirators, using the primary aspiration cyclone and RF filter baghouse for control;

(3) Three (3) conveyors extending from the primary dehulling aspirators, with a maximum combined capacity of 100 tons per hour;

(4) Three (3) surge bins;

(5) Three (3) cracked bean conditioners;

(6) Three (3) conveyors extending from the cracked bean conditioners;

(7) Three (3) impactors with secondary dehulling aspirators, using the secondary aspiration cyclones and RF filter baghouse for control;

(8) One (1) primary aspiration cyclone;

(9) One (1) secondary aspiration cyclone;

(10) Two (2) hull refining screeners, exhausting to the hull refining cyclone;

(11) Four (4) hull refining aspirators, exhausting to the hull refining cyclone;

(12) One (1) hull refining cyclone;

(13) Two (2) millfeed grinders;

(14) Three (3) surge bins;

(15) One (1) meal screen;

(16) Two (2) hammer mills;

(17) Two (2) totally enclosed sized meal conveyors, in a series; and

(18) One (1) millfeed weight belt;

(e) Flaking mill operations, constructed in 1996, consisting of the following units, using the flaker aspiration baghouse, and exhausting at stack Pt #6:

(1) Nine (9) flakers; and

(2) One (1) flake collecting conveyor;

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

SECTION D.2 FACILITY OPERATION CONDITIONS (Continued)

Facility Description [326 IAC 2-7-5(15)]:

(f) One (1) flow coating material bin, using the flow coat receiving baghouse for control, and exhausting at stack Pt #11;

(g) Truck meal loadout operations, constructed in 1996, consisting of the following units, using the truck meal loadout baghouse, and exhausting at stack Pt #12:

(1) One (1) mixer, extending from the hull grinders;

(2) One (1) millfeed elevator leg;

(3) One (1) totally enclosed millfeed conveyor;

(4) Three (3) millfeed bins;

(5) One (1) millfeed weigh belt;

(6) One (1) meal conveyor extending from the coolers;

(7) One (1) DTDC unground meal conveyor extending to another set of conveyors;

(8) One (1) unground meal conveyor;

(9) One (1) feeder;

(10) One (1) flow coating material screw;

(11) One (1) mixing screw conveyor;

(12) One (1) production meal elevator;

(13) One (1) product meal conveyor #2;

(14) Six (6) meal storage bins;

(15) One (1) truck load out conveyor;

(16) One (1) truck loader; and

(17) One (1) truck scale;

(h) Rail meal loadout operations, constructed in 1996, consisting of the following units, using the rail meal loadout baghouse, and exhausting at stack Pt #13:

(1) a rail load out conveyor;

(2) One (1) rail scale; and

(3) One (1) rail loader.

(The information describing the process contained in this facility 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 Limit [326 IAC 2-2]

(a) Pursuant to CP145-4300-00035, issued July 17, 1995, the soybeans processed by the "A" plant, on an "as received" basis, shall be limited to less than 828,837 tons per twelve (12) consecutive month period (equivalent to an oil extraction process throughput of 803,000 tons per twelve (12) consecutive month period) with compliance determined at the end of each month. Thus, PM and PM10 emissions are prevented from being greater than 250 tons per year and 326 IAC 2-2 (Prevention of Significant Deterioration) is not applicable. This is the same limit as in Conditions D.1.3(a) and D.3.2(a).

(b) The Permittee shall also be limited to the following:

Process	Baghouse/ Cyclone	PM Limit (lb/hr)
Milling operations	Pt #4	1.3
Flaking mill operations	Pt #6	0.41
Flow coating bin	Pt #11	0.026
Truck meal loadout operations	Pt #12	1.65
Rail meal loadout operations	Pt #13	0.10

D.2.2 Opacity

Pursuant to CP-A145-9458-00035, issued on June 9, 1998, visible emissions from the flow coat receiving baghouse and rail meal loadout baghouse shall not exceed 5% opacity.

D.2.3 Particulate Emissions Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emissions from the milling, flake mill, truck meal loadout, and rail meal loadout operations and the flow coat receiving operation shall not exceed the pound per hour emission rate calculated using the following equations:

Interpolation of the data for the process weight rate up to thirty (30) tons 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

or depending on the process weight rate:

Interpolation and extrapolation of the data for the process weight rate in excess of thirty (30) tons 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 a IDEM, OAQ confidential file because the process weight rates are considered confidential by the source.

Compliance Determination Requirements

D.2.4 Particulate Control [326 IAC 2-7-6(6)]

Pursuant to CP-145-4300-00035, issued July 17, 1995 and in order to demonstrate compliance with Conditions D.2.1, D.2.2, and D.2.3, the following conditions apply:

(a) The RF filter, flakers aspiration, flow coating, truck meal loadout, and rail meal loadout baghouses shall be in operation at all times that their respective facilities are in operation.

(b) 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.

(c) The primary aspiration, secondary aspiration, and hull refining cyclones shall be in operation at all times that there respective facilities are in operation.

(d) Fugitive emissions shall be controlled by keeping paved roads free of particulate matter with a vacuum or wet sweeper.

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

D.2.5 Visible Emissions Notations

(a) Once per day visible emission notations of Pt. #4, 6, 11, 12, and 13 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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 emission 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

(a) Alarms shall be operational on all cyclone high level indicators. If an alarm sounds, the Permittee shall take reasonable response steps. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) The Permittee shall record the pressure drop across the baghouses used in conjunction with the milling operations (Pt #4), flaking meal operations (Pt #6), flow coating material bin operations (Pt #11), truck meal loadout operations (Pt #12) and rail meal loadout operations (Pt #13), at least once per day when the listed processes are in operation. When for any one reading, the pressure drop across the baghouses is outside the normal range of 0.5 to 8.0 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 or 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.

(c) 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 or at a frequency recommended by

the manufacturer.

D.2.7 Broken or Failed Bag Detection

(a) For a single compartment baghouse 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 has been repaired or replaced. The emissions unit shall be shut down no later that the completion of the processing of the material in the line. 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 indicted by a significant drop in the baghouses 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

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. 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). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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(a), the Permittee shall maintain records of the quantity of soybeans processed by the "A" plant, on an "as received" basis.

(b) To document compliance with Condition D.2.5, the Permittee shall maintain records of once per day visible emission notations of the stack exhaust from Pt #4, Pt. #6, Pt #11, Pt #12, and Pt #13.

(c) To document compliance with Condition D.2.6, the Permittee shall maintain records of the pressure drops across the baghouses. The Permittee shall also maintain records of any alarms that sound and the response steps taken.

(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) 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). This is the same report as required in Conditions D.1.11 and D.3.18(a).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(i) Oil extraction and processing operations, constructed in 1996, consisting of the following units:

(1) One (1) soybean oil extractor, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(2) One (1) set of evaporators, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(3) One (1) desolventizer/toaster, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(4) One (1) set of condensers and water separators to separate hexane and water, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(5) Two (2) mineral oil absorbers, using a mineral oil absorber for control, and exhausting at stack Pt #9;

(6) One (1) spent flake conveyor extending to the meal dryer;

(7) One (1) totally enclosed seal screw conveyor, installed in a series with the slurry loader conveyor;

(8) One (1) flake conveyor extending to the slurry loader conveyor;

(9) One (1) slurry loader conveyor;

(10) One (1) hexane storage tank, identified as #1 (storage);

(11) One (1) hexane storage tank, identified as #2 (process tank);

(12) One (1) hexane storage tank, identified as #3 (work/separation);

(j) Two (2) DTDC meal dryers (#1 & #2), both constructed in 1996, using a cyclone for control and exhausting at stack Pt #7;

(k) One (1) cyclone for the control of the meal dryers, constructed in 1996, and exhausting at stack Pt #7;

(l) Two (2) DTDC meal coolers (#1 & #2), both constructed in 1996, using a cyclone for control, and exhausting at stack Pt #8;

(m) One (1) cyclone for the control of the meal coolers, constructed in 1996, and exhausting at stack Pt #8;

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

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

D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

326 IAC 8-1-6 (New Facilities; General Reduction Requirements) applies to the soy bean extractor processes, meal dryers, and coolers. Pursuant to CP145-4300-00035, issued July 17, 1995, and 326 IAC 8-1-6, the following is BACT and these limitations apply:

Facility	Control	VOC (Hexane) Emission Limit (including upset emissions)
Oil Extractor, Meal Desolventizer, Oil Desolventizer, Solvent Separator, Vent System	Mineral oil absorber	0.12 lb/ton of processed grain
Meal Dryers	None	0.16 lb/ton of processed grain
Meal Coolers	None	0.16 lb/ton of processed grain
Maximum soybean extraction process throughput = 803,000 tons per twelve (12) consecutive month period		

The total amount of hexane used by the source shall not exceed 1.2 pounds of hexane per ton of beans processed. This limit is based on information from the Technical Support Document for CP 145-4300-00035, issued on July 17, 1995 and is equivalent to 481.8 tons of hexane per twelve (12) consecutive month period. Compliance with this limit is equivalent to VOC emissions of less than 176.7 tons per year. Compliance with this hexane usage limit, in addition to the limits listed in the table above, will satisfy the requirements of 326 IAC 8-1-6 (BACT). In order to comply with these limits, the absorber shall operate at all times that the oil extractor process is in operation.

D.3.2 PSD Minor Limit [326 IAC 2-2]

(a) Pursuant to CP145-4300-00035, issued July 17, 1995, the soybeans processed by the "A" plant, on an "as received" basis, shall be limited to less than 828,837 tons per twelve (12) consecutive month period (equivalent to an oil extraction process throughput of 803,000 tons per twelve (12) consecutive month period) with compliance determined at the end of each month. Thus, PM and PM10 emissions are prevented from being greater than 250 tons per year and 326 IAC 2-2 (Prevention of Significant Deterioration) is not applicable. This is the same limit as in Conditions D.1.3(a) and D.2.1(a).

(b) The Permittee shall also be limited to the following:

Process	Baghouse/ Cyclone	PM Limit (lb/hr)
DTDC meal dryers, #1 and #2	Pt #7	3.8
DTDC meal coolers, #1 and #2	Pt #8	5.7

D.3.3 Particulate Emissions Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emissions from the spent flake conveyor, seal screw conveyor, flake conveyor, slurry loader conveyor, DTDC meal dryers (#1 & #2), cyclone, DTDC meal coolers (#1 & #2), and cyclone shall not exceed the pound per hour emission rate calculated using the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of thirty (30) tons 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 a IDEM, OAQ confidential file because the process weight rates are considered confidential by the source.

D.3.4 Storage Tanks [326 IAC 12]

Pursuant to 326 IAC 12 as of July 1, 2000, there are no emission limitations or standards applicable to hexane storage tanks #1, #2, and #3, but there are applicable record keeping requirements listed in the Record Keeping portion of this Section.

D.3.5 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR 63, Subpart A]

The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, apply to the oil extraction and processing operations except when otherwise specified in 40 CFR 63, Subpart GGGG.

D.3.6 Solvent Extraction for Vegetable Oil Production NESHAP [326 IAC 20] [40 CFR Part 63, Subpart GGGG]

Pursuant to 40 CFR Part 63, Subpart GGGG (National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production), the HAP loss factor for the soybean conventional oilseed process is limited to 0.2 gallons of solvent per ton of soybean processed. Compliance with the HAP limit shall be demonstrated using the following equation found in 40 CFR 63.2840:

$$\text{Compliance Ratio} = \frac{\text{Actual HAP Loss}}{\text{Allowable HAP Loss}}$$

This equation can also be expressed as a function of total solvent loss as shown below and found in 40 CFR 63.2840:

$$\text{Compliance Ratio} = \frac{f * \text{Actual Solvent Loss}}{0.64 * 3((\text{Oilseed})_i * (\text{SLF})_i)}$$

where f = The weighted average volume fraction of HAP in solvent received during the previous 12 operating months, as determined in 40 CFR 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 40 CFR 63.2853;

Oilseed = Tons of each oilseed type “i” processed during the previous 12 operating months, as shown in 40 CFR 63.2855; and

SLF = The corresponding solvent loss factor (gal/ton) for oilseed “i” as shown in Table 1 of 40 CFR 63.2840.

After 12 operating months, the source shall calculate the compliance ratio by the end of each calendar month following an operating month using the second equation. When calculating the compliance ratio, the following conditions shall be considered:

(1) If the source processes any quantity of soybean in a calendar month and the source is not operating under an initial startup period or malfunction period subject to 40 CFR 63.2850, then the source shall categorize the month as an operating month, as defined in 40 CFR 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 the source shuts down and processes no soybean for an entire calendar month, then the source shall categorize the month as a nonoperating month, as defined in 40 CFR 63.2872. Exclude any nonoperating months from the compliance ratio determination.

(4) If the source is subject to an initial startup period as defined in 40 CFR 60.2872, the source shall exclude from the compliance ratio determination any solvent and soybean information recorded for the initial startup period.

(5) If the source is subject to a malfunction period as defined in 40 CFR 63.2872, the source shall exclude from the compliance ratio determination any solvent and soybean information recorded for the malfunction period.

If the compliance ratio is less than or equal to 1.00, the source is in compliance with the HAP emission requirement for the previous operating month.

The Permittee shall be in compliance with this rule no later than 3 years after the effective date of the rule, April 12, 2001 or the date as stated in 40 CFR 63.2860. Therefore the source shall be in compliance no later than April 12, 2004 or the date as stated in 40 CFR 63.2860.

Compliance Determination Requirements

D.3.7 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

During the period between 30 and 36 months after issuance of this Part 70 permit, the Permittee shall perform VOC testing on the oil extraction system utilizing Methods 25 (40 CFR 60, Appendix A) for VOC or other methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of this valid compliance demonstration.

D.3.8 Particulate Control [326 IAC 2-7-6(6)]

Pursuant to CP-145-4300-00035, issued July 17, 1995 and in order to demonstrate compliance with Conditions D.3.2 and D.3.3. The cyclones for meal dryers and coolers shall operate at all times that those facilities are in operation.

D.3.9 Volatile Organic Compounds (VOC)

Pursuant to CP145-4300-00035, issued July 17, 1995, and in order to demonstrate compliance with Conditions D.3.1 and D.3.6, the mineral oil absorber shall operate at all times that the oil extractor process is in operation. The average mineral oil flow rate shall be determined at the time of the VOC (hexane) test.

D.3.10 VOC Compliance

Compliance with Condition D.3.1 shall be demonstrated per twelve (12) consecutive month period with compliance determined at the end of each month:

(a) The amount of VOC (hexane) used per calendar month; and

(b) The amount of soybean processed by the extraction process.

D.3.11 Compliance Requirements [326 IAC 20] [40 CFR Part 63, Subpart GGGG]

(a) Pursuant to 40 CFR 63.2850, the source shall:

(1) Pursuant to 40 CFR 63.2860, the Permittee shall submit notification of compliance status no later than 60 days after determining your initial 12 operating months compliance ratio. For an existing source, such as this source, the notification must be submitted no later than 51 calendar months after the effective date of this subpart, April 12, 2001.

(2) Develop and implement a plan for demonstrating compliance in accordance with 40 CFR 63.2851.

(3) Develop a written startup, shutdown, and malfunction (SSM) plan in accordance with the provisions in 40 CFR 63.2852.

(4) Maintain all the necessary records used to demonstrate compliance with this subpart in accordance with 40 CFR 63.2862.

(5) Submit the following reports:

(A) Annual compliance certifications in accordance with 40 CFR 63.2861(a);

(B) Periodic SSM reports in accordance with 40 CFR 63.261(c); and

(C) Immediate SSM reports in accordance with 40 CFR 63.261(d).

(6) Submit all notifications and reports and maintain all records required by the General Provisions for performance testing on the control device that destroys solvent.

(b) A malfunction as defined in 40 CFR 63.2 is a sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or process equipment to function in a usual manner. If the existing source experiences an unscheduled shutdown as a result of a malfunction, continues to operate during a malfunction (including the period reasonable necessary to correct the malfunction), or starts up after a shutdown resulting from a malfunction, then the source 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, the source must choose to comply with one of the following options listed:

(1) Normal operation. The source must meet all of the requirements listed in 40 CFR 63.2850(a) and (b).

(2) Malfunction period. Throughout the malfunction period, the source must meet all of the requirements listed in 40 CFR 63.2850(a) and Table 1 of 40 CFR 63.2850 for sources operating during a malfunction period. At the end of the malfunction period, the source must then meet all of the requirements of Table 1 of 40 CFR 63.2850 for sources under normal operation.

D.3.12 Compliance Plan [326 IAC 20] [40 CFR Part 63, Subpart GGGG]

(a) Pursuant to 40 CFR 63.2851, the source must develop and implement a written plan for demonstrating compliance that provides the detailed procedures the source 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 form 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 balance. Because the industry does not have a uniform set of procedures, the source must develop and implement a site-specific plan for demonstrating compliance before the compliance date for the source. The source shall keep the plan on-site and readily available as long as the source is operational. If the owner makes any changes to the plan for demonstrating compliance, the previous versions of the plan must be kept and made readily available for inspection for at least 5 years after each revision. The plan for demonstrating compliance must include the following:

(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 the source will use to

determine 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 the source will use to determine compliance status. Include examples how to convert data measured with one parameter to the terms for use in compliance determination;

(6) Example logs of how data will be recorded; and

(7) A plan to ensure that the data continue to meet compliance demonstration needs.

(b) IDEM, OAQ may require the source to revise the plan for demonstrating compliance. IDEM, OAQ 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 soybean processed.

D.3.13 Startup, Shutdown, and Malfunction Plan [326 IAC 20][40 CFR Part 63, Subpart GGGG]

Pursuant to 40 CFR 63.2852, the source must develop a written SSM plan in accordance with 40 CFR 63.6(e)(3) and implement the plan, when applicable. The SSM plan must be completed before the compliance date for the source. The source must 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 the source to minimize emissions during a qualifying SSM event for which the source chooses the 40 CFR 63.2580(e)(2) malfunction period, or the 40 CFR 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 procedure may come form plans the source has 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 this NESHAP.

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

D.3.14 Visible Emissions Notations

(a) Once per day visible emission notations of Pt. #7 and 8 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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 emission 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.3.15 VOC Monitoring

In order to demonstrate compliance with Conditions D.3.1 and D.3.6, the following monitoring requirements apply:

(a) The Permittee shall monitor and record the mineral oil flow rate at least once per day. The Preventive Maintenance Plan for the absorber shall contain troubleshooting contingency and corrective actions for when the flow rate readings are outside of the normal range for any one reading.

(b) The instruments used for determining the flow rate shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every eighteen (18) months.

(c) The gauge employed to take the mineral oil flow across the scrubber shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within + 10% of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.

(d) In the event that the absorber's failure has been observed, an inspection will be conducted. Based upon the findings of the inspection, any corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

(e) The mineral oil to the mineral-oil-stripping column shall be kept at a minimum temperature of 160EF or a temperature for adequate stripping of the absorbed hexane from the oil. When the process is in operation, an electronic data management system (EDMS) shall record the instantaneous temperature on a frequency of not less than every two hours. As an alternative to installing an EDMS, manual readings shall be taken every two hours.

D.3.16 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. 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). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.3.17 Record Keeping Requirements

(a) To document compliance with Conditions D.3.1 and D.3.2(a), the Permittee shall maintain records of the quantity of soybeans processed and the amount of VOC (hexane) used per calendar month.

(b) To document compliance with Condition D.3.4, the Permittee shall maintain a record showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.

(c) To document compliance with Conditions D.3.6, D.3.11, D.3.12, and D.3.13, and with 40 CFR Part 63, Subpart GGGG, the Permittee shall comply with the following:

(1) The following information must be kept on-site and readily available as long as the source is operational:

(A) Compliance Plan; and

(B) Startup, Shutdown, and Malfunction Plan.

(2) For the solvent inventory, the following information must be recorded in

accordance with the source plan for demonstrating compliance:

(A) Dates that define each operating status period during a calendar month;

(B) The operating status of the source such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval;

(C) The gallons of extraction solvent in the inventory on the beginning and ending dates of each normal operating period;

(D) The gallons of all extraction solvent received, purchased, and recovered during each calendar month;

(E) All extraction solvent inventory adjustments, additions or subtractions. The owner must document the reason for the adjustment and justify the quantity of the adjustment;

(F) The total solvent loss for each calendar month, regardless of the source operating status; and

(G) The actual solvent loss in gallons for each operating month.

(3) For the weighted average volume fraction of HAP in the extraction solvent, the owner must record the following items:

(A) The gallons of extraction solvent received in each delivery;

(B) The volume fraction of each HAP exceeding 1 percent by volume in each delivery of extraction solvent; and

(C) The weighted average volume fraction of HAP in extraction solvent received since the end of the last operating month as determined in accordance with 40 CFR 63.2854(b)(2).

(4) Record the following items, in accordance with the source plan for demonstrating compliance:

(A) The dates that define each operating period. The dates must be the same as the dates entered for the extraction solvent inventory.

(B) The operating status of the 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 being processed during a normal operating period, the owner shall record which type of listed oilseed is being processed in addition to the source operating status.

(C) The soybean inventory for the soybean being processed on the beginning and ending dates of each normal operating period.

(D) The tons of soybean received at the affected source each normal operating period.

(E) All soybean inventory adjustments, additions, or subtractions for normal operating periods. The owner must document the reason for adjustment and justify the quantity of the adjustment.

(F) The tons of soybean processed during each operating month.

(5) After the source has processed soybean for 12 operating months, and is not operating during an initial startup period as described in 40 CFR 63.2850(c)(2) or (d)(2), or a malfunction period as described in 40 CFR 63.2850(e)(2), the following items must be recorded by the end of the calendar month following each operating month:

(A) The 12 operating months rolling sum of the actual solvent loss in gallons as described in 40 CFR 63.2853(c).

(B) The weighted average volume fraction of HAP in extraction solvent received for the previous 12 operating months as described in 40 CFR 63.2854(b)(3).

(C) The 12 operating months rolling sum of soybean processes at the affected source in tons as described in 40 CFR 6355(c).

(D) A determination of the compliance ratio. Using the values from 40 CFR 63.2853, 63.2854, 63.2855 and Table 1 of 40 CFR 63.2840, calculate the compliance ratio using equation 2 of 40 CFR 63.2840.

(E) A statement of whether the source is in compliance with all of the requirements of the subpart. This includes a determination of whether the source has met all of the applicable requirements of 40 CFR 63.2850.

(6) For each SSM event subject to an initial startup period as described in 40 CFR 63.2850(c)(2) or (d)(2), or a malfunction period as described in 40 CFR 63.2850(e)(2), the following items shall be recorded by the end of the calendar month following each month in which the initial startup period or malfunction period occurred:

(A) A description and date of the SSM event, its duration, and reason it qualifies as an initial startup or malfunction;

(B) An estimate of the solvent loss in gallons for the duration of the initial startup or malfunction period with supporting documentation; and

(C) A checklist or other mechanism to indicate whether the SSM plan was followed during the initial startup or malfunction period.

(d) To document compliance with Condition D.3.14, the Permittee shall maintain records of visible emission notations of the stack exhaust once per day.

(e) To document compliance with Condition D.3.15, the Permittee shall maintain records of the following:

(1) The mineral oil flow rate;

(2) The operating temperature of the mineral oil absorber; and

(3) The temperature of the stripping column.

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

D.3.18 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Conditions D.3.1 and D.3.2(a) 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). This is the same report as required in Conditions D.1.11 and D.2.10.

(b) To document compliance with 40 CFR Part 63, Subpart GGGG, the Permittee must submit annual compliance certifications. The first annual compliance certification is due no later than 60 days after determining the initial 12 operating months compliance ratio. For an existing source, such as this source, the notification must be submitted no later than 50 calendar months after the effective date of this subpart, April 12, 2001 or the date as stated in 40 CFR 63.2860. Each subsequent annual compliance certification is due 12 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. The annual certification shall include the following information:

(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 40 CFR 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 major source of HAP.

(6) A compliance certification to indicate whether the source was in compliance for each compliance determination made during the 12 calendar period covered by the report. For each such compliance determination, the source must include a certification of the following items:

(A) The source is following the procedures described in the plan for demonstrating compliance.

(B) The compliance ratio is less than or equal to 1.00.

(c) To document compliance with 40 CFR Part 63, Subpart GGGG, the Permittee shall submit a deviation notification report for each compliance determination made in which the ratio exceeded 1.00 as determined under 40 CFR 63.2840(c). The report shall be submitted by the end or each month following the calendar month in which the deviation was determined. The deviation notification shall include the following:

(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 for which a deviation was determined.

(4) The compliance ratio comprising the deviation. The owner may reduce the frequency of submittal of the deviation notification report if the IDEM, OAQ does not object as provided in 40 CFR 63.10(e)(3)(iii).

(d) To document compliance with 40 CFR Part 63, Subpart GGGG, if the Permittee chooses to operate the source under an initial startup period subject to 40 CFR 63.2850(c)(2) or (d)(2) or a malfunction period subject to 40 CFR 63.2850(e)(2), the Permittee shall 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 shall include the following:

(1) The name, title, and signature of the source's responsible official who is certifying that the report accurately states all actions taken during the initial startup or malfunction period were consistent with the SSM plan.

(2) A description of the events occurring during the time period, the date and duration of the events, and the 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.

(e) To document compliance with 40 CFR Part 63, Subpart GGGG, if the Permittee handles a SSM during an initial startup period subject to 40 CFR 63.2850(c)(2) or (d)(2) or a malfunction period subject to 40 CFR 63.2850(e)(2) differently from procedures in the SSM plan, then the Permittee shall 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 shall include the following:

(1) The name, title, and signature of the source's responsible official who is certifying that 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.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(n) One (1) boiler, identified as the Murray boiler, constructed in 1996, firing natural gas, vegetable oil, #2 distillate fuel oil, or blends of vegetable oil and #2 distillate fuel oil, rated at 96 million Btu per hour;

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

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

D.4.1 Particulate [326 IAC 6-2-4]

326 IAC 6-2-4 (Emission Limitations for Sources of Indirect Heating) applies to the Murray boiler because it was constructed in 1996 which is after the applicability date of September 21, 1983. Pursuant to this rule, the particulate emissions from the boiler shall be limited to 0.32 pounds per million Btu heat input.

D.4.2 Sulfur Dioxide (SO_2) and Opacity [326 IAC 7-1.1-1] [326 IAC 12-1] [40 CFR 60, Subpart Dc]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) and 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units):

(a) The SO_2 emissions from the Murray boiler shall not exceed five tenths (0.5) pounds per million Btu heat input, when firing fuel oil; or

(b) The sulfur content of the fuel oil shall not exceed five-tenths percent (0.5%) by weight. [40 CFR 60.42c(d)]

Pursuant to 40 CFR 60.43c(c), when combusting fuel oil, the Murray boiler is limited to less than twenty percent (20%) opacity (6-minute average), except for one 6-minute period per hour of not more than twenty-seven percent (27%) opacity.

Pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur content and the opacity limit applies at all times, including periods of startup, shutdown, and malfunction.

Compliance Determination Requirements

D.4.3 Sulfur Dioxide Emissions and Sulfur Content

Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall demonstrate compliance utilizing one of the following options:

(a) Providing vendor analysis of fuel oil delivered, if accompanied by a certification; or

(b) Analyzing the fuel oil sample to determine the sulfur content of the fuel oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(1) Fuel oil samples may be collected from the fuel oil tank immediately after the fuel oil tank is filled and before any fuel oil is combusted; and

(2) If a partially empty fuel oil tank is refilled, a new sample and analysis would be required upon filling.

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

D.4.4 Visible Emissions Notations

(a) Visible emission notations of the boiler stack exhaust shall be performed once per day during normal daylight operations when combusting fuel oil and/or vegetable oil and exhausting to the atmosphere. 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 emission 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.

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.4.2, the Permittee shall maintain records in accordance with (1) through (6) below. Note that pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur limit applies at all times including periods of startup, shutdown, and malfunction.

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

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used.

If the fuel supplier certification is used to demonstrate compliance, when burning distillate fuel oil or blends of distillate fuel oil and vegetable oil and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier;

(6) The percentage of distillate fuel oil in the fuel; and

(7) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(b) To document compliance with Condition D.4.4, the Permittee shall maintain records of visible emission notations of the boiler stack exhaust once per day.

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

D.4.6 Reporting Requirements

(a) A certification, signed by the responsible official, that certifies all of the fuels combusted during the period. The natural gas-fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34);

(b) The natural gas boiler certification 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 six (6) month period being reported.

(c) A semi-annual summary of the information to document compliance with Condition D.4.2 in any compliance period when No. 2 fuel oil was combusted, and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period 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.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

(o) One (1) vegetable oil refinery process, constructed in 2002, consisting of crude vegetable oil receiving, storage, filtration, and degumming equipment; lecithin drying and processing equipment; oil refining, deodorizing, and filtration equipment; bulk oil handling, blending, storage, and loadout facilities; and including the following equipment:

(1) One (1) storage silo, identified as R-101, equipped with a baghouse for particulate matter control, exhausting to Stack R-101;

(2) One (1) surge tank, identified as R-102, equipped with a baghouse for particulate matter control, exhausting to Stack R-102;

(3) One (1) storage silo, identified as R-103, equipped with a baghouse for particulate matter control, exhausting to Stack R-103;

(4) One (1) surge tank, identified as R-104, equipped with a baghouse for particulate matter control, exhausting to Stack R-104;

(5) One (1) storage silo, identified as R-105, equipped with a baghouse for particulate matter control, exhausting to Stack R-105;

(6) One (1) surge tank, identified as R-106, equipped with a baghouse for particulate matter control, exhausting to Stack R-106; and

(7) One (1) natural gas-fired boiler, identified as R-107, exhausting to Stack R-107.

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

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

D.5.1 PSD Minor Limit [326 IAC 2-2]

The Permittee shall be limited by the following:

Process	Baghouse/ Cyclone	PM Limit (lb/hr)
R-101 through R-106	R-101 - R-106	1.029 (combined)

This limit, along with the limits included in Sections D.1, D.2, D.3, and D.4, ensure that the source total PM emissions remain below 250 tons per year. Therefore, 326 IAC 2-2 (Prevention of Significant Deterioration) is not applicable.

D.5.2 Particulate Emissions Limitations [326 IAC 6-3-2]

Pursuant to CP145-14642-00035, issued October 4, 2001, and 326 IAC 6-3-2, the allowable particulate emission rate from the three (3) storage silos and three (3) surge tanks, identified as R-101 through R-106, shall not exceed the pound per hour limitations calculated with the following equation:

Interpolation of the data for profess weight rate up to thirty (30) tons per hour shall be accomplished by use of the equation:

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

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

D.5.3 Particulate [326 IAC 6-2-4]

Pursuant to CP145-14642-00035, issued October 4, 2001, and 326 IAC 6-2-4 (Emission Limitations for Sources of Indirect Heating), the particulate emissions from R-107 shall be limited to less than 0.316 pounds per million British thermal units per hour.

D.5.4 Hazardous Air Pollutants (HAPs) [326 IAC 2-4.1]

Pursuant to CP145-14642-00035, issued October 4, 2001, the total amount of off-site soybean oil processed by the vegetable oil refinery shall be limited to less than 347,220,000 pounds per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to limiting the emissions of a single HAP to less than ten (10) tons per year. Therefore, the requirements of 326 IAC 2-4.1-1 (New Source Toxics Control) do not apply.

D.5.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

Pursuant to CP145-14642-00035, issued October 4, 2001, the total amount of off-site soybean oil processed by the vegetable oil refinery shall be limited to less than 347,220,000 pounds per twelve (12) consecutive month period with compliance determined at the end of each month. This is equivalent to limiting the emissions of VOC to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) do not apply.

Compliance Determination Requirements

D.5.6 Particulate Control [326 IAC 2-7-6(6)]

Pursuant to CP145-14642-00035, issued October 4, 2001, and in order to comply with Condition D.5.1 and D.5.2, the baghouses for PM control shall be in operation and control emissions from the storage silos and surge tanks, identified as R-101 through R-106, at all times when the storage silos and surge tanks are in operation.

D.5.7 HAP Emissions

Compliance with Condition D.5.4 shall be demonstrated within 30 days of the end of each month based on the total single HAP emissions for the twelve (12) month period.

D.5.8 VOC Emissions

Compliance with Condition D.5.5 shall be demonstrated within 30 days of the end of each month based on the total VOC emissions for the twelve (12) month period.

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

D.5.9 Record Keeping Requirements

(a) To document compliance with Conditions D.5.4 and D.5.5, the Permittee shall maintain monthly records of the amount of off-site soybean oil processed by the vegetable oil refinery.

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

D.5.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.5.4 and D.5.5 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.6 FACILITY CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(p) One (1) pelletizing mill, labeled as part of EU# 26, with a maximum rate of 36,000 lbs raw materials per hour (18 tph), where air stream from mill does not vent to atmosphere but instead passes on to pellet cooler;

(q) One (1) pellet cooler, labeled as part of EU# 26, with a maximum rate of 36,000 lbs raw material per hour (18 tph), using a high efficiency cyclone control device with a rating of 0.01 grains/dscf and 7,500 acfm at stack Pt#26;

(r) One (1) totally enclosed drag conveyor, with a maximum rate of 18 tons per hour;

(s) One (1) totally enclosed "L" path conveyor, with a maximum rate of 18 tons per hour; and

(t) One (1) bucket leg, with a maximum rate of 18 tons per hour.

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

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

D.6.1 Particulate Emissions Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 the Particulate emissions from the Pellet Cooling facility shall be limited to 28.4 pounds per hour at a process weight rate of 36,000 pounds per hour:

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to 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

D.6.2 PSD Minor Limit [326 IAC 2-2]

Pursuant to 326 IAC 2-2 the Particulate Matter (PM) and particulate matter with aerodynamic diameter less than ten (10) micrometers (PM_{10}) emissions from the emission unit, EU#26 shall be limited to 2.74 and 1.37 lbs/hour, respectively.

Compliance with this condition is necessary in order to limit emissions to less than 25 tons/year PM and less than 15 tons/year PM_{10} and will render the requirements of 326 IAC 2-2 not applicable to the Pellet Mill and Cooler emission unit, EU#26.

Compliance Determination Requirements

D.6.3 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with D.6.1 and D.6.2, the cyclone for particulate control shall be in operation and control emissions from the Pellet Cooler at all times that the Pellet Mill/Cooler process is in operation.

Testing Requirements

D.6.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Within 60 days after achieving the maximum production rate for emission unit EU#26 but no later than 180 days after startup of the emission unit, the Permittee shall perform PM and PM_{10} testing in order to determine compliance with D.6.1 and D.6.2 utilizing methods as approved by the Commissioner, and furnish the Commissioner a written report of the results of such performance tests.

These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM_{10} includes filterable and condensable PM_{10}. Testing shall be conducted in accordance with Section C – Performance Testing.

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

D.6.5 Visible Emissions Notations

(a) Once per day visible emission notations of the Pellet Cooler stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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 emission 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.6.6 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. 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). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.6.7 Record Keeping Requirements

(a) To document compliance with Condition D.6.5, the Permittee shall maintain records of visible emission notations of the Pellet Cooling stack exhaust once per day.

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

SECTION D.7 FACILITY CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

A-PLANT

(u) One (1) screening bin, identified as #10a.

(v) Three (3) totally enclosed conveyors to hull refining screener, identified as #25a.

(w) One (1) totally enclosed dryer feed conveyor to the dryer feed elevator, identified as #29a.

(x) Two (2) hull refining screeners, identified as #48a.

(y) Four (4) hull refining aspirators, identified as #49a, exhausting to hull refining cyclone.

(z) One (1) totally enclosed millfeed conveyor to storage, identified as #53a.

(aa) One (1) millfeed elevator, identified as #54a, controlled by truck load out baghouse, and exhausting at stack Pt #12.

(ab) One (1) seal screw conveyor, identified as #61a.

(ac) The following emission units used in the one (1) totally enclosed sized meal conveyor, identified as #79a, aspirated to meal sizing system baghouse for control, and exhausting through stack Pt #24:

(1) One (1) enclosed meal screener feeder conveyor, identified as #74a, with a maximum throughput rate of 80 tons per hour, conveying the meal produced to the meal screen system.

(2) One (1) enclosed meal grinder feed conveyor, identified as #75a, with a maximum throughput rate of 80 tons per hour, conveying the meal from the meal screen system to meal feeders.

(3) One (1) meal grinding system, identified as #76, consisting of three (3) hammer mills, with a total maximum process rate of 80 tons per hour. This process rate is limited by the maximum throughput rate of the conveyors.

(4) Two (2) enclosed sized meal conveyors, identified as #78a, with a total maximum throughput rate of 80 tons per hour, conveying the ground meal from the meal grinding system (#76) to the meal handling system.

(ad) Grain screening operations, consisting of the following units, using the screenings baghouse, and exhausting at stack Pt #5:

(1) One (1) screening surge bin;

(2) One (1) conveyor extending to the de-stoner;

(3) One (1) de-stoner, using a cyclone and the screening baghouse for control;

(4) One (1) screening grinder;

(5) Four (4) totally enclosed conveyors in a series, extending to the hull refining screener;

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

SECTION D.7 FACILITY CONDITIONS Continued

Facility Description [326 IAC 2-7-5(15)]:

(6) One (1) cyclone exhausting to the screening baghouse;

(7) One (1) surge bin elevator;

(8) One (1) whole bean surge bin;

(9) One (1) dryer feed elevator;

(10) One (1) totally enclosed dryer feed conveyor, transferring beans to the dryer feed elevator;

(11) Two (2) whole bean aspirators, in parallel;

(12) One (1) dryer discharge conveyor;

(13) One (1) day bin elevator;

(14) Two (2) day bins;

(15) Two (2) totally enclosed conveyors, arranged in a series;

(16) Two (2) conveyors extending from the dryer to the dryer discharge conveyor;

(17) One (1) milling elevator;

(18) One (1) product meal conveyor, identified as #1;

(19) One (1) meal surge conveyor, identified as #2;

(20) Three (3) meal storage silos;

(21) One (1) load out leg conveyor;

(22) One (1) load out meal elevator;

(23) One (1) meal transfer conveyor; and

(24) One (1) screening transfer conveyor to screenings bucket elevator.

B-PLANT

(ae) One (1) totally enclosed millfeed conveyor to storage, identified as #2b.

(af) One (1) millfeed elevator, identified as #3b, exhausting at stack Pt #12.

(ag) One (1) aspirator between milling leg and bean scale, identified as #4b, aspirated to milling baghouse, and exhausting at stack Pt #4.

(ah) One (1) totally enclosed hull collecting conveyor, identified as #5b, feeding the “B” plant hull refining screener.

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

SECTION D.7 FACILITY CONDITIONS Continued

Facility Description [326 IAC 2-7-5(15)]:

(ai) One (1) “B” plant whole bean surge bin #2, identified as #6b.

(aj) One (1) “B" plant hull grinder, identified as #7b, discharging to the screening baghouse, and exhausting at stack Pt #5.

(ak) One (1) "B" plant whole soybean feed bucket elevator, identified as #8b, controlled by the screening baghouse, and exhausting at stack Pt #5.

(al) One (1) "B" plant totally enclosed bean heater discharge conveyor, identified as #9b.

(am) One (1) "B" plant whole bean aspiration, identified as #10b, controlled by the screening baghouse, and exhausting at stack Pt #4.

(an) One (1) "B" plant bean weighing system, identified as #11b, controlled by the screening baghouse, and exhausting at stack Pt #4.

(ao) One (1)"B" plant totally enclosed millfeed grinding conveyor, identified as #12b, controlled by the screening baghouse, and exhausting at stack Pt #5.

(ap) Two (2) "B" plant hull refining screeners, identified as #13b, controlled by the screening baghouse, and exhausting at stack Pt #5.

(aq) Two (2) "B" plant aspirator, identified as #14b, controlled by a hull refining cyclone, exhausting at stack Pt #18.

(ar) One (1) "B" plant totally enclosed feed conveyor, identified as #15b.

(as) One (1) "B" plant bean heater, identified as #16b, controlled by a bean heater cyclone, and exhausting at stack Pt # 25.

(at) One (1) totally enclosed "B" plant soybean conveyor (feeding the jet dryers), identified as #17b, controlled by a cyclone, and exhausting at stack Pt # 18.

(au) One (1) set of "B" plant jet dryers, identified as #18b, controlled by a dryer cyclone, and exhausting at stack Pt # 18.

(av) One (1) "B" plant bean heaters cyclone, identified as #19b, exhausting at stack Pt # 18A.

(aw) One (1) "B" plant bean dryers cyclone, identified as #20b, exhausting at stack Pt # 18A.

(ax) Two (2) "B" plant hulloosenators, identified as #21b.

(ay) One (1) set of "B" plant cascade dryers controlled by CCD cyclone and exhausted at stack Pt #18, identified as #22b.

(az) One (1) set of "B" plant cracking rolls, identified as #23b.

(ba) One (1) set of "B" plant cascade coolers, identified as #24b, controlled by a ccc cyclone, and exhausting at stack Pt # 18.

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

SECTION D.7 FACILITY CONDITIONS Continued

Facility Description [326 IAC 2-7-5(15)]:

(bb) Two (2) "B" plant totally enclosed after cascade coolers conveyors (feeding the flakers), identified as #25b, controlled by a soybean flaking baghouse, and exhausting at stack Pt #19.

(bc) One (1) "B" plant ccc cyclone, identified as #26b, exhausting at stack Pt # 18A.

(bd) One (1) set of "B" plant flakers, identified as #27b, controlled by a flakers baghouse, and exhausting at stack Pt # 19.

(be) One (1) "B" plant flakers baghouse, identified as #28b, exhausting at stack Pt # 19.

(bf) Two (2) "B" plant totally enclosed flake conveyors (feeding the seal conveyor), identified as #29b.

(bg) One (1) "B" plant totally enclosed seal screw conveyor (feeding the slurry loader conveyor), identified as #30b.

(bh) One (1) "B" plant totally enclosed slurry loader conveyor (feeding the extractor), identified as #31b.

(bi) One (1) "B" plant soybean oil extractor, identified as #32b, controlled by one (1) mineral oil absorption system, and exhausted at stack Pt # 23.

(bj) A set of "B" plant evaporators, identified as #33b, controlled by two (2) mineral oil absorption systems, and exhausted at stack Pt # 23.

(bk) A set of "B" plant condensers, hexane handling system and water separator to separate hexane and water, identified as #34b, controlled by one (1) mineral oil absorption system, and exhausted at stack Pt # 23.

(bl) One (1) "B" plant mineral oil absorption system with a mineral oil to control hexane emissions, identified as #35b, and exhausted at stack Pt # 23.

(bm) One (1) totally enclosed "B" plant spent flake conveyor, identified as #36b.

(bn) Two (2) "B" plant meal dryers (#1 & #2), identified as #37b, controlled by one (1) dryer cyclone, and exhausting at stack Pt # 21.

(bo) One (1) "B" plant meal cooler (#3) , identified as #38b, controlled by one (1) cooler cyclone, and exhausting at stack Pt # 22.

(bp) Four (4) "B" plant totally enclosed unground meal conveyors in series (meal screening system), identified as #39b.

(bq) One (1) meal sizing baghouse, identified as #40b, exhausting at stack Pt #24.

(br) One (1) boiler, identified as Boiler No. 2, firing natural gas, vegetable oil, #2 distillate fuel oil, or blends of vegetable oil and #2 distillate fuel oil, rated at 240 million Btu per hour, controlled by low NOx burners and flue gas recirculation, and exhausting at stack Pt. # 20.

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

Facility Description [326 IAC 2-7-5(15)]:

(bs) One (1) screening leg, identified as #41b, transferring screenings from the screenings transfer conveyors to the screening surge bin.

(bt) One (1) totally enclosed dryer feed conveyor, identified as #43b, transferring beans to the dryer feed elevator, controlled by screening baghouse, and exhausting at stack Pt #5.

(bu) One (1) whole bean surge silos discharge conveyors feeding "B" Milling bucket elevator, identified as #49b, controlled by screenings baghouse and exhausting at stack Pt #5.

(bv) One (1) "B" milling bucket elevator, identified as #50b, controlled by the Milling aspiration baghouse and exhausting at stack Pt #4.

(bw) One (1) bean heater feed bucket elevator, identified as #51b, controlled by the screenings baghouse and exhausting at stack Pt #5.

(bx) One (1) bean heater discharge bucket elevator, identified as #52b, controlled by the screenings baghouse and exhausting at stack Pt #5.

(by) One (1) screenings transfer conveyors to the cracking rolls, identified as #53b, controlled by East jet dryer cyclone and exhausting at stack Pt #18.

(bz) One (1) hull grinder controlled screenings baghouse and exhausting at stack Pt #5.

(ca) One (1) "B" unground meal bucket elevator, identified as #55b, controlled by meal grinding baghouse at stack Pt #24.

(cb) One (1) "B" DT feed conveyor, identified as #56b.

(cc) One (1) "B" desolventizer toaster, identified as #57b, controlled by the mineral oil absorption system and exhausting at stack Pt #23.

(cd) One (1) "B" above ground hexane storage tank controlled by the mineral oil absorption system and exhausting at stack Pt #23.

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

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

D.7.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart 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 facility described in this section except when otherwise specified in 40 CFR Part 60, Subpart Db.

D.7.2 New Source Performance Standard (NSPS) [326 IAC 12] [40 CFR 60, Subpart Db]

Pursuant to SSM 145-9618-00035, 326 IAC 12 and 40 CFR 60, Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units):

(a) Pursuant to 40 CFR 60.43b(f) (Opacity Limitation), on and after the date on which the initial performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first, the Permittee shall not cause to be discharged into the atmosphere from the Boiler No. 2, any gases that exhibit greater than twenty percent (20%) opacity (6-minute average) except for one 6-minute period per hour of not more than twenty-seven percent (27%) opacity. The opacity standards apply at all times,

except during period of startup, shutdown, or malfunction.

(b) Pursuant to 40 CFR 60.44b(a) (Nitrogen Oxides Limitation) the Permittee shall not cause to be discharged into the atmosphere from the Boiler No. 2 any gases that contain nitrogen oxides (expressed as NO_2) in excess of 0.20 lb/million Btu. The nitrogen oxides standard shall apply at all times including the period of start-up, shutdown, or malfunction emissions.

(c) Pursuant to 40 CFR 60.42b(d) and 326 IAC 7-1.1-2 (Sulfur Dioxides Limitation), on and after the date on which the initial performance test is completed or required to be completed under 40 CFR 60.8, whichever date comes first:

(1) The SO_2 emissions from Boiler No. 2 shall not exceed five tenths (0.5) pounds per million Btu heat input; or

(2) The sulfur content of the fuel oil shall not exceed five-tenths percent (0.5%) by weight.[40 CFR 60.8]

(3) The SO_2 emission limits and fuel oil sulfur limits apply at all times, including period of startup, shutdown, and malfunction. [40 CFR 60.8]

D.7.3 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR 63, Subpart A]

The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 20-1, apply to the oil extraction and processing operations listed in this section except when otherwise specified in 40 CFR 63, Subpart GGGG.

D.7.4 Solvent Extraction for Vegetable Oil Production NESHAP [326 IAC 20] [40 CFR Part 63, Subpart GGGG]

The B plant is subject to 40 CFR 63.2840 with a compliance date of the startup date of the B-plant. The solvent (hexane) loss factor from the soybean process shall not exceed 0.2 gallons per ton of soybeans processed. The Permittee shall:

(a) Calculate a compliance ratio, which compares the actual HAP loss to the allowable HAP loss for the previous 12 operating months. An operating month, as defined in 40 CFR 63.2872, is any calendar month in which a source processes soybean, excluding any calendar month in which the source operated under an initial startup period subject to 40 CFR 63.2850(c)(2) or (d)(2) or a malfunction period subject to 40 CFR 63.2850(e)(2). The equation to calculate a compliance ratio follows:

(1) Compliance Ratio = (Actual HAP loss)/(Allowable HAP loss) (Eq. 1)

(2) Equation 1 can also be expressed as a function of total solvent loss as shown in Equation 2.

(3) Compliance Ratio = [f* Actual Solvent Loss]/
0.64[{(Soybean processed)C * (SLFC)} } (Eq. 2)

f = The weighted average volume fraction of HAP in solvent received during the previous 12 operating month, as determined in 40 CFR 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 40 CFR 63.2853

SLFC = 0.2 gals/ton (for A and B plants) as listed in Table 1 of 40 CFR 63.2840

(b) When the source has processed soybean for 12 operating months, calculate the compliance ratio by the end of each calendar month following an operating month using Equation 2. When calculating the compliance ratio, consider the following conditions and exclusions in paragraphs (b)(1) through (6):

(1) If soybean is processed in a calendar month and the process is not operating under an initial startup period or malfunction period subject to 40 CFR 60.2850, then that month is categorized as an operating month, as defined in 40 CFR 63.2872.

(2) The 12 month compliance ratio may include operating months prior to a source shutdown and operating months that follow after the source resumes operation.

(3) If the source shuts down and processes no soybean for an entire calendar month as a non operating month, as defined in 40 CFR 63.2872, exclude any non operating months from the compliance ratio determination.

(4) If the source is subject to an initial startup period as defined in 40 CFR 63.2872, exclude from the compliance ratio determination any solvent and soybean information recorded for the initial startup period.

(5) If the source is subject to a malfunction period as defined in 40 CFR 63.2872, exclude from the compliance ratio determination any solvent and soybean information recorded for the malfunction period.

(6) The solvent loss factor to determine the compliance ratio may change each operating month depending on the tons of soybean 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, then the source met the HAP emission requirements for the previous operating month.

(d) The Permittee shall develop and implement a written plan in accordance with 40 CFR 63.2851 that provides the detailed procedures to monitor and record necessary data.

(e) The Permittee shall develop a written SSM (Startup, Shutdown, and Malfunction) in accordance with 40 CFR 63.6(e)(3), and implement the plan, when applicable. The Permittee must complete the SSM plan before the compliance date for this source.

(f) The SSM plan provides detailed procedures for operating and maintaining the source to minimize emissions during a qualifying SSM event for which the source chooses the 40 CFR 63.2850(e)(2) malfunction period, or the 40 CFR 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.

D.7.5 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart 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 units described in Condition D.7.6 except when otherwise specified in 40 CFR Part 60, Subpart DD.

D.7.6 New Source Performance Standards(NSPS) Grain Elevators [326 IAC 12] [40 CFR Part 60, Subpart DD]

Pursuant to 40 CFR Part 60, Subpart DD (Standards of Performance for Grain Elevators), the PM emissions from bin #2 and the screenings baghouse which exhaust through Pt #5 shall not exceed 0.01 gr/dscf and the gasses discharged shall not exceed 0 percent opacity. Additionally, fugitive emissions from the truck unloading station and rail car unloading station shall not exceed 5 percent opacity while fugitive emissions from the grain handling station shall not exceed 0 percent opacity.

D.7.7 PSD Minor Limit [326 IAC 2-2]

(a) The soybeans processed by the "B" plant, on an "as received" basis, shall be limited to 1,073,159 tons per twelve (12) consecutive month period (equivalent to an oil extraction process throughput of 1,065,538 tons per 12-month period), rolled on a monthly basis. This soybean limitation is required to limit the potential to emit of PM and PM-10 to 225 and 218 tons per 12-month period, rolled on a monthly basis, respectively.

(b) The following facilities' PM and PM-10 emissions rates shall be limited as follows:

Process	Baghouse/ Cyclone	PM Limit (lb/hr)	PM-10 Limit (Filterable)(lb/hr)
Screening Baghouse	Baghouse Pt #5	1.52	1.52
Truck unloading #1 and #2 fugitives		7.29	2.39
Rail unloading fugitives		0.64	0.156
B Bean Heater	Cyclone Pt #25	0.62	0.62
Hot cracking and dehulling system, B-plant	Four Cyclones Pt #18	25.8	25.8
Soybean Flaking, B-Plant	Baghouse Pt #19	0.69	0.69
DTDC meal dryers #1 and #2, B-Plant	Cyclone Pt #21	4.56	4.56
DTDC meal coolers #1 and #2, B-Plant	Cyclone Pt #21	12.82	12.82
Meal sizing system	Baghouse Pt. #24	1.29	1.29
Boiler No. 2	Stack Pt #20	10.5 tpy	10.5 tpy

(c) The amount of distillate oil with 0.5% sulfur maximum, combusted in the Boiler No. 2 shall be limited to 6,343,949 gallons per 12 month period rolled on a monthly basis. This distillate oil limitation is required to limit the potential to emit of SO_2 emissions of 249 tons per 12 month period, rolled on a monthly basis.

(d) The amount of vegetable oil combusted in Boiler No. 2 shall not exceed 4,540,000 gallons per 12 month period rolled on a monthly basis. When using blends of vegetable oil and distillate fuel oil, only the volume of fuel which is vegetable oil shall count toward the usage limit.

(e) When burning vegetable oil, or blends of vegetable oil and distillate fuel oil, PM_{10} emissions shall not exceed 0.016 pounds per million Btu heat input. This condition, along with the vegetable oil usage limit, is required to limit the potential to emit PM_{10} emissions from Boiler No. 2 to less than 10.5 tons per 12 month period, rolled on a monthly basis.

Compliance with these limits makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable for PM, PM_{10} and SO_2 emissions. This will also satisfy the rule 326 IAC 6-3-2.

D.7.8 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emissions from the screen grinding, whole surge bins loading and unloading, whole bean aspiration, whole bean weighting, hot cracking and dehulling system (B-plant), flaking system (B-plant), soybean millfeed grinding system (B-plant), DTDC meal dryers (B-plant), DTDC meal coolers (B-plant), meal sizing system, flow coat unloading system, and meal and millfeed storage and loadout system shall not exceed the pound per hour emission rate calculated using the following equations:

Interpolation of the data for the process weight rate up to thirty (30) tons 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

or depending on the process weight rate:

Interpolation and extrapolation of the data for the process weight rate in excess of thirty (30) tons 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 a IDEM, OAQ confidential file because the process weight rates are considered confidential by the source.

D.7.9 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4, the PM emissions from Boiler No. 2 shall not exceed 0.24 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

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

Where Pt = emission rate limit (lbs/MMBtu)
Q = total source capacity (336 MMBtu/hr)

D.7.10 Best Available Control Technology (BACT) [326 IAC 8-1-6]

Pursuant to 326 IAC 2-2-3 (BACT Requirements):

(a) the Permittee shall control volatile organic compound (VOC) emissions from the combined "A" and "B" soybean oil extraction processes as follows:

Facility	Control	Emission Limit
Oil extractor "B" plant	Mineral oil absorber system	0.069 lb VOC/ton soybean
Meal dryers "B" plant	None	0.152 lb VOC/ton soybean
Meal coolers "B" plant	None	0.152 lb VOC/ton soybean
Combined "A" and "B" plants	First Year	0.20 gal VOC/ton soybean processed
	After first year	0.19 gal VOC/ton soybean processed
Maximum annual soybean processed by combined "A" and "B" plants, as received		1,901,996 tons per year

(b) BACT for fugitive hexane loss will include an annual leak check in accordance with Bunge's standard operating procedures accompanied by continuous monitoring of the process area by flammable gas monitors. The leak check will be completed on the affected system after hexane is reintroduced into the system.

For emergency repairs and/or maintenance completed between annual maintenance shutdowns, a leak check will be completed on the affected.

(1) The Permittee shall immediately tag all detected leaks with a weatherproof and readily visible identification tag with a distinct number. Once a leaking component is detected, first-attempt repairs must be done within five days and be completed within 15 days of detecting the leaking components. If the repair can not be accomplished within 15 days, then the Permittee shall send a notice of inability to repair to the OAQ within 20 days of detecting the leak. The notice must be received by:

Indiana Department of Environmental Management
Technical Support and Modeling, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

within 20 days after the leak was detected. At a minimum the notice shall include the following:

(A) Equipment, operator, and instrument identification number, and date of leak detection

(B) Measured concentration (ppm) and background (ppm)

(C) Leak identification number associated with the corresponding tag

(D) Reason of inability to repair within 5 to 15 days of detection

Compliance Determination Requirements

D.7.11 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 3]

(a) Pursuant to SSM 145-9618-00035, 40 CFR 60, subpart Db and 326 IAC 2-2, compliance tests, tests for PM and PM-10, and opacity observations shall be performed for the affected facilities, as shown below, to comply with Conditions D.7.2 and D.7.7(a) and (b) within 60 days after achieving maximum production rate, but no later than 180 days after initial start up. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C- Performance Testing.

Facilities	Pollutant/Opacity
Screening baghouse (PT # 05)	PM/PM-10/Opacity
Boiler No. 2	Opacity/NOx

(b) Pursuant to 40 CFR 60, Subpart Db, the Permittee shall determine one of the following:

(1) Provide vendor analysis of fuel oil delivered, if accompanied by a certification; or

(2) Analyze the fuel oil sample to determine the sulfur content of the fuel oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Fuel oil samples may be collected from the fuel oil tank immediately after the fuel oil tank is filled and before any fuel oil is combusted; and

(B) If a partially empty fuel oil tank is refilled, a new sample and analysis would be required upon filling.

(c) Pursuant to 326 IAC 3 (Construction and Operating Permit Requirements), the Permittee shall develop a representative stack testing plan which identifies the method in which emissions from the following sources shall be evaluated to satisfy the Operation Condition No. D.7.7(a), and (b), within 18 months of startup. The facilities listed in (a)

above may be proposed as representative facilities.

Facilities	Pollutant
Hot cracking and dehulling system, B-plant (Pt# 18, 25)	PM, PM-10
Soybean flaking, B-plant (PT# 19)	PM, PM-10
Mineral oil absorption system (PT# 23)	VOC, Mineral oil flow rate
DTDC meal dryers #1 & #2, B-plant (PT# 21)	PM, PM-10
DTDC meal coolers #1 & #2, B-plant (PT# 22)	PM, PM-10
Meal sizing system (PT# 24)	PM, PM-10
Millfeed and meal storage and truck loadout (PT# 12)	PM, PM-10
Rail loadout #1 (PT# 13)	PM, PM-10

The Permittee shall submit the stack test plan to IDEM after the entire source has achieved a successful start up. This plan shall be reviewed and approved by IDEM. This plan shall outline the measures to be taken to meet the permitted emission rates and shall provide that the emission units meet the limits for the facilities except the facilities in (a) be completed within 18 months of the date of the entire source start-up. The stack tests shall be performed for the facilities in (a) within 60 days after achieving maximum production rate, but no later than 180 days after initial start up of the facilities in (a).

(d) In order to demonstrate compliance with Condition D.7.7(e), no later than 180 days from the commencement of vegetable oil combustion, the Permittee shall conduct performance tests for PM_{10} on Boiler No. 2 during vegetable oil combustion, and furnish the Commissioner a written report of the results of such performance tests. Testing shall be conducted in accordance with the Section C – Performance Testing.

(e) Whenever the results of the stack test performed exceed the level specified in this permit, appropriate corrective actions shall be implemented within thirty (30) days of receipt of the test results. These actions shall be implemented immediately unless notified by OAQ that they are acceptable. The Permittee shall minimize emissions while the corrective actions are being implemented.

(f) Whenever the results of the stack test performed exceed the level specified in this permit, a second test shall be performed within 120 days. Failure of the second test to meet the limits may be grounds for immediate revocation of this permit to operate the affected facility.

D.7.12 Particulate Control [326 IAC 2-7-6(6)]

(a) In order to comply with Condition D.7.7(a) and (b), the following conditions apply:

The baghouses and cyclones shall be in operation at all times that the processes are in operation.

(b) 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.

D.7.13 Volatile Organic Compounds (VOC)

In order to comply with Condition D.7.4, the absorber shall be operated at all times the oil extractor process is in operation at an average mineral oil flow rate to be determined at the time of the VOC (hexane) test.

D.7.14 Opacity [326 IAC 12] [40 CFR 60.48]

Pursuant to 40 CFR 60.48b (a) the Permittee shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere from the Boiler No. 2 at any time that the boiler is combusting fuel oil no. 2.

D.7.15 Nitrogen Oxides Emissions (NOx) [326 IAC 12] [40 CFR 60.48]

Pursuant to 40 CFR 60.48b (b), (c), (d), and (e), the Permittee shall install, calibrate, maintain, and operate a continuous monitoring system for measuring nitrogen oxides emissions discharged to the atmosphere from the Boiler No. 2.

or

Pursuant to 40 CFR 60.48b (g) the Permittee shall monitor steam generating unit operating conditions and predict nitrogen dioxides emission rates as specified in a plan submitted pursuant to 40 CFR 60.49b(c).

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

D.7.16 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust Pt# 4, 5, 12, 18, 19, 20, 21, 22, 23, 24, and 25 shall be performed once per day during normal daylight operations when exhausting to the atmosphere. 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 emission 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.

(f) The Permittee shall take response actions anytime that there is an abnormal visible emission from control devices or high level of material on cyclones.

D.7.17 Parametric Monitoring

(a) Alarms shall be operational on all cyclone high level indicators. If an alarm sounds, the Permittee shall take reasonable response steps. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) The Permittee shall record the pressure drop across the bag houses used in conjunction with the associated processes, at least once per day when the associated processes are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 to 8.0 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 or 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.

(c) 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 or at a frequency recommended by the manufacturer.

D.7.18 Broken or Failed Bag Detection

(a) For a single compartment baghouse 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 has been repaired or replaced. The emissions unit shall be shut down no later that the completion of the processing of the material in the line. 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 indicted by a significant drop in the baghouses 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.7.19 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. 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). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.7.20 VOC Monitoring

In order to demonstrate compliance with Conditions D.7.4 and D.7.10, the following monitoring requirements apply:

(a) The Permittee shall monitor and record the mineral oil flow rate at least once per day. The Preventive Maintenance Plan for the absorber shall contain troubleshooting contingency and corrective actions for when the flow rate readings are outside of the normal range for any one reading.

(b) The instruments used for determining the flow rate shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every eighteen (18) months.

(c) The gauge employed to take the mineral oil flow across the scrubber shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within + 10% of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.

(d) In the event that the absorber's failure has been observed, an inspection will be conducted. Based upon the findings of the inspection, any corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

(e) The mineral oil to the mineral-oil-stripping column shall be kept at a minimum temperature of 180EF for adequate stripping of the absorbed hexane from the oil. When the process is in operation, an electronic data management system (EDMS) shall record the instantaneous temperature on a frequency of not less than every two hours. As an alternative to installing an EDMS, manual readings shall be taken every two hours.

D.7.21 Opacity Monitoring [326 IAC 12] [40 CFR 60, Subpart Db]

Pursuant to 40 CFR 60.48b (a), Subpart Db, the following requirements shall be met:

(a) The continuous monitoring system shall be operated and data recorded during all periods of operation of the Boiler No. 2 during the times in which fuel oil no. 2 is combusted only except for continuous monitoring system breakdowns and repairs. Data shall be recorded during calibration checks, and zero and span adjustments.

(b) The procedures under 40 CFR 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems.

D.7.22 Nitrogen Oxides (NOx) Monitoring [326 IAC 12] [40 CFR 60, Subpart Db]

Pursuant to 40 CFR 60.48b (b), (c), (d), and (e), the following requirements shall be met:

(a) The Permittee shall install, calibrate, maintain, and operate a continuous monitoring system for measuring nitrogen oxides emissions discharged to the atmosphere from the Boiler No. 2, and record the output of the system.

(b) The continuous monitoring system shall be operated and data recorded during all periods of operation of the Boiler No. 2 except for continuous monitoring system breakdowns and repairs. Data shall be recorded during calibration checks, and zero and span adjustments.

(c) The 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor shall be expressed in ng/J or lb/million Btu heat input and shall be used to calculate the average emission rates. The 1-hour averages shall be calculated using the data points required under 40 CFR 60.13 (b). At least two data points must be used to calculate each 1-hour average.

(d) The procedures under 40 CFR 60.13 shall be followed for installation, evaluation, and operation of the continuous monitoring systems. The span value for natural gas combustion, the nitrogen oxides span values shall be 500 ppm. All span values shall be rounded to the nearest 500 ppm.

(e) When nitrogen oxides emission data are not obtained because of continuous monitoring system break-downs, repairs, calibration checks and zero and span adjustments, emission data will be obtained by using standby monitoring systems, Method 7, Method 7A, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

or

In the event Bunge decides to meet the nitrogen oxides limit through 40 CFR 60.48b(g), the established parameter shall be monitored to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days.

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

D.7.23 Record Keeping Requirements

Pursuant to 326 IAC 2-1-3(i) and 326 IAC 2-2:

(a) The Permittee shall maintain records of the soybean processed by B-Plant and fuel oil #2 burned in Boiler No. 2.

(b) The Permittee shall maintain records of the opacity, and NOx emissions of the Boiler No. 2 as required in 40 CFR 60.49b(f), and (g) respectively.

(c) The Permittee shall maintain records of the sulfur content in fuel oil #2 burned in Boiler No. 2.

(d) The Permittee shall maintain records from combined plants “A” and ”B” of the following:

(1) The amount of VOC (hexane) used per calendar month by the combined plants "A" and "B";

(2) The amounts of soybean processed by the combined plants "A" and "B"; and

(3) The gallons of hexane used per ton of soybean processed by the combined plants "A" and "B"

(e) The Permittee shall maintain records of the following:

(1) Equipment inspected;

(2) Date of inspection; and

(3) Determination of whether a leak was detected.

If a leak is detected, the Permittee shall record the following information.

(A) The equipment, operator, and instrument identification number;

(B) Measured concentration;

(C) Leak identification number associated with the corresponding tag;

(D) Date of repair;

(E) Reason for non-repair if unable to repair within 5 to 15 days of detection;

(F) Maintenance recheck if repaired-date, concentration, background, and

(G) Any appropriate comments.

(f) Pursuant to 40 CFR Part 63, Subpart GGGG, the Permittee shall maintain records of the following:

(1) For the first twelve months, record the items in paragraphs 40 CFR 63.2862(c)(1) through (c)(3).

(2) After the source has processed soybeans for 12 operating months, and the source is not operating during an initial startup period as described in 40 CFR 63.2850(c)(2) or (d)(2), or a malfunction period as described in 40 CFR 63.2850 (e)(2), record the items in 40 CFR 63.2862(d)(1) through (5) by the end of calendar month following each operating month.

(3) For each event subject to an initial startup period as described in 40 CFR 63.2850(c)(2) or (d)(2), or a malfunction period as described in 40 CFR 63.2850(e)(2), record the items in 40 CFR 63286(e)(1) through (3).

(4) The Permittee shall keep the Response to Excursions or Exceedances and SSM plan on-site and readily available as long as the source is operational.

(g) To document compliance with Condition D.7.16, the Permittee shall maintain records of visible emission notations of the stack exhaust (Pt # 4, 5, 12, 18, 19, 20, 21, 22, 23, 24, and 25) once per day.

(h) To document compliance with Condition D.7.17, the Permittee shall maintain records of the pressure drops across the baghouses. The Permitee shall also maintain records of any alarms that sound and response steps taken.

(i) The Permittee shall maintain records of the following:

(1) Once per day records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle operation.

(j) The Permittee shall maintain records of the events of the cyclone failure detection and the dates the failed units were repaired or replaced.

(k) The Permittee shall maintain records of the followings:

(1) The daily record of the mineral oil flow rate of the B-plant absorber

(2) The events of the B-plant absorber's failure, findings of the inspections subsequent to B-plant absorber's failure, the corrective actions taken, and the time table for completion

(3) The operating temperatures of the B-plant mineral oil absorber

(4) The temperature of the B-plant mineral oil stripping column

(l) The Permittee shall maintain records of the opacity monitor data.

(m) The Permittee shall maintain records of the nitrogen oxides monitor data.

(n) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit, and 40 CFR 63.2862.

D.7.24 Reporting Requirements

(a) A quarterly summary of the information to meet the condition D.7.7(a) and (c) 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).

(b) Annual compliance certification -The first annual compliance certification for NESHAP requirements of 40 CFR 63, Part GGGG, is due 12 calendar months after the source submits the notification of compliance status. Each 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. The report should include the information in paragraphs 40 CFR 63.2661(a)(1) through (6).

(c) Deviation notification report - Submit a deviation notification report for each determination in which the compliance ratio exceeds 1.0 as determined under 40 CFR 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 40 CFR 63.2861(b)(1) through (4).

(d) Periodic startup, shutdown, and malfunction report - If the source is operating under an initial startup period subject to 40 CFR 63.2850(c)(2) or (d)(2) or a malfunction period subject to 40 CFR 63.2850(e)(2), submit the 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 40 CFR 63.2861(c)(1) through (3).

(e) Intermediate SSM reports - If the source handles a SSM during an initial startup period subject to 40 CFR 63.2850(c)(2) or (d)(2) or a malfunction period subject to 40 CFR 63.2850(e)(2) differently from procedures in SSM plan, then submit an immediate SSM report Intermediate reports consists of a telephone call or facsimile transmission to the responsible agency within 2 working days after starting actions consistent 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 40CFR 63.2861(d)(1) through (3).

(f) Pursuant to 326 IAC 7-2-(a)(3), the applicant shall submit reports of calendar month for annual average sulfur content or sulfur dioxide rate in pounds per million Btu, heat content, fuel consumption upon request to the Office of Air Quality.

(g) The Permittee shall report the data of the opacity and NOx emissions as required in 40 CFR 60.49b.

SECTION D.8 FACILITY CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities

(a) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower;

(b) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;

(c) 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:

(1) One (1) #2 fuel oil storage tank, identified as #4, with a capacity of 3,958 cubic feet;

(2) One (1) soybean oil storage tank, identified as #6, with a capacity of 38,000 cubic feet;

(3) One (1) soybean oil storage tank, identified as #7, with a capacity of 38,000 cubic feet; and

(4) One (1) #2 fuel oil storage tank, identified as #10, with a capacity of 3,958 cubic feet.

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

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

D.8.1 Particulate Emissions Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate emissions rate 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 shall not exceed 0.551 pounds per hour. The following insignificant activities are subject to this rule: blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower; and replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

D.8.2 Storage Tanks [326 IAC 12]

326 IAC 12 is applicable to the fuel oil storage tanks #4 and #10 and the soybean oil storage tanks #6 and #7. Pursuant to this rule, no specific emissions limitations or standards apply, but record keeping requirements are listed in the Record Keeping portion of this Section.

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

D.8.3 Record Keeping Requirements [326 IAC 12]

Pursuant to 326 IAC 12, as of July 1, 2000, the Permittee shall maintain readily available records showing the dimensions of the storage tanks and an analysis showing the capacity of the storage tanks. Additionally, for storage tanks #4, #6, #7, and #10, the Administrator shall be notified within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure value for each volume range.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Bunge North America (East), Inc.
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035

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
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), Inc.
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035

This form consists of 2 pages **Page 1 of 2**

9 This is an emergency as defined in 326 IAC 2-7-1(12) C 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 C 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 Describe:
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), Inc.
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035

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), Inc.
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035
Facility: Soybean Processing Facilities (A-Plant (Existing))
Parameter: Soybean throughput
Limit: Less than 828,837 tons of soybean per twelve (12) consecutive month period, on an "as received" basis, with compliance determined at the end of each month

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), Inc.
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035
Facility: Soybean Processing Facilities (B-Plant)
Parameter: Soybean throughput
Limit: Less than 1,073,159 tons of soybean processed per twelve (12) consecutive month period, on an "as received" basis, with compliance determined at the end of each month

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), Inc.
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035
Facility: Vegetable Oil Refinery
Parameter: Amount of off-site oil processed
Limit: Less than 347,220,000 pounds of oil per twelve (12) consecutive month period with compliance determined at the end of each month

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), Inc..
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035
Facility: Soybean Processing Facilities (A Plant (Existing))
Parameter: Hexane Usage
Limit: Less than 481.8 tons of hexane per twelve (12) consecutive month period with compliance determined at the end of each month

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), Inc.
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035
Facility: Boiler No. 2
Parameter: Soybean throughput SO_2 emissions limit (249 tons per twelve (12) consecutive month period) and fuel oil usage limit.
Limit: 6,343,949 gallons of No. 2 fuel oil per twelve (12) consecutive month period.

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 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Bunge North America (East), Inc.
Source Address: 700 N. Rangeline Road, Morristown, Indiana 46161-9643
Mailing Address: P.O. Box 860, Morristown, Indiana 46161-9643
Part 70 Permit No.: T145-9004-00035

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 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 (TSD) for a Significant Permit Modification to an existing Part 70 Operating Permit

Source Background and Description

Source Name:	**Bunge North America (East), Inc. F.K.A. Central Soya Company, Inc.**
Source Location:	**700 N. Rangeline Road, Morristown, Indiana 46161-9643**
County:	**Shelby**
SIC Code:	**2075**
Operation Permit No.:	**T145-9004-00035**
Operation Permit Issuance Date:	**June 29, 2004**
Permit Resolution No.:	**T145-19796-00035**
Permit Reviewer:	**James Farrell**

On May 29, 2006 the Office of Air Quality (OAQ) had a notice published in the Shelbyville News, Shelbyville, Indiana, stating that Bunge North America (East), Inc. had petitioned for an administrative review of the Part 70 Operating Permit to operate a soybean oil processing plant. 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. No comments were received during this review.

Upon further review, OAQ has decided to make the following revisions to the permit. Bolded language has been added and language with strikeout has been deleted. The changes are as follows:

(a) All references to the IDEM, OAQ, Compliance Section telephone number have been revised as follows: ~~317-233-5674~~ **317-233-0178**.

(b) All references to the IDEM, OAQ, Compliance Section facsimile number have been revised as follows: ~~317-233-5967~~ **317-233-6865**.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Significant Permit Modification
to an existing Part 70 Operating Permit

Source Background and Description

Source Name:	**Bunge North America (East), Inc. F.K.A. Central Soya Company, Inc.**
Source Location:	**700 N. Rangeline Road, Morristown, Indiana 46161-9643**
County:	**Shelby**
SIC Code:	**2075**
Operation Permit No.:	**T145-9004-00035**
Operation Permit Issuance Date:	**June 29, 2004**
Permit Resolution No.:	**T145-19796-00035**
Permit Reviewer:	**James Farrell**

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Administrative Review Request from Bunge North America (East), Inc. relating to the operation of a soybean oil processing plant.

History

Bunge North America (East), Inc. (Bunge) filed a petition for administrative review of the Part 70 Operating Permit T145-9004-00035, issued on June 29, 2004, with the Office of Environmental Adjudication on August 5, 2004. The petition was filed as Cause No. 04-A-J-3398. On October 18, 2004 and March 2, 2006, IDEM, OAQ and the source met to discuss the issues of this appeal. This Significant Permit Modification resolves all issues relating to the appealed permit. The issues of the petition are addressed in this permit modification and are as follows. First Significant Source Modification T145-21206-00035, issued July 21, 2005, First Significant Permit Modification T145-21327-00035, issued August 3, 2005, First Minor Source Modification T145-21892-00035, issued December 6, 2005, Second Significant Permit Modification T145-21512-00035, issued January 12, 2006, Third Significant Permit Modification T145-21927-00035, issued February 3, 2006 and Third Administrative Amendment T145-22619-00035, issued March 27, 2006 have been incorporated as needed into this resolution. The Table of Contents and all condition numbers have been revised as needed. Language that has been deleted is indicated with strikeout and new or additional language is indicated with bold type.

Appeal Issues

Issue No. 1

Bunge objects to the descriptions, as listed in Condition A.2 and A.3, in their entirety and requests that IDEM, OAQ substitute the descriptions included with the petition because the current descriptions are inaccurate and confusing. Bunge also requests that all text after (d) in Condition A.3 be moved to Condition A.2.

During review of the appeal resolution, Bunge also requested that the emission units listed in Section D.7 be revised to be incorporated into Section D.1, and that the Grain Screening Operations, which exhaust to stack Pt #5, be revised to be removed from Section D.1 and be incorporated into Section D.8 of the Part 70 Operating Permit.

Response No. 1

The emission units listed in Section D.1, which are all part of the A plant, were incorporated from the Construction Permit 145-4300-00035, issued July 17, 1995. The emission units listed in Section D.7, which are part of both the A plant and B plant, were incorporated from the Minor Source Modification (MSM) T145-16802-00035, issued April 16, 2003. Additionally, although it had not yet been issued during the Public Notice review period of the Part 70 permit T145-9004-00035, Section D.8, which also has units in the A plant and B plant, was incorporated from the Significant Source Modification (SSM) T145-9618-00035, issued May 14, 2004.

Upon further review, IDEM, OAQ has determined that the units listed in Section D.7 should be revised as follows:

The units listed under (v), which exhaust to stack Pt #1, will be placed in Section D.1 and the units listed under (w), which exhaust to stack Pt #24, will be placed in Section D.8. All applicable requirements for the units as listed under (v) and (w) are in Sections D.1 and D.8, respectively. Additionally, all of the units listed in Section D.8 exhausting to stack PT #1 have been revised and listed in Section D.1. See Response No. 11 for the detailed justification and revisions to Sections D.1, D.7 and D.8.

IDEM, OAQ has determined that the Grain Screening Operations units listed in Section D.1 should be revised and incorporated into Section D.8. See Response No. 11 for the detailed justification and revisions to Sections D.1.

IDEM, OAQ will make the following changes to the unit descriptions based on information submitted by the petitioner and additional review. All descriptions listed in Condition A.3 after (d) will be moved to Condition A.2. The revisions to the respective Section D "Facility Descriptions" are found in Response No. 11. The revisions to Condition A.2 are 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:

NOTE: ...
A-PLANT ~~(EXISTING)~~
(a) Truck receiving operations, ~~constructed in 1996,~~ consisting of the following units, using the truck receiving/storage baghouse for control, and exhausting at stack Pt #1:
(1) …
(19) …
(20) One (1) conveyor extending to the surge bin leg; ~~and~~

(21) One (1) truck receiving/storage baghouse conveyor which transfers dust from the baghouse back to the **screening leg** ~~truck receiving/storage baghouse~~;

(22) Two (2) screens, identified as #4, with a total maximum throughput rate of 1,210 tons per hour;

(23) One (1) transfer system, consisting of two (2) conveyors, identified as #9a, with a maximum throughput rate of 1,150 tons per hour, transferring soybeans from the bulk storage elevator to the bulk storage silos;

(24) One (1) enclosed whole bean conveyor, identified as #16a, with a maximum throughput rate of 340 tons per hour, conveying beans from the surge bin leg to the whole bean surge silo (#28a);

(25) One (1) whole bean surge silo, identified as #28a, with a maximum storage capacity of 40,000 bushels;

(26) One (1) enclosed conveyor, identified as #17a, with a maximum throughput rate of 40 tons per hour, conveying the dust from the truck receiving/storage baghouse to the screening leg;

(27) One (1) new bean screening screw conveyor, identified as #1a, with a maximum throughput rate of 36 tons per hour, transferring soybeans from the screening system (#4) to the screening leg baghouse;

(28) Two (2) screening legs, identified as #7a;

(29) Two (2) transfer conveyors aspirated to truck receiving/storage baghouse, identified as #13a; and

B-PLANT

(30) Four (4) aspirators between conveyor from storage, identified as #16, and surge bin leg, identified as #27, aspirated to truck receiving/storage baghouse.

(b) …

~~(c) Grain screening operations, constructed in 1996, consisting of the following units, using the screenings baghouse, and exhausting at stack Pt #5:~~

~~(1) One (1) screening surge bin;~~
~~(2) One (1) conveyor extending to the de-stoner;~~
~~(3) One (1) de-stoner, using a cyclone and the screening baghouse for control;~~
~~(4) One (1) screening grinder;~~
~~(5) Four (4) totally enclosed conveyors in a series, extending to the hull refining screener;~~
~~(6) One (1) cyclone exhausting to the screening baghouse;~~
~~(7) One (1) surge bin elevator;~~
~~(8) One (1) whole bean surge bin;~~
~~(9) One (1) dryer feed elevator;~~
~~(10) One (1) totally enclosed dryer feed conveyor, transferring beans to the dryer feed elevator;~~
~~(11) Two (2) whole bean aspirators, in parallel;~~
~~(12) One (1) dryer discharge conveyor;~~
~~(13) One (1) day bin elevator;~~
~~(14) Two (2) day bins;~~
~~(15) Two (2) totally enclosed conveyors, arranged in a series;~~
~~(16) Two (2) conveyors extending from the dryer to the dryer discharge conveyor;~~
~~(17) One (1) milling elevator;~~
~~(18) One (1) product meal conveyor, identified as #1~~
~~(19) One (1) meal surge conveyor, identified as #2;~~
~~(20) Three (3) meal storage silos;~~
~~(21) One (1) load out leg conveyor;~~
~~(22) One (1) load out meal elevator; and~~
~~(23) One (1) meal transfer conveyor;~~

(**c**~~d~~) One (1) column dryer, constructed in 1996, exhausting at stack Pt #3;

(**d**~~e~~) …

(**q**~~f~~) …

(**r**~~s~~) One (1) totally enclosed drag conveyor, with a maximum rate of 1**8**~~5~~ tons per hour;

(**s**~~t~~) One (1) totally enclosed “L” path conveyor, with a maximum rate of 1**8**~~5~~ tons per hour; and

(**t**~~u~~) One (1) bucket leg, with a maximum rate of 1**8**~~5~~ tons per hour.

~~(v) The following emission units used in truck receiving operations, using the truck receiving/storage baghouse (identified as #17) for control, and exhausting through stack Pt #1:~~

~~(1) Two (2) screens, identified as #4, with a total maximum throughput rate of 1,210 tons per hour.~~

~~(2) One (1) transfer system, identified as #9a, with a maximum throughput rate of 1,150 tons per hour, transferring soybeans from the bulk storage elevator to the bulk storage silos.~~

~~(3) One (1) enclosed whole bean conveyor, identified as #16a, with a maximum throughput rate of 340 tons per hour, conveying beans from the surge bin leg to the whole bean surge silo (#28a).~~

~~(4) One (1) whole bean surge silo, identified as #28a, with a maximum storage capacity of 40,000 bushels.~~

~~(5) One (1) enclosed conveyor, identified as #17a, with a maximum throughput rate of 40 tons per hour, conveying the dust from the truck receiving/storage baghouse (#17) to the screening leg.~~

~~(6) One (1) new bean screening screw conveyor, identified as #1a, with a maximum throughput rate of 36 tons per hour, transferring soybeans from the screening system (#4) to the screening leg baghouse.~~

~~(w) The following emission units used in meal processing operations, using the meal grinding baghouse (identified as #39b) for control, and exhausting through stack Pt #24:~~

~~(1) One (1) enclosed meal screener feeder conveyor, identified as #74a, with a maximum throughput rate of 80 tons per hour, conveying the meal produced to the meal screen system.~~

~~(2) One (1) enclosed meal grinder feed conveyor, identified as #75a, with a maximum throughput rate of 80 tons per hour, conveying the meal from the meal screen system to meal feeders.~~

~~(3) One (1) meal grinding system, identified as #76, consisting of three (3) hammer mills, with a total maximum process rate of 80 tons per hour. This process rate is limited by the maximum throughput rate of the conveyors.~~

~~(4) Two (2) enclosed sized meal conveyors, identified as #78a, with a total maximum throughput rate of 80 tons per hour, conveying the ground meal from the meal grinding system (#76) to the meal handling system.~~

A-PLANT ~~(NEW EQUIPMENT)~~

(**u**~~aa~~) One (1) screening bin, identified as #10a.

~~(x) One (1) totally enclosed screening conveyor, identified as #1a.~~

~~(y) One (1) screening leg, identified as #7a, controlled by truck receiving/storage baghouse, and exhausting at stack Pt #1.~~

~~(z) One (1) conveyor to bulk storage feeding to bulk storage silos, identified as #9a, controlled by truck receiving/storage baghouse, and exhausting at stack Pt #1.~~

~~(ab) One (1) screening from storage conveyor after screening conveyor, identified as #13a.~~

(~~ac~~) ~~One (1) conveyor to surge bin leg, identified as #16a.~~

~~(ad) One (1) truck receiving/storage baghouse conveyor, identified as #17a, transferring the dust from the baghouse to the screenings leg directly aspirated to the truck receiving /storage baghouse.~~

(**v**~~ae~~) …

(**w**~~af~~) …

(**x**~~ag~~) ~~One (1)~~**Two (2)** hull refining screener**s**, identified as #48a~~, exhausting to hull refining cyclone~~.

(**y**~~ah~~) ~~One (1)~~**Four (4)** hull refining aspirator**s**, identified as #49a, exhausting to hull refining cyclone.

(**z**~~a~~**i**) …

(a**a**~~j~~) One (1) millfeed elevator, identified as #54a, controlled by ~~millfeed~~ **truck load out** baghouse, and exhausting at stack Pt #**12**~~16~~.

(a**b**~~k~~) …

~~(al) One (1) totally enclosed meal screen feeder conveyor, identified as #74a.~~

(ac) The following emission units used in the one (1) totally enclosed sized meal conveyor, identified as #79a, aspirated to meal sizing system baghouse for control, and exhausting through stack Pt #24:

(1) One (1) enclosed meal screener feeder conveyor, identified as #74a, with a maximum throughput rate of 80 tons per hour, conveying the meal produced to the meal screen system.

(2) One (1) enclosed meal grinder feed conveyor, identified as #75a, with a maximum throughput rate of 80 tons per hour, conveying the meal from the meal screen system to meal feeders.

(3) One (1) meal grinding system, identified as #76, consisting of three (3) hammer mills, with a total maximum process rate of 80 tons per hour. This process rate is limited by the maximum throughput rate of the conveyors.

(4) Two (2) enclosed sized meal conveyors, identified as #78a, with a total maximum throughput rate of 80 tons per hour, conveying the ground meal from the meal grinding system (#76) to the meal handling system.

~~(am) Two (2) totally enclosed sized meal conveyors, identified as #78a.~~

(ad) Grain screening operations, consisting of the following units, using the screenings baghouse, and exhausting at stack Pt #5:

(1) One (1) screening surge bin;

(2) One (1) conveyor extending to the de-stoner;

(3) One (1) de-stoner, using a cyclone and the screening baghouse for control;

(4) One (1) screening grinder;

(5) Four (4) totally enclosed conveyors in a series, extending to the hull refining screener;

(6) One (1) cyclone exhausting to the screening baghouse;

(7) One (1) surge bin elevator;

(8) One (1) whole bean surge bin;

(9) One (1) dryer feed elevator;

(10) One (1) totally enclosed dryer feed conveyor, transferring beans to the dryer feed elevator;

(11) Two (2) whole bean aspirators, in parallel;

(12) One (1) dryer discharge conveyor;

(13) One (1) day bin elevator;

(14) Two (2) day bins;

(15) Two (2) totally enclosed conveyors, arranged in a series;

(16) Two (2) conveyors extending from the dryer to the dryer discharge conveyor;

(17) One (1) milling elevator;

(18) One (1) product meal conveyor, identified as #1

(19) One (1) meal surge conveyor, identified as #2;

(20) Three (3) meal storage silos;

(21) One (1) load out leg conveyor;

(22) One (1) load out meal elevator;

(23) One (1) meal transfer conveyor; and

(24) One (1) screening transfer conveyor to screenings bucket elevator.

B-PLANT

~~(an) One (1) aspirator between conveyor from storage and surge bin leg, aspirated to truck receiving /storage baghouse, identified as #1b, and exhausting at stack Pt #1.~~

(a**e**~~o~~) …

(a**f**~~p~~) One (1) millfeed elevator~~ controlled by millfeed baghouse~~, identified as #3b, ~~and~~ exhausting at stack Pt #1**2**~~6~~.

(a**g**~~q~~) …
(a**h**~~r~~) …

(a**i**~~s~~) One (1) "B" plant whole bean surge bin #2, identified as #6b~~, controlled by a cyclone, and the screening baghouse, and exhausting at stack Pt #5~~.

(a**j**~~t~~) One (1) **"B" plant** hull **grinder** ~~refining cyclone~~, identified as #7b, discharging to the screening baghouse, and exhausting at stack Pt #5.

(a**k**~~u~~) One (1) "B" plant whole soybean feed bucket elevator, identified as #8b, controlled by ~~hull refining cyclone, and~~ the screening baghouse, and exhausting at stack Pt #5.

(a**l**~~v~~) One (1) "B" plant totally enclosed ~~soy~~bean **heater discharge** ~~feed~~ conveyor, identified as #9b.

(a**m**~~w~~) One (1) "B" plant whole bean aspiration, identified as #10b, controlled by the screening baghouse, and exhausting at stack Pt #**4**~~5~~.

(a**n**~~x~~) One (1) "B" plant bean weighing system, identified as #11b, controlled by the screening baghouse, and exhausting at stack Pt #**4**~~5~~.
(a**o**~~y~~) …
(a**p**~~z~~) ~~One (1)~~**Two (2)** "B" plant hull refining screener**s**, identified as #13b, controlled by ~~a hull refining cyclone, and~~ the screening baghouse, and exhausting at stack Pt #5.

(~~ba~~**q**) ~~One (1)~~**Two (2)** "B" plant aspirator, identified as #14b, controlled by a hull refining cyclone, ~~and the screening baghouse, and~~ exhausting at stack Pt #**18**~~5~~.

(**ar**~~bb~~) …

(**as**~~bc~~) One (1)~~ set of~~ "B" plant bean heater~~s~~, identified as #16b, controlled by a bean heater cyclone, and exhausting at stack Pt # **25**~~18A~~.

(**at**~~bd~~) One (1) totally enclosed "B" plant soybean conveyor (feeding the jet dryers), identified as #17b, controlled by a ~~bean heater~~ cyclone, and exhausting at stack Pt # 18~~A~~.

(**au**~~be~~) One (1) set of "B" plant jet dryers, identified as #18b, controlled by a dryer cyclone, and exhausting at stack Pt # 18~~A~~.

(**av**~~bf~~) ...
(**aw**~~bg~~) ...

(**ax**~~bh~~) ~~One (1)~~**Two (2**) "B" plant hulloosenator**s**, identified as #21b**.**~~, maximum total capacity of 127.5 tons per hour.~~

(**ay**~~gi~~) One (1) set of "B" plant cascade dryers **controlled by CCD cyclone and exhausted at stack Pt #18**, identified as #22b.

(**az**~~bj~~) …

(b**a**~~k~~) One (1) set of "B" plant cascade coolers, identified as #24b, controlled by a ccc cyclone, and exhausting at stack Pt # 18~~A~~.

(b**b**~~l~~) ~~Three (3)~~ **Two (2**) "B" plant totally enclosed after cascade coolers conveyors (feeding the flakers),identified as #25b, controlled by a **soybean flaking baghouse** ~~ccc cyclone~~, and exhausting at stack Pt #**19**~~18A~~.

(b**c**~~m~~) …
(b**d**~~n~~) …
(b**e**~~o~~) …

(b**f**~~p~~) ~~One (1)~~ **Two (2**) "B" plant totally enclosed flake conveyor**s** (feeding the seal conveyor), identified as #2**9**~~8~~b.

(b**g**~~q~~) One (1) "B" plant totally enclosed seal screw conveyor (feeding the slurry loader conveyor), identified as #**30**~~29~~b.

(b**h**~~r~~) One (1) "B" plant totally enclosed slurry loader conveyor (feeding the extractor), identified as #3**1**~~0~~b.

(b**i**~~s~~) One (1) "B" plant soybean oil extractor, identified as #3**2**~~1~~b, controlled by **one (1)**~~two (2)~~ mineral oil absor**ption** ~~bers~~ **system**, and exhausted at stack Pt # 23.

(b**j**~~t~~) A set of "B" plant evaporators, identified as #3**3**~~2~~b, controlled by two **(2)** mineral oil absor**ption** ~~bers~~ **systems**, and exhausted at stack Pt # 23.

(b**k**~~u~~) A set of "B" plant condensers*,* **hexane handling system** and water separator to separate hexane and water, identified as #3**4**~~3~~b, controlled by **one (1)**~~two~~ mineral oil absor**ption** ~~bers~~ **system**, and exhausted at stack Pt # 23.

(b**l**~~v~~) ~~Two (2)~~**One (1)** "B" plant mineral oil absor**ption** ~~bers~~ **system with a mineral oil to control hexane emissions**, identified as #3**5**~~4~~b, **and** exhaust**ed**~~ing~~ at stack Pt # 23.

(b**m**~~w~~) One (1) totally enclosed "B" plant spent flake conveyor, identified as #3**6**~~5~~b.

(b**n**~~x~~) Two (2) "B" plant meal dryers (#**1**~~3~~ & #**2**~~4~~), identified as #3**7**~~6~~b, controlled by one (1) dryer cyclone, and exhausting at stack Pt # 21.

(b**o**~~y~~) ~~Two (2)~~**One (1)** "B" plant meal cooler~~s~~ (#3**)** ~~& #4)~~, identified as #3**8**~~7~~b, controlled by one (1) cooler cyclone, and exhausting at stack Pt # 22.

(b**p**~~z~~) Four (4) "B" plant totally enclosed unground meal conveyors in series (meal screening system), identified as #3**9**~~8~~b.

(**bq**~~ca~~) One (1) meal **sizing**~~grinding~~ baghouse, identified as #**40**~~39~~b, exhausting at stack Pt #24.~~)~~

(~~e~~b**r**) …
(**bs**~~cc~~) …

(**bt**~~cd~~) One (1) totally enclosed dryer feed conveyor, identified as #4**3**~~2~~b, transferring beans to the dryer feed elevator, controlled by screening baghouse, and exhausting at stack Pt #5.

(**bu**~~ce~~) **One (1) whole bean surge silos discharge conveyors feeding "B" Milling bucket elevator, identified as #49b, controlled by screenings baghouse and exhausting at stack Pt #5.**~~One (1) day bin, identified as #43b.~~

(**bv**~~cf~~) **One (1) "B" milling bucket elevator, identified as #50b, controlled by the Milling aspiration baghouse and exhausting at stack Pt #4.**~~One (1) meal screen feeder conveyor, identified as #44b~~.

(**bw**~~cg~~) **One (1) bean heater feed bucket elevator, identified as #51b, controlled by the screenings baghouse and exhausting at stack Pt #5.**~~One (1) rail meal loadout conveyor, identified as #45b, controlled by "B" plant rail loadout baghouse. and exhausting at stack Pt #17.~~

(**bx**~~ch~~) **One (1) bean heater discharge bucket elevator, identified as #52b, controlled by the screenings baghouse and exhausting at stack Pt #5.**~~One (1) "B" plant rail loader, identified as #46b, controlled by "B" plant rail loadout baghouse and exhausting at stack Pt #17.~~

(**by**~~ci~~) **One (1) screenings transfer conveyors to the cracking rolls, identified as #53b, controlled by East jet dryer cyclone and exhausting at stack Pt #18.**
~~One (1) rail scale, identified as #47b.~~

(**bz**~~cj~~) **One (1) hull grinder controlled screenings baghouse and exhausting at stack Pt #5.**
~~One (1) "B" plant rail loadout baghouse, identified as #48b, exhausting at stack Pt #17.~~

(ca) One (1) "B" unground meal bucket elevator, identified as #55b, controlled by meal grinding baghouse at stack Pt #24.

(cb) One (1) "B" DT feed conveyor, identified as #56b.

(cc) One (1) "B" desolventizer toaster, identified as #57b, controlled by the mineral oil absorption system and exhausting at stack Pt #23.

(cd) One (1) "B" above ground hexane storage tank controlled by the mineral oil absorption system and exhausting at stack Pt #23.

Issue No. 2

Bunge objects to Condition B.8 and requests that the following revisions are made:

(a) Delete the phrase "or required by an applicable requirement" from the first sentence because Bunge objects to the requirement to certify compliance with any applicable requirement that is not specifically included in this Permit. If a certification is not required by the Part 70 Permit, it should not be a violation of the Permit to admit the certification.

(b) Insert the phrase "or its equivalent" after the word "Form." The attached certification form is not authorized by either the Clean Air Act or the Indiana Air Pollution Control Laws and Regulations. Therefore, it should not be a violation of this Permit to use an equivalent form. (See Condition C.20 and Section D Reporting Requirement Conditions that do provide for the use of equivalent forms.)

Response No. 2

IDEM, OAQ has no objections to the requested change for Issue No. 2. In addition to the requested changes, for Issue No. 2(b), a statement was added to B.8(b) in order to clarify that the certification form may cover more than one document that is submitted. The changes are as follows:

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, a~~ **A**ny application form, report, or compliance certification submitted **under this permit or 326 IAC 2-7** shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

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

(c) …

Issue No. 3

Bunge objects to Condition B.10(a)(1), relating to Preventive Maintenance Plans, and requests that IDEM, OAQ insert the phrase ", by job title," after the word "individual(s)" because identifying individuals by their given names is inappropriate in a permit that is in effect for five (5) years. Identifying individuals by their job title is a more appropriate way to reflect likely changes in personnel.

Response No. 3

IDEM, OAQ has no objection to the request as proposed. In addition to the appeal issue, IDEM, OAQ has determined that it is not necessary to include a condition requiring a preventive maintenance plan in each individual Section D of the permit. Rather, a general condition will be placed in Section B of the permit, which will apply to the entire source. Conditions D.1.5, D.2.4, D.3.7, D.4.3, D.6.3, and D.7.5 have been removed from the permit, and (a) in Condition B.10 has been revised. Also, IDEM, OAQ has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation.

Condition B.10 – Preventive Maintenance Plan is revised as follows:

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, t~~**T**he Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, ~~including the following information on each facility~~ **for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include**:

(1) Identification of the individual(s)**, by job title,** responsible for inspecting, maintaining, and repairing emission control devices;
(2) …
(3) …

(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 PMP**s** do~~es~~ not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) …

Preventive Maintenance Plan Conditions D.1.5, D.2.4, D.3.7, D.4.3, D.6.3 and D.7.5 have been removed as follows:

~~D.x.x 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 the applicable facilities and associated control devices.~~

All recordkeeping requirements relating to Preventive Maintenance Plans have been removed from the permit and the D Sections have been revised and renumbered as needed to incorporate these changes.

Issue No. 4

Bunge objects to Condition B.21- Inspection and Entry, and requests that IDEM, OAQ insert the phrase "at reasonable times" into subsections (b), (c) and (d). The Permit language as it currently stands is contrary to the applicable federal requirement, 40 C.F.R. §70.6(c)(2)(ii)-(iv), which includes the phrase "at reasonable times."

Response No. 4

The Inspection and Entry Condition contains the requirements of 326 IAC 2-7-6(2). No changes were made to this Condition as a result of this comment.

Issue No. 5

Bunge objects to Conditions D.7.8 and D.8.15 [Parametric Monitoring] and states the following:
'The pressure drop across the baghouse's range is inconsistent among the various Conditions in the Permit. Bunge has requested the normal range be "0.5 to 8.0 inches" (as set forth in D.1.8 and D.2.7) because there is no substantive difference in the baghouses that would require different ranges. Moreover, a consistent range is important for maintenance and record keeping. In addition, Bunge objects to the frequency of instrument calibration in these Conditions. Annual calibrations along with the "or at a frequency recommended by the manufacturer", are adequate frequencies.'

During this review, Bunge requested that the units in Section D.7 be incorporated into Section D.1.

Response No. 5

Condition D.7.8 was incorporated from the MSM T145-16802-00035 and Condition D.8.15 was incorporated from the SSM T145-9618-00035 into the Part 70 Operating Permit T145-9004-0035. Upon further review of the pressure drop ranges for the separate D Sections, IDEM, OAQ has determined that based upon the similarities between the units and operating processes, the pressure drop ranges should be consistent throughout the operating permit.

IDEM, OAQ has determined that the units controlled by the truck receiving/storage baghouse (#17) and the meal grinding baghouse (#39b) should be removed from Section D.7 and placed in Section D.1 and D.8, respectively. See Response No. 11 for the detailed justification and revisions to Sections D.1, D.7 and D.8.

On October 18, 2004, the petitioner withdrew the objection to the semi annual instrument calibration requirement of the Part 70 permit T145-9004-00035.

Condition D.2.7 and Condition D.8.15 shall be revised as follows:

D.2.**6**~~7~~ Parametric Monitoring

(a) …
(c) …

D.**7**~~8~~.1**7**~~5~~Parametric Monitoring

(a) **Alarms shall be operational on all cyclone high level indicators. If an alarm sounds, the Permittee shall take reasonable response steps. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.**

(b) The Permittee shall record the pressure drop across the bag houses used in conjunction with the associated processes, at least once per day when the associated processes are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of ~~1.~~0**.5** ~~and 6~~ **to 8**.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 or 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.

(c) 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~~.~~ **or at a frequency recommended by the manufacturer.**

~~(b) The Permittee shall take response actions anytime that there is an abnormal reading of pressure drop from baghouses.~~

Issue No. 6

Bunge objects to the requirements of the Baghouse Inspection Conditions.

Response No. 6

IDEM, OAQ has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections will be removed from the permit.

The Baghouse Inspections Conditions D.1.9, D.2.8, D.7.9 and D.8.16, were deleted in the Second SPM T145-21512-00035, issued January 12, 2006.

All recordkeeping requirements relating to Baghouse Inspections have been removed from the permit and the D Sections have been revised and renumbered as needed to incorporate these changes.

Issue No. 7

Bunge objects to Conditions D.1.10, D.2.9 and D.7.10 [Broken or Failed Bag Detection] and requests a change in the time-limit provided for initiation of response steps from eight (8) hours to twenty-four (24) hours, as found in paragraph (a).

Response No. 7

IDEM, OAQ has deleted Condition D.7.10 and revised and removed the within eight (8) business hours statement from paragraph (a) of the Broken or Failed Baghouse conditions. Therefore, the specific appeal request is no longer an issue. IDEM, OAQ has determined that for multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. However, a requirement has been added to the Particulate Control Conditions D.1.6, D.2.5, D.3.9, D.5.6, D.6.4 and D.8.10 requiring the Permittee to notify IDEM, OAQ if a broken bag is detected and the control device will not be repaired for more than ten (10) days. This notification allows IDEM, OAQ to take any appropriate actions if the emission unit will continue to operate for a long period of time while the control device is not operating in optimum condition. The revisions to the Broken or Failed Baghouse and Particulate Control conditions were incorporated from the Second Significant Permit Modification T145-21512-00035, issued January 12, 2006.

The Broken or Failed Bag Detection Conditions D.1.10, D.2.9 and D.8.17, now D.1.9, D.2.7 and D.7.18, which are the same in each section and the Particulate Conditions D.1.6, D.2.5, D.3.9, D.5.6, D.6.4 and D.8.10 are revised as follows:

D.x.x Broken or Failed Bag Detection

~~In the event that bag failure has been observed:~~
(a) ...
(b) …

Bag failure can be indicted by a significant drop in the baghouses 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.

Compliance Determination Requirements

D.1.~~5~~**6** Particulate Control [326 IAC 2-7-6(6)]

…

D.2.~~4~~**5** Particulate Control [326 IAC 2-7-6(6)]

…

D.3.~~8~~**9** Particulate **Control [326 IAC 2-7-6(6)]**

…

D.5.6 Particulate **Control [326 IAC 2-7-6(6)]**~~Matter (PM)~~

…

D.6.~~3~~**4** Particulate Control **[326 IAC 2-7-6(6)]**

…

D.**7**~~8~~.10Particulate Control [326 IAC 2-7-6(6)]

(a) In order to comply with Condition D.~~8~~**7**.5(a) and (b), the **following conditions apply:**

The baghouses and cyclones ~~for particulate matter control~~ shall be in operation ~~and control emissions from the associated facilities~~ at all times ~~when~~ **that** the processes are in operation.

(b) ...

Issue No. 8

Bunge objects to Conditions D.3.17 and D.6.5 (Cyclone Inspections), and requests that these Conditions should be revised to be consistent with (and have the same text) as Conditions D.2.10 and D.2.11 and D.8.18 and D.8.19, which call for annual cyclone inspections and cyclone failure detection, respectively. For Condition D.3.18, delete the reference to "bags" because this Condition pertains to cyclones.

Response No. 8

As addressed in Response No. 6, IDEM, OAQ has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit.

All Cyclone Inspections Conditions D.2.10, D.3.17, D.6.5, now D.6.7, and D.8.18 were deleted in the Second SPM T145-21512-00035, issued January 12, 2006. .

All recordkeeping requirements relating to Cyclone Inspections have been removed from the permit and the D Sections have been revised and renumbered as needed to incorporate these changes.

For Condition D.3.18, now D.3.17, the reference to bags will be removed. The revisions are as follows:

D.3.1**6**~~7~~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. **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 Provision).** Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit. ~~If operations continue after bag failure is observed and it will be 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.~~

Section D.6, as incorporated from the First Significant Source Modification (SSM) T145-21206-00035 and the First Significant Permit Modification (SPM) T145-21327-00035, revised Condition D.6.5 to D.6.7. Condition D.6.6, Cyclone Failure Detection, had erroneously been removed from the modifications. The Cyclone Failure Detection Condition is being retained in this modification to satisfy the appeal issue for consistency as requested by the petitioner.

D.6.6 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. 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). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

Issue No. 9

Bunge objects to Conditions D.3.19(d) and 6.7(a). Substitute the word "day" for "shift" to make these Conditions consistent with the monitoring frequency in Conditions D.3.15(a) and D.6.4, respectively.

Response No. 9

The Record Keeping Requirements of Condition D.6.7(a) were revised to "day" and became D.6.8(a) in SSM T145-21206-00035 and SPM T145-21327-00035. Condition D.6.8 is now D.6.7.

The Record Keeping Requirement of Condition D.3.19(d) was revised to "day" and became D.3.18(d) in SPM T145-21512-00035. Conditions D.3.19, now D.3.18, and D.6.7 shall be revised as follows:

D.3.1**7**~~8~~ Record Keeping Requirements

(a) …

(b) …

(c) To document compliance with Conditions D.3.6, **D.3.11,** D.3.12, **and** D.3.13, ~~and D.3.14,~~ and with 40 CFR Part 63, Subpart GGGG, the Permittee shall comply with the following:

(1) …

(d) To document compliance with Condition D.3.1**4**~~5~~, the Permittee shall maintain records of visible emission notations of the stack exhaust once per day.

(e) To document compliance with Condition D.3.1**5**~~7~~, the Permittee shall maintain records of the following:

(1) …

(3) …

(f) …

D.6.7 Record Keeping Requirements

(a) To document compliance with Condition D.6.**5**~~6~~, the Permittee shall maintain records of visible emission notations of the Pellet Cooling stack exhaust once per day.

(b) ...

Based on additional review, the Record Keeping Requirements of the Part 70 operating permit T145-9004-00035, as found in Sections D.1, D.2, and D.4 are revised as follows:

D.1.10 Record Keeping Requirements

(a) …

(b) ~~To document compliance with Condition D.1.7, the Permittee shall maintain records of once per day visible emission notations of the stack exhaust from Pt #3.~~

~~(c)~~ To document compliance with Condition D.1.7, the Permittee shall maintain records of once per day visible emission notations of the stack exhaust from Pt #1, Pt #2, **Pt #3,** and Pt #5.

(**c**~~d~~) To document compliance with Condition D.1.8, the Permittee shall maintain records of the ~~total~~ pressure drop across the baghouses.

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

D.2.**9**~~10~~ Record Keeping Requirements

(a) ...

(b) To document compliance with Condition D.2.**5**~~6~~, the Permittee shall maintain records of once per day visible emission notations of the stack exhaust from Pt #4, Pt. #6, Pt #11, Pt #12, and Pt #13.

(c) To document compliance with Condition D.2.**6**~~7~~, the Permittee shall maintain records of the ~~total~~ pressure drops across the baghouses. The Permittee shall also maintain records of any alarms that sound and the response steps taken.

(d) …

D.4.**5**~~6~~ Record Keeping Requirements

(a) ...

(b) To document compliance with Condition D.4.**4**~~5~~, the Permittee shall maintain records of visible emission notations of the boiler stack exhaust once per day.

(c) …

Response No. 14 addresses the Record Keeping Requirements of Section D.8.

Issue No. 10

Bunge states for Condition D.7.7, "the baghouse is misidentified. It should be Pt #1.".

Response No. 10

Based upon the determination that the truck receiving/storage baghouse, stack Pt #1, is already listed in and subject to the same requirements in Section D.1, and additional information submitted by the petitioner, Condition D.7.7(a) has been deleted. See Response No. 11 for the detailed justification and revisions to Section D.7.

Issue No. 11

Bunge objects to and requests that changes be made to Section D.8 Facility Description, in accordance with Issue No. 1.

Response No. 11

The "Facility Descriptions" of Section D.8 have been revised, as addressed in Response No. 1, to reflect the current equipment at this facility as submitted by the petitioner.

For the Part 70 permit, Section D.7 was incorporated from MSM T145-16802-00035, which was issued April 16, 2003 and Section D.8 was incorporated from SSM T145-9618-00035, which had not yet been issued. Both Sections were incorporated into the Part 70 permit in response to comments made during the Public Notice period requesting their inclusion.

The grain loadings and air flow rates for most of the baghouses and cyclones were revised by the SSM T145-9618-00035, issued May 14, 2004. Section D.1, in Condition D.1.3 (b), of the Part 70 operating permit listed the new information as revised by SSM T145-9618. Section D.7, Condition D.7.3, incorporated the previously issued language and listed limits based on the old grain loadings and air flow rates. Based upon further review, the baghouses in Section D.7, which were permitted based on the previous source information, should have been revised and listed in Sections D.1, for stack Pt #1 and D.8, for stack Pt #24. All grain loadings and air flow rates were removed from the Part 70 operating permit by SSM T145-21512, issued January 12, 2006.

IDEM, OAQ has determined that the units listed in Section D.7 should be moved to other D Sections. The units listed under (v), which exhaust to stack Pt #1, will be placed in Section D.1 and the units listed under (w), which exhaust to stack Pt #24, will be placed in Section D.8. All applicable requirements for the units as listed under (v) and (w) are present in Section D.1 and D.8, respectively.

Pursuant to SSM T145-9618-00035, issued May 14, 2004, testing was required for the Receiving Baghouses, exhausting to stacks Pt #1 and Pt #2 and Screening Baghouse, exhausting to stack Pt #5. This requirement is listed in Condition D.8.9 (a). This testing was conducted on February 14-15, 2005 and was determined to be in compliance with the permit limits. Testing language for these stack points will be inserted into Section D.1 for permit terms consistency.

All "A plant" units that exhaust to stack Pt #5 will be revised to be listed in Section D.8, now D.7. All New Source Performance Standards language relating to Subpart DD (Standards of Performance for Grain Elevators) applicable to bin #2 and the screening baghouse Pt #5 will be added to Section D.7. The Section will be renumbered and revised as needed with all changes reflected in this response to incorporate this Subpart. Please see Response No. 14 for the revisions to the Record Keeping Requirements of Section D.7.

Sections D.8 and D.9, their respective conditions, and all condition references will be revised as needed to reflect the revisions to Section D.7.

The revisions to Sections D.1, D.7 and D.8 are as follows:

Section D.7 will be stricken in its entirety.

~~SECTION D.7 FACILITY OPERATION CONDITIONS~~

~~Facility Description [326 IAC 2-7-5(15)]:~~

~~(v) The following emission units used in truck receiving operations, using the truck receiving/storage baghouse (identified as #17) for control, and exhausting through stack Pt #1:~~
~~(1) Two (2) screens, identified as #4, with a total maximum throughput rate of 1,210 tons per hour.~~
~~(2) One (1) transfer system, identified as #9a, with a maximum throughput rate of 1,150 tons per hour, transferring soybeans from the bulk storage elevator to the bulk storage silos.~~
~~(3) One (1) enclosed whole bean conveyor, identified as #16a, with a maximum throughput rate of 340 tons per hour, conveying beans from the surge bin leg to the whole bean surge silo (#28a).~~
~~(4) One (1) whole bean surge silo, identified as #28a, with a maximum storage capacity of 40,000 bushels.~~
~~(5) One (1) enclosed conveyor, identified as #17a, with a maximum throughput rate of 40 tons per hour, conveying the dust from the truck receiving/storage baghouse (#17) to the screening leg.~~
~~(6) One (1) new bean screening screw conveyor, identified as #1a, with a maximum throughput rate of 36 tons per hour, transferring soybeans from the screening system (#4) to the screening leg baghouse.~~
~~(w) The following emission units used in meal processing operations, using the meal grinding baghouse (identified as #39b) for control, and exhausting through stack Pt #24:~~
~~(1) One (1) enclosed meal screener feeder conveyor, identified as #74a, with a maximum throughput rate of 80 tons per hour, conveying the meal produced to the meal screen system.~~
~~(2) One (1) enclosed meal grinder feed conveyor, identified as #75a, with a maximum throughput rate of 80 tons per hour, conveying the meal from the meal screen system to meal feeders.~~
~~(3) One (1) meal grinding system, identified as #76, consisting of three (3) hammer mills, with a total maximum process rate of 80 tons per hour. This process rate is limited by the maximum throughput rate of the conveyors.~~
~~(4) Two (2) enclosed sized meal conveyors, identified as #78a, with a total maximum throughput rate of 80 tons per hour, conveying the ground meal from the meal grinding system (#76) to the meal handling system.~~

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

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

~~D.7.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart 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 screens, associated grain conveying equipment, and the truck receiving/storage baghouse (#17), except when otherwise specified in 40 CFR Part 60, Subpart DD.~~

~~D.7.2 New Source Performance Standards(NSPS) Grain Elevators [326 IAC 12] [40 CFR Part 60, Subpart DD]~~

~~Pursuant to 40 CFR Part 60, Subpart DD (Standards of Performance for Grain Elevators), the emissions from the screens, associated grain conveying equipment, and the truck receiving/storage baghouse (#17) shall not exceed the following limits:~~

~~(a) 0.01 gr/dscf of PM; and~~
~~(b) 0 percent opacity.~~

~~D.7.3 Prevention of Significant Deterioration [326 IAC 2-2]~~

~~(a) Pursuant to 326 IAC 2-2 and CP #145-4300-00035, issued July 17, 1995, the PM and PM10 emissions from the truck receiving storage baghouse (Baghouse #17) each shall not exceed 0.01 gr/dscf. Based on the design flow rate of 38,500 cfm of the baghouse #17, this is equivalent to 3.30 lbs/hr and 14.5 tons/yr of PM/PM10 emissions.~~

~~(b) Pursuant to 326 IAC 2-2, the PM and PM10 emissions from the meal grinding baghouse (Baghouse #39b) each shall not exceed 0.01 gr/dscf. Based on the design flow rate of 38,400 cfm of the baghouse #39b, this is equivalent to 3.29 lbs/hr and 14.4 tons/yr of PM/PM10 emissions.~~

~~Therefore, the PM and PM10 emissions from this modification are each limited to less than 250 tons/yr and the requirements of 326 IAC 2-2 (PSD) are not applicable.~~

~~D.7.4 Particulate [326 IAC 6-3-2]~~

~~Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emissions from each of the conveyor and facility of the meal grinding operation shall not exceed 49.1 pounds per hour when operating at a process weight rate of 80 tons per hour.~~

~~The pounds per hour limitation was calculated with the following equation:~~

~~Interpolation 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~~

~~Compliance Determination Requirements~~

~~D.7.6 PM and PM10 Control[326 IAC 2-7-6(6)]~~

~~(a)In order to comply with Conditions D.7.2, D.7.3, and D.7.4, the truck receiving/storage baghouse (#17) and the meal grinding baghouse (#39b) for particulate control shall be in operation and control emissions from the truck receiving and meal processing operations at all times that the truck receiving and meal processing units are in operation.~~

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

~~D.7.7 Visible Emissions Notations~~

~~(a) Visible emission notations of stack exhausts from the truck receiving/storage baghouse (#17) and the meal grinding baghouse (#39b) 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) The Compliance Response Plan 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 - Compliance Response Plan - Preparation, Implementation, Records, and Reports shall be considered a deviation from this permit.

D.7.8 Parametric Monitoring

(a) The Permittee shall record the pressure drop across the truck receiving/storage baghouse (#17) and the meal grinding baghouse (#39b), at least once per day when the listed processes are in operation. When for any one reading, the pressure drop across the baghouses is outside the normal range of 0.5 to 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preperation, Implementation, Records, and Reports. 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 - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

D.7.10 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section C - Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in according with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(b) For single compartment baghouses, failed units and the associated process shall be shut down immediately until the failed units have 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).

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

~~D.7.11 Record Keeping Requirements~~

~~(a) To document compliance with Condition D.7.7, the Permittee shall maintain once per day records of visible emission notations of the baghouse stack exhausts.~~

~~(b) To document compliance with Condition D.7.8, the Permittee shall maintain once per day records of the total pressure drop across the baghouses.~~

~~(c) To document compliance with Condition D.7.9, the Permittee shall maintain records of the results of the inspections required under Condition D.7.9.~~

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

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SECTION D.~~8~~**7** FACILITY CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:
A-PLANT ~~(New Equipment)~~

(**u**~~aa~~) One (1) screening bin, identified as #10a.

~~(x) One (1) totally enclosed screening conveyor, identified as #1a.~~
~~(y) One (1) screening leg, identified as #7a, controlled by truck receiving/storage baghouse, and exhausting at stack Pt #1.~~
~~(z) One (1) conveyor to bulk storage feeding to bulk storage silos, identified as #9a, controlled by truck receiving/storage baghouse, and exhausting at stack Pt #1.~~
~~(ab) One (1) screening from storage conveyor after screening conveyor, identified as #13a.~~
~~(ac) One (1) conveyor to surge bin leg, identified as #16a.~~
~~(ad) One (1) truck receiving/storage baghouse conveyor, identified as #17a, transferring the dust from the baghouse to the screenings leg directly aspirated to the truck receiving /storage baghouse.~~

(**v**~~ae~~) ...
(**w**~~af~~) ...

(x~~ag~~**)** ~~One (1)~~**Two (2)** hull refining screener**s**, identified as #48a~~, exhausting to hull refining cyclone~~.

(**y**~~ah~~) ~~One (1)~~ **Four (4)** hull refining aspirator**s**, identified as #49a, exhausting to hull refining cyclone.

(**z**~~ai~~) ...

(a**a**~~j~~) One (1) millfeed elevator, identified as #54a, controlled by ~~millfeed~~ **truck load out** baghouse, and exhausting at stack Pt #**12**~~16~~.

(a**b**~~k~~) ...
~~(al) One (1) totally enclosed meal screen feeder conveyor, identified as #74a.~~
(**ac**) **The following emission units used in the one (1) totally enclosed sized meal conveyor, identified as #79a, aspirated to meal sizing system baghouse for control, and exhausting through stack Pt #24:**

(1) One (1) enclosed meal screener feeder conveyor, identified as #74a, with a maximum throughput rate of 80 tons per hour, conveying the meal produced to the meal screen system.

(2) One (1) enclosed meal grinder feed conveyor, identified as #75a, with a maximum throughput rate of 80 tons per hour, conveying the meal from the meal screen system to meal feeders.

(3) One (1) meal grinding system, identified as #76, consisting of three (3) hammer mills, with a total maximum process rate of 80 tons per hour. This process rate is limited by the maximum throughput rate of the conveyors.

(4) Two (2) enclosed sized meal conveyors, identified as #78a, with a total maximum throughput rate of 80 tons per hour, conveying the ground meal from the meal grinding system (#76) to the meal handling system.

~~(am) Two (2) totally enclosed sized meal conveyors, identified as #78a.~~

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

SECTION D.~~8~~**7** FACILITY CONDITIONS Continued...

Facility Description [326 IAC 2-7-5(15)]:

(ad) Grain screening operations, consisting of the following units, using the screenings baghouse, and exhausting at stack Pt #5:

(1) One (1) screening surge bin;

(2) One (1) conveyor extending to the de-stoner;

(3) One (1) de-stoner, using a cyclone and the screening baghouse for control;

(4) One (1) screening grinder;

(5) Four (4) totally enclosed conveyors in a series, extending to the hull refining screener;

(6) One (1) cyclone exhausting to the screening baghouse;

(7) One (1) surge bin elevator;

(8) One (1) whole bean surge bin;

(9) One (1) dryer feed elevator;

(10) One (1) totally enclosed dryer feed conveyor, transferring beans to the dryer feed elevator;

(11) Two (2) whole bean aspirators, in parallel;

(12) One (1) dryer discharge conveyor;

(13) One (1) day bin elevator;

(14) Two (2) day bins;

(15) Two (2) totally enclosed conveyors, arranged in a series;

(16) Two (2) conveyors extending from the dryer to the dryer discharge conveyor;

(17) One (1) milling elevator;

(18) One (1) product meal conveyor, identified as #1

(19) One (1) meal surge conveyor, identified as #2;

(20) Three (3) meal storage silos;

(21) One (1) load out leg conveyor;

(22) One (1) load out meal elevator;

(23) One (1) meal transfer conveyor, and

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

SECTION D.~~8~~**7** FACILITY CONDITIONS Continued...

Facility Description [326 IAC 2-7-5(15)]:

(24) One (1) screening transfer conveyor to screenings bucket elevator.

B-PLANT

~~(an) One (1) aspirator between conveyor from storage and surge bin leg, aspirated to truck receiving /storage baghouse, identified as #1b, and exhausting at stack Pt #1.~~

(a**e**~~e~~) …

(a**f**~~p~~) One (1) millfeed elevator ~~controlled by millfeed baghouse~~, identified as #3b, ~~and~~ exhausting at stack Pt #**12**~~16~~.

(a**g**~~q~~) …

(a**h**~~r~~) …

(a**i**~~s~~) One (1) "B" plant whole bean surge bin #2, identified as #6b~~, controlled by a cyclone, and the screening baghouse, and exhausting at stack Pt #5~~.

(a**j**~~t~~) One (1) **"B" plant** hull **grinder** ~~refining cyclone~~, identified as #7b, discharging to the screening baghouse, and exhausting at stack Pt #5.

(a**k**~~u~~) One (1) "B" plant whole soybean feed bucket elevator, identified as #8b, controlled by ~~hull refining cyclone, and~~ the screening baghouse, and exhausting at stack Pt #5.

(a**l**~~v~~) One (1) "B" plant totally enclosed ~~soy~~bean **heater discharge** ~~feed~~ conveyor, identified as #9b.

(a**m**~~w~~) One (1) "B" plant whole bean aspiration, identified as #10b, controlled by the screening baghouse, and exhausting at stack Pt #**4**~~5~~.

(a**n**~~x~~) One (1) "B" plant bean weighing system, identified as #11b, controlled by the screening baghouse, and exhausting at stack Pt #**4**~~5~~.

(a**o**~~y~~) …

(a**p**~~z~~) ~~One (1)~~**Two (2)** "B" plant hull refining screener**s**, identified as #13b, controlled by ~~a hull refining cyclone, and~~ the screening baghouse, and exhausting at stack Pt #5.

(~~ba~~**q**) ~~One (1)~~**Two (2)** "B" plant aspirator, identified as #14b, controlled by a hull refining cyclone, ~~and the screening baghouse, and~~ exhausting at stack Pt #**18**~~5~~.

(**ar**~~bb~~) …

(**as**~~bc~~) One (1) ~~set of~~ "B" plant bean heater~~s~~, identified as #16b, controlled by a bean heater cyclone, and exhausting at stack Pt # **25**~~18A~~.

(**at**~~bd~~) One (1) totally enclosed "B" plant soybean conveyor (feeding the jet dryers), identified as #17b, controlled by a ~~bean heater~~ cyclone, and exhausting at stack Pt # 18~~A~~.

(**au**~~be~~) One (1) set of "B" plant jet dryers, identified as #18b, controlled by a dryer cyclone, and exhausting at stack Pt # 18~~A~~.

(**av**~~bf~~) ...

(**aw**~~bg~~) ...

(**ax**~~bh~~) ~~One (1)~~**Two (2**) "B" plant hulloosenator**s**, identified as #21b**.**~~, maximum total capacity of 127.5 tons per hour.~~

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

SECTION D.~~8~~**7** FACILITY CONDITIONS Continued...

Facility Description [326 IAC 2-7-5(15)]:

(**ay**~~gi~~) One (1) set of "B" plant cascade dryers **controlled by CCD cyclone and exhausted at stack Pt #18**, identified as #22b.
(**az**~~bj~~) …
(b**a**~~k~~) One (1) set of "B" plant cascade coolers, identified as #24b, controlled by a ccc cyclone, and exhausting at stack Pt # 18~~A~~.

(b**b**~~l~~) ~~Three (3)~~ **Two (2**) "B" plant totally enclosed after cascade coolers conveyors (feeding the flakers),identified as #25b, controlled by a **soybean flaking baghouse** ~~ccc cyclone~~, and exhausting at stack Pt #**19**~~18A~~.
(b**c**~~m~~) …
(b**d**~~n~~) …
(b**e**~~o~~) …
(b**f**~~p~~) ~~One (1)~~ **Two (2**) "B" plant totally enclosed flake conveyor**s** (feeding the seal conveyor), identified as #2**9**~~8~~b.

(b**g**~~q~~) One (1) "B" plant totally enclosed seal screw conveyor (feeding the slurry loader conveyor), identified as #**30**~~29~~b.

(b**h**~~r~~) One (1) "B" plant totally enclosed slurry loader conveyor (feeding the extractor), identified as #3**1**~~0~~b.

(b~~i~~**s**) One (1) "B" plant soybean oil extractor, identified as #3**2**~~1~~b, controlled by **one (1)**~~two (2)~~ mineral oil absor**ption** ~~bers~~ **system**, and exhausted at stack Pt # 23.

(b**j**~~t~~) A set of "B" plant evaporators, identified as #3**3**~~2~~b, controlled by two **(2)** mineral oil absor**ption** ~~bers~~ **systems**, and exhausted at stack Pt # 23.

(b**k**~~u~~) A set of "B" plant condensers*,* **hexane handling system** and water separator to separate hexane and water, identified as #3**4**~~3~~b, controlled by **one (1)**~~two~~ mineral oil absor**ption** ~~bers~~ **system**, and exhausted at stack Pt # 23.

(b**l**~~v~~) ~~Two (2)~~**One (1)** "B" plant mineral oil absor**ption** ~~bers~~ **system with a mineral oil to control hexane emissions**, identified as #3**5**~~4~~b, **and** exhaust**ed**~~ing~~ at stack Pt # 23.

(b**m**~~w~~) One (1) totally enclosed "B" plant spent flake conveyor, identified as #3**6**~~5~~b.

(b**n**~~x~~) Two (2) "B" plant meal dryers (#**1**~~3~~ & #**2**~~4~~), identified as #3**7**~~6~~b, controlled by one (1) dryer cyclone, and exhausting at stack Pt # 21.

(b**o**~~y~~) ~~Two (2)~~**One (1)** "B" plant meal cooler~~s~~ (#3**)** ~~& #4)~~, identified as #3**8**~~7~~b, controlled by one (1) cooler cyclone, and exhausting at stack Pt # 22.

(b**p**~~z~~) Four (4) "B" plant totally enclosed unground meal conveyors in series (meal screening system), identified as #3**9**~~8~~b.

(**bq**~~ca~~) One (1) meal **sizing**~~grinding~~ baghouse, identified as #**40**~~39~~b, exhausting at stack Pt #24.~~)~~

(~~c~~b**r**) …
(**bs**~~cc~~) …

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

SECTION D.~~8~~**7** FACILITY CONDITIONS Continued...

Facility Description [326 IAC 2-7-5(15)]:

(**bt**~~cd~~) One (1) totally enclosed dryer feed conveyor, identified as #4**3**~~2~~b, transferring beans to the dryer feed elevator, controlled by screening baghouse, and exhausting at stack Pt #5.

(**bu**~~ce~~) **One (1) whole bean surge silos discharge conveyors feeding "B" Milling bucket elevator, identified as #49b, controlled by screenings baghouse and exhausting at stack Pt #5.**~~One (1) day bin, identified as #43b.~~

(**bv**~~cf~~) **One (1) "B" milling bucket elevator, identified as #50b, controlled by the Milling aspiration baghouse and exhausting at stack Pt #4.**~~One (1) meal screen feeder conveyor, identified as #44b~~.

(**bw**~~cg~~) **One (1) bean heater feed bucket elevator, identified as #51b, controlled by the screenings baghouse and exhausting at stack Pt #5.**~~One (1) rail meal loadout conveyor, identified as #45b, controlled by "B" plant rail loadout baghouse. and exhausting at stack Pt #17.~~

(**bx**~~ch~~) **One (1) bean heater discharge bucket elevator, identified as #52b, controlled by the screenings baghouse and exhausting at stack Pt #5.**~~One (1) "B" plant rail loader, identified as #46b, controlled by "B" plant rail loadout baghouse and exhausting at stack Pt #17.~~

(**by**~~ci~~) **One (1) screenings transfer conveyors to the cracking rolls, identified as #53b, controlled by East jet dryer cyclone and exhausting at stack Pt #18.**~~One (1) rail scale, identified as #47b.~~

(**bz**~~cj~~) **One (1) hull grinder controlled screenings baghouse and exhausting at stack Pt #5.** ~~One (1) "B" plant rail loadout baghouse, identified as #48b, exhausting at stack Pt #17.~~

(ca) One (1) "B" unground meal bucket elevator, identified as #55b, controlled by meal grinding baghouse at stack Pt #24.

(cb) One (1) "B" DT feed conveyor, identified as #56b.

(cc) One (1) "B" desolventizer toaster, identified as #57b, controlled by the mineral oil absorption system and exhausting at stack Pt #23.

(cd) One (1) "B" above ground hexane storage tank controlled by the mineral oil absorption system and exhausting at stack Pt #23.

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

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

D.~~7~~**8**.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]

…

D.~~7~~**8**.2 New Source Performance Standard (NSPS) [326 IAC 12] [40 CFR 60, Subpart Db]

…

D.~~7~~**8**.3 General Provisions Relating to NESHAP [326 IAC 20-1] [40 CFR 63, Subpart A]

…

D.~~7~~**8**.4 Solvent Extraction for Vegetable Oil Production NESHAP [326 IAC 20] [40 CFR Part 63, Subpart GGGG]

…

D.7.5 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart 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 units described in Condition D.7.6 except when otherwise specified in 40 CFR Part 60, Subpart DD.

D.7.6 New Source Performance Standards(NSPS) Grain Elevators [326 IAC 12] [40 CFR Part 60, Subpart DD]

Pursuant to 40 CFR Part 60, Subpart DD (Standards of Performance for Grain Elevators), the PM emissions from bin #2 and the screenings baghouse which exhaust through Pt #5 shall not exceed 0.01 gr/dscf and the gasses discharged shall not exceed 0 percent opacity. Additionally, fugitive emissions from the truck unloading station and rail car unloading station shall not exceed 5 percent opacity while fugitive emissions from the grain handling station shall not exceed 0 percent opacity.

D.~~8~~**7**.**7**~~5~~ PSD Minor Limit [326 IAC 2-2]

(a) ...

(b) The following facilities' PM and PM-10 emissions rates shall be limited as follows:

Process	Baghouse/ Cyclone	PM Limit (lb/hr)	PM-10 Limit (Filterable) (lb/hr)
Screening Baghouse	**Baghouse Pt #5**	**1.52**	**1.52**
Truck unloading #1 and #2 fugitives		…	…
Boiler No. 2	…	…	…

(c) ...

(e) ...

D.~~8~~**7**.**8**~~6~~ Particulate Emission Limitations [326 IAC 6-3-2]

…

D.~~8~~**7**.**9**~~7~~ Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

…

D.~~8~~**7**.**10**~~8~~ Best Available Control Technology (BACT) [326 IAC 8-1-6]

…

Compliance Determination Requirements

D.~~8~~**7**.**11**~~9~~ Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11], [326 IAC 2-2], and [326 IAC 3]

(a) Pursuant to SSM 145-9618-00035, 40 CFR 60, subpart Db and 326 IAC 2-2, compliance tests, tests for PM and PM-10, and opacity observations shall be performed for the affected facilities, as shown below, to comply with Conditions D.~~8~~**7**.2 and D.~~8~~**7**.**7**~~5~~(a) and (b) within 60 days after achieving maximum production rate, but no later than 180 days after initial start up. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C- Performance Testing.

Facilities	Pollutant/Opacity
~~Receiving baghouses (PT # 01 & 02)~~	~~PM/PM-10/Opacity~~
Screening baghouse (PT # 05)	PM/PM-10/Opacity
Boiler No. 2	Opacity/NOx

(b) …

(c) Pursuant to 326 IAC 3 (Construction and Operating Permit Requirements), the Permittee shall develop a representative stack testing plan which identifies the method in which emissions from the following sources shall be evaluated to satisfy the Operation Condition No. D.7.**7**~~5~~(a), and (b), within 18 months of startup. The facilities listed in (a) above may be proposed as representative facilities.

(d) In order to demonstrate compliance with Condition D.7.**7**~~5~~(e), no later than 180 days from the commencement of vegetable oil combustion, the Permittee shall conduct performance tests for PM_{10} on Boiler No. 2 during vegetable oil combustion, and furnish the Commissioner a written report of the results of such performance tests. Testing shall be conducted in accordance with the Section C – Performance Testing.

(e) …
(f) …

D.~~8~~**7**.1**2**~~0~~Particulate Control [326 IAC 2-7-6(6)]

(a) In order to comply with Condition D.7.**7**~~5~~(a) and (b), the following conditions apply:

The baghouses and cyclones shall be in operation at all times that the processes are in operation.

(b) …

D.~~8~~**7**.1**3**~~1~~Volatile Organic Compounds (VOC)

…

D.~~8~~**7**.1**4**~~2~~Opacity [326 IAC 12] [40 CFR 60.48]

…

D.~~8~~**7**.1**5**~~3~~Nitrogen Oxides Emissions (NOx) [326 IAC 12] [40 CFR 60.48]

…

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

D.~~8~~**7**.1**6**~~4~~Visible Emissions Notations

…

D.~~8~~**7**.1**7**~~5~~Parametric Monitoring

…

D.~~8~~**7**.1**8**~~6~~Broken or Failed Bag Detection

…

D.~~8~~**7**.1**9**~~7~~Cyclone Failure Detection

…

D.~~8~~**7**.**20**~~18~~VOC Monitoring

In order to demonstrate compliance with Conditions D.7.4 and D.7.**10**~~8~~, the following monitoring requirements apply:

(a) …
(f) …

D.~~8~~**7**.**21**~~19~~Opacity Monitoring [326 IAC 12] [40 CFR 60, Subpart Db]

…

D.~~8~~**7**.2~~0~~**2** Nitrogen Oxides (NOx) Monitoring [326 IAC 12] [40 CFR 60, Subpart Db]

…

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

D.~~8~~**7**.2~~1~~**3** Record Keeping Requirements

…

D.~~8~~**7**.2~~2~~**4** Reporting Requirements

(a) A quarterly summary of the information to meet the condition D.7.~~5~~**7** (a) and (c) 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).

(b) …
(g) …

Section D.1 Facility Descriptions and Conditions will be revised as follows:

(This space intentionally left blank)

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

A-PLANT

(a) Truck receiving operations, ~~constructed in 1996,~~ consisting of the following units, using the truck receiving/storage baghouse for control, and exhausting at stack Pt #1:

(1) …

(19) …

(20) One (1) conveyor extending to the surge bin leg; ~~and~~

(21) One (1) truck receiving/storage baghouse conveyor which transfers dust from the baghouse back to the **screening leg**~~truck receiving/storage baghouse~~;

(22) Two (2) screens, identified as #4, with a total maximum throughput rate of 1,210 tons per hour;

(23) One (1) transfer system, consisting of two (2) conveyors, identified as #9a, with a maximum throughput rate of 1,150 tons per hour, transferring soybeans from the bulk storage elevator to the bulk storage silos;

(24) One (1) enclosed whole bean conveyor, identified as #16a, with a maximum throughput rate of 340 tons per hour, conveying beans from the surge bin leg to the whole bean surge silo (#28a);

(25) One (1) whole bean surge silo, identified as #28a, with a maximum storage capacity of 40,000 bushels;

(26) One (1) enclosed conveyor, identified as #17a, with a maximum throughput rate of 40 tons per hour, conveying the dust from the truck receiving/storage baghouse (#17) to the screening leg;

(27) One (1) new bean screening screw conveyor, identified as #1a, with a maximum throughput rate of 36 tons per hour, transferring soybeans from the screening system (#4) to the screening leg baghouse;

(28) Two (2) screening legs, identified as #7a;

(29) Two (2) transfer conveyors aspirated to truck receiving/storage baghouse, identified as #13a; and

B-PLANT

(30) Four (4) aspirators between conveyor from storage, identified as #16, and surge bin leg, identified as #27, aspirated to truck receiving/storage baghouse.

(b) …

~~(c) Grain screening operations, constructed in 1996, consisting of the following units, using the screenings baghouse, and exhausting at stack Pt #5:~~

~~(1) One (1) screening surge bin;~~

~~(2) One (1) conveyor extending to the de-stoner;~~

~~(3) One (1) de-stoner, using a cyclone and the screening baghouse for control;~~

~~(4) One (1) screening grinder;~~

~~(5) Four (4) totally enclosed conveyors in a series, extending to the hull refining screener;~~

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

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

~~(6) One (1) cyclone exhausting to the screening baghouse;~~
~~(7) One (1) surge bin elevator;~~
~~(8) One (1) whole bean surge bin;~~
~~(9) One (1) dryer feed elevator;~~
~~(10) One (1) totally enclosed dryer feed conveyor, transferring beans to the dryer feed elevator;~~
~~(11) Two (2) whole bean aspirators, in parallel;~~
~~(12) One (1) dryer discharge conveyor;~~
~~(13) One (1) day bin elevator;~~
~~(14) Two (2) day bins;~~
~~(15) Two (2) totally enclosed conveyors, arranged in a series;~~
~~(16) Two (2) conveyors extending from the dryer to the dryer discharge conveyor;~~
~~(17) One (1) milling elevator;~~
~~(18) One (1) product meal conveyor, identified as #1~~
~~(19) One (1) meal surge conveyor, identified as #2;~~
~~(20) Three (3) meal storage silos;~~
~~(21) One (1) load out leg conveyor;~~
~~(22) One (1) load out meal elevator; and~~
~~(23) One (1) meal transfer conveyor;~~

(**c**~~d~~) One (1) column dryer, constructed in 1996, exhausting at stack Pt #3;

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

D.1.2 New Source Performance Standards(NSPS) Grain Elevators [326 IAC 12] [40 CFR Part 60, Subpart DD]

Pursuant to 40 CFR Part 60, Subpart DD (Standards of Performance for Grain Elevators), the PM emissions from the truck receiving/storage baghouse~~,~~ **and the** rail receiving baghouse, ~~and screenings baghouse~~ which exhaust through Pt #1~~,~~ **and** #2, ~~and #5,~~ respectively, shall not exceed 0.01 gr/dscf and the gasses discharged shall not exceed 0 percent opacity. Additionally, fugitive emissions from the truck unloading station and rail car unloading station shall not exceed 5 percent opacity while fugitive emissions from the grain handling station shall not exceed 0 percent opacity.

D.1.3 PSD Minor Limit [326 IAC 2-2]

(a) ~~Pursuant to CP145-4300-00035, issued July 17, 1995, t~~**T**he soybeans processed by the "A" plant, on an "as received" basis, shall be limited to less than 828,837 tons per twelve (12) consecutive month period (equivalent to an oil extraction process throughput of 803,000 tons per twelve (12) consecutive month period) with compliance determined at the end of each month. Thus, PM and PM10 emissions are **less than** ~~prevented from being greater than~~ 250 tons per year and 326 IAC 2-2 (Prevention of Significant Deterioration) ~~and 40 CFR 52.2 are~~ **is** not applicable. This is the same limit as in Conditions D.2.1(a) and D.3.2(a).

(b) Pursuant to ~~CP145-4300-00035~~**SSM 145-9618-00035**, issued ~~July 17, 1995~~**May 14, 2004**, the Permittee shall be limited to the following PM emissions:

Process	Baghouse/ Cyclone	PM Limit (lb/hr)
Grain receiving system, ..	Pt #1	2.14
Rail unloading	Pt #2	0.141
~~Screening baghouse~~	~~Pt #5~~	~~1.52~~

Compliance Determination Requirements

D.1.5 Particulate Control [326 IAC 2-7-6(6)]

Pursuant to CP-145-4300-00035, issued July 17, 1995 and in order to demonstrate compliance with Conditions D.1.2, D.1.3, and D.1.4, the following requirements apply:

(a) The baghouses for truck receiving/storage~~,~~ **and** rail car receiving/storage~~, and screening~~ shall be in operation at all times those facilities are in operation.

(b) …
(d) …

D.1.6 Testing Requirements[326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 3]

(a) Pursuant to SSM 145-9618-00035, the permittee shall perform PM and PM-10 testing on or before February 15, 2010 for the affected facilities, as shown below. PM-10 includes filterable and condensible PM-10. Testing shall be conducted in accordance with Section C- Performance Testing. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.

Facilities	Pollutant/Opacity
Receiving baghouses (PT # 01 & 02)	**PM/PM-10/Opacity**

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

D.1.7 Visible Emissions Notations

~~(a) Once per day visible emission notations of Pt #3 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.~~

(**a~~b~~**) Once per day visible emission notations of Pt #1, Pt #2~~,~~ **and Pt #3** ~~and Pt #5~~ stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(**b~~c~~**) ...
(**c~~d~~**) ...
(**d~~e~~**) ...
(**e~~f~~**) ....

D.1.8 Parametric Monitoring

(a) The Permittee shall record the pressure drop across the baghouses used in conjunction with the truck receiving (Pt #1), rail receiving (Pt #2)~~,~~ **and** rail screening processes (Pt #2) ~~and grain screening (Pt #5) processes,~~ at least once per day when the listed processes are in operation. When for any one reading, the pressure drop across the baghouses is outside the normal range of 0.5 to 8.0 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 or 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.

(b) …

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

D.1.10 Record Keeping Requirements

(a) …

(b) To document compliance with Condition D.1.7, the Permittee shall maintain records of once per day visible emission notations of the stack exhaust from Pt #1, Pt #2~~,~~ **and** Pt #3~~,~~ ~~and Pt #5~~.

(c) …
(d) ...

Issue No. 12

Bunge objects to Condition D.8.20(b) and requests that IDEM, OAQ change the calibration frequency to at least once per year to be consistent with Condition D.3.16.

Response No. 12

On October 18, 2004, the petitioner withdrew the objection to the calibration frequency of Condition D.8.20(b), which became Condition D.8.18 in SPM T145-21512 and is now D.7.20.

On March 27, 2006, Third Administrative Amendment T145-22619-00035 revised the calibration frequency for Conditions D.3.16 and D.8.18 of the Part 70 Operating Permit T145-9004-00035 to "at least once every eighteen (18) months. Please see Response No. 11 for the revisions to Condition D.8.18, now D.7.20.

Issue No. 13

Bunge objects and states, "for Condition D.8.22(d), this Condition includes an incorrect span value for the very low NOx burner. 500 ppm should be 200 ppm."

Response No. 13

At this time, IDEM, OAQ can not make the revision as requested. The span value of 500 ppm is taken directly from 40 CFR 60, Subpart Db. The petitioner needs to request an applicability determination from the U. S. EPA for an alternate span value approval to revise the span value to 200 ppm. Once the approval is granted by the U. S. EPA the petitioner may request a permit modification.

Issue No. 14

Bunge objects and states the following for Condition D.8.23(g), "This Condition contains an incorrect reference to another Condition. It should reference D.8.14".

Response No. 14

IDEM, OAQ shall revise the recordkeeping requirements as they were listed in Condition D.8.23 of the Part 70 Permit T145-9004-00035. The revisions to Condition D.8.23, now D.7.23, are as follows:

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

D.~~8~~**7**.23 Record Keeping Requirements

Pursuant to 326 IAC 2-1-3(i) and 326 IAC 2-2:

(a) …
(f) …

(g) To document compliance with Condition D.~~8~~**7**.1**6**~~4~~, the Permittee shall maintain records of visible emission notations of the stack exhaust (Pt #~~1,~~ 4, 5, **12,** ~~16, 17,~~ 18, 19, 20, 21, 22, 23**,** ~~and~~ 24**, and 25**) once per day.

(h) To document compliance with Condition D.7.17, the Permittee shall maintain records of the pressure drops across the baghouses. The Permitee shall also maintain records of any alarms that sound and response steps taken.

(~~i~~**i**~~h~~) The Permittee shall maintain records of the following:

(1) …

~~(i) The Permittee shall maintain records of the results of the inspections of baghouses and cyclones.~~

(j) …

Issue No. 15

On March 2, 2006, Bunge requested that the 240 MMBtu/hr boiler, identified as Boiler No. 2, be revised to 210 MMBtu/hr.

Response No. 15

Minor Source Modification T145-21892-00035, issued December 6, 2005 and Significant Permit Modification T145-21927-00035, issued February 3, 2006 used information provided by the petitioner to modify the boilers at this facility to burn degummed soybean oil. For each of these modifications, the source submitted in both a cover letter and State Form 46978, Form D-1 for Combustion, that Boiler No. 2 is rated at 240 MMBtu/hr.

The revision of Boiler No. 2 from 240 MMBtu/hr to 210 MMBtu/hr would require additional review of 326 IAC 7-1.1, SO2 Emission Limitations and 326 IAC 6-2-4, Particulate Emission Limitations for Sources of Indirect Heating, affecting the current permit limit, which is based on a "total source maximum operating capacity rating" of the boilers. Therefore, IDEM, OAQ has determined that this request is outside of the scope of this appeal resolution. The petitioner may submit an application to IDEM, OAQ to request a revision to the rating of Boiler No. 2.

No changes will be made as a result of this request.

Issue No. 16

On March 2, 2006, Bunge requested that the statement found at the end of the table, as found in Section D.3, Condition D.3.1(a), be revised from "Maximum soybean extraction process throughput = 803,000 tons per twelve (12) consecutive month period" to "Maximum soybean extraction process throughput = 828,837 tons per twelve (12) consecutive month period".

Response No. 16

Significant Permit Modification T145-21512-00035, issued January 12, 2006 revised the Part 70 Operating to (a), remove references to grain loading and air flow rates and rely on "pound per hour" emission limits, and, (b), change the basis of the soybean processing limit to an "as received" basis.

The permit language was revised to add the statement relating to soybeans being processed on an "as received" basis to be limited less than 828,837 tons per twelve (12) consecutive month period with the statement of (equivalent to an oil extraction process throughput of 803,000 tons per twelve (12) consecutive month period). This was added to Conditions D.1.3, D.2.1, D.3.2 and D.8.5.

During the Public Notice comment period for Permit T145-21512-00035 the petitioner requested that the language in "parentheses" be deleted from the permit. The response to that request was as follows:

> "The language in parentheses was originally included because the reference to the original construction permit. Anyone who read the Part 70 permit in the future and wanted to check the limits against the original permit would find differing numbers, but have no clear explanation of why the numbers were different."

Condition D.8.5 of the Part 70 Operating Permit, now Condition D.7.7, is based on a Prevention of Significant Deterioration (PSD) Best Available Control Technology (BACT) determination and the language of this condition affects Conditions D.1.3, D.2.1 and D.3.2. IDEM, OAQ has determined that this request is outside of the scope of this appeal resolution. The petitioner may submit an application to IDEM, OAQ to modify these permit conditions. This type of request will require a new PSD BACT analysis.

Therefore, no changes will be made as a result of this request.

Additional Information

The following revisions are not addressed in any previous appeal issue. Upon further review, IDEM, OAQ has decided to make the following changes to the permit.

(a) In Section D.8, now D.7, all references to boiler no. 2 and boiler #2 will be revised to Boiler No. 2. The reference to stack Pt #20, as related to Boiler No. 2 will be added to Condition D.7.7(b).

D.**7.7**~~8.5~~PSD Minor Limit [326 IAC 2-2]

Pursuant to 326 IAC 2-2:

(a) …

(b) The following facilities' PM and PM-10 emissions rates shall be limited as follows:

Process	Baghouse/ Cyclone	PM Limit (lb/hr)	PM-10 Limit (Filterable) (lb/hr)
Boiler **No**. 2	**Stack Pt #20**	10.5 tpy	10.5 tpy

(b) Condition D.8.9(c), now D.7.11(c), Facilities will be updated to:

Facilities	Pollutant
Hot cracking and dehulling system, B-plant (Pt# 18**, 25**)	PM, PM-10
Soybean flaking, B-plant (PT# 19)	PM, PM-10
Mineral oil **absorption system**~~absorber~~ (PT# 23)	VOC, Mineral oil flow rate
DTDC…	

(c) Condition D.8.14, now D.7.16, shall be revised as follows to remove stack exhaust points based upon additional review and include stack exhaust points that require visible emission notations as included in the revised facility descriptions.

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

D.~~8~~**7**.1**6**~~4~~Visible Emissions Notations

(a) Visible emission notations of the stack exhaust Pt# ~~1,~~ 4, 5, **12**~~16, 17~~, 18, 19, 20, 21, 22, 23**,** ~~and~~ 24**, and 25** shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) …

(d) Condition D.2.6, now D.2.5, has a duplication of requirements in (a) and (b). This condition will be revised as follows and relettered as needed.

D.2.**5**~~6~~ Visible Emissions Notations

(a) Once per day visible emission notations of Pt. #4, 6, 11, 12, and 13 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

~~(b) Once per day visible emission notations of Pt. #4, 12, and 13 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.~~

(**b**~~c~~) …

(e) On March 3, 2003, U.S. EPA published a notice for "Conditional Approval of Implementation Plan: Indiana" in the Federal Register / Vol. 68, No.41 at pages 9892 through 9895. This notice grants conditional approval to the PSD State Implementation Plan (SIP) under provisions of 40 CFR §51.166 and 40 CFR §52.770 while superceding the delegated PSD SIP authority under 40 CFR §52.793. The effective date for these provisions was April 3, 2003. Therefore, the PSD permits are now issued under the authority of 326 IAC 2-2.

All references to 40 CFR 52.21and 40 CFR 52.2, as found in Sections D.2, D.3, D.5, D.6 and throughout the permit, will be deleted. For these sections, the permit language indicating "are not applicable" will be revised to "is not applicable".

Condition D.9.1(a), now D.8.1, will be revised as follows:

D.**8**~~9~~.1 Particulate Emissions Limitations ~~[40 CFR 52, Subpart P]~~ [326 IAC 6-3-2]

~~(a) Pursuant to 40 CFR 52, Subpart P, the allowable particulate emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour. The following insignificant activities are subject to this rule: blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower; and replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.~~

~~(b)~~ Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate emissions rate 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 shall not exceed 0.551 pounds per hour. ~~This condition is not federally enforceable.~~ The following insignificant activities are subject to this rule: blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower; and replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(f) The 8 hour ozone nonattainment designations in 69 FR 23858 have been incorporated in 326 IAC 1-4-1 effective December 12, 2004. Therefore, provisions of 326 IAC 2-3 are applicable in these areas. IDEM, OAQ has deleted the Nonattainment NSR term from the permit and replaced it with appropriate term in 326 IAC 2-3 as Emissions Offset 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 soybean processing plant.

Responsible Official:	…
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules and **Emissions Offset** ~~Nonattainment NSR~~; Major Source, Section 112 of Clean Air Act

(g) The following revisions are included to clarify permit and condition terms. The General Conditions have been revised and renumbered as needed. The changes are as follows:

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**, T145-9004-00035,** 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 or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control)**.

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

(a) …

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. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted ~~in letter form~~ no later than July 1 of each year to:

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 ~~in~~ 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. …

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

(a) All terms and conditions of ~~previous~~ permits **established prior to T145-9004-00035 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.**
~~by this permit.~~

(b) **Provided that all terms and conditions are accurately reflected in this permit,** ~~A~~all previous registrations and permits are superseded by this **Part 70 operating** permit**, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).**

B.**1**4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

B.1~~7~~**6** Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4] **[326 IAC 2-7-8(e)]**

(a) …

(b) ~~Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]~~

~~(1)~~ A timely renewal application is one that is:

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

(~~B~~**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.

~~(2) If IDEM, OAQ, upon receiving a timely and complete 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.~~

(c) ~~Right to Operate After Application for Renewal [326 IAC 2-7-3]~~

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.

~~(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]~~

~~If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.~~

(h) IDEM has decided to remove part (d) concerning nonroad engines from the Section B Permit Amendment or Modification condition. 40 CFR 89, Appendix A specifically indicates that sates are not precluded from regulating the use and operation of nonroad engines, such as regulations on hours of usage, daily mass emission limits, or sulfur limits on fuel; nor are permits regulating such operations precluded, once the engine is no longer new. The change is as follows:

B.1**8**~~7~~ Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) …

(c) …

~~(d) No permit amendment or modification is required for the addition, operation, or removal of a nonroad engine, as defined in 40 CFR 89.2~~

(i) IDEM has clarified the Section B Operational Flexibility condition as follows:

B.**20**~~19~~ Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) …

(b) …

(c) Emission Trades [326 IAC 2-7-20(c)]

The Permittee may trade **emissions** increases and decreases ~~in emissions in~~ **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) …

(j) The third sentence on the Quarterly Deviation and Compliance Monitoring report form has been changed as follows to be consistent with the condition is Section B – Deviations from Permit Requirements and Conditions:

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. ~~Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report.~~ **A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to 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".

Recommendation

The staff recommends to the Commissioner that the Part 70 Significant Permit Modification be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the petition for administrative review and additional information submitted on November 3, 2004, January 14, 2005, May 27, 2005 and November 7, 2005 by the applicant.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2004 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM-10	136
SO_2	6
VOC	280
CO	75
NO_x	178
HAP (specify)	not available

County Attainment Status

On April 15, 2004, the United States Environmental Protection Agency (U.S. EPA) named 23 Indiana counties and one partial county nonattainment for the new 8-hour ozone standard. The designations became effective on June 15, 2004. Shelby County has been designated as nonattainment for the 8-hour ozone standard.

The source is located in Shelby County.

Pollutant	Status
PM-10	Attainment
PM2.5	Attainment
SO_2	Attainment
NO_2	Attainment
1-hour Ozone	Attainment
8-hour Ozone	Nonattainment
CO	Attainment
Lead	Attainment

(a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are precursors for the formation of ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Shelby County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for nonattainment new source review.

(b) Shelby County has been classified as attainment for $PM_{2.5}$ (effective April 5, 2005). 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 $PM_{2.5}$ emissions, it has directed states to regulate PM_{10} emissions as surrogate for $PM_{2.5}$ emissions. Therefore, these proposed increases in particulate matter emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Shelby County has been classified as attainment or unclassifiable for 1-hour ozone, PM10, SO_2, NO_2, CO, and lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 and since there is an applicable New Source Performance Standard that was in effect on August 7, 1980, the fugitive emissions are counted toward determination of PSD applicability.

Conclusion

The operation of this soybean processing plant shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification No. T145-19796-00035.