INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

October 13, 2004

TO: Interested Parties / Applicant

RE: Cargill, Inc / 157-19644-00038

FROM: Paul Dubenetzky
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.

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Mr. John Zoss
Cargill, Inc.
1503 Wabash Avenue
Lafayette, Indiana 47905

October 13, 2004

Re: 157-19644-00038
First Significant Permit Modification to:
Part 70 permit No.:T157-5863-00038

Dear Mr. Zoss:

Cargill, Inc. was issued a Part 70 permit T157-5863-00038 on May 29, 2003 for a soybean oil extraction plant. A letter requesting changes to this permit was received on July 2, 2004. Pursuant to 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of revisions on the existing air flow rate, outlet grain leading, and PM10 emission limits for baghouse #1.

All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Pursuant to Contract No. A305-0-00-36, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Yu-Lien Chu, ERG,1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7871 to speak directly to Ms. Chu. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, and ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,
Original signed by

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

ERG/YC

cc: File - Tippecanoe County
Tippecanoe County Health Department
Air Compliance Section Inspector - Wanda Stanfield
Compliance Data Section
Administrative and Development -Sara Cloe
Technical Support and Modeling - Michele Boner

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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Cargill, Inc.
1503 Wabash Avenue,
Lafayette, Indiana 47902

(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.

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.: T157-5863-00038	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: May 29, 2003 Expiration Date: May 29, 2008

First Significant Permit Modification No.: 157-19644-00038	Pages Affected: 22, 35, 36, 50 and 51
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: October 13, 2004

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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 soybean oil extraction plant consisting of conventional desolventizer system, and flake desolventizer system.

Responsible Official:	John Zoss, Plant Manager
Source Address:	1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address:	1503 Wabash Ave., Lafayette, IN 47905-1039
General Source Phone Number:	765-420-6612
SIC Code:	2075
County Location:	Tippecanoe
County Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major under PSD; Major Source, Section 112 of the 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:

Permitted on December 3, 2001

(1) One (1) first stage rising film evaporator associated with the solvent extraction equipment (EU-13) with a maximum capacity of 20 tons of soybean oil per hour, controlled by the mineral oil system and exhausted at stack point S-15.
(2) One (1) Iso-hexane conversation system involving a rotocell condenser, a refrigerant type cooler with condenser and an additional cooling tower cell and pump, volatile organic compounds (VOC) emissions controlled by the mineral oil system and exhausted at stack point S-15.
(3) One (1) column grain dryer (EU-4) with column plate perforation less than or equal to 2.4 mm diameter (0.094 inch) with a maximum capacity of 7,500 bushels per hour (225 tons per hour) exhausted at stack point S-20.
(4) One (1) solvent/water separator with a maximum capacity of 600 gallons per minute, controlled by the mineral oil system and exhausted at stack point S-15.
(5) Five (5) sets of cracking rolls (EU-6) with a maximum capacity of 3,350 bushels per hour (100.5 tons per hour), controlled by bag house #3 and exhausted at stack point S-7.
(6) One (1) flaker aspiration system that collects and delivers dust from flakers (EU-11) to cyclone #4 and exhausted at stack point S-5.
(7) Three (3) dust collection systems for bag house #4 exhausting at stack point S-13; baghouse #3 exhausting at stack point S-7; and cyclone #4 exhausting at stack point S-5.
(8) One (1) FDS system cooler collector, exhausted at stack point S-22.
(9) Two (2) expanders (EU-12) with a maximum capacity of 833 bushels per hour (25 ton per hour), controlled by cyclone #4 and exhausted at stack point S-5.
(10) One (1) conveyor, DC400 with a maximum capacity of 3,350 bushels per hour, controlled by baghouse #3, and exhausted at stack point S-7.
(11) One (1) conveyor, DC409, with a maximum capacity of 3,350 bushels per hour, controlled by cyclone #4, exhausted at stack point S-5.

(12) Two (2) fully enclosed, sealed conveyors, DC412, and DC413, and DC seal screw with a maximum capacity of 3,350 bushels per hour.
(13) One (1) deaerator tank with a maximum capacity of 130 gallons per minute.
(14) One (1) rail soybean unloading system with a maximum unloading capacity of 20,000 bushels per hour; controlled by baghouse #10; and exhausted at stack point S-2.
(15) One (1) desolventizer/toaster (EU-16) with two integral meal dryers with a maximum capacity of 3,350 bushels per hour; controlled by the mineral oil system; and exhausted at stack points S-15, S-11 and S-12.
(16) One (1) meal cooler (EU-18) with a maximum capacity of 3,350 bushels per hour and exhausted at stack point S-21.
(17) One (1) meal dryer (EU-17) with a maximum capacity of 3,350 bushels per hour and exhausted at stack point S-25.
(18) Two (2) main transfer legs (north and south elevators).
(19) One (1) second stage rising film evaporator associated with the solvent extraction process (EU-13) with a maximum capacity of 20 tons of soybean oil per hour, controlled by the mineral oil system, and exhausted at stack point S-15.
(20) One (1) liquid brine tank.
(21) One (1) bean truck scale with an enlarged pit.
(22) One (1) mineral oil system with a maximum capacity of 150 pounds of hexane per hour, and exhausted at stack point S-15.
(23) One (1) final vent condenser with a maximum capacity of 1100 pounds of hexane per hour, and exhausted at stack point S-15.
(24) One (1) flaker (#2 Flaker) with a maximum capacity of 400 bushels per hour, controlled by cyclone #9, and exhausted at stack point S-5.
(25) One (1) hull grinder.
(26) One (1) pod grinder.

Permitted and existing before December 3, 2001

(1) One (1) truck soybean receiving pit, maximum capacity of 25,000 bushels per hour, controlled by a receiving area baghouse #4, and exhausting at stack Pt # S-13.
(2) One (1) totally enclosed truck soybean receiving pit drag conveyor (DC-431), maximum capacity of 25,000 bushels per hour aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(3) One (1) totally enclosed soybean receiving pit drag conveyor (DC-432), maximum capacity of 25,000 bushels per hour aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(4) One (1) soybean receiving bucket elevator #301, maximum capacity of 25,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(5) Three (3) totally enclosed soybean drag conveyors (DC-441, 442, & 443) in series, maximum capacity of 25,000 bushels per hour, each aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(6) One (1) totally enclosed soybean drag conveyor (DC-434), maximum capacity of 25,000 bushels per hour aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(7) Four (4) soybean storage tanks, total capacity of 1,213,000 bushels.
(8) Two (2) totally enclosed soybean drag conveyors (DC-436, & 437) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(9) Two (2) totally enclosed soybean drag conveyors (DC-444, & 446) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(10) One (1) soybean transfer bucket elevator #303, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(11) One (1) Texas shaker #2 screener, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.
(12) One (1) weed seed Kice, maximum capacity of 150 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.

(13) One (1) Kice #1 screener, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.
(14) Two (2) totally enclosed soybean drag conveyors (DC-448, & 448A) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #1, and exhausting at stack Pt # S-3.
(15) One (1) totally enclosed soybean screw conveyor (SC212), maximum capacity of 150 bushels per hour.
(16) One (1) 29 MMBtu natural gas fired soybean column dryer, maximum capacity of 5000 bushels per hour and exhausting at stack Pt # S-20.
(17) Two (2) totally enclosed soybean drag conveyors (DC-449, & 450) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(18) One (1) dry soybean transfer bucket elevator #307, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(19) One (1) totally enclosed dry soybean drag conveyor (DC-453), maximum capacity of 5,000 bushels per hour, aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(20) Eighteen (18) soybean bins (501, 502, 503, 506, 507, 508, 511, 512, 513, 516, 517, 518, 521, 522, 523, 526, 527, and 528), maximum total capacity of 261,000 bushels.
(21) Two (2) totally enclosed soybean drag conveyors (DC-454, & 447) in series, maximum capacity of 5,000 bushels per hour each, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(22) One (1) dry soybean transfer bucket elevator #304, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(23) One (1) totally enclosed dry soybean drag conveyor (DC-400A), maximum capacity of 5,000 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(24) One (1) soybean Thayer scale, maximum capacity of 5000 bushels per hour, controlled by a baghouse #3, and exhausting at stack Pt # S-7.
(25) Two (2) weed seed bins (#207 & 208).
(26) Two (2) totally enclosed soybean screw conveyors (SC 213 & 214), maximum capacity of 150 bushels per hour.
(27) One (1) totally enclosed soybean screw conveyor (SC 215), maximum capacity of 5000 bushels per hour.
(28) Three (3) totally enclosed soybean drag conveyors (DC-427, 428, & 429) in series, maximum capacity of 5,000 bushels per hour each.
(29) One (1) totally enclosed dry soybean drag conveyor (DC-400), maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(30) Five (5) soybean surge bins.
(31) Five (5) soybean cracking rolls.
(32) Two (2) totally enclosed cracked soybean drag conveyor (DC-401 & 403), maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(33) One (1) primary Kice #1, maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(34) Two (2) totally enclosed cracked soybean screw conveyors (SC-201 & 202), in series, maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(35) One (1) triple S shaker, maximum capacity of 3350 bushels per hour, controlled by a baghouse #3, and exhausting at stack Pt # S-7.
(36) One (1) hull grinding, maximum capacity of 150 bushels per hour, controlled by a cyclone #3, and a baghouse #3, and exhausting at stack Pt # S-7.
(37) One (1) coarse cut aspiration, maximum capacity of 150 bushels per hour, controlled by a cyclone #1, and a baghouse #3, and exhausting at stack Pt # S-7.
(38) One (1) fine cut aspiration, maximum capacity of 150 bushels per hour, controlled by a cyclone #2, and a baghouse #3, and exhausting at stack Pt # S-7.
(39) One (1) rotary conditioner, maximum capacity of 3350 bushels per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.

(40) Four (4) totally enclosed conditioned soybean drag conveyor (DC-404, 405, 406 & 407), maximum capacity of 3350 bushels per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(41) Two (2) flaker banks #1 & 2, maximum capacity of 100.5 tons per hour each, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(42) Two (2) totally enclosed soybean flake screw conveyors (SC-206 & 207), maximum capacity of 100.5 tons per hour each, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(43) One (1) totally enclosed soybean flake drag conveyor (DC-409), maximum capacity 100.5 tons per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(44) One (1) totally enclosed soybean flake drag conveyor (DC-410), maximum capacity of 100.5 tons per hour, and exhausting at steam vents.
(45) One (1) totally enclosed soybean flake drag conveyor (DC-411), maximum capacity of 100.5 tons per hour, and exhausting at safety vent.
(46) One (1) totally enclosed soybean flake screw conveyor (SC-209), maximum capacity of 100.5 tons per hour.
(47) One (1) dryer deck #1, maximum capacity of 100.5 tons per hour, controlled by a cyclone #6, and exhausting at stack Pt # S-11.
(48) One (1) dryer deck #2, maximum capacity of 100.5 tons per hour, controlled by a cyclone #7, and exhausting at stack Pt # S-12.
(49) One (1) totally enclosed soybean meal drag conveyor (DC-414), maximum capacity of 100.5 tons per hour.
(50) One (1) meal cooler #1, maximum capacity of 100.5 tons per hour, controlled by a cyclone #9, and exhausting at stack Pt # S-25.
(51) One (1) meal cooler #2, maximum capacity of 100.5 tons per hour, controlled by a cyclone #8, and exhausting at stack Pt # S-21.
(52) Two (2) totally enclosed soybean meal drag conveyors (DC 414A & 415), in series, maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(53) Three (3) meal sifters.
(54) One (1) totally enclosed oversized soybean meal drag conveyor (DC 416), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(55) One (1) totally enclosed soybean meal screw conveyor (SC 223), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(56) Three soybean meal grinders maximum total capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(57) One (1) totally enclosed soybean meal screw conveyor (SC 221), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(58) One (1) totally enclosed soybean meal drag conveyor (DC 417), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(59) One (1) dry soybean meal transfer bucket elevator (BE 300), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(60) Two (2) totally enclosed dry soybean meal drag conveyors (DC 418 & 419), in series, maximum capacity of 100.5 tons per hour aspirated to a baghouse #2, and exhausting at stack Pt # S-6.
(61) One (1) truck soybean meal, and hull loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #5, and exhausting at stack Pt # S-14.
(62) One (1) rail soybean meal, and hull loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #5, and exhausting at stack Pt # S-14.
(63) One (1) pneumatic flake conveying system consisting of two material handling baghouses #6 and 7, maximum capacity of 31.5 tons per hour, and exhausting at stack Pts # S-22 and 23.
(64) One (1) pneumatic reject flake conveying system consisting of one baghouse #8, maximum capacity of 9 tons per hour, and exhausting at stack Pt # S-24.

(65) One (1) totally enclosed soybean flake screw conveyor, maximum capacity of 9 tons per hour (SC 218).
(66) Two (2) totally enclosed soybean flake drag conveyors (DC 461 & 462), in series, maximum capacity of 200 tons per hour.
(67) One (1) soybean flake loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #7, and exhausting at stack Pt # S-23.
(68) One (1) pneumatic hull conveying system consisting of one material handling cyclone #3, maximum capacity of 4.5 tons per hour, and exhausting at stack Pts # S4.
(69) One (1) desolventizer toaster, maximum capacity of 100.5 tons per hour, controlled by a mineral oil absorber system.
(70) One (1) flake desolventizer system, maximum capacity of 100.5 tons per hour, controlled by a mineral oil absorber system.
(71) One (1) mineral oil absorber system.
(72) One (1) 48% meal tank.
(73) One (1) 44% meal tank.
(74) One (1) 75 MMBtu per hour natural gas fired boiler designated as S-17 with fuel oil #2, #4, #5, and #6 as available backup fuel oils.
(75) One (1) 60 MMBtu per hour natural gas fired boiler designated as S-16 with fuel oil #2, #4, #5, and #6 as available backup fuel oils.
(76) Two (2) hexane tanks #809 A & B vented to the process or vented through the flame arrester.
(77) Three (3) fuel oil storage tanks #860 A, B, and C, maximum capacity of 25000 gallons each.
(78) One (1) fuel oil storage tank #815, maximum capacity of 125000 gallons.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(1) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour.
(2) Propane or liquid petroleum gas, or butane fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.
(3) Combustion source flame safety purging on startup.
(4) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons.
(5) Vessels storing lubricating oils, hydraulic oils, and machining fluids.
(6) Cleaners and solvents characterized as follows:
  (A) Having a vapor pressure equal to or less than 2kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100^0F) or,
  (B) Having a vapor pressure equal to or less than 0.7kPa; 5mm Hg; or 0.1 psi measured at 20 degrees C (60^0F) or;
  The use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
(7) Closed loop heating and cooling systems.
(8) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.

(9) Forced and induced draft cooling tower not regulated under a NESHAP.
(10) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
(11) Heat exchanger cleaning and repair.
(12) Process vessel degassing and cleaning to prepare for internal repairs.
(13) Asbestos abatement projects regulated by 326 IACC 14-10.

(14) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks temporary liquid separators, tanks, and fluid handling equipment.
(15) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.
(16) Stationary fire pumps. Purge double block and bleed valves.
(17) A laboratory as defined in 326 IAC 2-7-1(20(C).
(18) Other categories with emissions below insignificant thresholds:
(A) Storage tanks emitting less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC.
(i) Three (3) fuel oil storage tanks #860 A, B, and C, constructed in 1960, and maximum capacity of 25,000 gallons each.
(ii) One (1) fuel oil storage tank #815, constructed in 1960, and maximum capacity of 125,000 gallons.

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

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

(1) Paved and unpaved roads and parking lots with public access.[6-5-4]

(2) Other categories with emissions below significant thresholds:
(A) Storage tanks emitting less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC.
(i) Two (2) hexane tanks #809 A & B, constructed in 1991 and 2002, and maximum capacity of 19,000 and 20,000 gallons, respectively and vented to the process or vented through the flame arrester.[326 IAC 12, and 40 CFR 60.112b(a)]

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);

(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]

This permit 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.

B.3 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.4 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 sources existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

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 Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)] [326 IAC 2-7-6(6)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

(b) 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.

(c) 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 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and re issuance, or modification; or

(3) Denial of a permit renewal application.

(b) Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.

(c) 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.

(d) 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.

B.9 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

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

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

B.10 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 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:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:

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

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

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

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, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

(b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) 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 contributes to any violation. The PMP does not require the certification by the a responsible official as defined by 326 IAC 2-7-1(34).

(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept 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.12 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;

(2) 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;

(3) 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: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

(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, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

B.13 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. 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)(7)]

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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 2-7-4]

(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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(a) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

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

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

(B) 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.

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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

(b) 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 emissions allowable under 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b)(1), (c)(1), or (e)(2) and makes 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 increases and decreases in emissions in 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]

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:

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;

(a) Have access to and copy any records that must be kept under the conditions of this permit;

(b) Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(c) Sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(d) 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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]

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.

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

(b) 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]

Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.

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 [40 CFR 52 Subpart P][326 IAC 6-3-2]

(a) Pursuant to 40 CFR 52 Subpart P, the allowable particulate matter 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.

(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 and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

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.

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

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

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

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

C.6 Operation of Equipment [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are operation.

C.7 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.

C.8 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, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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 14-10-41, 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) 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 that the inspector be accredited, pursuant to the provisions of 40 CFR 61, Subpart M, is federally enforceable.

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

C.9 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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 source 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.10 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.11 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, P. O. Box 6015

Indianapolis, Indiana 46206-6015

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.12 Maintenance of Opacity Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

(a) Prior to combusting residual fuel oil (fuel oils #4, #5, and #6) in Boiler no. 2 (S-17), the Permittee shall install, calibrate, maintain, and operate a COMS for measuring the opacity of the emissions from Boiler no. 2 discharged to the atmosphere and record the output of the system when combusting residual fuel oil. In addition, prompt corrective action shall be initiated whenever indicated.

(b) In the event that a breakdown of the continuous opacity monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.

(c) Whenever a continuous opacity monitor (COM) is malfunctioning or will be down for calibration, maintenance, or repairs for a period of four (4) hours or more, a calibrated backup COM shall be brought online within four (4) hours of shutdown of the primary COM. If this is not possible, visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of one (1) hour beginning four (4) hours after the start of the malfunction or down time.

(1) If the reading period begins less than one hour before sunset, readings shall be performed until sunset. If the first required reading period would occur between sunset and sunrise, the first reading shall be performed as soon as there is sufficient daylight.

(2) Method 9 opacity readings shall be repeated for a minimum of one (1) hour at least once every four- (4) hours during daylight operations, until such time that the continuous opacity monitor is back in operation.

(3) All of the opacity readings during this period shall be reported in the Quarterly Compliance Monitoring Reports.

(d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous opacity monitoring system pursuant to 326 IAC 3-5, and 40 CFR 60 Subpart Db.

C.13 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.14 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that

the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

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

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

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on June 17, 1999.

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

C.16 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

(a) A compliance schedule for meeting the requirements of 40 CFR 68; or

(b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP).

All documents submitted pursuant to this condition shall include the certification by a responsible official as defined by 326 IAC 2-7-1(34).

C.17 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable.

(4) Failure to take reasonable response steps shall constitute a violation of the permit.

(c) The Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within normal parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.

(e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.18 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 documents submitted pursuant to this condition do require the certification by the a 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.19 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) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:

(1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);

(2) Indicate estimated actual emissions of other regulated pollutants (as defined by 326 IAC 2-7-1) from the source, for purposes of Part 70 fee assessment.

(b) The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

(c) The annual 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.

(d) The annual 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.20 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(a) Records of all required data, reports and support information 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 kept 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.21 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The source 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 a 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, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(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 a 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.22 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.

C.23 Application Requirements for Section 112(j) of the Clean Air Act [40 CFR 63.52(e)] [40 CFR 63.56(a)] [40 CFR 63.9(b)] [326 IAC 2-7-12]

(a) The Permittee shall submit a Part 2 MACT Application in accordance with 40 CFR 63.52(e)(1). The Part 2 MACT Application shall meet the requirements of 40 CFR 63.53(b).

(b) Notwithstanding paragraph (a), the Permittee is not required to submit a Part 2 MACT Application if the Permittee no longer meets the applicability criteria of 40 CFR 63.50 by the application deadline in 40 CFR 63.52(e)(1). For example, the Permittee would not have to submit a Part 2 MACT Application if, by the application deadline:

(1) The source is no longer a major source of hazardous air pollutants, as defined in 40 CFR 63.2;

(2) The source no longer includes one or more units in an affected source category for which the U.S. EPA failed to promulgate an emission standard by May 15, 2002; or

(3) The MACT standard or standards for the affected source categories included at the source are promulgated.

(c) Notwithstanding paragraph (a), pursuant to 40 CFR 63.56(a), the Permittee shall comply with an applicable promulgated MACT standard in accordance with the schedule provided in the MACT standard if the MACT standard is promulgated prior to the Part 2 MACT Application deadline or prior to the issuance of permit with a case-by-case Section 112(j) MACT determination. The MACT requirements include the applicable General Provisions requirements of 40 CFR 63, Subpart A. Pursuant to 40 CFR 63.9(b), the Permittee shall submit an initial notification not later than 120 days after the effective date of the MACT, unless the MACT specifies otherwise. The initial notification shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Director, Air and Radiation Division
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Note: After the Significant Source Modification 157-11361 becomes operational, the Permittee shall follow the conditions contained in Section D.2 instead of Section D.1. This will not have any effect on other D sections.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

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

Permitted and Existing before December 3, 2001

(1) One (1) truck soybean receiving pit, maximum capacity of 25,000 bushels per hour, controlled by a receiving area baghouse #4, and exhausting at stack Pt # S-13.
(2) One (1) totally enclosed truck soybean receiving pit drag conveyor (DC-431), maximum capacity of 25,000 bushels per hour aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(3) One (1) totally enclosed soybean receiving pit drag conveyor (DC-432), maximum capacity of 25,000 bushels per hour aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(4) One (1) soybean receiving bucket elevator #301, maximum capacity of 25,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(5) Three (3) totally enclosed soybean drag conveyors (DC-441, 442, & 443) in series, maximum capacity of 25,000 bushels per hour, each aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(6) One (1) totally enclosed soybean drag conveyor (DC-434), maximum capacity of 25,000 bushels per hour aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(7) Four (4) soybean storage tanks, total capacity of 1,213,000 bushels.
(8) Two (2) totally enclosed soybean drag conveyors (DC-436, & 437) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(9) Two (2) totally enclosed soybean drag conveyors (DC-444, & 446) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(10) One (1) soybean transfer bucket elevator #303, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(11) One (1) Texas shaker #2 screener, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.
(12) One (1) weed seed Kice, maximum capacity of 150 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.
(13) One (1) Kice #1 screener, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.
(14) Two (2) totally enclosed soybean drag conveyors (DC-448, & 448A) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #1, and exhausting at stack Pt # S-3.
(15) One (1) totally enclosed soybean screw conveyor (SC212), maximum capacity of 150 bushels per hour.
(16) One (1) 29 MMBtu natural gas fired soybean column dryer, maximum capacity of 5000 bushels per hour and exhausting at stack Pt # S-20.
(17) Two (2) totally enclosed soybean drag conveyors (DC-449, & 450) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(18) One (1) dry soybean transfer bucket elevator #307, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.

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

(19) One (1) totally enclosed dry soybean drag conveyor (DC-453), maximum capacity of 5,000 bushels per hour, aspirated to baghouse #9, and exhausting at stack Pt # S-1.

(20) Eighteen (18) soybean bins (501, 502, 503, 506, 507, 508, 511, 512, 513, 516, 517, 518, 521, 522, 523, 526, 527, and 528), maximum total capacity of 261,000 bushels.

(21) Two (2) totally enclosed soybean drag conveyors (DC-454, & 447) in series, maximum capacity of 5,000 bushels per hour each, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.

(22) One (1) dry soybean transfer bucket elevator #304, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.

(23) One (1) totally enclosed dry soybean drag conveyor (DC-400A), maximum capacity of 5,000 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.

(24) One (1) soybean Thayer scale, maximum capacity of 5000 bushels per hour, controlled by a baghouse #3, and exhausting at stack Pt # S-7.

(25) Two (2) weed seed bins (#207 & 208).

(26) Two (2) totally enclosed soybean screw conveyors (SC 213 & 214), maximum capacity of 150 bushels per hour.

(27) One (1) totally enclosed soybean screw conveyor (SC 215), maximum capacity of 5000 bushels per hour.

(28) Three (3) totally enclosed soybean drag conveyors (DC-427, 428, & 429) in series, maximum capacity of 5,000 bushels per hour each.

(29) One (1) totally enclosed dry soybean drag conveyor (DC-400), maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.

(30) Five (5) soybean surge bins.

(31) Five (5) soybean cracking rolls.

(32) Two (2) totally enclosed cracked soybean drag conveyor (DC-401 & 403), maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.

(33) One (1) primary Kice #1, maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.

(34) Two (2) totally enclosed cracked soybean screw conveyors (SC-201 & 202), in series, maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.

(35) One (1) triple S shaker, maximum capacity of 3350 bushels per hour, controlled by a baghouse #3, and exhausting at stack Pt # S-7.

(36) One (1) hull grinding, maximum capacity of 150 bushels per hour, controlled by a cyclone #3, and a baghouse #3, and exhausting at stack Pt # S-7.

(37) One (1) coarse cut aspiration, maximum capacity of 150 bushels per hour, controlled by a cyclone #1, and a baghouse #3, and exhausting at stack Pt # S-7.

(38) One (1) fine cut aspiration, maximum capacity of 150 bushels per hour, controlled by a cyclone #2, and a baghouse #3, and exhausting at stack Pt # S-7.

(39) One (1) rotary conditioner, maximum capacity of 3350 bushels per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.

(40) Four (4) totally enclosed conditioned soybean drag conveyor (DC-404, 405, 406 & 407), maximum capacity of 3350 bushels per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.

(41) Two (2) flaker banks #1 & 2, maximum capacity of 100.5 tons per hour each, controlled by a cyclone #4, and exhausting at stack Pt # S-5.

(42) Two (2) totally enclosed soybean flake screw conveyors (SC-206 & 207), maximum capacity of 100.5 tons per hour each, controlled by a cyclone #4, and exhausting at stack Pt # S-5.

(43) One (1) totally enclosed soybean flake drag conveyor (DC-409), maximum capacity 100.5 tons per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.

(44) One (1) totally enclosed soybean flake drag conveyor (DC-410), maximum capacity of 100.5 tons per hour, and exhausting at steam vents.

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

(45) One (1) totally enclosed soybean flake drag conveyor (DC-411), maximum capacity of 100.5 tons per hour, and exhausting at safety vent.
(46) One (1) totally enclosed soybean flake screw conveyor (SC-209), maximum capacity of 100.5 tons per hour.
(47) One (1) dryer deck #1, maximum capacity of 100.5 tons per hour, controlled by a cyclone #6, and exhausting at stack Pt # S-11.
(48) One (1) dryer deck #2, maximum capacity of 100.5 tons per hour, controlled by a cyclone #7, and exhausting at stack Pt # S-12.
(49) One (1) totally enclosed soybean meal drag conveyor (DC-414), maximum capacity of 100.5 tons per hour.
(50) One (1) meal cooler #1, maximum capacity of 100.5 tons per hour, controlled by a cyclone #9, and exhausting at stack Pt # S-25.
(51) One (1) meal cooler #2, maximum capacity of 100.5 tons per hour, controlled by a cyclone #8, and exhausting at stack Pt # S-21.
(52) Two (2) totally enclosed soybean meal drag conveyors (DC 414A & 415), in series, maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(53) Three (3) meal sifters.
(54) One (1) totally enclosed oversized soybean meal drag conveyor (DC 416), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(55) One (1) totally enclosed soybean meal screw conveyor (SC 223), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(56) Three soybean meal grinders maximum total capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(57) One (1) totally enclosed soybean meal screw conveyor (SC 221), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(58) One (1) totally enclosed soybean meal drag conveyor (DC 417), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(59) One (1) dry soybean meal transfer bucket elevator (BE 300), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(60) Two (2) totally enclosed dry soybean meal drag conveyors (DC 418 & 419), in series, maximum capacity of 100.5 tons per hour aspirated to a baghouse #2, and exhausting at stack Pt # S-6.
(61) One (1) truck soybean meal, and hull loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #5, and exhausting at stack Pt # S-14.
(62) One (1) rail soybean meal, and hull loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #5, and exhausting at stack Pt # S-14.
(63) One (1) pneumatic flake conveying system consisting of two material handling baghouses #6 and 7, maximum capacity of 31.5 tons per hour, and exhausting at stack Pts # S-22 and 23.
(64) One (1) pneumatic reject flake conveying system consisting of one baghouse #8, maximum capacity of 9 tons per hour, and exhausting at stack Pt # S-24.
(65) One (1) totally enclosed soybean flake screw conveyor, maximum capacity of 9 tons per hour (SC 218).
(66) Two (2) totally enclosed soybean flake drag conveyors (DC 461 & 462), in series, maximum capacity of 200 tons per hour.
(67) One (1) soybean flake loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #7, and exhausting at stack Pt # S-23.
(68) One (1) pneumatic hull conveying system consisting of one material handling cyclone #3, maximum capacity of 4.5 tons per hour, and exhausting at stack Pts # S4.
(69) One (1) desolventizer toaster, maximum capacity of 100.5 tons per hour, controlled by a mineral oil absorber system.

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

(70) One (1) flake desolventizer system, maximum capacity of 100.5 tons per hour, controlled by a mineral oil absorber system.
(71) One (1) mineral oil absorber system.
(72) One (1) 48% meal tank.
(73) One (1) 44% meal tank.
(74) One (1) 75 MMBtu per hour natural gas fired boiler designated as S-17 with fuel oil #2, #4, #5, and #6 as available backup fuel oils.
(75) One (1) 60 MMBtu per hour natural gas fired boiler designated as S-16 with fuel oil #2, #4, #5, and #6 as available backup fuel oils.
(76) Two (2) hexane tanks #809 A & B vented to the process or vented through the flame arrester.
(77) Three (3) fuel oil storage tanks #860 A, B, and C, maximum capacity of 25,000 gallons each.
(78) One (1) fuel oil storage tanks #815, maximum capacity of 125,000 gallons.

(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 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

Pursuant to SSM157-11361-00038, issued on December 3, 2001,

(a) The soybean processed by the plant shall be limited to 821,250 tons per twelve- (12) consecutive month period, with compliance demonstrated at the end of each month.

(b) The soybean received by the dump bed trucks shall be limited to 82,125 tons per twelve- (12) -consecutive month period, with compliance demonstrated at the end of each month.

(c) The reject flakes loadout shall be limited to 2,400 tons per twelve (12)- consecutive month period, with compliance demonstrated at the end of each month.

(d) The following facilities' PM, and PM10 emissions rates shall be limited as follows:

Facility	Control	Air Flow Rate Limit (dscfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Grain receiving system	Baghouse #4	12,275	0.005	0.526	0.526
Grain storage loading		infinite	0.01	15.0	8.36
Grain storage unloading	Baghouse #10	20,500	0.006	1.05	1.05
Bean screener	Baghouse #1	14,000	0.0033	0.136	0.4
Grain dryer		-	-	49.5	12.4
Grain tanks and silos loading		-	-	3.05	1.72

Facility	Control	Air Flow Rate Limit (dscfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Grain tanks and silos unloading	Baghouse #9	16,200	0.006	0.833	0.833
Soybean cracking & hulling system	Baghouse #3	16,000	0.005	0.137	0.137
Soybean flaking	Cyclone #4	7,600	0.0058	0.378	0.378
Hull transfer		320	0.01	0.027	0.027
DTDC meal dryers	Cyclones #6 & 7	12,500	0.0061	0.654	0.654
Meal coolers	Cyclones #8 & 9	15,400	0.01	1.32	1.32
Meal sizing and grinding	Baghouse #2	14,000	0.007	0.84	0.84
FDS cooler collector	Baghouse #6	22,000	0.008	1.51	1.51
Meal and hull loadout	Baghouse #5	16,000	0.004	0.549	0.549
Flake loadout	Baghouse #7	10,000	0.004	0.343	0.343
Reject flake storage Based on 2400 tons of reject flake loadout	Baghouse #8	3,000	0.013	0.334	0.334
Hull blend back		320	0.01	0.027	0.027
Boiler no. 1 and 2		794.13 Million cubic feet of natural gas or equivalent		3.02 tons per year	3.02 tons per year

This soybean limitation is required to limit the potential to emit of PM, and PM10 emissions of 140.2 and 70.3 tons per year, respectively.

Compliance with these limits makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable for PM and PM10emissions.

This will also satisfy the rule 326 IAC 6-3-2.

D.1.2 Best Available Control Technology (BACT) [326 IAC 2-2-3] [40 CFR 52.21] [326 IAC 8-1-6]

Pursuant to 326 IAC 2-2-3 (BACT Requirements) as determined in SSM 157-11361-00038, the Permittee shall control volatile organic compound (VOC) emissions from the Flake Desolventizing System (FDS) as follows:

(a) Facility Control VOC (Hexane) Emission Limit

FDS Cooler collector	None	0.391 gal/ton soybean
		VOC (Hexane) Usage Limit
Combined soybean extraction plant		0.503 gals/ton soybean

(b) BACT for fugitive hexane loss will include an annual leak check in accordance with Cargill's standard operating procedures accompanied by continuos monitoring of the process area by flammable gas monitors. The leak check shall be conducted in conjunction with the annual maintenance shutdown of the facility.

For emergency repairs and/or maintenance completed between annual maintenance shutdowns, a leak check shall be completed on the affected system before hexane is reintroduced into the system. Any leaks detected shall be repaired prior to introducing hexane into the system.

(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 the Compliance Branch, Office of Air Quality, 100 North Senate Avenue, P. O. Box 6015, Indianapolis, Indiana 46206-6015 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

D.1.3 General Provisions Relating to NESHAP [40 CFR Part 60, Subpart GGGG 63.2850]

The provisions of 40 CFR 63.2850 (a) - General Provisions apply to the conventional and specialty soybean extraction processes described in this section.

D.1.4 HAP Emissions from Solvent Extraction for Vegetable Oil Production NESHAP [40 CFR Part 60, Subpart GGGG 63.2840]

(a) The conventional soybean process is subject to 40 CFR 63.2840 with a compliance date of three years after April 12, 2001, the effective date of the rule. The solvent (hexane) loss from the conventional soybean process shall not exceed 0.2 gallons per ton of soybeans processed.

(b) The specialty soybean process is subject to 40 CFR 63.2840 upon startup. The solvent (hexane) loss from the specialty soybean process shall not exceed 1.5 gallons per ton of soybeans processed.

D.1.5 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 facilities and any control devices.

Compliance Determinations Requirements

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

During the period between 6 and 36 months after issuance of this permit, in order to demonstrate compliance with Condition D.1.1, and D.1.2 (a) the Permittee shall perform PM, PM-10, and VOC testing for the facilities shown below utilizing methods as approved by the Commissioner. This test 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.

(a)

Facilities	Pollutant/Opacity
Receiving area baghouse (#4)	PM/PM10/Opacity
Receiving area baghouse (#10)	PM/PM10/Opacity
Storage tank area baghouse (#9)	PM/PM10/Opacity
Screening area baghouse (#1)	PM/PM10/Opacity
Mineral oil absorber	VOC, Mineral oil flow rate

(b) Cargill, Inc. shall develop a representative stack testing plan which identifies the method in which emissions from the following sources shall be evaluated to determine compliance with Condition No. D.1.1 and D.1.2(a) within 6 months after issuance of this Part 70 permit. Cargill, Inc. shall submit the stack testing plan for review and approval by IDEM. Cargill, Inc will implement the plan after approval by IDEM. The facilities listed in condition D.1.6(a) above may be proposed as representative facilities.

Cracking system bag house (#3)	PM, PM10
Flaking Cyclone #4	PM, PM10
DTDC meal dryer (Cyclones #6 and #7)	PM, PM10
DTDC meal coolers (Cyclones #8 and #9)	PM, PM10
Flake loadout (Baghouse #7)	PM, PM10
Meal sizing and screening (Baghouse #2)	PM, PM10
Truck/rail, meal/hull load out (Baghouse #5)	PM, PM10

(c) 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 corrective actions shall be implemented immediately unless notified by OAQ that they are unacceptable. The Permittee shall take reasonable steps to minimize emissions while the corrective actions are being implemented.

(d) Whenever the results of the stack test performed exceed the level specified in this permit, a second test to demonstrate compliance shall be performed within 120 days. Failure of

the second test to demonstrate compliance may be grounds for immediate revocation of this permit to operate the affected facility.

D.1.7 VOC (BACT) Compliance [326 IAC 2-2 and 40 CFR 52.21]

Compliance with Condition D.1.2 (a) shall be demonstrated within 30 days of the end of each month by determining average of twelve (12) consecutive months period of the followings:

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

(b) The amount of soybean processed by the conventional and specialty processes

(c) The gallons of hexane used per ton of soybean processed by the conventional and specialty processes

D.1.8 HAP (MACT) Compliance [40 CFR 60, Subpart GGGG]

Compliance with Condition D.1.4 shall be demonstrated in the following manner:

(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, Subpart GGGG, 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]/

$$0.64[\{(\text{Soybean processed})_C * (SLF_C)\} + \{(\text{Soybean processed})_S * (SLF_S)\}] \quad \text{(Eq. 2)}$$

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

SLF_S = 1.5 gals/ton (for new source, specialty soybean process) as listed in Table 1 of 40 CFR 63.2840

SLF_C = 0.2 gals/ton (for existing source, conventional soybean process) 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 was in compliance with 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 data necessary for demonstrating compliance with this subpart.

(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.1.9 Particulate Matter (PM) and Particulate Matter 10 (PM10)

In order to comply with D.1.1**,** the baghouses and cyclones shall be in operation and control emissions from the associated facilities at all times when the associated facilities are in operation.

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

D.1.10 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust S-13, S-2, S-3, S-20, S-1, S-7, S-5, S-11, S-12, S-21, S-25, S-6, S-14, S-4, S-8, S-22, S-23, and S-24 shall be performed once per shift 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 violation of this permit.

D.1.11 Parametric Monitoring

The Permittee shall record the total static pressure drop across the bag house used in conjunction with the process, at least once per shift when the process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.5 and 6 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 - Preparation, 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 violation of this permit.

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.

D.1.12 Bag house Inspections

A baghouse inspection shall be performed once each year of all bags controlling the process. All defective bags shall be replaced.

D.1.13 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 B- 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 accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment bag houses, failed units and the 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).

D.1.14 Cyclone Inspections

An inspection shall be performed once each year of all cyclones controlling the processes.

D.1.15 Cyclone Failure Detection

In the event that cyclone failure has been observed:

Failed units and the 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 - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.1.16 Mineral Oil Absorber

(a) The absorber shall operate at all times the oil extractor process is in operation at an average mineral oil flow rate as recommended by the manufacturer.

(b) 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.

(c) The instruments used for determining the flow rate shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

(d) The gauge employed to read 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 $\pm$ 10% of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.

(e) 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.

(f) The operating temperatures of the mineral oil absorber will be established in the Compliance Monitoring Plan. When the process is in operation, an electronic data management system (EDMS) shall record the instantaneous temperature on a frequency of not less that every two hours. As an alternate to installing an EDMS, manual readings shall be taken every two hours.

(g) The mineral oil to the mineral-oil-stripping column shall be kept a minimum of 180^0F 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 alternate to installing an EDMS, manual readings shall be taken every two hours.

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

D.1.17 Record Keeping Requirements

(a) To document compliance with Condition D.1.1, the Permittee shall maintain records of the followings:

(1) visible emission notations of the facilities stack exhaust once per shift required under Condition D.1.10.

(2) per shift readings of total static pressure drop across the bag houses during normal operation required under Condition D.1.11.

(3) the results of the inspections required under Condition D.1.12 and D.1.14.

(b) To document compliance with Condition D.1.2 (a) and D.1.16, the Permittee shall maintain records of the followings:

(1) The amount of VOC (hexane) used per calendar month.

(2) The amounts of soybean processed by the conventional and specialty processes.

(3) The gallons of hexane used per ton of soybean processed by the conventional and specialty processes

(4) The daily record of the mineral oil flow rate to the mineral oil absorber

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

(6) The operating temperatures of the mineral oil absorber

(7) The temperature of the mineral oil stripping column

(c) To document compliance with Condition D.1.2(b),

(1) The Permittee shall maintain records of the following to verify compliance with the enhanced inspection, maintenance, and repair program.

(A) Equipment inspected;

(B) Date of inspection; and

(C) Determination of whether a leak was detected.

(2) If a leak is detected, the Permittee shall record the following information to verify compliance with the enhanced inspection, maintenance, and repair program.

(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.

(d) To document compliance with Condition D.1.4, the Permittee shall maintain records of the followings:

(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 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), record the items in 40 CFR 63286(e)(1) through (3).

(4) The Permittee shall keep the compliance plan and SSM plan on-site and readily available as long as the source is operational.

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

D.1.18 Reporting Requirements

(a) A summary of the information to document compliance with Conditions D.1.1 and D.1.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the reporting 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).

(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 compliance 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).

Note: After the Significant Source Modification 157-11361 becomes operational, the Permittee shall follow the conditions contained in Section D.2 instead of Section D.1. This will not have any effect on other D sections.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

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

Emissions Units Permitted on December 3, 2001

(1) One (1) first stage rising film evaporator associated with the solvent extraction equipment (EU-13) with a maximum capacity of 20 tons of soybean oil per hour, controlled by the mineral oil system and exhausted at stack point S-15.
(2) One (1) Iso-hexane conversation system involving a rotocell condenser, a refrigerant type cooler with condenser and an additional cooling tower cell and pump, volatile organic compounds (VOC) emissions controlled by the mineral oil system and exhausted at stack point S-15.
(3) One (1) column grain dryer (EU-4) with column plate perforation less than or equal to 2.4 mm diameter (0.094 inch) with a maximum capacity of 7,500 bushels per hour (225 tons per hour) exhausted at stack point S-20.
(4) One (1) solvent/water separator with a maximum capacity of 600 gallons per minute, controlled by the mineral oil system and exhausted at stack point S-15.
(5) Five (5) sets of cracking rolls (EU-6) with a maximum capacity of 3,350 bushels per hour (100.5 tons per hour), controlled by bag house #3 and exhausted at stack point S-7.
(6) One (1) flaker aspiration system that collects and delivers dust from flakers (EU-11) to cyclone #4 and exhausted at stack point S-5.
(7) Three (3) dust collection systems for bag house #4 exhausting at stack point S-13; baghouse #3 exhausting at stack point S-7; and cyclone #4 exhausting at stack point S-5.
(8) One (1) FDS system cooler collector, exhausted at stack point S-22.
(9) Two (2) expanders (EU-12) with a maximum capacity of 833 bushels per hour (25 ton per hour), controlled by cyclone #4 and exhausted at stack point S-5.
(10) One (1) conveyor, DC400 with a maximum capacity of 3,350 bushels per hour, controlled by baghouse #3, and exhausted at stack point S-7.
(11) One (1) conveyor, DC409, with a maximum capacity of 3,350 bushels per hour, controlled by cyclone #4, exhausted at stack point S-5.
(12) Two (2) fully enclosed, sealed conveyors, DC412, and DC413, and DC seal screw with a maximum capacity of 3,350 bushels per hour.
(13) One (1) deaerator tank with a maximum capacity of 130 gallons per minute.
(14) One (1) rail soybean unloading system with a maximum unloading capacity of 20,000 bushels per hour; controlled by baghouse #10; and exhausted at stack point S-2.
(15) One (1) desolventizer/toaster (EU-16) with two integral meal dryers with a maximum capacity of 3,350 bushels per hour; controlled by the mineral oil system; and exhausted at stack points S-15, S-11 and S-12.
(16) One (1) meal cooler (EU-18) with a maximum capacity of 3,350 bushels per hour and exhausted at stack point S-21.
(17) One (1) meal dryer (EU-17) with a maximum capacity of 3,350 bushels per hour and exhausted at stack point S-25.
(18) Two (2) main transfer legs (north and south elevators).
(19) One (1) second stage rising film evaporator associated with the solvent extraction process (EU-13) with a maximum capacity of 20 tons of soybean oil per hour, controlled by the mineral oil system, and exhausted at stack point S-15.
(20) One (1) liquid brine tank.
(21) One (1) bean truck scale with an enlarged pit.

(22) One (1) mineral oil system with a maximum capacity of 150 pounds of hexane per hour, and exhausted at stack point S-15.
(23) One (1) final vent condenser with a maximum capacity of 1100 pounds of hexane per hour, and exhausted at stack point S-15.
(24) One (1) flaker (#2 Flaker) with a maximum capacity of 400 bushels per hour, controlled by cyclone #9, and exhausted at stack point S-5.
(25) One (1) hull grinder.
(26) One (1) pod grinder.

Permitted and Existing before December 3, 2001

(1) One (1) truck soybean receiving pit, maximum capacity of 25,000 bushels per hour, controlled by a receiving area baghouse #4, and exhausting at stack Pt # S-13.
(2) One (1) totally enclosed truck soybean receiving pit drag conveyor (DC-431), maximum capacity of 25,000 bushels per hour aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(3) One (1) totally enclosed soybean receiving pit drag conveyor (DC-432), maximum capacity of 25,000 bushels per hour aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(4) One (1) soybean receiving bucket elevator #301, maximum capacity of 25,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(5) Three (3) totally enclosed soybean drag conveyors (DC-441, 442, & 443) in series, maximum capacity of 25,000 bushels per hour, each aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(6) One (1) totally enclosed soybean drag conveyor (DC-434), maximum capacity of 25,000 bushels per hour aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(7) Four (4) steel soybean storage tanks, total capacity of 1,213,000 bushels.
(8) Two (2) totally enclosed soybean drag conveyors (DC-436, & 437) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(9) Two (2) totally enclosed soybean drag conveyors (DC-444, & 446) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(10) One (1) soybean transfer bucket elevator #303, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(11) One (1) Texas shaker #2 screener, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.
(12) One (1) weed seed Kice, maximum capacity of 150 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.
(13) One (1) Kice #1 screener, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #1, and exhausting at stack Pt # S-3.
(14) Two (2) totally enclosed soybean drag conveyors (DC-448, & 448A) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #1, and exhausting at stack Pt # S-3.
(15) One (1) totally enclosed soybean screw conveyor (SC212), maximum capacity of 150 bushels per hour.
(16) One (1) 29 MMBtu natural gas fired soybean column dryer, maximum capacity of 5000 bushels per hour and exhausting at stack Pt # S-20.
(17) Two (2) totally enclosed soybean drag conveyors (DC-449, & 450) in series, maximum capacity of 5,000 bushels per hour, each aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(18) One (1) dry soybean transfer bucket elevator #307, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(19) One (1) totally enclosed dry soybean drag conveyor (DC-453), maximum capacity of 5,000 bushels per hour, aspirated to baghouse #9, and exhausting at stack Pt # S-1.
(20) Eighteen (18) soybean bins (501, 502, 503, 506, 507, 508, 511, 512, 513, 516, 517, 518, 521, 522, 523, 526, 527, and 528), maximum total capacity of 261,000 bushels.

(21) Two (2) totally enclosed soybean drag conveyors (DC-454, & 447) in series, maximum capacity of 5,000 bushels per hour each, each aspirated to baghouse #10, and exhausting at stack Pt # S-2.
(22) One (1) dry soybean transfer bucket elevator #304, maximum capacity of 5,000 bushels per hour, controlled by a baghouse #10, and exhausting at stack Pt # S-2.
(23) One (1) totally enclosed dry soybean drag conveyor (DC-400A), maximum capacity of 5,000 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(24) One (1) soybean Thayer scale, maximum capacity of 5000 bushels per hour, controlled by a baghouse #3, and exhausting at stack Pt # S-7.
(25) Two (2) weed seed bins (#207 & 208).
(26) Two (2) totally enclosed soybean screw conveyors (SC 213 & 214), maximum capacity of 150 bushels per hour.
(27) One (1) totally enclosed soybean screw conveyor (SC 215), maximum capacity of 5000 bushels per hour.
(28) Three (3) totally enclosed soybean drag conveyors (DC-427, 428, & 429) in series, maximum capacity of 5,000 bushels per hour each.
(29) One (1) totally enclosed dry soybean drag conveyor (DC-400), maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(30) Five (5) soybean surge bins.
(31) Five (5) soybean cracking rolls.
(32) Two (2) totally enclosed cracked soybean drag conveyor (DC-401 & 403), maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(33) One (1) primary Kice #1, maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(34) Two (2) totally enclosed cracked soybean screw conveyors (SC-201 & 202), in series, maximum capacity of 3350 bushels per hour, aspirated to baghouse #3, and exhausting at stack Pt # S-7.
(35) One (1) triple S shaker, maximum capacity of 3350 bushels per hour, controlled by a baghouse #3, and exhausting at stack Pt # S-7.
(36) One (1) hull grinding, maximum capacity of 150 bushels per hour, controlled by a cyclone #3, and a baghouse #3, and exhausting at stack Pt # S-7.
(37) One (1) coarse cut aspiration, maximum capacity of 150 bushels per hour, controlled by a cyclone #1, and a baghouse #3, and exhausting at stack Pt # S-7.
(38) One (1) fine cut aspiration, maximum capacity of 150 bushels per hour, controlled by a cyclone #2, and a baghouse #3, and exhausting at stack Pt # S-7.
(39) One (1) rotary conditioner, maximum capacity of 3350 bushels per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(40) Four (4) totally enclosed conditioned soybean drag conveyor (DC-404, 405, 406 & 407), maximum capacity of 3350 bushels per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(41) Two (2) flaker banks #1 & 2, maximum capacity of 100.5 tons per hour each, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(42) Two (2) totally enclosed soybean flake screw conveyors (SC-206 & 207), maximum capacity of 100.5 tons per hour each, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(43) One (1) totally enclosed soybean flake drag conveyor (DC-409), maximum capacity 100.5 tons per hour, controlled by a cyclone #4, and exhausting at stack Pt # S-5.
(44) One (1) totally enclosed soybean flake drag conveyor (DC-410), maximum capacity of 100.5 tons per hour, and exhausting at steam vents.
(45) One (1) totally enclosed soybean flake drag conveyor (DC-411), maximum capacity of 100.5 tons per hour, and exhausting at safety vent.
(46) One (1) totally enclosed soybean flake screw conveyor (SC-209), maximum capacity of 100.5 tons per hour.
(47) One (1) dryer deck #1, maximum capacity of 100.5 tons per hour, controlled by a cyclone #6, and exhausting at stack Pt # S-11.
(48) One (1) dryer deck #2, maximum capacity of 100.5 tons per hour, controlled by a cyclone #7, and exhausting at stack Pt # S-12.

(49) One (1) totally enclosed soybean meal drag conveyor (DC-414), maximum capacity of 100.5 tons per hour.
(50) One (1) meal cooler #1, maximum capacity of 100.5 tons per hour, controlled by a cyclone #9, and exhausting at stack Pt # S-25.
(51) One (1) meal cooler #2, maximum capacity of 100.5 tons per hour, controlled by a cyclone #8, and exhausting at stack Pt # S-21.
(52) Two (2) totally enclosed soybean meal drag conveyors (DC 414A & 415), in series, maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(53) Three (3) meal sifters.
(54) One (1) totally enclosed oversized soybean meal drag conveyor (DC 416), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(55) One (1) totally enclosed soybean meal screw conveyor (SC 223), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(56) Three soybean meal grinders maximum total capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(57) One (1) totally enclosed soybean meal screw conveyor (SC 221), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(58) One (1) totally enclosed soybean meal drag conveyor (DC 417), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(59) One (1) dry soybean meal transfer bucket elevator (BE 300), maximum capacity of 100.5 tons per hour controlled by a baghouse #2, and exhausting at stack Pt # S-6.
(60) Two (2) totally enclosed dry soybean meal drag conveyors (DC 418 & 419), in series, maximum capacity of 100.5 tons per hour aspirated to a baghouse #2, and exhausting at stack Pt # S-6.
(61) One (1) truck soybean meal, and hull loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #5, and exhausting at stack Pt # S-14.
(62) One (1) rail soybean meal, and hull loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #5, and exhausting at stack Pt # S-14.
(63) One (1) pneumatic flake conveying system consisting of two material handling baghouses #6 and 7, maximum capacity of 31.5 tons per hour, and exhausting at stack Pts # S-22 and 23.
(64) One (1) pneumatic reject flake conveying system consisting of one baghouse #8, maximum capacity of 9 tons per hour, and exhausting at stack Pt # S-24.
(65) One (1) totally enclosed soybean flake screw conveyor, maximum capacity of 9 tons per hour (SC 218).
(66) Two (2) totally enclosed soybean flake drag conveyors (DC 461 & 462), in series, maximum capacity of 200 tons per hour.
(67) One (1) soybean flake loadout system, maximum capacity of 200 tons per hour controlled by a baghouse #7, and exhausting at stack Pt # S-23.
(68) One (1) pneumatic hull conveying system consisting of one material handling cyclone #3, maximum capacity of 4.5 tons per hour, and exhausting at stack Pts # S4.
(69) One (1) desolventizer toaster, maximum capacity of 100.5 tons per hour, controlled by a mineral oil absorber system.
(70) One (1) flake desolventizer system, maximum capacity of 100.5 tons per hour, controlled by a mineral oil absorber system.
(71) One (1) mineral oil absorber system.
(72) One (1) 48% meal tank.
(73) One (1) 44% meal tank.
(74) One (1) 75 MMBtu per hour natural gas fired boiler designated as S-17 with fuel oil #2, #4, #5, and #6 as available backup fuel oils.
(75) One (1) 60 MMBtu per hour natural gas fired boiler designated as S-16 with fuel oil #2, #4, #5, and #6 as available backup fuel oils.
(76) Two (2) hexane tanks #809 A & B vented to the process or vented through the flame arrester.
(77) Three (3) fuel oil storage tanks #860 A, B, and C, maximum capacity of 25000 gallons each.
(78) One (1) fuel oil storage tank #815, maximum capacity of 125000 gallons.

Facility Description: Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(1) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour.
(2) Propane or liquid petroleum gas, or butane fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.
(3) Combustion source flame safety purging on startup.
(4) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons.
(5) Vessels storing lubricating oils, hydraulic oils, and machining fluids.
(6) Cleaners and solvents characterized as follows:
  (A) Having a vapor pressure equal to or less than 2kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100^0F) or,
  (B) Having a vapor pressure equal to or less than 0.7kPa; 5mm Hg; or 0.1 psi measured at 20 degrees C (60^0F) or;
  The use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
(7) Closed loop heating and cooling systems.
(8) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
(9) Forced and induced draft cooling tower not regulated under a NESHAP.
(10) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
(11) Heat exchanger cleaning and repair.
(12) Process vessel degassing and cleaning to prepare for internal repairs.
(13) Asbestos abatement projects regulated by 326 IACC 14-10.
(14) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks temporary liquid separators, tanks, and fluid handling equipment.
(15) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.
(16) Stationary fire pumps. Purge double block and bleed valves.
(17) A laboratory as defined in 326 IAC 2-7-1(20(C).
(18) Other categories with emissions below insignificant thresholds:
  (A) Storage tanks emitting less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC.
    (i) Three (3) fuel oil storage tanks #860 A, B, and C, constructed in 1960, and maximum capacity of 25,000 gallons each.
    (ii) One (1) fuel oil storage tank #815, constructed in 1960, and maximum capacity of 125,000 gallons.

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

D.2.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

Pursuant to SSM157-11361-00038, issued on December 3, 2001,

(a) The soybean processed by the plant shall be limited to 821,250 tons per twelve- (12) consecutive month period, with compliance demonstrated at the end of each month.

(b) The soybean received by the dump bed trucks shall be limited to 82,125 tons per twelve- (12) -consecutive month period, with compliance demonstrated at the end of each month.

(c) The reject flakes loadout shall be limited to 2,400 tons per twelve (12)- consecutive month period, with compliance demonstrated at the end of each month.

(d) The following facilities' PM, and PM10 emissions rates shall be limited as follows:

Facility	Control	Air Flow Rate Limit (dscfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Grain receiving system	Baghouse #4	12,275	0.005	0.526	0.526
Grain storage loading		infinite	0.01	15.0	8.36
Grain storage unloading	Baghouse #10	20,500	0.006	1.05	1.05
Bean screener	Baghouse #1	14,000	0.0033	0.136	0.4
Grain dryer		-	-	49.5	12.4
Grain tanks and silos loading		-	-	3.05	1.72
Grain tanks and silos unloading	Baghouse #9	16,200	0.006	0.833	0.833
Soybean cracking & hulling system	Baghouse #3	16,000	0.005	0.137	0.137
Soybean flaking	Cyclone #4	7,600	0.0058	0.378	0.378
Hull transfer		320	0.01	0.027	0.027
DTDC meal dryers	Cyclones #6 & 7	12,500	0.0061	0.654	0.654
Meal coolers	Cyclones #8 & 9	15,400	0.01	1.32	1.32
Meal sizing and grinding	Baghouse #2	14,000	0.007	0.84	0.84
FDS cooler collector	Baghouse #6	22,000	0.008	1.51	1.51
Meal and hull loadout	Baghouse #5	16,000	0.004	0.549	0.549
Flake loadout	Baghouse #7	10,000	0.004	0.343	0.343
Reject flake storage Based on 2400 tons of reject flake loadout	Baghouse #8	3,000	0.013	0.334	0.334
Hull blend back		320	0.01	0.027	0.027

Facility	Control	Air Flow Rate Limit (dscfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Boiler no. 1 and 2		794.13 Million cubic feet of natural gas or equivalent		3.02 tons per year	3.02 tons per year

This soybean limitation is required to limit the potential to emit of PM, and PM10 emissions of 140.2 and 70.3 tons per year, respectively.

Compliance with these limits makes 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21 not applicable for PM and PM10 emissions.

This will also satisfy the rule 326 IAC 6-3-2.

D.2.2 326 IAC 12 and 40 CFR 60, Subpart DD (New Source Performance Standards for Grain Elevators)

Pursuant to 326 IAC 12 and 40 CFR 60, Subpart DD, on and after the date on which the performance test required to be conducted by 40 CFR Part 60.80 is completed, no gases from the following operations:

(a) the grain receiving system baghouse (#4);

(b) the grain storage silos vents;

(c) the grain storage unloading baghouse (#10); and

(d) the grain silo unloading baghouse (#9)

shall be discharged into the atmosphere, which

(1) contain particulate matter in excess of 0.01 grains per dscf, and

(2) exhibit greater than 0 percent opacity.

D.2.3 326 IAC 12 and 40 CFR 60 Subpart DD 60.302(c)

Pursuant to 40 CFR 60 Subpart DD 60.302(c), and 326 IAC 12, no fugitive emissions from the truck unloading station, and grain handling operations shall exhibit greater than 5 percent, and 0 percent opacity, respectively.

D.2.4 Best Available Control Technology (BACT) [326 IAC 2-2-3] [40 CFR 52.21] [326 IAC 8-1-6]

Pursuant to 326 IAC 2-2-3 (BACT Requirements) as determined in SSM 157-11361-00038, the Permittee shall control volatile organic compound (VOC) emissions from the conventional and the specialty soybean oil extraction processes as follows:

(a)	Facility	Control	VOC (Hexane) Emission Limit
	Oil extractor	Mineral oil absorber system	0.012 gal/ton soybean

Meal dryers	None	0.0042 gal/ton soybean
Meal cooler	None	0.0 gal/ton soybean
FDS Cooler collector	None	0.391 gal/ton soybean
Whole soybean extraction plant		0.503 gals/ton soybean processed
Maximum annual soybean process throughput		821,250 tons

(b) BACT for fugitive hexane loss shall include an annual leak check in accordance with Cargill's standard operating procedures accompanied by continuos monitoring of the process area by flammable gas monitors. The leak check shall be conducted in conjunction with the annual maintenance shutdown of the facility.

For emergency repairs and/or maintenance completed between annual maintenance shutdowns, a leak check shall be completed on the affected system before hexane is reintroduced into the system. Any leaks detected shall be repaired prior to introducing hexane into the system.

(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 the Compliance Branch, Office of Air Quality, 100 North Senate Avenue, P. O. Box 6015, Indianapolis, Indiana 46206-6015 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

D.2.5 General Provisions Relating to NESHAP [40 CFR 60, Subpart GGGG 63.2850]

The provisions of 40 CFR 63.2850 (a) - General Provisions apply to the facility described in this section.

D.2.6 HAP Emissions from Solvent Extraction for Vegetable Oil Production NESHAP [40 CFR 60, Subpart GGGG 63.2840]

(a) The conventional soybean process is subject to 40 CFR 63.2840 with a compliance date of three years after April 12, 2001, the effective date of the rule. The solvent (hexane) loss from the conventional soybean process shall not exceed 0.2 gallons per ton of soybeans processed.

(b) The specialty soybean process is subject to 40 CFR 63.2840 upon startup. The solvent (hexane) loss from the specialty soybean process shall not exceed 1.5 gallons per ton of soybeans processed.

D.2.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.2.8 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

During the period between 6 and 36 months after issuance of this permit, in order to demonstrate compliance with Condition D.2.1, D.2.2, and D.2.4 the Permittee shall perform PM, PM-10, and VOC testing for the facilities shown below utilizing methods as approved by the Commissioner. This test 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.

(a)

Facilities	Pollutant/Opacity
Receiving area baghouse (#4)	PM/PM10/Opacity
Receiving area baghouse (#10)	PM/PM10/Opacity
Storage tank area baghouse (#9)	PM/PM10/Opacity
Screening area baghouse (#1)	PM/PM10/Opacity

(b) Cargill, Inc. shall develop a representative stack testing plan which identifies the method in which emissions from the following sources shall be evaluated to determine compliance with Condition No. D.2.1, D.2.2 and D.2.4 within 6 months after issuance of this Part 70 permit. Cargill, Inc. shall submit the stack testing plan for review and approval by IDEM. Cargill, Inc will implement the plan after approval by IDEM. The facilities listed in condition D.2.8(a) above may be proposed as representative facilities.

Cracking system bag house (#3)	PM, PM10
Flaking Cyclone #4	PM, PM10
Mineral oil absorber	VOC, Mineral oil flow rate
DTDC meal dryer (Cyclones #6 and #7)	PM, PM10, VOC
DTDC meal coolers (Cyclones #8 and #9)	PM, PM10
Flake loadout (Baghouse #7)	PM, PM10
Meal sizing and screening (Baghouse #2)	PM, PM10
Truck/rail, meal/hull load out (Baghouse #5)	PM, PM10

(c) 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 corrective actions shall be implemented immediately unless notified by OAQ that they are unacceptable. The Permittee shall take reasonable steps to minimize emissions while the corrective actions are being implemented.

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

D.2.9 VOC (BACT) Compliance [326 IAC 2-2, and 40 CFR 52.21]

Compliance with Condition D.2.4 shall be demonstrated within 30 days of the end of each month by determining the average of twelve (12) consecutive month period of the followings:

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

(b) The amounts of soybean processed by the conventional and specialty processes.

(c) The gallons of hexane used per ton of soybean processed by the conventional and specialty processes.

D.2.10 HAP (MACT) Compliance [[40 CFR 60, Subpart GGGG]

Compliance with Condition D.2.6 shall be demonstrated in the following manner:

(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]/

$$0.64[\{(\text{Soybean processed})_C * (SLF_C)\} + \{(\text{Soybean processed})_S * (SLF_S)\}] \quad \text{(Eq. 2)}$$

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

SLF_S = 1.5 gals/ton (for new source, specialty soybean process) as listed in Table 1 of 40 CFR 63.2840

SLF_C = 0.2 gals/ton (for existing source, conventional soybean process) 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 was in compliance with 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 data necessary for demonstrating compliance with this subpart.

(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.2.11 Particulate Matter (PM) and Particulate Matter 10 (PM10)

In order to comply with Conditions D.2.1, D.2.2 and D.2.3, the baghouses and cyclones shall be in operation and control emissions from the associated facilities at all times when the associated facilities are in operation.

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

D.2.12 Visible Emissions Notations

(a) Visible emission notations of the stack exhaust S-13, S-2, S-1, S-3, S-20, S-7, S-5, S-11, S-12, S-21, S-25, S-6, S-14, S-4, S-8, S-22, S-23, and S-24 shall be performed once per shift 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) 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 violation of this permit.

D.2.13 Parametric Monitoring

The Permittee shall record the total static pressure drop across the bag houses used in conjunction with the processes, at least once per shift when the processes are in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 0.5 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above-mentioned range for any one reading. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. 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.

D.2.14 Bag house Inspections

An inspection shall be performed once each year of all bags controlling the processes. All defective bags shall be replaced.

D.2.15 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 B- 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 accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

(b) For single compartment bag houses, 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).

D.2.16 Cyclone Inspections

An inspection shall be performed once each year of all cyclones controlling the processes.

D.2.17 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 - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

D.2.18 Mineral Oil Absorber

(a) The absorber shall operate 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) compliance test.

(b) 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.

(c) The instruments used for determining the flow rate shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

(d) 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 $\pm$ 10% of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.

(e) In the event that a 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.

(f) The operating temperatures of the mineral oil absorber will be established in the Compliance Monitoring Plan. When the process is in operation, an electronic data management system (EDMS) will record the instantaneous temperature on a frequency of not less that every two hours. As an alternate to installing an EDMS, manual readings shall be taken every two hours.

(g) The mineral oil to the mineral-oil-stripping column shall be kept at a minimum of 180^0F 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 alternate to installing an EDMS, manual readings shall be taken every two hours.

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

D.2.19 Record Keeping Requirements

(a) In order to comply with operation condition nos. D.2.1, D.2.2, and D.2.3 the Permittee shall maintain records of the followings:

(1) visible emission notations of the facilities stack exhaust once per shift required under Condition D.2.12.

(2) per shift records of total static pressure drop across the bag houses during normal operation required under Condition D.2.13.

(3) the results of the inspections required under Condition D.2.14 and D.1.16.

(b) To document compliance with Condition D.2.4(a), the Permittee shall maintain records of the followings as required under Conditions D.2.9 and D.2.18:

(1) The amount of VOC (hexane) used per calendar month

(2) The amounts of soybean processed by the conventional and specialty processes

(3) The gallons of hexane used per ton of soybean processed by the conventional and specialty processes

(4) The daily record of the mineral oil flow rate

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

(6) The operating temperatures of the mineral oil absorber

(7) The temperature of the mineral oil stripping column

(c) To document compliance with Condition D.2.4(b),

(1) The Permittee shall maintain records of the following to verify compliance with the enhanced inspection, maintenance, and repair program.

(A) Equipment inspected;

(B) Date of inspection; and

(C) Determination of whether a leak was detected.

(2) If a leak is detected, the Permittee shall record the following information to verify compliance with the enhanced inspection, maintenance, and repair program.

(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.

(d) To document compliance with Condition D.2.6, the Permittee shall maintain records of the followings:

(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 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), record the items in 40 CFR 63286(e)(1) through (3).

(4) The Permittee shall keep the compliance plan and SSM plan on-site and readily available as long as the source is operational.

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

D.2.20 Reporting Requirements

(a) A quarterly summary of the information to document compliance with Condition D.2.1 (a), (b), (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 compliance 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).

(1) The HAP content of commercial grade hexane.

(2) The maximum amount of soybean process throughput.

(3) The amount of n-hexane loss when using commercial grade hexane.

(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).

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(1) One (1) fuel oil/natural gas-fired boiler, Model no. VLP, Erie City Iron Works, identified as Boiler #1, constructed in 1955, with a heat input capacity of 60.0 MMBtu per hour, and exhausting to stack S-16.
(2) One (1) fuel oil/natural gas-fired boiler, Model no. NS-C-57, Nebraska Boiler Company, identified as Boiler #2, constructed in 1996, with a heat input capacity of 75.0 MMBtu per hour, and exhausting to stack S-17.

(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 Particulate Matter Emissions [326 IAC 6-2-3][326 IAC 6-2-4]

(a) Pursuant to 326 IAC 6-2-3(d) (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from Boiler no. 1 shall be limited to 0.447 pounds per MMBtu heat input.

(b) Pursuant to CP 157-5397, and 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from Boiler no. 2 shall be limited to 0.304 pounds per MMBtu heat input.

D.3.2 Opacity Limitation [326 IAC 12][40 CFR 60 Subpart Dc]

Pursuant to CP 157-5397, 326 IAC 12 and 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units), the opacity from the 75 million Btu/hr Boiler no. 2 shall be limited to 20% (6 minute average) except for one 6 minute period per hour of not more than 27 percent opacity except during periods of startup. Shutdown, or malfunction. [40 CFR 60.43c]

D.3.3 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

(a) The input of fuel oil no.2 and no. 2 equivalents to the boiler identified as Boiler no. 2 rated at maximum capacity of 75 million British thermal units per hour (MMBtu/hr) and the boiler identified as Boiler no.1 rated at maximum capacity of 60 million British thermal units per hour (MMBtu/hr) shall be limited to 1042 and 102 Kgal measured as no. 2 fuel oil per twelve (12)- consecutive month period, with compliance demonstrated at the end of each month, respectively. For compliance purposes, the following equivalencies shall be used.

1Kgal of no. 4 fuel oil	= 1.00 Kgal of no.2 fuel oil
1Kgal of no. 5 fuel oil	= 1.16 Kgal of 2 fuel oil
1Kgal of no. 6 fuel oil	= 1.16 Kgal of no.2 fuel oil

This usage limit is equivalent to a potential to emit of 39.0 tons of sulfur dioxide per year.

(b) The input of natural gas and natural gas equivalents to the Boiler no. 2 rated at a maximum capacity of 75 million British thermal units per hour (MMBtu/hr) and Boiler no. 1 rated at maximum capacity of 60 million British thermal units per hour (MMBtu/hr) shall be limited to 657 MMCF and 314 MMCF of natural gas per twelve (12)- consecutive month period, with compliance demonstrated at the end of each month, respectively.

Pursuant to D.1.1 and D.2.2, the combined input of natural gas and natural gas equivalents to the Boiler no. 2 and Boiler no. 1 shall be limited to 794 MMCF of natural

gas per twelve (12)- consecutive month period, with compliance demonstrated at the end of each month.

For compliance purposes, the following equivalencies shall be used.

1Kgal of no. 2 fuel oil = 0.143 MMCF of natural gas
1Kgal of no. 4 fuel oil = 0.143 MMCF of natural gas
1Kgal of no. 5 fuel oil = 0.393 MMCF of natural gas
1Kgal of no. 6 fuel oil = 0.393 MMCF of natural gas

This usage limit is required to limit the potential to emit of nitrogen oxides to less than 46 and 22 tons per year at the boilers identified as Boiler no. 2 and Boiler no. 1.

This usage limit is equivalent to a potential to emit of 39.0 tons of nitrogen dioxide per year.

Compliance with Conditions (a) and (b) makes the Prevention of Significant Deterioration (PSD) rules (326 IAC 2-2) and 40 CFR 52.21 not applicable.

D.3.4 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1] [326 IAC 7-1.1-2] [326 IAC 12-1][40 CFR 60,Subpart Dc]

(a) Pursuant to 326 IAC 7-1.2 (SO_2 Emissions Limitations):

(1) The SO_2 emissions from the sixty (60) MMBtu per hour boiler no.1 shall not exceed five tenths (0.5) pounds per million Btu heat input, when combusting the distillate fuel oil; and

(2) The SO_2 emissions from the sixty (60) MMBtu per hour Boiler no.1 shall not exceed one and sixth tenths (1.6) pounds per million Btu heat input, when combusting the residual fuel oil.

(b) Pursuant to CP 157-5397, 326 IAC 7-1.1 (SO_2 Emissions Limitations), 326 IAC 12, and 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units):

(1) The SO_2 emissions from the seventy five (75) MMBtu per hour 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.

(3) The SO_2 emission limits and fuel oil sulfur limits apply at all times, including periods of startup, shutdown, and malfunction.

D.3.5 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 boilers.

Compliance Determination Requirements

D.3.6 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.3.4 shall be determined utilizing one of the following options:

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions from Boiler no. 1 do not exceed five-tenths (0.5) pound per million Btu heat input by:

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

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

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

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

(b) Pursuant to 326 IAC 12, and 40 CFR 60.44c(b), (d), and (g) the Permittee shall demonstrate that the sulfur dioxide emissions from Boiler no. 2, when burning oil, do not exceed five-tenths (0.5) pound per million Btu heat input using a 30 days average by:

(1) Computing 30-day average by continuous emission monitoring system (CEMS).

Or

(2) Method 19 to calculate when using daily fuel sampling or Method 6B;

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

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

(c) Pursuant to 326 IAC 12, and 40 CFR 60.44c(h), the Permittee may demonstrate compliance with the SO_2 standard from boiler no. 2, when burning distillate oil, by providing vendor analysis of fuel delivered, if accompanied by a vendor certification.

(d) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the boiler nos. 1 and 2 using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a), (b), (c), and (d) above shall not be refuted by evidence of compliance pursuant to the other method.

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

D.3.7 SO_2 Monitoring [326 IAC 12][40 CFR 60.46c(a), (b), (c), and (d)]

Cargill, Inc. shall do one of the following methods to comply with condition no. 6(b):

(a) install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) for measuring SO_2 concentrations and either oxygen or carbon dioxide concentrations at the outlet of the steam generating unit (Boiler no. 2) and record the output of the system when combusting residual oil; or

(b) as an alternative to operating a CEMS at the outlet of the steam generating unit (Boiler no. 2), the Permittee may elect to determine the average SO_2 emission rate from Boiler no. 2 by using Method 6, when combusting residual fuel oil. The fuel sampling shall be performed as follows:

(1) The oil samples shall be collected daily in an as fired condition at the inlet to the steam generating unit and analyzed for sulfur content and heat content according to the Method 19.

(2) The oil samples shall be collected from the fuel tank for Boiler no. 2 immediately after the fuel tank is filled and before any oil is combusted. The Permittee shall analyze the oil sample to determine the sulfur content of the oil. If a partially empty fuel tank is refilled, a new sample and analysis of the fuel in the tank shall be performed upon filling.

(c) The Permittee shall collect oil samples daily in an as fired condition at the inlet to the steam generating unit and analyze for sulfur content and heat content according to the Method 19, when the COMS is down for maintenance or under breakdown.

(d) 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 violation of this permit.

D.3.8 Continuous Opacity Monitoring System (COMS) [40 CFR 60.47c(a)]

(a) Prior to combusting residual fuel oil (fuel oil #4, #5, or #6) in Boiler no. 2, the Permittee shall install, calibrate, maintain, and operate a COMS for measuring the opacity of the emissions from Boiler no. 2 discharged to the atmosphere and record the output of the system when combusting residual fuel oil.

(b) The Permittee shall perform visible emission notations of the Boiler no. 2 stack exhaust once per shift during normal daylight operations, when the COMS is down for maintenance or under breakdown.

(c) The Compliance Response Plan for this COMS 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 violation of this permit.

D.3.9 Visible Emissions Notations

(a) The Permittee shall perform visible emission notations of the Boiler no. 1 stack exhaust once per shift during normal daylight operations, when combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(b) The Permittee shall perform visible emission notations of the Boiler no. 2 stack exhaust once per shift during normal daylight operations, when combusting distillate fuel oil; or when the COMS is down for maintenance or under breakdown.

A trained employee shall record whether emissions are normal or abnormal.

(c) 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.

(d) 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.

(e) 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.

(f) 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 violation of this permit.

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

D.3.10 Record Keeping Requirements

(a) To document compliance with condition D.3.4 (b), the Permittee shall keep record of each 30 day average SO_2 emission rate (lb/million Btu) or 30 day average sulfur content (weight percent) of Boiler no. 2, calculated during the reporting period, ending with the last 30- day period; reasons for any non compliance with the emission standards; and a description of corrective actions taken.

(b) To document compliance with condition D.3.7 (a), the Permittee shall record the output of the continuous emission monitoring system (CEMS) for measuring SO_2 concentrations.

Or

(c) To document compliance with condition D.3.7 (b), the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO_2 emission limit established in Conditions D.3.4. 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.

(4) If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(A) Fuel supplier certifications;

(B) The name of the fuel supplier; and

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

(d) To document compliance with condition D.3.8, the Permittee shall record the output of the continuous emission monitoring system (COMS) for measuring opacity on a six (6) minute average basis, when burning residual fuel oil.

(e) To document compliance with Condition D.3.9 (a) and (b), the Permittee shall maintain record of visible emission notations of the Boiler no. 1 and 2 stack exhaust while combusting fuel oils, and distillate oil respectively.

(f) To document compliance with condition D.3.3, the Permittee shall maintain the record of all the fuels burned in Boiler nos. 1 and 2.

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

D.3.11 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 quarterly summary of condition no. 3.3 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.

(d) A summary of condition no. 3.10 (a), (b), (c), and (e) for Boiler no. 2 only, 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. The report submitted by the Permittee does require the certification by the responsible official as defined by 326 IAC 2-7-1(34). The Permittee shall submit excess emission reports for any excess emissions from the Boiler no. 2, when burning residual fuel oil, during the reporting period.

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(1) Paved and unpaved roads and parking lots with public access.[6-5-4]

(2) Other categories with emissions below significant thresholds:
(A) Storage tanks emitting less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC.

(i) Two (2) hexane tanks #809 A & B, constructed in 1991and 2002, and maximum capacity of 19,000 and 20,000 gallons, respectively and vented to the process or vented through the flame arrester.[326 IAC 12, and 40 CFR 60.112b(a)]

(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)]

Paved and unpaved roads and parking lots with public access. [6-5-4]

D.4.1 Fugitive Dust Emissions [326 IAC 6-4-2]

Pursuant to 326 IAC 6-4-2 (Fugitive Dust Emission Limitation), the fugitive dust shall not be visible crossing the boundary or property line of a source.

Hexane Storage Tanks

D.4.2 The storage vessels shall be vented to the solvent recovery system in the extraction process or vented through the flame arrester.

Compliance Determination Requirements

D.4.3 Control Measures

Fugitive particulate matter emissions resulting from paved roads, unpaved roads and parking lots shall be controlled by using one or more of the following measures:

(a) Paved roads and parking lots:

(1) Cleaning by sweeping.

(2) Flushing.

(3) An equivalent alternate measure.

(b) Unpaved roads and parking lots:

(1) Paving with a material such as asphalt or concrete.

(2) Treating with a suitable and effective oil or chemical dust suppressant approved by the commissioner. The frequency shall be as on a needed basis.

(3) Spraying with water, the frequency of application shall be on a needed basis.

(4) Double chip and seal the road surface and maintain on an as needed basis.

(5) An equivalent alternate measures.

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

D.4.4 Record Keeping Requirements

Pursuant to 40 CFR 60.116b, the Permittee shall keep records showing the dimension of the storage vessels and an analysis showing the dimension and the capacity of the storage vessels for the life of the source.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038

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
P.O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038

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

	This is an emergency as defined in 326 IAC 2-7-1(12)
☐	The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
☐	The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), 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: PM, 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: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038

☐	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 Semi Annual Report

Source Name: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038
Facility: Boiler No. 2 (Capacity 75 million Btu per hour)
Parameter: SO_2
Limit: 0.5 lbs/MMBtu sulfur dioxide for distillate and residual fuel oil rolled on 30 days average.

Month: _____ **Year:** _____

Day	Type Fuel Combusted	Sulfur dioxide (this Day)	Sulfur dioxide (for the last 29 days)	Sulfur dioxide Avg. (for the last 30 days)	Day	Type Fuel Combusted	Sulfur dioxide (this Day)	Sulfur dioxide (for the last 29 days)	Sulfur dioxide Avg. (for the last 30 days)
1					17				
2					18				
3					19				
4					20				
5					21				
6					22				
7					23				
8					24				
9					25				
10					26				
11					27				
12					28				
13					29				
14					30				
15					31				
16					no. of deviations				

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on:

Comments for Noncompliance:_____

Corrective Action Taken:_____

Method of Determining Sulfur Content:_____

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 Semi Annual Report

Source Name: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038
Facility: Boiler No. 2 (Capacity 75 million Btu per hour)
Parameter: SO_2
Limit: 0.5% sulfur by weight for distillate and residual fuel oil rolled on 30 days average.

Month: _____ **Year:** _____

Day	Type Fuel Combusted	Wt. % Sulfur (this Day)	Wt. % Sulfur (for the last 29 days)	Wt. % Sulfur Avg. (for the last 30 days)	Day	Type Fuel Combusted	Wt. % Sulfur (this Day)	Wt. % Sulfur (for the last 29 days)	Wt. % Sulfur Avg. (for the last 30 days)
1					17				
2					18				
3					19				
4					20				
5					21				
6					22				
7					23				
8					24				
9					25				
10					26				
11					27				
12					28				
13					29				
14					30				
15					31				
16					no. of deviations				

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on:

Comments for Noncompliance:_____

Corrective Action Taken:_____

Method of Determining Sulfur Content:_____

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: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038
Facility: Boiler no. 2 (75 MMBTU/HR)
Pollutant: SO_2
Limit: 1042 Kgal as no. 2 fuel oil per twelve (12)- consecutive months

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Total fuel usage as No. 2 fuel oil (Kgal) This Month	Total fuel usage as No. 2 fuel oil (Kgal) Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

Conversion:

1.00 Kgal no. 4 fuel oil	=	1.00 Kgal no. 2 fuel oil
1.00 Kgal no. 5 fuel oil	=	1.16 Kgal no. 2 fuel oil
1.00 Kgal no. 6 fuel oil	=	1.16 Kgal no. 2 fuel oil

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: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038
Facility: Boiler No. 1(60 MMBTU/HR)
Pollutant: SO_2
Limit: 102 Kgal as no. 2 fuel oil per twelve (12)- consecutive months

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Total fuel usage as No. 2 fuel oil (Kgal) This Month	Total fuel usage as No. 2 fuel oil (Kgal) Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

Conversion:			
	1.00 Kgal no. 4 fuel oil	=	1.00 Kgal no. 2 fuel oil
	1.00 Kgal no. 5 fuel oil	=	1.16 Kgal no. 2 fuel oil
	1.00 Kgal no. 6 fuel oil	=	1.16 Kgal no. 2 fuel oil

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: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038
Facility: Boiler no. 2 (75 MMBTU/HR)
Pollutant: NOx
Limit: 657 MMCF per twelve (12)- consecutive month (46 tons of NOx per year)

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Total Natural Gas usage (MMCF) This Month	Total Natural Gas usage (MMCF) Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

Conversion:

1.00 Kgal no. 2 fuel oil	=	0.143 MMCF natural gas
1.00 Kgal no. 4 fuel oil	=	0.143 MMCF natural gas
1.00 Kgal no. 5 fuel oil	=	0.393 MMCF natural gas
1.00 Kgal no. 6 fuel oil	=	0.393 MMCF natural gas

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: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038
Facility: Boiler no. 1(60 MMBTU/HR)
Pollutant: NOx
Limit: 314 MMCF per 12- consecutive month (22 tons of NOx per year)

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Total Natural Gas usage (MMCF) This Month	Total Natural Gas usage (MMCF) Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

Conversion:

1.00 Kgal no. 2 fuel oil	=	0.143 MMCF natural gas
1.00 Kgal no. 4 fuel oil	=	0.143 MMCF natural gas
1.00 Kgal no. 5 fuel oil	=	0.393 MMCF natural gas
1.00 Kgal no. 6 fuel oil	=	0.393 MMCF natural gas

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: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038
Facility: Boiler no. 1(60 MMBTU/HR) and Boiler no. 2 (75 MMBTU/HR)
Pollutant: PM and PM10
Limit: 794.13MMCF of natural gas per 12- consecutive month (3.02 tons of PM or PM10 per year each)

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Total Natural Gas usage (MMCF) This Month	Total Natural Gas usage (MMCF) Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

Conversion:

1.00 Kgal no. 2 fuel oil	=	0.434 MMCF natural gas
1.00 Kgal no. 4 fuel oil	=	1.12 MMCF natural gas
1.00 Kgal no. 5 fuel oil	=	[{9.19(S)+4.72}/7.6] MMCF natural gas
1.00 Kgal no. 6 fuel oil	=	1.513 MMCF natural gas

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: Cargill, Inc.
Source Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Mailing Address: 1503 Wabash Ave., Lafayette, IN 47905-1039
Part 70 Permit No.: T157-5863-00038

Months: _____ to _____ Year: _____

Page 1 of 2

This report is an affirmation that the source has met all the requirements stated in this permit. 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. 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

Technical Support Document (TSD) for a Significant Permit Modification to a Part 70 Operating Permit

Source Background and Description

Source Name:	Cargill, Inc.
Source Location:	1503 Wabash Avenue, Lafayette, Indiana 47905
County:	Tippecanoe
SIC Code:	2075
Operation Permit No.:	T157-5863-00038
Operation Permit Issuance Date:	May 29, 2003
Permit Modification No.:	157-19644-00038
Permit Reviewer:	ERG/YC

The Office of Air Quality (OAQ) has reviewed a modification application from Cargill, Inc. relating to the emission limits for baghouse #1, which is used to control the existing bean handling operations.

Explanation of Modification

Cargill, Inc. is an existing soybean oil extraction plant and an existing PSD major source. Their Title V permit (T157-5863-00038) was issued on May 29, 2003. In 2002, the source conducted a major modification that was permitted in SSM #157-11361-00038, issued on December 3, 2001. The net PM10 emission increase from this modification was limited to less than 10.8 tons/yr, which is less than 15 tons/yr. Therefore, the requirements of 326 IAC 2-2 (PSD) were not applicable to the modification in 2001 for PM10 emissions.

Pursuant to SSM #157-11361-00038, the existing baghouse #1, which is used to control the Texas shaker #2 screener, the weed seed Kice, the Kice #1 screener, and two (2) enclosed soybean drag conveyors (DC-448 and 448A), shall comply with the following limitations:

Air Flow Rate (dscf)	Grain Loading (gr/dscf)	PM Limit (lbs/hr)	PM10 Limit (lbs/hr)
11,000	0.00144	0.136	0.136

According to the stack tests performed on August 11 and 16, 2003, the source failed to demonstrate compliance with the PM10 emisson limit for this baghouse. In April 2004, as part of the corrective action taken to rectify this situation, baghouse #1 was replaced with a new baghouse with a greater air flow rate. The source performed another stack test in May 2004 for the replaced new baghouse. The stack results in 2004 show that the emissions from the new baghouse were 0.0007 lbs/hr for PM and 0.357 lbs/hr for PM10. Therefore, the PM10 emissions from the new baghouse still exceeded the existing PM10 emission limit.

The source does not believe that additional physical changes will result in a reduction in the amount of condensable PM10 emissions emitted from baghouse #1. The source stated that the current PM10 limit was set based on the best available information and engineering judgement. The condensible PM10 emissions may come from the mineral oil (for fugitive PM/PM10 control) on the grain purchased.

On July 2, 2004, the source submitted an application to OAQ requesting a revision to the existing limits for baghouse #1. The proposed limitations for this baghouse are listed in the table below:

Air Flow Rate (dscf)	Grain Loading (gr/dscf)	PM Limit (lbs/hr)	PM10 Limit (lbs/hr)
~~11,000~~ **14,000**	~~0.00144~~ **0.0033**	0.136	~~0.136~~ **0.40**

The proposed new limits will result in an increase of the PTE of PM10 for the units controlled by baghouse #1. The PTE of these units will be increased by 0.4 lbs/hr – 0.136 lbs/hr = 0.264 lbs/hr, which is equivalent to 1.16 tons/yr. According to the TSD for SSM #157-11361-00038, issued on December 3, 2001, the net PM10 emission increase from the modification, which was permitted in SSM #157-11361-00038, was limited to less than 10.8 tons/yr. With the proposed new PM10 emission limit for baghouse #1, the net PM10 emission increase from this modification will be limited to 10.8 tons/yr + 1.16 tons/yr = 12.0 tons/yr.

Since the net PM10 emission increase for the modification permitted in SSM #157-11361-00038 will still be less than 15 tons/yr, the revised PM10 limit will not change the permitting level for SSM #157-11361-00038. In addition, this change will not affect other existing limitations. Therefore, Conditions D.1.1(d) and D.2.1(d) in the source's Title V permit have been revised to reflect the proposed limits for baghouse #1.

Justification for the Modification

This modification is being performed through a Part 70 Significant Permit Modification pursuant to 326 IAC 2-7-12(d) because this is a modification that changes a case-by-case determination of an emission limit.

Recommendation

The staff recommends to the Commissioner that the 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 application and additional information submitted by the applicant.

An application for the purposes of this review was received on July 2, 2005. Additional information was received on August 2, 2004.

Proposed Changes

Bold language has been added, language with a line through it has been deleted.

D.1.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

Pursuant to SSM157-11361-00038, issued on December 3, 2001,

. . . .

Facility	Control	Air Flow Rate Limit (dscfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Grain receiving system	Baghouse #4	12,275	0.005	0.526	0.526
Grain storage loading		infinite	0.01	15.0	8.36
Grain storage unloading	Baghouse #10	20,500	0.006	1.05	1.05

Facility	Control	Air Flow Rate Limit (dscfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Bean screener	Baghouse #1	~~11,000~~ **14,000**	~~0.00144~~ **0.0033**	0.136	~~0.136~~ **0.4**
Grain dryer		-	-	49.5	12.4
Grain tanks and silos loading		-	-	3.05	1.72
Grain tanks and silos unloading	Baghouse #9	16,200	0.006	0.833	0.833
Soybean cracking & hulling system	Baghouse #3	16,000	0.005	0.137	0.137
Soybean flaking	Cyclone #4	7,600	0.0058	0.378	0.378
Hull transfer		320	0.01	0.027	0.027
DTDC meal dryers	Cyclones #6 & 7	12,500	0.0061	0.654	0.654
Meal coolers	Cyclones #8 & 9	15,400	0.01	1.32	1.32
Meal sizing and grinding	Baghouse #2	14,000	0.007	0.84	0.84
FDS cooler collector	Baghouse #6	22,000	0.008	1.51	1.51
Meal and hull loadout	Baghouse #5	16,000	0.004	0.549	0.549
Flake loadout	Baghouse #7	10,000	0.004	0.343	0.343
Reject flake storage Based on 2400 tons of reject flake loadout	Baghouse #8	3,000	0.013	0.334	0.334
Hull blend back		320	0.01	0.027	0.027
Boiler no. 1 and 2		794.13 Million cubic feet of natural gas or equivalent		3.02 tons per year	3.02 tons per year

This soybean limitation is required to limit the potential to emit of PM, and PM10 emissions of 140.2 and ~~69.1~~**70.3** tons per year, respectively.

. . .

D.2.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

. . . . .

Facility	Control	Air Flow Rate Limit (dscfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Grain receiving system	Baghouse #4	12,275	0.005	0.526	0.526
Grain storage loading		infinite	0.01	15.0	8.36
Grain storage unloading	Baghouse #10	20,500	0.006	1.05	1.05
Bean screener	Baghouse #1	~~11,000~~ **14,000**	~~0.00144~~ **0.0033**	0.136	~~0.136~~**0.4**
Grain dryer		-	-	49.5	12.4
Grain tanks and silos loading		-	-	3.05	1.72
Grain tanks and silos unloading	Baghouse #9	16,200	0.006	0.833	0.833
Soybean cracking & hulling system	Baghouse #3	16,000	0.005	0.137	0.137
Soybean flaking	Cyclone #4	7,600	0.0058	0.378	0.378
Hull transfer		320	0.01	0.027	0.027
DTDC meal dryers	Cyclones #6 & 7	12,500	0.0061	0.654	0.654
Meal coolers	Cyclones #8 & 9	15,400	0.01	1.32	1.32
Meal sizing and grinding	Baghouse #2	14,000	0.007	0.84	0.84
FDS cooler collector	Baghouse #6	22,000	0.008	1.51	1.51
Meal and hull loadout	Baghouse #5	16,000	0.004	0.549	0.549
Flake loadout	Baghouse #7	10,000	0.004	0.343	0.343
Reject flake storage Based on 2400 tons of reject flake loadout	Baghouse #8	3,000	0.013	0.334	0.334
Hull blend back		320	0.01	0.027	0.027

Facility	Control	Air Flow Rate Limit (dscfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hour)	PM10 Limit (lbs/hour)
Boiler no. 1 and 2		794.13 Million cubic feet of natural gas or equivalent		3.02 tons per year	3.02 tons per year

This soybean limitation is required to limit the potential to emit of PM, and PM10 emissions of 140.2 and ~~69.1~~**70.3** tons per year, respectively.

. . . .

In accordance with the credible evidence rule (62 Fed. Reg. 8314, Feb. 24, 1997); Section 113(a) of the Clean Air Act, 42 U.S. C. § 7413 (a); and a letter from the United States Environmental Protection Agency (USEPA) to IDEM, OAQ dated May 18, 2004, all permits must address the use of credible evidence; otherwise, USEPA will object to the permits. The following language has been incorporated into the permit to address credible evidence:

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.

Conclusion

This permit modification shall be subject to the conditions of the attached Part 70 Significant Permit Modification No. 157-19644-00038

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 9/16/03