



TO: Interested Parties / Applicant

RE: Superior Oil Company, Inc. / 097-22820-00286

FROM: Felicia A. Robinson  
Administrator

## Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, 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 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within fifteen (15) calendar days of the receipt 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.

If you have technical questions regarding the enclosed documents, please contact the Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures



Department of Public Works  
Office of Environmental Services

2700 Belmont Avenue  
Indianapolis, IN 46221

317-327-2234  
Fax 327-2274  
TDD 327-5186  
indygov.org/dpw



December 4, 2006

Mr. Richard N. Paul  
Superior Oil Company, Inc.  
400 West Regent Street  
Indianapolis, Indiana 46225

Certified Mail Number: 7005 0390 0000 6271 6998

Re: 097-22820-00286  
First Significant Permit Revision to  
FESOP 097-18042-00286

Dear Mr. Paul:

Superior Oil Company, Inc. was issued a permit on April 28, 2005 for operation of a facility involved in the distribution of industrial chemicals and related materials, including blending, container filling, and other packaging activities. A letter requesting changes to this permit was received on March 13, 2006. Pursuant to the provisions of 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of correcting the listing of emission units in FESOP 097-18042-00286, removing insignificant tanks, adding insignificant tanks and making changes in the VOC and HAP limits to specifically include all of the significant and insignificant emissions units at this source and make these limits practically enforceable. Conditions in the B and C sections of the permit have also been revised.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the significant permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

OES has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Mr. Stephen Treimel, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7902 to speak directly to Mr. Treimel. Questions may also be directed to Mr. Tuan Nguyen, OES, Air Permits, 2700 South Belmont Avenue, Indianapolis, Indiana 46221, or call (317) 327-2512.

Sincerely,

Original Signed by

Felicia A. Robinson, Administrator  
Office of Environmental Services  
City of Indianapolis

Attachments: Technical Source Document, Permit, Appendix A (calculations)

ERG/ST

cc: File  
U.S. EPA, Region V  
Marion County Health Department  
Compliance – Matt Mosier  
IDEM, OAQ – Mindy Hahn  
Warren Branch Library



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Office of Environmental Services

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# FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY and INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

**Superior Oil Company, Inc.  
400 West Regent Street  
Indianapolis, Indiana 46225**

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

**The Permittee must comply with all conditions of this permit. Noncompliance with any provision of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; and denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.**

Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 FESOP under 326 IAC 2-8.

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 2-8 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.: F097-18042-00286	
Issued by:	Issuance Date: April 28, 2005
Originally signed by: Felicia A. Robinson, Manager of Environmental Planning Office of Environmental Services	Expiration Date: April 28, 2010
First Significant Permit Revision No. 097-22820-00286      Pages Affected: Entire Permit	
Issued by: Original Signed by	Issuance Date: December 4, 2006
Felicia A. Robinson, Administrator Office of Environmental Services	Expiration Date: April 28, 2010



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**Department of Public Works  
Office of Environmental Services**

2700 Belmont Avenue  
Indianapolis, IN 46221

317-327-2234  
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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), and Indianapolis Office of Environmental Services (OES). 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 2-8-3(b)]

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The Permittee owns and operates a stationary source, operation of distribution of industrial chemicals and related materials, including blending, container filling and other packaging activities.

Authorized individual:	Vice President, Operations
Source Address:	400 West Regent Street, Indianapolis, Indiana 46225
Mailing Address:	400 West Regent Street, Indianapolis, Indiana 46225
General Source Phone:	(317) 781-4400
SIC Code:	5169, 2899
Source Location Status:	Marion County Nonattainment for ozone under the 8-hour standard Nonattainment for PM2.5 Attainment for all other criteria pollutants.
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, Section 112 of the Clean Air Act Minor Source, under PSD or Emission Offset Rules Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

- (a) Loading Rack for receiving and shipping chemicals and solvents (via rail car or tank truck and containerized), with maximum capacity of 65,700,000 gallons per year of bulk or containerized receipts.
- (b) Blending operation, consisting of pumps, hoses, and blend tanks, used for making custom solvent blends, with maximum capacity of 39,420,000 gallons per year. Finished blends are packaged directly from the blend tanks or transferred to storage tanks.
- (c) Compounding Operations, consisting of mix, blend, and storage tanks, used for the compounding of water based cleaners with low VOC type additives, with maximum capacity of 39,420,000 gallons per year. Finished blends are packaged directly from the mix tanks or transferred to storage tanks.
- (d) Container Filling Operations, with maximum capacity of 39,420,000 gallons per year. Containers (drums, pails, and totes) are filled from other containers, blend tanks or bulk storage tanks prior to shipment with straight products and blends.
- (e) Special Processing Unit, identified as TEA1, with maximum processing capacity of 18,980,000 gallons per year of spent scrubber solutions from foundries air pollution control devices, exhausting to Stack ID TEA1, constructed in 1996. Specification amine products are filled into containers for distribution. Amines (primarily TEA) emissions and odors are controlled by a liquid scrubber unit, identified as TEA Scrubber System, consisting of series of drums and a plastic tote that contain the acid and water mixture.
- (f) The following tanks with over 1 ton per year HAP potential:

Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.  
Tank 8, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 9, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 10, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 11, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 12, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 16, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 17, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 18, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.  
Tank 19, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 25, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.  
Tank 41, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.  
Tank 42, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 43, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 44, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 45, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 46, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.  
Tank 47, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.  
Tank 48, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 49, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 51, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.  
Tank 52, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.  
Tank 53, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.  
Tank 56, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.  
Tank 57, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.  
Tank 58, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.  
Tank 59, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

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

- (a) Tank 1, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 3, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 4, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1980.  
Tank 5, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 6, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 7, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 13, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 14, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 15, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 20, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 21, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 22, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 23, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 24, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 26, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 27, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 28, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 29, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 30, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 31, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 32, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 33, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 34, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 35, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 36, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 37, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.

Tank 38, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 39, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 40, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 50, horizontal tank with a storage capacity of 10,000 gallons, constructed in 2006.  
Tank 54, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1980.  
Tank 55, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 60, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1994.  
Tank 61, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1990.  
Tank 62, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1982.  
Tank 63, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 64, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 65, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 66, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1982.  
Tank 67, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1984.  
Tank 68, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1984.  
Tank 71, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.  
Tank 72, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.  
Tank 76, fixed roof tank with a storage capacity of 4,500 gallons, constructed in 2002.  
Tank 80, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.  
Tank 81, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 82, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 83, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 84, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.  
Tank B1, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1973.  
Tank B2, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1973.  
Tank B3, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.  
Tank B4, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1990.  
Tank B5, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.  
Tank B6 fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.  
Tank B7, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.  
Tank B8, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.  
Tank B9, fixed roof tank with a storage capacity of 675 gallons, constructed in 1992.  
Tank M-1, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1990.  
Tank M-2, fixed roof tank with a storage capacity of 400 gallons, constructed in 1990.  
Tank M-3, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1992.  
Tank M-4, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.  
Tank M-5, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.

- (b) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
- (1) One (1) natural gas-fired hot oil heater, identified as HO1, 8.5 MMBtu/hr.
  - (2) One (1) natural gas-fired boiler, identified as Boiler1, constructed in 2006, with a maximum capacity of 3.15 MMBtu/hr.
- (c) Combustion source flame safety purging on startup.
- (d) The following VOC and HAP storage containers:
- (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.
- (e) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 (Trichloroethylene degreaser, identified as D-1, with a maximum throughput of 120 gallons per 12 months).
- (f) Cleaners and solvents characterized as follows:

- (1) having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100°F) or;
- (2) having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (g) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment.
- (h) Closed loop heating and cooling systems.
- (i) Structural steel and bridge fabricating activities using 80 tons or less of welding consumables.
- (j) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (k) Water based adhesives that are less than or equal to 5% by volume of VOCs excluding HAPs.
- (l) Noncontact cooling tower systems with forced and induced draft cooling tower system not regulated under NESHAP.
- (m) Heat exchanger cleaning and repair.
- (n) Process vessel degassing and cleaning to prepare for internal repairs.
- (o) Paved and unpaved roads and parking lots with public access.
- (p) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (q) 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.
- (r) Blowdown for any of the following: sight glass; boiler; compressors; pumps, and cooling tower.
- (s) On-site fire and emergency response training approved by the department.
- (t) Purge double block and bleed valves.
- (u) Filter or coalescer media changeout.
- (w) A laboratory as defined in 326 IAC 2-7-1(21)(D).

A.4 FESOP Applicability [326 IAC 2-8-2]

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This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and OES for a Federally Enforceable State Operating Permit (FESOP).

## SECTION B GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-8-1]

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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 2-8-4(2)][326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]

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- (a) This permit, 097-18042-00286, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

### B.4 Enforceability [326 IAC 2-8-6]

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

### B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

### B.6 Severability [326 IAC 2-8-4(4)]

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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.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

### B.8 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

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- (a) The Permittee shall furnish to IDEM, OAQ, and OES within a reasonable time, any information that IDEM, OAQ, and OES 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the

Permittee shall also furnish to IDEM, OAQ, and OES copies of records required to be kept by this permit.

- (b) For information furnished by the Permittee to IDEM, OAQ, and OES, 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.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ and OES may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (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 an authorized individual of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

- (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, and OES 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 2-8-4(3); and
- (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, and OES may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]**

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- (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  
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

The PMP extension notification does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.13 Emergency Provisions [326 IAC 2-8-12]**

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- (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, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and OES, 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 No.: 1-800-451-6027 (ask for IDEM, OAQ, Compliance Section) or,  
Telephone No.: 317-233-0178 (ask for IDEM, OAQ, Compliance Section)  
Facsimile No.: 317-233-6865

and

Telephone No.: 317-327-2234 (ask for OES Air Compliance Section)  
Facsimile No.: 317-327-2274

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

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

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 2-8-4(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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, and OES, 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 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
  - (1) 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.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
    - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

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

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- (a) All terms and conditions of permits established prior to 097-18042-00286 and issued pursuant to permitting programs approved into the state implementation plan have been either
  - (1) incorporated as originally stated,
  - (2) revised, or

(3) deleted.

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

**B.15** Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

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 need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(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 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP 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 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if OES 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 2-8-8(a)]

(c) Proceedings by OES 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 2-8-8(b)]

- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by OES at least thirty (30) days in advance of the date this permit is to be reopened, except that OES may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

**B.17 Permit Renewal [326 IAC 2-8-3(h)]**

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- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and OES and shall include the information specified in 326 IAC 2-8-3. 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

and

Indianapolis Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
- (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, and OES on or before the date it is due.
- (2) If IDEM, OAQ, and OES 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 until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]  
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 2-8 until IDEM, OAQ, and OES 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, and OES, any additional information identified as needed to process the application.

**B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]**

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- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

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

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

and

Indianapolis Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without 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 approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

Indianapolis Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

and

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

Chicago, Illinois 60604-3590

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

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b). The Permittee shall make such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, and OES, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) **Emission Trades** [326 IAC 2-8-15(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) **Alternative Operating Scenarios** [326 IAC 2-8-15(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 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

**B.20 Permit Revision Requirement** [326 IAC 2-8-11.1]

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

**B.21 Inspection and Entry** [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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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, OES, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.22** Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

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

and

Indianapolis Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

**B.23** Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

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

(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

**B.24** Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

### Emissions Limitations and Standards [326 IAC 2-8-4(1)]

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

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

#### C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above-specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

#### C.3 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 thirty percent (30%) 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.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

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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.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

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

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

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

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- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
- (A) Asbestos removal or demolition start date;
- (B) Removal or demolition contractor; or
- (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

and

Indianapolis Office of Environmental Services  
Asbestos Section  
2700 South Belmont Avenue

Indianapolis, IN 46221-2009

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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

### **Testing Requirements [326 IAC 2-8-4(3)]**

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

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- (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, and OES.

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

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ, and OES 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES, if the Permittee submits to IDEM, OAQ, and OES a

reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

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

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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 2-8-4] [326 IAC 2-8-5(a)(1)]**

#### **C.10 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]**

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

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

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

The notification that shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

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

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

#### **C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]**

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

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

**Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

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

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

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

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

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (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, and OES 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, and OES that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ, and OES may extend the retesting deadline.
- (c) IDEM, OAQ, and OES reserve the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]**

C.16 General Record Keeping Requirements [326 IAC 2-8-4(3)(c)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring

sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the OES Administrator makes a request for records to the Permittee, the Permittee shall furnish the records to the OES Administrator 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.17 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

- (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 Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2009

- (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, and OES 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 "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report shall cover the period commencing on the date of issuance of the original FESOP and ending on the last day of the reporting period. All subsequent reporting periods shall be based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

**Stratospheric Ozone Protection**

**C.18 Compliance with 40 CFR 82 and 326 IAC 22-1**

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

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

- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]:

- (a) Loading Rack for receiving and shipping chemicals and solvents (via rail car or tank truck and containerized), with maximum capacity of 65,700,000 gallons per year of bulk or containerized receipts.
- (b) Blending operation, consisting of pumps, hoses, and blend tanks, used for making custom solvent blends, with maximum capacity of 39,420,000 gallons per year. Finished blends are packaged directly from the blend tanks or transferred to storage tanks.
- (c) Compounding Operations, consisting of mix, blend, and storage tanks, used for the compounding of water based cleaners with low VOC type additives, with maximum capacity of 39,420,000 gallons per year. Finished blends are packaged directly from the mix tanks or transferred to storage tanks.
- (d) Container Filling Operations, with maximum capacity of 39,420,000 gallons per year. Containers (drums, pails, and totes) are filled from other containers, blend tanks or bulk storage tanks prior to shipment with straight products and blends.
- (e) Special Processing Unit, identified as TEA1, with maximum processing capacity of 18,980,000 gallons per year of spent scrubber solutions from foundries air pollution control devices, exhausting to Stack ID TEA1, constructed in 1996. Specification amine products are filled into containers for distribution. Amines (primarily TEA) emissions and odors are controlled by a liquid scrubber unit, identified as TEA Scrubber System, consisting of series of drums and a plastic tote that contain the acid and water mixture.

The following tanks with over 1 ton per year HAP potential:

Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.  
Tank 8, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 9, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 10, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 11, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 12, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 16, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 17, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 18, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.  
Tank 19, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 25, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.  
Tank 41, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.  
Tank 42, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 43, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 44, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 45, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 46, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.  
Tank 47, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.  
Tank 48, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 49, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.  
Tank 51, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.  
Tank 52, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.  
Tank 53, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.  
Tank 56, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.  
Tank 57, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.  
Tank 58, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.  
Tank 59, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.

**Insignificant Activities:**

- (a) Tank 1, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 3, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 4, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1980.  
Tank 5, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 6, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 7, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 13, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 14, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 15, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 20, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 21, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 22, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 23, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 24, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 26, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 27, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 28, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 29, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 30, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 31, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 32, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 33, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 34, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 35, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 36, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 37, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 38, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 39, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 40, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 50, horizontal tank with a storage capacity of 10,000 gallons, constructed in 2006.  
Tank 54, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1980.  
Tank 55, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 60, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1994.  
Tank 61, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1990.  
Tank 62, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1982.  
Tank 63, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 64, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 65, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 66, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1982.  
Tank 67, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1984.  
Tank 68, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1984.  
Tank 71, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.  
Tank 72, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.  
Tank 76, fixed roof tank with a storage capacity of 4,500 gallons, constructed in 2002.  
Tank 80, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.  
Tank 81, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 82, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 83, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 84, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.  
Tank B1, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1973.  
Tank B2, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1973.  
Tank B3, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.  
Tank B4, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1990.  
Tank B5, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.  
Tank B6 fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.  
Tank B7, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.

Tank B8, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.  
Tank B9, fixed roof tank with a storage capacity of 675 gallons, constructed in 1992.  
Tank M-1, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1990.  
Tank M-2, fixed roof tank with a storage capacity of 400 gallons, constructed in 1990.  
Tank M-3, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1992.  
Tank M-4, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.  
Tank M-5, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.

(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 2-8-4(1)]**

#### **D.1.1 Volatile Organic Compounds (VOC) [326 IAC 2-8-4(1)] [326 IAC 2-3]**

Pursuant to 326 IAC 2-8-4(1), the Permittee shall limit the VOC materials usage to the Loading Rack, Blending Operation, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, combined with the amount of VOC used in the degreasing operations, such that VOC emissions shall be limited to less than 98 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Combined with the limits in Condition D.2.2, compliance with the above limits ensures that the VOC emissions from this entire source are limited to less than 100 tons per year. Compliance with these limits makes the requirements of the Part 70 Operating Permit, Regulation 326 IAC 2-7, and 326 IAC 2-3 (Emission Offset) not applicable.

#### **D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]**

The Permittee shall limit the VOC emissions from the Special Processing Unit, identified as TEA1, to less than 25 tons per twelve (12) consecutive month period, such that the requirements of the 326 IAC 8-1-6 (New facilities; general reduction requirements) shall not apply.

#### **D.1.3 Hazardous Air Pollutants (HAP) [326 IAC 2-8-4(1)]**

Pursuant to 326 IAC 2-8-4(1), the Permittee shall limit the HAP materials usage to the Loading Rack, Blending Operation, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, combined with the amount of HAP used in the degreasing operations (listed in Section D.2), such that HAP emissions shall be limited to less than nine and eight-tenths (9.8) tons per twelve (12) consecutive month period for any single HAP and less than twenty-four and five-tenths (24.5) tons per twelve (12) consecutive month period for any combination of HAPs with compliance determined at the end of each month.

These limits, combined with the HAP usage limits in Condition D.2.2 and the HAP emissions from the other emission units at this source, will limit the source-wide emissions of HAPs to less than ten (10) tons of a single HAP and less than twenty-five (25) tons of a combination of HAPs per twelve (12) consecutive month period. Compliance with these limits makes the requirements of the Part 70 Operating Permit Program 326 IAC 2-7 not applicable to this source.

#### **D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]**

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the Special Processing Unit, identified as TEA1.

### **Compliance Determination Requirements**

#### **D.1.5 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 8-1-2][326 IAC 8-1-4]**

(a) The Permittee shall use a computer-based operating system Chempax to track material usage, accounting information and customer data. This system shall provide detailed data regarding transactions for the purposes of supporting environmental reporting. The

Chempax system shall provide reports for any range of calendar days, and reports generated by Chempax shall contain the following information:

- (1) For bulk transfers: date, receipt number, product name, amount in pounds, specific gravity, input location, and output location.
  - (2) For container filling transfers: date, receipt number, product name, composition (amount of VOC and HAPs), amount in pounds, specific gravity, time of transfer, duration of transfer, and type of transfer (bulk to container, container to container, or blend in container).
  - (3) For blending tank operations: date, receipt number, product name, amount in pounds, specific gravity, time of blend, duration of blend.
- (b) The Chempax system data shall be used to determine the material throughput for each tank as input into the TANKS program for each of the permitted tanks. Each bulk storage tank shall have a unique identifier to make possible to determine what materials go into and out of each bulk storage tank.
- (c) The Chempax data output shall be available in Excel spreadsheets format, where molecular weight and vapor pressure shall be added for each material, and VOC and HAPs (individual and combined) emissions shall be calculated.
- (d) VOC and HAP emissions calculations shall be performed for the following equipment and operations:
- (1) Loading rack;
  - (2) Container Filling and Blending operations, and
  - (3) Tanks Storage.
- (e) VOC emission factors for emissions generated by Loading rack, Container filling, Blending operations, and Special Processing Unit TEA1 Containerizing of materials shall be calculated using the following formula (AP-42, section 4.4):

$E = 12.46 * S * P * M / T$ , where:

E = pounds of emissions per 1000 gallons loaded;  
S = saturation factor (1.45 for splash loading and 0.5 for submerged fill);  
P = vapor pressure (psia);  
M = mol. wt (lb/lb mole);  
T = Temp (Rankine).

- (f) VOC Emissions from mixing operations shall be calculated using the following formula (EIIP, Vol. 2, Ch. 8):

$E = M * K_x * A * P * 3600 * H / (R * T)$ , where:

E = emission in pounds  
T = Temp (Rankine) = 530  
M = Mol. Wt (lb/lb-mole)  
P = Vapor pressure (psia)  
A = Area of tank ( average 29 sf)  
H = batch time (hrs)  
K<sub>x</sub> = gas phase mass transfer coeff.  
 $K_x = 0.00438 * (U^{0.78})(18/M)^{1/3}$   
U = wind speed = 0.1 mph

R = Universal gas constant = 10.73

- (g) For the purpose of HAPs emission calculations, 100% of HAP content in solvents shall be accounted for as HAP emission.
- (h) Storage Tanks emissions shall be calculated using EPA's TANKS program (4.0 or more current version).
- (i) In the event that the Chempax system should be unavailable, paper records providing the same data shall be used and kept to provide data for the purposes of emissions calculations and compliance determination.

## **Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

### **D.1.6 Record Keeping Requirements**

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- (a) To document compliance with Conditions D.1.1, D.1.2, D.1.3, the Permittee shall keep records of chemicals inventory and throughput for each transfer and storage operation (input and output data of Chempax system and TANKS program). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period and shall include, but not limited to:
  - (1) the number of gallons of each solvent used;
  - (2) the molecular weight of each solvent;
  - (3) the vapor pressure of each solvent;
  - (4) the composition of each solvent (VOC and HAPs content);
  - (5) the type of operation used for each solvent (e.g., container filling or mixing or loading rack);
  - (6) the date of the transfer.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### **D.1.7 Reporting Requirements**

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A quarterly summary of the information to document compliance with Conditions D.1.1, D.1.2, and D.1.3 shall be submitted to the addresses 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]:

Insignificant Activities:

- (b) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
  - (1) One (1) natural gas-fired hot oil heater, identified as HO1, 8.3 MMBtu/hr.
  - (2) One (1) natural gas-fired boiler, identified as Boiler1, constructed in 2006, with a maximum capacity of 3.15 MMBtu/hr.
- (e) Degreasing operations that do not exceed 145 gallons per twelve (12) months, except if subject to 326 IAC 20-6.
- (g) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment.
- (i) Structural steel and bridge fabricating activities using 80 tons or less of welding consumables.

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

- (a) Particulate Emissions from the natural gas fired 8.3 MMBtu per hour Hot Oil Heater, Emission Unit ID HO1, shall be limited to less than 0.6 pounds per million Btu of heat input.
- (b) Particulate emissions from the natural gas fired 3.15 MMBtu per hour Boiler, Emission Unit ID Boiler1, shall be limited to less than 0.578 pounds per million Btu of heat input.

#### D.2.2 FESOP Limit: VOC and HAP [326 IAC 2-8-4(1)] [326 IAC 2-3]

- (a) Pursuant to 326 IAC 2-8-4(1), the Permittee shall limit the VOC materials usage to the Degreasing Operations, combined with the VOC materials usage to the Loading Rack, Blending Operation, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, such that the VOC emissions shall be limited to less than ninety-eight (98) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Combined with the limits in Condition D.1.1, the above limit ensures that the VOC emissions from this entire source are limited to less than 100 tons per year. Compliance with these limits makes the requirements of the Part 70 Operating Permit, (326 IAC 2-7), and 326 IAC 2-3 (Emission Offset) not applicable.
- (b) Pursuant to 326 IAC 2-8-4(1), the Permittee shall limit the HAP materials usage to the Loading Rack, Blending Operation, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, combined with the HAP materials usage in the degreasing operations, such that the HAP emissions shall be limited to less than nine and eight-tenths (9.8) tons per twelve (12) consecutive month period for any single HAP and less than twenty-four and five-tenths (24.5) tons per twelve (12) consecutive month period for any combination of HAPs, with compliance determined at the end of each month. This limit, combined with the HAP limits in Condition D.1.3 and the HAP emissions from the other emission units at this source, will limit the source-wide emissions of HAPs to less than ten (10) tons of a single HAP and less than twenty-five (25) tons of a combination of HAPs per twelve (12)

consecutive month period. Compliance with these limits makes the requirements of the Part 70 Operating Permit Program 326 IAC 2-7 not applicable to this source.

**D.2.3 Particulate emission limitations, work practices, and control technologies [326 IAC 6-3-2]**

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

**D.2.4 Cold Cleaner Degreaser Operation and Control [326 IAC 8-3-5]**

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- (a) Pursuant to 326 IAC 8-3-5(a), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:
- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
    - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
    - (B) The solvent is agitated; or
    - (C) The solvent is heated.
  - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
  - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
  - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure that does not cause excessive splashing.
  - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
    - (A) A freeboard that attains a freeboard ratio of seventy-five-hundredths (0.75) or greater.
    - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
    - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

- (1) Close the cover whenever articles are not being handled in the degreaser.
- (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
- (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

#### D.2.5 Record Keeping Requirements

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- (a) To document compliance with Condition D.2.2, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and the HAP usage limits established in Condition D.2.2 for the degreasing operations. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
  - (1) The amount, VOC and HAP content of each degreasing solvent used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used;
  - (2) The total VOC and HAP usage for each month; and
  - (3) The weight of VOCs and HAPs emitted for each compliance period
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit

#### D.2.6 Reporting Requirements

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A quarterly summary of the information to document compliance with Condition D.2.2 shall be submitted to the addresses 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
and  
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
CERTIFICATION**

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286

**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:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF AIR QUALITY**  
**COMPLIANCE BRANCH**  
**100 North Senate Avenue**  
**Indianapolis, Indiana 46204-2251**  
**Phone: 317-233-0178**  
**Fax: 317-233-6865**  
**and**  
**INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**  
**Air Compliance**  
**2700 South Belmont Avenue**  
**Indianapolis, IN 46221-2209**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)**  
**EMERGENCY OCCURRENCE REPORT**

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286

**This form consists of 2 pages**

**Page 1 of 2**

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
  - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , 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  
 and  
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
 AIR COMPLIANCE**

**FESOP Quarterly Report**

Source Name: Superior Oil Company, Inc.  
 Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
 Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
 FESOP No.: 097-18042-00286  
 Facility: Loading Rack, Bulk Chemical Blending, Compounding Operations, Packaging, Storage, and Distribution Operation, Special Processing Unit (TEA1), Significant Tanks, Insignificant Tanks, and Degreasing Operations  
 Parameter: Volatile Organic Compound Emissions  
 Limit: less than 98 tons of VOC per twelve consecutive month period, rolled monthly.

YEAR: \_\_\_\_\_ QUARTER: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
 Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION  
and  
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
AIR COMPLIANCE**

**FESOP Quarterly Report**

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286  
Facility: Loading Rack, Bulk Chemical Blending, Compounding Operations, Packaging, Storage, and Distribution Operation, Special Processing Unit (TEA1), Significant Tanks, Insignificant Tanks, and Degreasing Operations  
Parameter: HAP Emissions  
Limit: less than 9.8 tons of an individual HAP per twelve consecutive month period, rolled monthly.

YEAR: \_\_\_\_\_ QUARTER: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 COMPLIANCE DATA SECTION  
 and  
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
 AIR COMPLIANCE**

**FESOP Quarterly Report**

Source Name: Superior Oil Company, Inc.  
 Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
 Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
 FESOP No.: 097-18042-00286  
 Facility: Loading Rack, Bulk Chemical Blending, Compounding Operations, Packaging, Storage, and Distribution Operation, Special Processing Unit (TEA1), Significant Tanks, Insignificant Tanks, and Degreasing Operations  
 Parameter: Hazardous Air Pollutant Emissions  
 Limit: less than 24.5 tons of any combination of HAPs per twelve consecutive month period, rolled monthly.

YEAR: \_\_\_\_\_ QUARTER: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.  
 Deviation has been reported on:

Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION  
and  
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
AIR COMPLIANCE**

**FESOP Quarterly Report**

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286  
Facility: Special Processing Unit, identified as TEA1  
Parameter: Volatile Organic Compound Emissions  
Limit: less than 25 tons of VOC per twelve consecutive month period, rolled monthly

YEAR: \_\_\_\_\_ QUARTER: \_\_\_\_\_

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.  
 Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION  
and  
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
AIR COMPLIANCE**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

**Permit Requirement** (specify permit condition #)

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

**Permit Requirement** (specify permit condition #)

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed By: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

# Indiana Department of Environmental Management Office of Air Quality

## Addendum to the Technical Support Document for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP)

### Source Background and Description

Source Name: Superior Oil Company, Inc.  
Source Location: 400 West Regent Street, Indianapolis, Indiana 46229  
County: Marion  
SIC Code: 5169, 2899  
Significant Permit Revision No.: 097-22820-00286  
Permit Reviewer: ERG/ST

On October 6, 2006, the Office of Air Quality (OAQ) and the Indianapolis Office of Environmental Services (OES) had a notice published in the Indianapolis Star & News, Indianapolis, Indiana, stating that Superior Oil Company, Inc. had applied for a Significant Permit Revision to a Federally Enforceable State Operating Permit (FESOP) to operate a facility engaged in the blending, packaging and distribution of industrial chemicals. The notice also stated that OAQ and OES proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Upon further review, the OAQ and OES has decided to make the following revisions to the permit (**bolded** language has been added, the language with a ~~line~~ through it has been deleted). The Table of Contents has been modified, if applicable, to reflect these changes.

1. Several insignificant emission units were inadvertently listed in Section A.2 of the permit, as these units are already listed in Section A.3 of the permit. Section A.2 of the permit has been changed as follows:

#### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

...

- (f) The following tanks with over 1 ton per year HAP potential:

Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.  
Tank 8, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 9, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 10, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.  
Tank 11, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
Tank 12, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.  
~~Tank 13, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~  
~~Tank 14, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~  
~~Tank 15, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~  
Tank 16, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.

- Tank 17, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
- Tank 18, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
- Tank 19, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
- ~~Tank 20, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- ~~Tank 21, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- ~~Tank 22, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- ~~Tank 23, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- ~~Tank 24, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- Tank 25, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
- ~~Tank 26, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- ~~Tank 27, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- ~~Tank 28, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- ~~Tank 29, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- Tank 41, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
- Tank 42, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 43, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 44, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 45, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 46, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
- Tank 47, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
- Tank 48, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 49, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- ~~Tank 50, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- Tank 51, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
- Tank 52, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
- Tank 53, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
- ~~Tank 55, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~
- Tank 56, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
- Tank 57, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1979.
- Tank 58, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
- Tank 59, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.

2. The OES official's title on the cover page has been corrected as follows:

First Significant Permit Revision No. 097-22820-00286		Pages Affected: Entire Permit
Issued by: Felicia A. Robinson, <b>Administrator Manager of Environmental Planning</b> Office of Environmental Services		Issuance Date:  Expiration Date: April 28, 2010

- 3. On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- 4. A redundant phrase in Section A.3 has been removed, and rule citation in Section A.3, paragraph (w) has been corrected as follows:

**A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]**

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

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

- (w) A laboratory as defined in ~~326 IAC 2-7-1(20)(C)~~ **326 IAC 2-7-1(21)(D)**.

No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

**Indiana Department of Environmental Management  
Office of Air Quality  
and  
City Of Indianapolis  
Office of Environmental Services**

**Technical Support Document (TSD) for a Significant Permit Revision to a  
Federally Enforceable State Operating Permit**

**Source Background and Description**

Source Name:	Superior Oil Company, Inc.
Source Location:	400 West Regent Street, Indianapolis, Indiana 46225
County:	Marion
SIC Code:	5169, 2899
Operation Permit No.:	097-18042-00286
Operation Permit Issuance Date:	April 28, 2005
Significant Permit Revisions No.:	097-22820-00286
Permit Reviewer:	ERG/ST

This stationary source is engaged in the distribution of industrial chemicals and related materials, including blending, container filling and other packaging activities.

**History and Background**

On March 13, 2006, Superior Oil Company, Inc. submitted an application to the OES requesting to correct the listing of emissions units at their source, remove existing insignificant emissions units, and add insignificant emissions units to their existing plant. Superior Oil Company, Inc. was issued a FESOP on April 28, 2005. During the processing of the application, OES and IDEM determined that the emissions limits in the Permittee's Federally Enforceable State Operating Permit were not enforceable as written and needed to be revised in order to include emissions from all of the significant and insignificant emissions units at this source. This Significant Permit Revision incorporates the changes to the source and the changes to the permit. On July 17, 2006, the source requested IDEM, OAQ and OES administratively amend their permit to reflect the replacement of tank #50 with a similar tank. That change has been incorporated into this SPR.

**Existing Approvals**

The source was issued FESOP 097-18042-00286 on April 28, 2005.

**Enforcement Issue**

There are no enforcement actions pending.

**Recommendation**

The staff recommends to the Commissioner that the Significant Permit Revision 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 March 13, 2006.

**Emission Calculations**

See Appendix A of this document for detailed emissions calculations (pages 1 through 4).

**Potential To Emit of the Revision**

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

This table reflects the PTE of the emission units being added in this Significant Permit Revision (tanks 80-84, M-4, M-5, and boiler B-1) before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	0.03
PM-10	0.10
SO <sub>2</sub>	0.01
VOC	3.61
CO	1.14
NO <sub>x</sub>	1.35

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAPs	Potential To Emit (tons/year)
Methylene Chloride	0.35
Toluene	0.17
Methanol	0.24
All Others	0.09
<b>TOTAL</b>	<b>0.85</b>

**Justification for Revision**

The FESOP is being modified through a FESOP Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-10(a)(6), 326 IAC 2-8-10(a)(14), and 326 IAC 2-8-11.1(g) because this makes changes to the FESOP limits in the current permit which cannot be accomplished under 326 IAC 2-8-10 or 326 IAC 2-8-11.1(d)

**Potential to Emit after Revision**

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units. The control equipment is considered federally enforceable only after issuance of this Permit Revision.

Process/facility	Potential to Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Significant Tanks	0	0	0	Less than 98	0	0	Single HAP: Less than 10 Combination HAPs: Less than 24
Insignificant Tanks	0	0	0		0	0	
Degreaser	0	0	0		0	0	0.73 (trichloroethylene)
Boilers	0.1	0.4	0.03	0.28	4.2	5.0	0.09 (hexane)
Total Emissions	0.1	0.4	0.03	Less than 100	4.2	5.0	Single HAP: Less than 10 Combination HAPs: Less than 24

After the addition of insignificant activities and the revision of the FESOP limits in the permit, the limited potential to emit of the criteria pollutants from the entire source is still less than the Title V major source thresholds. Therefore, the requirements of 326 IAC 2-7 are not applicable to this source.

**County Attainment Status**

The source is located in Marion County.

Pollutant	Status
PM-10	Attainment
PM2.5	Basic Nonattainment
SO <sub>2</sub>	Maintenance Attainment
NO <sub>2</sub>	Attainment
8-hour Ozone	Basic Nonattainment
CO	Maintenance Attainment
Lead	Maintenance Attainment

- (a) Marion County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset (326 IAC 2-3).
- (c) Marion County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) On August 7, 2006, a temporary emergency rule took effect revoking the one-hour ozone standard in Indiana. The Indiana Air Pollution Control Board has approved a permanent rule revision to incorporate this change into 326 IAC 1-4-1. A permanent revision to 326 IAC 1-4-1 will take effect prior to the expiration of the emergency rule.
- (e) Fugitive Emissions  
 Since this type of operation is in not one of the 28 listed source categories under 326 IAC

2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

#### Federal Rule Applicability

- (a) The requirements of the New Source Performance Standards, 326 IAC 12, 40 CFR 60, Subparts K and Ka are not included in this permit for the storage tanks at this source because no tank has capacity greater than 40,000 gallons.
- (b) The requirements of the New Source Performance Standards, 326 IAC 12, 40 CFR 60, Subpart Kb are not included in this permit for the storage tanks at this source. There are no storage vessels with a capacity greater than or equal to 151 m<sup>3</sup> storing a liquid with a maximum true vapor pressure less than 3.5 kilopascals (kPa) or with a capacity greater than or equal to 75 m<sup>3</sup> but less than 151 m<sup>3</sup> storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
- (c) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.40c, Subpart Dc) are not included in the permit for the 8.3 MMBtu/hr natural gas Hot Oil Heater because it is less than 10 MMBtu/hr.
- (d) The requirements of the New Source Performance Standard for Synthetic Organic Chemical Manufacturing Operations 40 CFR Parts 60.480, 60.610, 60.660 and 60.700 (Subparts VV, III, NNN, and RRR) are not included in the permit because this source does not produce chemicals through chemical synthesis but is only involved with storing and blending of chemicals as received, packaging and distribution of chemicals.
- (e) The requirements of the National Emission Standard for Hazardous Air Pollutants (MACT) 40 CFR 63.2334 (Subpart EEEE), Organic Liquids Distribution (non-gasoline), are not included in the permit because it is not a major HAP source.
- (f) The requirements of the National Emission Standard for Hazardous Air Pollutants (MACT) 40 CFR 63.2435 (Subpart FFFF), Miscellaneous Organic Chemical Production and Processes (MON), are not included in the permit because this is not a chemical manufacturing source, and it is not a major HAP source.
- (g) According to 40 CFR Part 64 (Compliance Assurance Monitoring), § 64.2 (Applicability), neither this source or any emission unit at the source is subject to the requirements of 40 CFR Part 64 because it is not a major source that is required to obtain a part 70 or 71 permit.
- (h) The requirements of the New Source Performance Standard for Bulk Gasoline Terminals 40 CFR Part 60, Subpart XX are not included in the permit for the Loading Rack, Container Filling Operation, and Special Processing Unit, identified as TEA1, because this is not a bulk gasoline terminal which receives gasoline by pipeline, ship, or barge, but a bulk chemicals and solvents blending, packaging, and distribution facility.
- (i) The requirements of the National Emission Standards for Halogenated Solvent Cleaning (326 IAC 20-6, 40 CFR 63, Subpart T) are not included in this permit for the insignificant degreasing operations (D-1). The cold solvent cleaning machine does not use a solvent containing methylene chloride, perchlorethylene, trichlorethylene, 1,1,1-trichlorethane, carbon tetrachloride, chloroform or any combination of these halogenated HAP solvents in a total concentration greater than five percent (5%) by weight as a cleaning or drying agent.

**State Rule Applicability - Entire Source**

326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), 326 IAC 2-3 (Emission Offset),  
326 IAC 2-1.1-5 (Non-attainment New Source Review)

This source is not in 1 of the 28 source categories and there are no applicable New Source Performance Standards that were in effect on August 7, 1980, therefore, fugitive emissions of VOC and PM are not counted towards applicability of PSD.

The potential to emit of PM, PM10, SO<sub>2</sub>, NO<sub>x</sub>, and CO are less than 100 tons per year. The emissions of VOC from this source are limited by FESOP conditions in the permit to less than 100 tons per year. Therefore, this source is not a major source under the PSD regulation, and 326 IAC 2-2 does not apply.

This source is located in Marion County. Marion County was designated as a nonattainment area for the 8-hour ozone standard on June 15, 2004. The potential to emit of VOC of this source is limited to less than 100 tons per year by FESOP conditions in the permit. Therefore, this source is not a major source under Emission Offset.

Marion County has been designated as non-attainment for PM 2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM<sub>2.5</sub> Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM 2.5 major NSR regulations, states should assume that a major stationary source's PM<sub>10</sub> emissions represent PM<sub>2.5</sub> emissions. IDEM will use the PM<sub>10</sub> nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM<sub>2.5</sub> NAAQS. A major source in a nonattainment area as a source that emits or has the potential to emit 100 tpy of any regulated pollutant. Superior Oil Company has a potential to emit of PM<sub>10</sub> below 100 tpy. Therefore, assuming that PM<sub>10</sub> emissions represent PM<sub>2.5</sub> emissions, the requirements of 326 IAC 2-1.1-5 (Non-attainment New Source Review) do not apply.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

Emissions from the operations of storage, blending, packaging, and distribution of chemicals are limited by conditions in the permit to less than 10 tons per year of a single HAP and less than 25 tons per year of a combination of HAPs, and they were all built prior to July 27, 1997. The modifications to the source being done under this significant permit revision are included under these limits. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source has opted to be a FESOP source, and as such it is not required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program. This source is not located in Lake or Porter county and does not have the potential to emit lead greater than at levels equal to or greater than five (5) tons per year. Pursuant to 326 IAC 2-6-1(a)(1), it is not subject to the requirements of the Emission Reporting rule 326 IAC 2-6.

326 IAC 2-8-4 (FESOP)

(a) The VOC and HAPs emissions from the Loading Rack, Blending Operations, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, combined with the usage of VOC and HAPs in the Degreasing Operations shall be limited to less than:

- (1) 98 tons of VOC per twelve (12) consecutive month period, with compliance determined at the end of each month,
- (2) 9.8 tons of any individual HAP per twelve (12) consecutive month period, with compliance determined at the end of each month,
- (3) 24.5 tons of any combination of HAPs per twelve (12) consecutive month period, with compliance determined at the end of each month.

- (b) In order to calculate VOC and HAPs emissions from the Loading Rack, Blending Operations, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, the Permittee shall maintain the following records:
- (1) the number of gallons of each solvent used;
  - (2) the molecular weight of each solvent;
  - (3) the vapor pressure of each solvent;
  - (4) the composition of each solvent (HAPs content);
  - (5) the type of operation used for each solvent (e.g., container filling or mixing or loading rack);
  - (6) the date of the transfer.
- (c) VOC and HAP emissions calculations shall be performed for the following equipment and operations:
- (1) Loading rack;
  - (2) Container Filling and Blending operations, and
  - (3) Tank Storage.
- (d) VOC emission factors for emissions generated by Loading Rack and Container Filling shall be calculated using the following formula (AP-42, section 4.4):
- $$E = 12.46 * S * P * M / T, \text{ where:}$$
- E = pounds of emissions per 1000 gallons loaded;  
S = saturation factor (1.45 for splash loading and 0.5 for submerged fill);  
P = vapor pressure (psia);  
M = mol. Wt (lb/lb mole);  
T = Temp (Rankine).
- (e) VOC Emissions from Mixing operations shall be calculated using the following formula (EIIP, Vol. 2, Ch. 8):
- $$E = M * K_x * A * P * 3600 * H / (R * T), \text{ where:}$$
- E = emission in pounds  
T = Temp (Rankine) = 530  
M = Mol. Wt (lb/lb-mole)  
P = Vapor pressure (psia)  
A = Area of tank ( average 29 sf)  
H = batch time (hrs)  
K<sub>x</sub> = gas phase mass transfer coeff.  
K<sub>x</sub> = 0.00438 \* (U<sup>0.78</sup>)(18/M)<sup>1/3</sup>  
U = wind speed = 0.1 mph  
R = Universal gas constant = 10.73
- (f) For the purpose of HAPs emission calculations, 100% of HAP content in solvents shall be accounted for as HAP emissions.
- (g) Storage Tanks emissions shall be calculated using EPA's TANKS program (4.0 or more current version).
- (h) The Permittee requested approval for using the computer-based operating system Chempax in order to track material usage, accounting information and customer data. Chempax system is source-specific, it has been in place and used for recordkeeping and reports generation. This system provides detailed data regarding transactions for the purposes of supporting environmental reporting. The Chempax system provides reports for any range of calendar days, and reports generated by Chempax contain the following information:

- (1) For bulk transfers: date, receipt number, product name, composition (amount of VOC and HAPs), amount in pounds, specific gravity, input location, and output location.
  - (2) For container filling transfers: date, receipt number, product name, composition (amount of VOC and HAPs), amount in pounds, specific gravity, time of transfer, duration of transfer, and type of transfer (bulk to container, container to container, or blend in container).
  - (3) For blending tank operations: date, receipt number, product name, composition (amount of VOC and HAPs), amount in pounds, specific gravity, time of blend, duration of blend.
- (i) The Chempax system data will be used to determine the material throughput for each tank as an input into the TANKS program for each of the permitted tanks. Each bulk storage tank will have a unique identifier to determine what materials go into and out of each bulk storage tank.
  - (j) The Chempax data output will be available in Excel spreadsheets format, where molecular weight and vapor pressure shall be added for each material, and VOC and HAPs (individual and combined) emissions shall be calculated.
  - (k) The source will keep records of chemicals inventory and throughput for each transfer and storage operation (input and output data of Chempax system and TANKS program) for the term of three (3) years.
  - (l) In order to calculate the usage of VOC and HAP in the degreasing operations, the Permittee shall maintain the following records:
    - (1) the amount of degreaser solvent added to the degreaser, less any solvent shipped out.
    - (2) the percent VOC and HAP in the degreaser solvent, from MSDS.
    - (3) records will be maintained monthly, and kept for five years.

**326 IAC 5-1 (Opacity Limitations)**

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

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

**326 IAC 8-6 (Organic Solvent Emission Limitation)**

This source is not subject to this rule because its limited potential to emit VOC is less than 100 tons per year.

<b>State Rule Applicability - Individual Facilities</b>
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**326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)**

- (a) The existing 8.3 MMBtu per hour natural gas fired Hot Oil Heater, Emission Unit ID HO1, is located in Marion County and was installed after 1983. Pursuant to 326 IAC 6-2-4(a),

the particulate emissions from the 8.3 MMBtu per hour Hot Oil Heater, identified as HO1, shall be limited to 0.6 pounds per million Btu of heat input.

- (b) The new 3.15 MMBtu per hour natural gas-fired boiler, identified as Boiler1, is located in Marion County and was installed after 1983. Pursuant to 326 IAC 6-2-4(a), indirect heating facilities constructed after September 12, 1983, shall be limited by the following equation:

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

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

The emission rate limit calculated from the equation above equals:

$$Pt = \frac{1.09}{(8.3 + 3.15)^{0.26}} = 0.578 \text{ lbs/MMBtu}$$

Pursuant to 326 IAC 6-2-4(a), the particulate emissions from the 3.15 MMBtu per hour Boiler, identified as Boiler 1, shall be limited to 0.578 pounds per million Btu of heat input.

Based on AP 42 emission factors for the combustion of natural gas, the boiler will be able to comply with the limit. See Appendix A (calculations) for details.

**326 IAC 8-1-6 (New facilities; general reduction requirements)**

The insignificant storage tanks being added under this significant permit revision (tanks 76, 80, 81, 82, 83, 84, M-4, and M-5) will be constructed after January 1, 1980. However, none of these tanks have potential emissions of 25 or more tons per year of VOC. Therefore, they are not subject to 326 IAC 8-1-6.

**326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)**

326 IAC 8-4-3 does not apply to this source since none of the tanks have a storage capacity of greater than 39,000 gallons.

**326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)**

This regulation does not apply to any of the storage vessels at this source since this source is not located in Clark, Floyd, Lake or Porter Counties.

**326 IAC 12 (New Source Performance Standards)**

The requirements of the New Source Performance Standards, 326 IAC 12, 40 CFR 60, Subpart Kb are not included in this permit for the storage tanks at this source. See the Federal Rule Applicability section for a full discussion.

<b>Compliance Requirements</b>
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Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for

enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as described in the revised FESOP (this permit). No new compliance monitoring requirements are being added in this permit revision.

### Proposed Changes

The following changes have been made to the permit. Bolded language has been added, and the language with a line through it has been deleted. The Table of Contents has been modified and conditions have been renumbered to reflect these changes.

1. The Permittee requested to have the following existing emissions units that were mistakenly omitted from the emissions unit listing in FESOP 097-18042-00286 added to the permit.
  - (a) Tank 76, fixed roof tank with a storage capacity of 4,500 gallons, constructed in 2002.
  - (b) Tank M-1, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1990.
  - (c) Tank M-2, fixed roof tank with a storage capacity of 400 gallons, constructed in 1990.
  - (d) Tank M-3, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1992.

The Permittee has removed the following existing significant activities in this Significant Permit Revision to a FESOP.

- (a) Tank 80, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1979.
- (b) Tank 81, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1979.

The Permittee has removed the following existing insignificant activities (as defined in 326 IAC 2-7-1(21)) in this Significant Permit Revision to a FESOP. (Note: Insignificant tanks 74 and 75 were mistakenly omitted from the listing of insignificant activities in FESOP 097-18042-00286.)

- (a) Tank 69, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1984.
- (b) Tank 70, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.
- (c) Tank 73, fixed roof tank with a storage capacity of 2,900 gallons, constructed in 1990.
- (d) Tank 74, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 2002.
- (e) Tank 75, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 2002.

The Permittee also plans to add the following insignificant activities (as defined in 326 IAC 2-7-1(21)) in this Significant Permit Revision to a FESOP.

- (a) Tank 80, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.
- (b) Tank 81, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.
- (c) Tank 82, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.
- (d) Tank 83, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.
- (e) Tank 84, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.

- (f) Tank M-4, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.
- (g) Tank M-5, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.
- (h) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour, consisting of one (1) low pressure steam boiler, identified as B1, constructed in 2006, with a maximum capacity of 3.15 MMBtu/hr.

The Permittee requested to have the extra listing in FESOP 097-18042-00286 for insignificant tank 32 removed in this Significant Permit Revision to a FESOP.

The Permittee requested to replace an existing insignificant activity (tank 50) with a similar tank (also to be known as tank 50) in this Significant Permit Revision to a FESOP. This change will not result in an increase in throughput or increase in emissions for tank #50. This tank replacement is permitted pursuant to 326 IAC 2-8-10(a)(13) and (14).

Conditions D.1.4 and D.1.7(b) in FESOP 097-18042-00286, issued on April 28, 2005 regarding Tank 2 are removed in this Significant Permit Revision. This condition required the source to keep records of the dimensions and capacity of Tank 7 pursuant to 326 IAC 12, which incorporated the old version of Subpart Kb. 40 CFR 60, Subpart Kb was revised on October 15, 2003, and the recordkeeping requirements no longer required to Tank 2 under the Federal Rule. The revisions to 40 CFR 60, Subpart Kb were incorporated into the Indiana SIP on November 14, 2005.

#### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

...

- (f) The following tanks with over 1 ton per year HAP potential:

...

Tank 59, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.  
~~Tank 80, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1979.~~  
~~Tank 81, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1979.~~

#### A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

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

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

- (a) Tank 1, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 3, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 4, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1980.  
Tank 5, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 6, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 7, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 13, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 14, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 15, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 20, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 21, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 22, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 23, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 24, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 26, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 27, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 28, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 29, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 30, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 31, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.

Tank 32, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
~~Tank 32, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.~~  
Tank 33, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 34, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1974.  
Tank 35, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 36, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 37, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 38, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 39, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
Tank 40, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1974.  
~~Tank 50, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.~~  
**Tank 50, horizontal tank with a storage capacity of 10,000 gallons, constructed in 2006.**  
Tank 54, fixed roof tank with a storage capacity of 7,000 gallons, constructed in 1980.  
Tank 55, fixed roof tank with a storage capacity of 11,000 gallons, constructed in 1974.  
Tank 60, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1994.  
Tank 61, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1990.  
Tank 62, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1982.  
Tank 63, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 64, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 65, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1995.  
Tank 66, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1982.  
Tank 67, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1984.  
Tank 68, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1984.  
~~Tank 69, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1984.~~  
~~Tank 70, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.~~  
Tank 71, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.  
Tank 72, fixed roof tank with a storage capacity of 1,500 gallons, constructed in 1990.  
~~Tank 73, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.~~  
**Tank 76, fixed roof tank with a storage capacity of 4,500 gallons, constructed in 2002.**  
**Tank 80, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.**  
**Tank 81, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.**  
**Tank 82, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.**  
**Tank 83, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.**  
**Tank 84, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.**  
Tank B1, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1973.  
Tank B2, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1973.  
Tank B3, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.  
Tank B4, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1990.  
Tank B5, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.  
Tank B6 fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.  
Tank B7, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.  
Tank B8, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.  
Tank B9, fixed roof tank with a storage capacity of 675 gallons, constructed in 1992.  
**Tank M-1, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1990.**  
**Tank M-2, fixed roof tank with a storage capacity of 400 gallons, constructed in 1990.**  
**Tank M-3, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1992.**  
**Tank M-4, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.**  
**Tank M-5, fixed roof tank with a storage capacity of 4,000 gallons, constructed in**

**2006.**

(b) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:

(1) **One (1) natural gas-fired hot oil heater, identified as HO1, 8.5 MMBtu/hr.**

(2) **One (1) natural gas-fired boiler, identified as Boiler1, constructed in 2006, with a maximum capacity of 3.15 MMBtu/hr.**

...

**SECTION D.1**

**FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-8-4(10)]:

- (a) Loading Rack for receiving and shipping chemicals and solvents (via rail car or tank truck and containerized), with maximum capacity of 65,700,000 gallons per year of bulk or containerized receipts.
- (b) Blending operation, consisting of pumps, hoses, and blend tanks, used for making custom solvent blends, with maximum capacity of 39,420,000 gallons per year. Finished blends are packaged directly from the blend tanks or transferred to storage tanks.
- (c) Compounding Operations, consisting of mix, blend, and storage tanks, used for the compounding of water based cleaners with low VOC type additives, with maximum capacity of 39,420,000 gallons per year. Finished blends are packaged directly from the mix tanks or transferred to storage tanks.
- (d) Container Filling Operations, with maximum capacity of 39,420,000 gallons per year. Containers (drums, pails, and totes) are filled from other containers, blend tanks or bulk storage tanks prior to shipment with straight products and blends.
- (e) Special Processing Unit, identified as TEA1, with maximum processing capacity of 18,980,000 gallons per year of spent scrubber solutions from foundries air pollution control devices, exhausting to Stack ID TEA1, constructed in 1996. Specification amine products are filled into containers for distribution. Amines (primarily TEA) emissions and odors are controlled by a liquid scrubber unit, identified as TEA Scrubber System, consisting of series of drums and a plastic tote that contain the acid and water mixture.

The following tanks with over 1 ton per year HAP potential:

- Tank 2, fixed roof tank with a storage capacity of 25,000 gallons, constructed in 1995.
- Tank 8, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
- Tank 9, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
- Tank 10, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
- Tank 11, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
- Tank 12, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
- Tank 16, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
- Tank 17, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1974.
- Tank 18, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
- Tank 19, fixed roof tank with a storage capacity of 20,000 gallons, constructed in 1973.
- Tank 25, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1981.
- Tank 41, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
- Tank 42, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 43, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 44, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 45, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1973.
- Tank 46, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.
- Tank 47, fixed roof tank with a storage capacity of 30,000 gallons, constructed in 1972.



Tank 81, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 82, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 83, fixed roof tank with a storage capacity of 6,100 gallons, constructed in 2006.  
Tank 84, fixed roof tank with a storage capacity of 6,500 gallons, constructed in 2006.  
Tank B1, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1973.  
Tank B2, fixed roof tank with a storage capacity of 6,000 gallons, constructed in 1973.  
Tank B3, fixed roof tank with a storage capacity of 3,000 gallons, constructed in 1990.  
Tank B4, fixed roof tank with a storage capacity of 5,000 gallons, constructed in 1990.  
Tank B5, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.  
Tank B6 fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.  
Tank B7, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1994.  
Tank B8, fixed roof tank with a storage capacity of 1,100 gallons, constructed in 1994.  
Tank B9, fixed roof tank with a storage capacity of 675 gallons, constructed in 1992.  
Tank M-1, fixed roof tank with a storage capacity of 1,000 gallons, constructed in 1990.  
Tank M-2, fixed roof tank with a storage capacity of 400 gallons, constructed in 1990.  
Tank M-3, fixed roof tank with a storage capacity of 2,000 gallons, constructed in 1992.  
Tank M-4, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.  
Tank M-5, fixed roof tank with a storage capacity of 4,000 gallons, constructed in 2006.

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

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 2-8-4(1)] [326 IAC 2-3]

Pursuant to 326 IAC 2-8-4(1), the Permittee shall limit the VOC materials usage to emissions from the Loading Rack, Blending Operation, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, combined with the amount of VOC used in the degreasing operations, such that VOC emissions shall be limited to less than 400 ~~98~~ tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Combined with the limits in Condition D.2.2, compliance with the above limits ensures that the VOC emissions from this entire source are limited to less than 100 tons per year. Compliance with these limits makes such that the requirements of the Part 70 Operating Permit, Regulation 326 IAC 2-7, and 326 IAC 2-3 (Emission Offset) shall not apply ~~applicable~~.

D.1.3 Hazardous Air Pollutants (HAP) [326 IAC 2-8-4(1)]

Pursuant to 326 IAC 2-8-4(1), the Permittee shall limit the HAP materials usage to the Loading Rack, Blending operation, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, combined with the amount of HAP used in the degreasing operations (listed in Section D.2), such that HAP emissions shall be limited the Permittee shall limit the emissions of any single HAP to less than 40 ~~nine and eight-tenths (9.8)~~ tons per twelve (12) consecutive month period for any single HAP and the emissions of any combination of HAPs to less than 25 ~~twenty-four and five-tenths (24.5)~~ tons per twelve (12) consecutive month period for any combination of HAPs with compliance determined at the end of each month.

These limits, combined with the HAP usage limits in Condition D.2.2 and the HAP emissions from the other emission units at this source, will limit the source-wide emissions of HAPs to less than ten (10) tons of a single HAP and less than twenty-five (25) tons of a combination of HAPs per twelve (12) consecutive month period. Compliance with these limits makes such that the requirements of the Part 70 Operating Permit Program 326 IAC 2-7 shall not apply ~~not applicable to this source~~.

D.1.4 Volatile Organic Storage Vessels [40 CFR 60, Subpart Kb] [326 IAC 12-1]

Pursuant to 40 CFR 60, Subpart Kb, the owner or operator of the affected storage vessel, identified as Tank 2, shall comply with requirements of 40 CFR 60.116(a) and (b).

D.1.54 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

**D.1.65 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 8-1-2][326 IAC 8-1-4]**

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**D.1.76 Record Keeping Requirements**

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- (a) To document compliance with Conditions D.1.1, D.1.2, D.1.3, the Permittee shall keep records of chemicals inventory and throughput for each transfer and storage operation (input and output data of Chempax system and TANKS program). Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period and shall include, but not limited to:
  - (1) the number of gallons of each solvent **used**;
  - ...
- ~~(b)~~ To document compliance with Condition D.1.4, the permittee shall keep all records required in 40 CFR 60.116 (a) & (b) for Storage Tank 2 for the life of the tank.
- ~~(c)~~ To document compliance with Condition D.1.5, the Permittee shall maintain a log of inspections prescribed by the Preventive Maintenance Plan.
- ~~(d)~~ All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**D.1.87 Reporting Requirements**

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**SECTION D.2 FACILITY OPERATION CONDITIONS**

Facility Description [326 IAC 2-8-4(10)]:

Insignificant Activities:

- ~~(a)~~ Natural gas-fired Hot Oil Heater, identified as HO1, 8.3 MMBtu/hr.
- (b) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:**
  - (1) One (1) natural gas-fired hot oil heater, identified as HO1, 8.3 MMBtu/hr.**
  - (2) One (1) natural gas-fired boiler, identified as Boiler1, constructed in 2006, with a maximum capacity of 3.15 MMBtu/hr.**
- ~~(b)~~**(e)** Degreasing operations that do not exceed 145 gallons per twelve (12) months, except if subject to 326 IAC 20-6.
- ~~(c)~~**(g)** The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, and welding equipment.
- ~~(d)~~**(i)** Structural steel and bridge fabricating activities using 80 tons or less of welding consumables.

**D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]**

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- (a)** Particulate emissions from the natural gas fired 8.3 MMBtu per hour Hot Oil Heater, Emission Unit ID HO1, shall be limited to less than 0.6 pounds per million Btu of heat input.
- (b)** Particulate emissions from the natural gas fired 3.15 MMBtu per hour Boiler, Emission Unit ID Boiler1, shall be limited to less than 0.578 pounds per million Btu

**of heat input.**

2. IDEM and OES have also made changes to the FESOP limit conditions in the permit, in order to make these limits practically enforceable.

**D.2.2 FESOP Limit: VOC and HAP [326 IAC 2-8-4(1)] [326 IAC 2-3]**

---

- (a) Pursuant to 326 IAC 2-8-4(1), the Permittee shall limit the VOC materials usage to the Degreasing Operations, combined with the VOC materials usage to the Loading Rack, Blending Operation, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, such that the VOC emissions shall be limited to less than ninety-eight (98) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Combined with the limits in Condition D.1.1, the above limit ensures that the VOC emissions from this entire source are limited to less than 100 tons per year. Compliance with these limits makes the requirements of the Part 70 Operating Permit, (326 IAC 2-7), and 326 IAC 2-3 (Emission Offset) not applicable.
- (b) Pursuant to 326 IAC 2-8-4(1), the Permittee shall limit the HAP materials usage to the Loading Rack, Blending Operation, Compounding Operations, Container Filling Operations, Special Processing Unit (TEA1), the significant tanks, and the insignificant tanks, combined with the HAP materials usage in the degreasing operations, such that the HAP emissions shall be limited to less than nine and eight-tenths (9.8) tons per twelve (12) consecutive month period for any single HAP and less than twenty-four and five-tenths (24.5) tons per twelve (12) consecutive month period for any combination of HAPs, with compliance determined at the end of each month. This limit, combined with the HAP limits in Condition D.1.3 and the HAP emissions from the other emission units at this source, will limit the source-wide emissions of HAPs to less than ten (10) tons of a single HAP and less than twenty-five (25) tons of a combination of HAPs per twelve (12) consecutive month period. Compliance with these limits makes the requirements of the Part 70 Operating Permit Program 326 IAC 2-7 not applicable to this source.

**D.2.23 Particulate emission limitations, work practices, and control technologies [326 IAC 6-3-2]**

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**D.2.34 Cold Cleaner Degreaser Operation and Control [326 IAC 8-3-5]**

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**D.2.5 Record Keeping Requirements**

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- (a) To document compliance with Condition D.2.2, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and the HAP usage limits established in Condition D.2.2 for the degreasing operations. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
  - (1) The amount, VOC and HAP content of each degreasing solvent used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used;
  - (2) The total VOC and HAP usage for each month; and
  - (3) The weight of VOCs and HAPs emitted for each compliance period
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## D.2.6 Reporting Requirements

**A quarterly summary of the information to document compliance with Condition D.2.2 shall be submitted to the addresses 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).**

### FESOP Quarterly Report

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286  
Facility: **Loading Rack, Bulk Chemical Blending, Compounding Operations, Packaging, Storage, and Distribution Operation, Special Processing Unit (TEA1), Significant Tanks, Insignificant Tanks, and Degreasing Operations**  
Parameter: Volatile Organic Compound Emissions  
Limit: less than ~~400~~ **98** tons of VOC per twelve consecutive month period, rolled monthly

### FESOP Quarterly Report

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286  
Facility: **Loading Rack, Bulk Chemical Blending, Compounding Operations, Packaging, Storage, and Distribution Operation, Special Processing Unit (TEA1), Significant Tanks, Insignificant Tanks, and Degreasing Operations**  
Parameter: HAP Emissions  
Limit: less than ~~40~~ **9.8** tons of an individual HAP per twelve consecutive month period, rolled monthly.

### FESOP Quarterly Report

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286  
Facility: **Loading Rack, Bulk Chemical Blending, Compounding Operations, Packaging, Storage, and Distribution Operation, Special Processing Unit (TEA1), Significant Tanks, Insignificant Tanks, and Degreasing Operations**  
Parameter: Hazardous Air Pollutant Emissions  
Limit: less than ~~25~~ **24.5** tons of any combination of HAPs per twelve consecutive month period, rolled monthly.

Upon further review, IDEM, OAQ and OES have decided to make the following changes:

1. The mailing address for IDEM, OAQ has been changed throughout the permit as shown below.

Indiana Department of Environmental Management  
100 North Senate Avenue, ~~P.O. Box 6015~~  
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

2. IDEM, OAQ has included provisions of 326 IAC 2-1.1-9.5 as shown. Prior Permits Superseded condition was removed from Section A (Source Summary) and placed in Section B (General Conditions). The remaining conditions in Section B were renumbered accordingly.

~~A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]~~

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- ~~(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.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to 097-18042-00286 and issued pursuant to permitting programs approved into the state implementation plan have been either**
- (1) incorporated as originally stated,**
- (2) revised, or**
- (3) deleted.**
- (b) All previous registrations and permits are superseded by this permit.**

3. IDEM, OAQ has moved the Permit No Defense condition from B.1 to the cover page of the permit.

~~B.1 Permit No Defense [IC 13]~~

---

~~Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 FESOP under 326 IAC 2-8.~~

*(permit cover page)*

**Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 FESOP under 326 IAC 2-8.**

4. IDEM, OAQ has clarified Condition B.2 – Permit Term (formerly B.3) as follows:

**B.32 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]**

---

- (a) This permit, 097-18042-00286, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.**
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.**

5. IDEM, OAQ has included Term of Conditions pursuant to 326 IAC 2-1.1-9.5 as shown. The remaining conditions under Section B were renumbered accordingly.

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

---

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

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or**
- (b) the emission unit to which the condition pertains permanently ceases operation.**

6. Condition B.11 was revised as shown.

**B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]**

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- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted ~~in letter form~~ no later than April 15 of each year to:

7. IDEM, OAQ has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM, OAQ has revised Section B.12 – Preventive Maintenance Plan, and has amended item (e) of Section B.14 – Emergency Provisions as follows:

**B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]**

---

...

- ~~(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~
- (eb)** A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs ~~does~~ not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**B.13 Emergency Provisions [326 IAC 2-8-12]**

---

...

- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.**

...

8. The phone contact and facsimile numbers for IDEM have been updated as follows:

**B.13 Emergency Provisions [326 IAC 2-8-12]**

---

...

- (b) ...
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and OES, 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 No.: 1-800-451-6027 (ask for IDEM, OAQ, Compliance Section) or,  
Telephone No.: 317-233-~~5674~~ **0178** (ask for IDEM, OAQ, Compliance Section)  
Facsimile No.: 317-233-~~5967~~ **6865**

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
P.O. Box 6015  
100 North Senate Avenue  
Indianapolis, Indiana 46206-6015  
Phone: 317-233-~~5674~~ **0178**  
Fax: 317-233-~~5967~~ **6865**

and  
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis, IN 46221-2209

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
EMERGENCY OCCURRENCE REPORT

Source Name: Superior Oil Company, Inc.  
Source Address: 400 West Regent Street, Indianapolis, Indiana 46225  
Mailing Address: 400 West Regent Street, Indianapolis, Indiana 46225  
FESOP No.: 097-18042-00286

This form consists of 2 pages

Page 1 of 2

- |   |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none"><li>• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-<del>5674</del> <b>0178</b>, ask for Compliance Section); and</li><li>• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-<del>5967</del> <b>6865</b>), and follow the other requirements of 326 IAC 2-7-16</li></ul> |
|---|

9. For clarification, Condition B.18 – Operational Flexibility has been revised as shown below.

**B.4819** Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

(a) . . .

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

. . .

(5) The Permittee maintains records on-site, **on a rolling five (5) year basis**, which document, ~~on a rolling five (5) year basis~~, all such changes and emissions ~~trading~~ **trades** that are subject to 326 IAC 2-8-15(b). ~~through (d)~~ **The Permittee shall make and make** such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

(b) Emission Trades [326 IAC 2-8-15(c)]

The Permittee may trade **emissions** increases and decreases ~~in emissions in~~ **at** the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

10. The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Condition C.1 (a) has been deleted. Condition D.1.1 was revised as shown.

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

11. The Overall Source Limit condition for a FESOP has been revised to address that PM needs to be limited for PSD avoidance.

C.2 Overall Source Limit [326 IAC 2-8]

---

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

- (a) Pursuant to 326 IAC 2-8:
- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.
  - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
  - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.**
- ~~(b)(c)~~ This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above-specified limits.
- ~~(e)(d)~~ Section D of this permit contains independently enforceable provisions to satisfy this requirement.

12. IDEM, OAQ has determined that in order to avoid duplication of requirements which may be included in D sections, Condition C.7 shall be removed from the permit. Remaining conditions under Section C were renumbered accordingly.

~~C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]~~

---

~~Except as otherwise provided by statute, 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 unit vented to the control equipment is in operation.~~

13. IDEM, OAQ realizes that the specifications of Condition C.12 (formerly C.13) can only be practically applied to analog units, and has therefore clarified the condition to state that the condition only applies to analog units. Upon further review, IDEM has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the accuracy requirements have been removed from the condition.

~~C.1312 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(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 ( $\pm 2\%$ ) of full scale reading.~~

~~(b) Whenever a condition in this permit requires the measurement of a temperature, flow rate, or pH level, 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 ( $\pm 2\%$ ) of full scale reading.~~

~~(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.~~

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

**(db) The Permittee may request the IDEM, OAQ, and OES approve the use of a pressure gauge or other an 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 the parameters.**

14. The requirement to use an Indiana Accredited Asbestos Inspector is federally enforceable so the sentence stating that it is not has been removed.

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

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

13. IDEM, OAQ has updated Condition C.17 (formerly C.18) - General Reporting Requirements as shown.

**C.1817** General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

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- (a) The ~~source~~ **Permittee** shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

<b>Conclusion</b>
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This permit revision shall be subject to the conditions of the attached proposed FESOP Significant Permit No. 097-22820-00286.

**Appendix A: Emission Calculations**

Company Name: Superior Oil Company, Inc.  
Address: 400 West Regent Street, Indianapolis, Indiana  
SPR to FESOP: 097-22820-00286  
Permit Reviewer: ERG/ST  
Date: August 16, 2006

**Storage Tank Emissions Summary**

Tank	Contents	PTE of VOC Working Losses (lbs/year)	PTE of VOC Breathing Losses (lbs/year)	PTE of HAPs (lbs/year)
80	Monoethanolamine	0.1	0.14	0
81	N-95 Surfactant	0.39	0	0
82	Sodium Xylene Sulfonate	11.6	6.15	17.8
83	(Inorganic)	0	0	0
84	(Inorganic)	0	0	0
Totals		12.1	6.29	17.8

This information is from TANKS 4.0 calculations provided by the Permittee in their application.

**Appendix A: Emission Calculations**

Company Name: Superior Oil Company, Inc.  
 Address: 400 West Regent Street, Indianapolis, Indiana  
 SPR to FESOP: 097-22820-00286  
 Permit Reviewer: ERG/ST  
 Date: August 16, 2006

**Solvent Blending Operations**

	Product	Quantity (gals)	PTE of VOC Blending (lbs/year)	PTE of VOC Loading (lbs/year)	PTE of Methanol (lbs/year)	PTE of Methylene Chloride (lbs/year)	PTE of MIBK (lbs/year)	PTE of Perc (lbs/year)	PTE of Toluene (lbs/year)	PTE of Xylene (lbs/year)
Tank M-4	Superclean 170	16,775	40.0	103	0	0	0	0	0	0
	Septi-Clean	7,202	20.6	324	0	0	0	0	0	0
	Superclean 1770	1,610	2.7	24.4	0	0	0	0	0	0
	S-2092 Solvent Blend	30,775	77.4	114	191	0	0	0	0	0
	Superclean 1740	1,183	2.8	26.2	0	0	0	0	0	0
Tank M-5	Solvent Blends	**	6,318		293	702	52.9	18.7	338	34.6
<b>Totals</b>			7,053		484	702	52.9	18.7	338	34.6

This information is from calculations provided by the Permittee in their application.

\*\* Information on maximum quantity of solvent blends produced by the Permittee is not available.

**Appendix A: Emission Calculations**

Company Name: Superior Oil Company, Inc.  
 Address: 400 West Regent Street, Indianapolis, Indiana  
 SPR to FESOP: 097-22820-00286  
 Permit Reviewer: ERG/ST  
 Date: August 16, 2006

**Emissions From the Natural Gas-fired Boiler**

Emission Unit Description	Emission Unit ID	Heat Input Capacity (MMBtu/hour)	Maximum Potential Throughput (MMCF/year)
Natural Gas-Fired Boiler	B1	3.15	27.1

Pollutant Emission Factors (lbs/MMCF)						
PM*	PM10*	SO <sub>2</sub>	NO <sub>x</sub> **	CO	VOC	HAPs
1.9	7.6	0.6	100	84.0	5.5	1.89

Potential To Emit (tons/year)						
PM	PM10	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC	HAPs
0.03	0.10	0.01	1.35	1.14	0.07	0.03

\* PM emission factor is for filterable PM only. PM10 emission factor is for condensable and filterable PM and PM10 combined.

\*\*Emission factor for NO<sub>x</sub>: Uncontrolled = 100 lbs/MMCF

Emission factors are from AP-42, Chapter 1.4 - Natural Gas Combustion, Tables 1.4-1, 1.4-2, 1.4-3 and 1.4-4. SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03. (AP-42 Supplement D 7/98)

1 MMBtu = 1,000,000 Btu

1 MMCF = 1,000,000 cubic feet of gas

All emission factors are based on normal firing.

**Methodology**

Max. Potential Throughput (MMCF/year) = Heat Input Capacity (MMBtu/hour) x 8,760 (hours/year) x 1 MMCF/1,020 MMBtu

PTE (tons/year) = Max. Potential Throughput (MMCF/year) x Emission Factor (lbs/MMCF) x 1 ton/2,000 lbs

**Appendix A: Emission Calculations  
VOC and HAP Emissions From Degreaser**

Company Name: Superior Oil Company, Inc.  
Address: 400 West Regent Street, Indianapolis, Indiana  
FESOP: 097-22820-00286  
Permit Reviewer: ERG/ST  
Date: August 16, 2006

Emissions Unit	Material	Density (lbs/gal)	Weight % VOC	Maximum Usage (gal/year)	PTE of VOC (tons/year)
Degreaser (D-1)	Mineral Spirits	6.55	100%	120	0.39

Note: the degreaser is an existing emissions unit.  
The degreaser solvents do not contain HAPs.

**METHODOLOGY**

$$\text{PTE of VOC (tons/year)} = \text{Density (lbs/gal)} \times \text{Weight \% VOC} \times \text{Maximum Usage (gal/year)} \times 1 \text{ ton}/2000 \text{ lbs}$$