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

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: March 25, 2009

RE: ExxonMobil Oil Corporation / 089-27595-00233

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

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot12/3/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mr. Timothy E. Long
ExxonMobil Oil Corporation
1527-141st Street
Hammond, IN 46320

March 25,2009

Re: 089-27595-00233
Administrative Amendment to
Part 70 Operating Permit T089-15418-00233

Dear Mr. Long:

On March 10, 2009, the Office of Air Quality (OAQ) received an application from ExxonMobil Oil Corporation to administratively amend their existing Title V operating permit T089-15418-00233. ExxonMobil made a request to construct a new biodiesel storage tank for biodiesel fuel as a renewable fuel under the RFS program to the distillate fuels distributed from the Hammond terminal.

Emission Unit Description(s)

(a) One (1) electrically-heated fixed-roof biodiesel storage tank of approximately 450,000 gallon capacity, identified as Tank 100 for the storage of B100, constructed in 2009. Tank to be fitted at permittees discretion, with an internal floating roof for purposes of maintaining product quality. The floating roof is not required to comply with air emission regulations and is therefore is not subject to any associated requirement.

(b) One (1) biofuel pump and piping system, constructed in 2009 for transferring of B100 fuel from the delivery tank trucks to Tank 100 and from Tank 100 to the product loading rack for mixing with distillate products and subsequent loading onto tank trucks.

Pursuant to the provisions of 326 IAC 2-7-11(a)(8)(A), an Administrative Amendment is hereby approved as described in the attached Technical Support Document (TSD). Please find enclosed the entire amended permit document for final issuance.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Josiah Balogun at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5257 or toll free at 1-800-451-6027 extension 4-5257.

Sincerely,

Tripurari Sinha

Tripurari P. Sinha, Ph.D., Section Chief
Permits Branch
Office of Air Quality

cc: File – Lake County
U.S. EPA, Region V
Lake County Health Department
Compliance and Enforcement Branch

IDEM

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Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

ExxonMobil Oil Corporation
1527-141st Street
Hammond, Indiana 46320

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

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

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

Operation Permit No.: T089-15418-00233	
Original Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 27, 2005
Original Issued by: Ronald L. Novak, Director Hammond Department of Environmental Managment	Expiration Date: June 27, 2010

Administrative Amendment No.: T089-27595-00233	
Issued by: Tripurari Sinha Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: March 25, 2009 Expiration Date: June 27, 2010

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary Petroleum Bulk Terminal Operation.

Source Address:	1527-141st Street, Hammond, Indiana 46320
Mailing Address:	1527-141st Street, Hammond, IN 46320
General Source Phone Number:	219-933-6051
SIC Code:	5171
County Location:	Pike
Source Location Status:	Nonattainment for O3 and PM2.5 standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

(a) One (1) Tank Truck Loading Operation, identified as LR-1, where gasoline, denatured ethanol, and distillates (including biofuels) are bottom-loaded into transport trucks. Displaced hydrocarbon emissions are controlled by a John Zink Carbon Adsorption/Absorption Vapor Recovery Unit (VRU). The loading operation includes five (5) loading bays and has a maximum loading capacity of 144,000 gallons per hour. The loading facility was installed in 1961 and was modified in 1991. The VRU was installed in 1991.

(b) Four (4) petroleum liquid (gasoline, distillate, or denatured ethanol) storage tanks, identified as tanks No. 116, 154, 155, and 156. Tank specifications are as follows:

(1) Storage Tank No. 116 is an open floater tank equipped with a geodesic dome. The floating roof is equipped with a mechanical shoe seal and rim mounted wiper secondary seal. The tank has a maximum capacity of 1,890,000 gallons. The tank was constructed in 1961.

(2) Storage Tank No. 154 has an internal floating roof equipped with a mechanical shoe seal and rim mounted wiper secondary seal. The tank has a maximum capacity of 4,987,500 gallons. The tank was constructed in 1951.

(3) Storage Tank No. 155 has an internal floating roof equipped with a mechanical shoe seal and rim mounted wiper secondary seal. The tank has a maximum capacity of 5,040,000 gallons. The tank was constructed in 1955.

(4) Storage Tank No. 156 has an internal floating roof equipped with a mechanical shoe seal and rim mounted wiper secondary seal. The tank has a maximum

capacity of 5,040,000 gallons. The tank was constructed in 1955.

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

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

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

(a) The following storage tanks with capacities less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(1) Non Taxable Red Dye Diesel Tank A5 is a horizontal fixed roof tank storing distillate dye additive with a maximum design capacity of 250 gallons. The tank was constructed in 1995.

(2) Heating Oil Tank O1 is an underground, horizontal fixed roof tank storing No. 2 fuel oil with a maximum design capacity of 1,000 gallons. The tank was constructed in 1961.

(3) Heating Oil Tank G1 is an underground, horizontal fixed roof tank storing No. 2 fuel oil with a maximum design capacity of 1,000 gallons. The tank was constructed in 1961.

(4) Heating Oil Tank G2 is an underground, horizontal fixed roof tank storing No. 2 fuel oil with a maximum design capacity of 1,000 gallons. The tank was constructed in 1961.

(b) The following storage tanks which emit less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC:

(1) Storage Tank No. 37 is a fixed cone roof tank storing wastewater with a maximum design capacity of 84,000 gallons. The tank was constructed in 1971.

(2) Storage Tank No. 115 is a fixed cone roof tank storing distillates with a maximum design capacity of 1,617,927 gallons. The tank was constructed in 1961.

(3) Storage Tank No. 152 is a fixed cone roof tank storing distillates with a maximum design capacity of 5,040,000 gallons. The tank was constructed in 1951.

(4) Storage Tank No. 153 is a fixed cone roof tank storing distillates with a maximum design capacity of 5,040,000 gallons. The tank was constructed in 1951.

(5) East Ethanol Tank E1 has an internal floating roof and stores denatured ethanol with a maximum design capacity of 30,000 gallons. The tank was constructed in 1982.

(6) West Ethanol Tank E2 is a horizontal fixed roof tank storing denatured ethanol with a maximum design capacity of 30,000 gallons. The tank was constructed in 1982.

(7) Generic Additive Tank A1 is a horizontal fixed roof tank storing additives with a maximum design capacity of 8,000 gallons. The tank was constructed in 1988.

(8) Diesel Additive Tank A2 is a horizontal fixed roof tank storing additives with a

maximum design capacity of 8,000 gallons. The tank was constructed in 1991.

(9) Mobil Additive Tank A3 is a horizontal fixed roof tank storing additives with a maximum design capacity of 8,000 gallons. The tank was constructed in 1994.

(10) Additive Tank A4 is a horizontal fixed roof tank storing additives with a maximum design capacity of 8,000 gallons. The tank was constructed in 1995.

(11) Own Use Diesel Tank A6 is a horizontal fixed roof tank storing additives with a maximum design capacity of 6,000 gallons. The tank was constructed in 1994.

(12) Emergency Overfill Tank B1 is an underground, horizontal fixed roof tank storing transmix with a maximum design capacity of 10,000 gallons. The tank was constructed in 1961.

(13) Emergency Overfill Tank B2 is an underground, horizontal fixed roof tank storing transmix with a maximum design capacity of 6,000 gallons. The tank was constructed in 1961.

(14) Emergency Overfill Tank B3 is an underground, horizontal fixed roof tank storing transmix with a maximum design capacity of 1,000 gallons. The tank was constructed in 1961.

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

(d) Space heaters, process heaters, or boilers using the following fuels. Fuel oil-fired combustion sources with heat input equal to or less than two million (2,000,000) Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.

(e) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month. (Own use fueling ExxonMobil vehicles only).

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

(g) One (1) electrically-heated fixed-roof biodiesel storage tank of approximately 450,000 gallon capacity, identified as Tank 100 for the storage of B100, constructed in 2009. Tank to be fitted at permittees discretion, with an internal floating roof for purposes of maintaining product quality. The floating roof is not required to comply with air emission regulations and is therefore is not subject to any associated requirement.

(h) One (1) biofuel pump and piping system, constructed in 2009 for transferring of B100 fuel from the delivery tank trucks to Tank 100 and from Tank 100 to the product loading rack for mixing with distillate products and subsequent loading onto tank trucks.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because It is a major source, as defined in 326 IAC 2-7-1(22).

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T089-15418-00233, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

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

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

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

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

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

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

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

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

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

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

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

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

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

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

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

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

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

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

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

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

and

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

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

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

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

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

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

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

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

(b) 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.

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

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

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

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

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

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

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

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

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and Northwest Regional Office within four (4) daytime business hours after

the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.

(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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

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

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

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

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

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

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

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency

provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) All terms and conditions of permits established prior to T089-15418-00233 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

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

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

(b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control)

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

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

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

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

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

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

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

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

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit.

[326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(1) That this permit contains a material mistake.

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

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

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

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

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

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

Request for renewal shall be submitted to:

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

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

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

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

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

deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12] [40 CFR 72]

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

(b) Pursuant to 326 IAC 2-7-11(b) and 326 IAC 2-7-12(a), administrative Part 70 operating permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]

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

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

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

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

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

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

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

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

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

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

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

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

(4) The Permittee notifies the:

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

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

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

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

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

(3) Any change in emissions; and

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

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

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

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

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

(f) This condition does not apply to emission trades of SO_2 or NO_X under 326 IAC 21 or 326 IAC 10-4.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

C.1 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (20%) 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.2 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

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

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

C.5 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

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

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

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

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

(g) Indiana Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue

MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

C.7 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.8 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later. 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

C.9 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.10 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

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

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

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

C.11 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 maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.

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

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

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

C.13 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan under 40 CFR 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ and HDEM upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of

this permit; and an expected timeframe for taking reasonable response steps.

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

The OMM Plan shall be submitted within the time frames specified by the applicable 40 CFR 60/63 requirement.

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

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan; or

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

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten 10 days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ and HDEM of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.

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

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

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

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

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

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

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

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

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

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

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

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

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

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

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

C.15 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), the Permittee shall submit by July 1 an emission statement covering the previous calendar year as follows:

(1) starting in 2007 and every three (3) years thereafter, and

(2) any year not already required under (1) if the source emits volatile organic compounds or oxides of nitrogen into the ambient air at levels equal to or greater than twenty-five (25) tons during the previous calendar year.

(b) The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

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

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

The emission statement must be submitted to:

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

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

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

C.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

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

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later.

C.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

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

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue

MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

Stratospheric Ozone Protection

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

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

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

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

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

One (1) Tank Truck Loading Operation, identified as LR-1, where gasoline, denatured ethanol and distillates (including biofuels) are bottom-loaded into transport trucks. Displaced hydrocarbon emissions are controlled by a John Zink Carbon Adsorption/Absorption Vapor Recovery Unit (VRU). The loading operation includes five (5) loading bays and has a maximum loading capacity of 144,000 gallons per hour. The loading facility was installed in 1961 and was modified in 1991. The VRU was installed in 1991. (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

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

D.1.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the loading rack except when otherwise specified in 40 CFR 60, Subpart XX.

D.1.2 Volatile Organic Compound (VOC) [326 IAC 12][40 CFR 60, Subpart XX][326 IAC 8-4-4][326IAC 8-4-9]

(a) The Tank Truck Loading Rack shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading and direct the vapors to the Vapor Recovery Unit (VRU).

(b) No loading of gasoline into tank trucks shall take place unless the VRU is: in operation, in good working order, and in compliance with D.1.2(c). Denatured ethanol and distillate having a Reid vapor pressure less than twenty-seven and six-tenths (27.6) kilopascals may be loaded without the VRU being in operation provided the tank truck being loaded did not contain gasoline on the immediately previous load. When not utilizing the VRU to control emissions during loading of tank trucks, the Permittee shall obtain a certification from the driver of each tank truck attesting that the tank truck did not contain gasoline on the immediately previous load.

(c) The emissions to the atmosphere from the VRU due to the loading of liquid product into gasoline tank trucks are not to exceed thirty-five (35) milligrams of total organic compounds per liter of gasoline loaded, except as noted in paragraph (c) of 40 CFR 60.502.

(d) Each vapor collection system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack.

(e) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:

(1) The Permittee shall obtain the vapor tightness documentation described in 40 CFR 60.505(b) for each gasoline tank truck which is to be loaded at the affected facility.

(2) The Permittee shall review the vapor tightness documentation to insure that each gasoline truck has successfully demonstrated vapor tightness according to the procedures in 40 CFR Part 60, Method 27. Each tank truck must be tested annually. During the test, the tank truck must:

(A) sustain a pressure change of no more than one (1) inch of water in five

(5) minutes when pressurized to eighteen (18) inches of water;

(B) sustain a vacuum change of no more than one (1) inch of water in five (5) minutes when subjected to an initial vacuum of six (6) inches of water.

(C) The tank truck's internal vapor valve shall be tested in accordance with 326 IAC 8-4-9(b)(1)(B). The initial pressure of the tank truck shall be set to eighteen (18) inches of water for the test. The maximum allowable pressure increase in the vapor return line and manifold is five (5) inches of water during the five (5) minute test period.

(3) The Permittee shall record the tank identification number of each gasoline tank truck loaded at the facility.

(4) The Permittee shall cross-check each tank identification number obtained in paragraph D.1.2(f)(3) with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded.

(5) The Permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within 3 weeks after the loading has occurred.

(6) The Permittee shall take steps assuring that the non-vapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained.

(7) Alternate procedures to those described in paragraphs (e)(1) through (5) of 40 CFR 60.502 for limiting gasoline tank truck loadings may be used upon application to, and approval by, the IDEM, OAQ.

(f) The Permittee shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.

(g) The Permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.

(h) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the tank truck from exceeding 4,500 pascals (450 mm of water) and a vacuum from exceeding one thousand five hundred (1,500) pascals (6 inches of water) during product loading. This level is not to be exceeded when measured by the procedures specified in 40 CFR 60.503(d).

(i) The Permittee shall repair and retest a vapor collection or control system that exceeds the limits in D.1.2(i) within fifteen (15) days.

(j) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).

(k) A means shall be provided to prevent liquid drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.

(l) The Permittee shall operate the vapor control system and gasoline loading rack in a

manner that prevents avoidable visible liquid leaks during loading or unloading operations.

(m) All loading and vapor lines are equipped with fittings which make vapor-tight connections and which will be closed upon disconnection.

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

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

Compliance Determination Requirements

D.1.4 Testing Requirements [326 IAC 2-7-6(1)]

A compliance stack test shall be performed to demonstrate compliance with the VOC limit of (35) mg/l of gasoline loaded at the exhaust of the vapor recovery unit. The test shall be completed within eighteen (18) months of issuance of this permit and repeated no less than once every 5 years thereafter. Testing shall be performed in accordance with 326 IAC 3-6 using methods acceptable to the Commissioner.

D.1.5 Inspection Requirements [40 CFR 60, Subpart XX]

Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks in accordance with 40 CFR 60.502(j). The source of the leak shall be repaired within 15 calendar days after it is detected.

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

D.1.6 Monitoring [40CFR 64]

(a) When operating the VRU to control VOC emissions, the Permittee shall monitor and record the carbon bed vacuum pressure during the regeneration cycle. During the loading of gasoline, this parameter shall be recorded at a frequency not to exceed fifteen (15) minutes.

Each scheduled workday, the Permittee shall review the previous day(s) records of carbon bed vacuum pressure ensuring that vacuum pressure exceeded twenty-five (25) inches of mercury in each regeneration cycle. On each scheduled workday the Permittee shall observe one regeneration cycle of each carbon bed, noting the maximum observed temperature on each carbon bed, verifying the switching of beds, and that subsequent regeneration cycles are nominally of 15 minutes in duration. The Compliance Response Plan for this unit shall contain troubleshooting, contingency and corrective actions for when the regeneration cycle exceeds fifteen (15) minutes, carbon bed temperature exceeds one hundred fifty degrees Fahrenheit (150°F), or carbon bed vacuum pressure during the regeneration cycle fails to exceed twenty-five (25) inches of mercury. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

(b) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

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

D.1.7 Record Keeping Requirements

(a) To document compliance with Condition D.1.2(e), the documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results

as determined by Method 27. This documentation shall include, as a minimum, the following:

(1) Test title: Gasoline Delivery Tank Pressure Test - EPA Reference Method 27

(2) Tank owner and address

(3) Tank identification number

(4) Testing location

(5) Date of test

(6) Tester name and signature

(7) Witnessing inspector, if any: Name, signature, and affiliation

(8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs).

(9) Records of repairs including the date of the repair, the type of repair, and the date of the retest.

(b) To document compliance with Condition D.1.5, records of each monthly leak inspection shall be maintained. At a minimum, the following information shall be recorded:

(1) Date of inspection

(2) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).

(3) Leak determination method

(4) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days).

(5) Inspector name and signature.

(c) When the VRU is in operation, to document compliance with Condition D.1.6(a), the Permittee shall maintain a record of the carbon bed vacuum pressure during the regeneration cycle. This parameter shall be recorded at frequency not to exceed fifteen (15) minutes. Each scheduled workday, the Permittee shall record the maximum carbon bed temperature noted during the observed regeneration cycle, record the regeneration cycle time, and confirm the switching of beds. The Permittee shall also maintain a record of all corrective actions, which are implemented when the aforementioned parameters are outside of the ranges listed in Condition D.1.6(a).

(d) When the VRU is not utilized during the loading of tank trucks, to document compliance with Condition D.1.2(b), the Permittee shall obtain a certification from the driver of each tank truck loaded. The certification shall include the following information: date, time, product being loaded, product loaded on the immediately previous shipment, name of the trucking firm or owner, phone number of the trucking firm or owner, printed name of the driver, and signature of the driver attesting to the accuracy of the information provided.

(e) Records of the types of volatile petroleum liquid loaded, quantity of petroleum liquid loaded, and the maximum true vapor pressure of the liquid as loaded shall be maintained

for a minimum of 36 months and made available upon request by IDEM, OAQ. Alternatively, the Permittee may keep records indicating which storage tank was the source of the volatile petroleum liquid loaded, provided the type and true vapor pressure of the liquid in the storage tank is also recorded.

(f) The Permitee shall maintain all records necessary to demonstrate compliance with the Preventive Maintenance Plan required by Condition D.1.3 and outline in Condition B.10.

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

SECTION D.2 FACILITY OPERATION CONDITIONS

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

Four (4) petroleum liquid (gasoline, distillate, or denatured ethanol) storage tanks, identified as Storage Tanks Nos. 116, 154, 155, and 156. Tank specifications are as follows:

(a) Storage Tank No. 116 is an open floater tank equipped with a geodesic dome. The floating roof is equipped with a mechanical shoe seal and rim mounted wiper secondary seal. The tank has a maximum capacity of 1,890,000 gallons. The tank was constructed in 1961.

(b) Storage Tank No. 154 has an internal floating roof equipped with a mechanical shoe seal and rim mounted wiper secondary seal. The tank has a maximum capacity of 4,987,500 gallons. The tank was constructed in 1951.

(c) Storage Tank No. 155 has an internal floating roof equipped with a mechanical shoe seal and rim mounted wiper secondary seal. The tank has a maximum capacity of 5,040,000 gallons. The tank was constructed in 1955.

(d) Storage Tank No. 156 has an internal floating roof equipped with a mechanical shoe seal and rim mounted wiper secondary seal. The tank has a maximum capacity of 5,040,000 gallons. The tank was constructed in 1955.

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

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

D.2.1 Storage Vessels [326 IAC 8-9-4(a)]

Pursuant to 326 IAC 8-9-4(b), tanks 116, 154, 155, and 156 shall not store a volatile organic liquid (VOL) with a vapor pressure greater than or equal to eleven and one-tenth (11.1) psia as stored.

D.2.2 Storage Vessels [326 IAC 8-9-4(c)][326 IAC 8-4-3(b)]

Pursuant to 326 IAC 8-9-4(c), tanks 116, 154, 155, and 156 shall be equipped with a fixed roof in combination with an internal floating roof meeting the following:

(a) The internal floating roof shall float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof.

(b) The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage tank is completely emptied and refilled.

(c) When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

(d) Each internal floating roof shall be equipped with one (1) of the following closure devices between the wall of the vessel and the edge of the internal floating roof:

(1) A foam or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal).

(2) Two (2) seals mounted one (1) above the other so that each forms a continuous

closure that completely covers the space between the wall of the vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.

(3) A mechanical shoe seal that consists of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric, or envelope, spans the annular space between the metal sheet and the floating roof.

(e) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.

(f) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

(g) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e.; no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

(h) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

(i) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

(j) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.

(k) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.

(l) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

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

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

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

D.2.4 Monitoring [326 IAC 8-9-5(b)]

Pursuant to 326 IAC 8-9-5(b), the owner or operator of tanks 116, 154, 155, and 156 shall:

(a) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to the filling of the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the Permittee shall repair the items before filling the storage vessel.

(b) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the Permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from IDEM, OAQ in the inspection report required in 40 CFR 60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions that the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(c) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), gaskets, slotted membranes, and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the Permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years.

(d) Notify IDEM, OAQ in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraph (a) and (c) of this section to afford IDEM the opportunity to have an observer present. If the inspection required by (c) of this section is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the tank, the Permittee shall notify IDEM, OAQ at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the IDEM, OAQ at least 7 days prior to refilling.

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

D.2.5 Record Keeping Requirements

(a) In accordance with 326 IAC 8-9-6(b) the owner or operator of tanks 116, 154, 155, and 156 shall maintain records of each vessel including the vessel identification number, dimensions, capacity, and a description of the emission control equipment shall be maintained for the life of the vessel.

(b) In accordance with 326 IAC 8-9-6(c), a record of each inspection performed as required under Condition D.2.4 shall be maintained and shall identify the following:

(1) The vessel identification number

(2) The date of the inspection

(3) The observed condition of the seal, internal floating roof, and fittings.

(c) Pursuant to 326 IAC 8-4-3(d), the Permittee shall maintain a record of the petroleum liquid or VOL stored in tanks 116, 154, 155, and 156, the period of storage, the maximum

true vapor pressure of that liquid as stored, and the results of the inspections performed on the storage vessels.

(d) The Permitee shall maintain all records necessary to demonstrate compliance with the Preventive Maintenance Plan required by Condition D.2.3 and outline in Condition B.10.

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

D.2.6 Reporting Requirements

A report of any defects (the internal floating roof is not resting on the surface of the VOL, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric) discovered during the annual inspection required in D.2.4 shall be furnished to the IDEM, OAQ within thirty (30) days of the inspection. The report shall identify the vessel identification number, the nature of the defects, and the date the vessel was emptied or the nature of and date the repair was made.

SECTION D.3 FACILITY OPERATION CONDITIONS - INSIGNIFICANT ACTIVITIES

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

Eighteen (18) liquid storage tanks, identified as Non Taxable Red Dye Diesel Tank A5, Heating Oil Tank O1, Heating Oil Tank G1, Heating Oil Tank G2, Storage Tank No. 37, Storage Tank No. 115, Storage Tank No. 152, Storage Tank No. 153, East Ethanol Tank E1, West Ethanol Tank E2, Generic Additive Tank A1, Diesel Additive Tank A2, Mobil Additive Tank A3, Additive Tank A4, Own Use Diesel Tank A6, Emergency Overfill Tank B1, Emergency Overfill Tank B2, and Emergency Overfill Tank B3. Tank specifications are as follows:

(a) Non Taxable Red Dye Diesel Tank A5 is a horizontal fixed roof tank storing distillate dye additive with a maximum design capacity of 250 gallons. The tank was constructed in 1995.

(b) Heating Oil Tank O1 is an underground, horizontal fixed roof tank storing No. 2 fuel oil with a maximum design capacity of 1,000 gallons. The tank was constructed in 1961.

(c) Heating Oil Tank G1 is an underground, horizontal fixed roof tank storing No. 2 fuel oil with a maximum design capacity of 1,000 gallons. The tank was constructed in 1961.

(d) Heating Oil Tank G2 is an underground, horizontal fixed roof tank storing No. 2 fuel oil with a maximum design capacity of 1,000 gallons. The tank was constructed in 1961.

(e) Storage Tank No. 37 is a fixed cone roof tank storing wastewater with a maximum design capacity of 84,000 gallons. The tank was constructed in 1971.

(f) Storage Tank No. 115 is a fixed cone roof tank storing distillates with a maximum design capacity of 1,617,927 gallons. The tank was constructed in 1961.

(g) Storage Tank No. 152 is a fixed cone roof tank storing distillates with a maximum design capacity of 5,040,000 gallons. The tank was constructed in 1951.

(h) Storage Tank No. 153 is a fixed cone roof tank storing distillates with a maximum design capacity of 5,040,000 gallons. The tank was constructed in 1951.

(i) East Ethanol Tank E1 has an internal floating roof and stores denatured ethanol with a maximum design capacity of 30,000 gallons. The tank was constructed in 1982.

(j) West Ethanol Tank E2 is a horizontal fixed roof tank storing denatured ethanol with a maximum design capacity of 30,000 gallons. The tank was constructed in 1982.

(k) Generic Additive Tank A1 is a horizontal fixed roof tank storing additives with a maximum design capacity of 8,000 gallons. The tank was constructed in 1988.

(l) Diesel Additive Tank A2 is a horizontal fixed roof tank storing additives with a maximum design capacity of 8,000 gallons. The tank was constructed in 1991.

(m) Mobil Additive Tank A3 is a horizontal fixed roof tank storing additives with a maximum design capacity of 8,000 gallons. The tank was constructed in 1994.

(n) Additive Tank A4 is a horizontal fixed roof tank storing additives with a maximum design capacity of 8,000 gallons. The tank was constructed in 1995.

(o) Own Use Diesel Tank A6 is a horizontal fixed roof tank storing additives with a maximum design capacity of 6,000 gallons. The tank was constructed in 1994.

(p) Emergency Overfill Tank B1 is an underground, horizontal fixed roof tank storing transmix with a maximum design capacity of 10,000 gallons. The tank was constructed in 1961.

(q) Emergency Overfill Tank B2 is an underground, horizontal fixed roof tank storing transmix with a maximum design capacity of 6,000 gallons. The tank was constructed in 1961.

(r) Emergency Overfill Tank B3 is an underground, horizontal fixed roof tank storing transmix with a maximum design capacity of 1,000 gallons. The tank was constructed in 1961.

(s) One (1) electrically-heated fixed-roof biodiesel storage tank of approximately 450,000 gallon capacity, identified as Tank 100 for the storage of B100, constructed in 2009. Tank to be fitted at permittees discretion, with an internal floating roof for purposes of maintaining product quality. The floating roof is not required to comply with air emission regulations and is therefore is not subject to any associated requirement.

(t) One (1) biofuel pump and piping system, constructed in 2009 for transferring of B100 fuel from the delivery tank trucks to Tank 100 and from Tank 100 to the product loading rack for mixing with distillate products and subsequent loading onto tank trucks.

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

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

D.3.1 Record Keeping Requirements

(a) In accordance with 326 IAC 8-9-6(b) the owner or operator of tanks East Ethanol E1, West Ethanol E2, Generic Additive A1, Diesel Additive A2, Mobil Additive A3, Additive A4, Own Use Diesel A6, Non Taxable Red Dye Diesel A5, Emergency Overfill B1, Emergency Overfill B2, Emergency Overfill B3, Heating Oil O1, Heating Oil G1, and Heating Oil G2 shall maintain records of each vessel including the vessel identification number, dimensions, capacity, and a description of the emission control equipment shall be maintained for the life of the vessel.

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

D.3.2 Reporting Requirements

In accordance with 326 IAC 8-9-6(h), the owner or operator of tanks 37, 115, 152, and 153 shall maintain a record and notify the IDEM, OAQ within thirty (30) days when the maximum true vapor pressure of the liquid exceeds seventy-five hundredths (0.75) psia.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: ExxonMobil Oil Corporation
Source Address: 1527-141st Street, Hammond, Indiana 46320
Mailing Address: 1527-141st Street, Hammond, IN 46320
Part 70 Permit No.: T089-15418-00233

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: ExxonMobil Oil Corporation
Source Address: 1527-141st Street, Hammond, Indiana 46320
Mailing Address: 1527-141st Street, Hammond, IN 46320
Part 70 Permit No.: T089-15418-00233

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

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

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

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: ExxonMobil Oil Corporation
Source Address: 1527-141st Street, Hammond, Indiana 46320
Mailing Address: 1527-141st Street, Hammond, IN 46320
Part 70 Permit No.: T089-15418-00233

Months: _____ to _ Year: _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Administrative Amendment.

Source Description and Location

Source Name:	ExxonMobil Oil Corporation
Source Location:	1527-141st Street, Hammond, IN 46320
County:	Lake
SIC Code:	5171
Operation Permit No.:	T 089-15418-00233
Operation Permit Issuance Date:	June 27, 2005
Administrative Amendment No.:	089-27595-00233
Permit Reviewer:	Josiah Balogun

Existing Approvals

The source was issued Part 70 Operating Permit No. T 089-15418-00233 on June 7, 2005. The source has since received the following approvals:

(a) Administrative Amendment No. 089-24903-00233, issued on June 28, 2007.

County Attainment Status

The source is located in Lake County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.
O_3	Nonattainment Subpart 2 Moderate effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.
[1]Nonattainment Severe 17 effective November 15, 1990, for the Chicago-Gary-Lake County area for the 1-hour ozone standard which was revoked effective June 15, 2005. Basic nonattainment designation effective federally April 5, 2005, for PM2.5.	

(a) Ozone Standards

(1) 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.

(i) 1-hour ozone standard

On December 22, 2006 the United States Court of Appeals, District of Columbia issued a decision which served to partially vacate and remand the U.S. EPA's final rule for implementation of the eight-hour National Ambient Air quality Standard for ozone. *South Coast Air Quality Mgmt. Dist. v. EPA*, 472 F.3d 882 (D.C. Cir., December 22, 2006), *rehearing denied* 2007 U.S. App. LEXIS 13748 (D.C. Cir., June 8, 2007). The U.S. EPA has instructed IDEM to issue permits in accordance with its interpretation of the *South Coast* decision as follows: Gary-Lake-Porter County was previously designated as a severe non-attainment area prior to revocation of the one-hour ozone standard, therefore, pursuant to the anti-backsliding provisions of the Clean Air Act, any new or existing source must be subject to the major source applicability cut-offs and offset ratios under the area's previous one-hour standard designation. This means that a source must achieve the Lowest Achievable Emission Rate (LAER) if it exceeds 25 tons per year of VOC emissions and must offset any increase in VOC emissions by a decrease of 1.3 times that amount.

On January 26, 1996 in 40 CFR 52.777(i), the U.S. EPA granted a waiver of the requirements of Section 182(f) of the CAA for Lake and Porter Counties, including the lower NOx threshold for nonattainment new source review. Therefore, VOC emissions alone are considered when evaluating the rule applicability relating to the 1-hour ozone standards. Therefore, VOC emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability for the source section.

(ii) 8-hour ozone standard

VOC and NOx emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. Lake 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. See the State Rule Applicability – Entire Source section.

(b) PM2.5

U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Lake County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM2.5 promulgated on May 8th, 2008, and effective on July 15th 2008. Therefore, direct PM2.5 and SO2 emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

Lake 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.

(d) Fugitive Emissions
Since this type of operation is in one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are counted toward the determination of PSD and Emission Offset applicability.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (tons/year)
PM	< 100
PM10	< 100
PM2.5	< 100
SO_2	< 100
VOC	> 25
CO	< 100
NO_x	< 100

(a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(b) This existing source is a major stationary source under Emission Offset (326 IAC 2-3) because the potential to emit volatile organic compounds (VOC) is equal or greater tha 25 tons per year and the source is located in Lake County.

(c) These emissions are based upon Title V Operating Permit No. 089-15418-00233.

The table below summarizes the potential to emit HAPs for the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

HAPs	Potential To Emit (tons/year)
Single HAP	Less than 10
Total HAPs	Less than 25

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by ExxonMobil on March 10, 2009, relating to the construction of a new biodiesel storage tank for biodiesel fuel as a renewable fuel under the RFS program to the distillate fuels distributed from the Hammond terminal. The following is a list of the proposed emission units and pollution control device:

(a) One (1) electrically-heated fixed-roof biodiesel storage tank of approximately 450,000 gallon capacity, identified as Tank 100 for the storage of B100, constructed in 2009. Tank to be fitted at permittees discretion, with an internal floating roof for purposes of maintaining product quality. The floating roof is not required to comply with air emission

regulations and is therefore is not subject to any associated requirement.

(b) One (1) biofuel pump and piping system, constructed in 2009 for transferring of B100 fuel from the delivery tank trucks to Tank 100 and from Tank 100 to the product loading rack for mixing with distillate products and subsequent loading onto tank trucks.

Enforcement Issues

There are no pending enforcement actions.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emission unit 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, IDEM, or the appropriate local air pollution control agency."

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE 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
PM10	0
PM2.5	0
SO_2	0
VOC	4.37
CO	0
NO_x	0

HAPs	Potential To Emit (tons/year)
Single HAP	0.8
Total HAPs	1.2

This modification is not subject to 326 IAC 2-7-10.5. Pursuant to 326 IAC 2-7-1(21), the emission unit is an insignificant unit. Therefore, the modification will be incorporated into the Part 70 Operating Permit through an Administrative Amendment issued pursuant to 326 IAC 2-7-11(a)(8)(A) because this unit is exempt unit.

Permit Level Determination – PSD

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Potential to Emit (tons/year)						
Process/Emission Unit	**PM**	**PM10**	**$PM_{2.5}$**	**SO_2**	**VOC**	**CO**	**NO_X**
Biofuel Service (Tank 100)	-	-	-	-	0.46	-	-
Biofuel loading	-	-	-	-	0.34	-	-
Distillate loading	-	-	-	-	2.97	-	-
Distillate Fugitives	-	-	-	-	0.13	-	-
Biofuel Fugitives	-	-	-	-	0.47	-	-
Total for Modification	-	-	-	-	4.37	-	-
PSD Level	25	15	-	-	40	40	40
Emission Offset Deminimis Level	-	-	-	-	25*	-	-
Nonattainment NSR	-	-	10	40	-	-	-

Note * This is lake County and the VOC deminimis level is 25 tons per year.

(a) This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

(b) This modification to an existing major stationary source is not major because the VOC emissions increase is less than the Emission Offset deminimis level. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.

(c) This modification to an existing major stationary source is not major nonattainment NSR is minor PM2.5 and SO2 emissions are less than nonattainment NSR significant level.

Federal Rule Applicability Determination

(a) The Tank 100 will not be subject to New Source Performance Standard (NSPS) Requirements. The New Source Performance Standard (NSPS) 40 CFR 60, Subpart K and 40 CFR Subpart Ka applies to storage vessels for petroleum liquids with capacity greater than 40,000 gallons. The biofuel do not meet the definition of petroleum liquids as defined in subpart K and Ka. The New Source Performance Standard (NSPS) 40 CFR 60, Subpart Ka exempts tanks that store materials with a vapor pressure of less than 3.5kPa (0.5 psia). The vapor pressure of the biodiesel fuel is less than 0.5 psia. Therefore, the biodiesel fuel is not subject to the requirements of 40 CFR 60, Subpart K and Ka.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

State Rule Applicability Determination

326 IAC 2-2 and 2-3 (PSD and Emission Offset)
PSD and Emission Offset applicability is discussed under the Permit Level Determination - PSD and Emission Offset section.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The operation of biodiesel tank, identified as Tank 100 will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

There are no new Compliance Determination and Compliance Monitoring Requirements applicable due to this modification at this time.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T089-15418-00233. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Change 1: The new biodiesel fuel tank has been added to Section A.3 and Section D.3. The description for Storage Tank 152 and 153 have been revised.

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

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

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

.....

(b) The following storage tanks which emit less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC:

.....

(3) Storage Tank No. 152 is a fixed cone roof tank storing ~~No. 2 fuel oil~~ **distillates** with a maximum design capacity of 5,040,000 gallons. The tank was constructed

in 1951.

(4) Storage Tank No. 153 is a fixed cone roof tank storing ~~diesel RM fuel oil~~ **distillates** with a maximum design capacity of 5,040,000 gallons. The tank was constructed in 1951.

.....

(g) One (1) electrically-heated fixed-roof biodiesel storage tank of approximately 450,000 gallon capacity, identified as Tank 100 for the storage of B100, constructed in 2009. Tank to be fitted at permittees discretion, with an internal floating roof for purposes of maintaining product quality. The floating roof is not required to comply with air emission regulations and is therefore is not subject to any associated requirement.

(h) One (1) biofuel pump and piping system, constructed in 2009 for transferring of B100 fuel from the delivery tank trucks to Tank 100 and from Tank 100 to the product loading rack for mixing with distillate products and subsequent loading onto tank trucks.

SECTION D.3 FACILITY OPERATION CONDITIONS - INSIGNIFICANT ACTIVITIES

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

Eighteen (18) liquid storage tanks, identified as Non Taxable Red Dye Diesel Tank A5, Heating Oil Tank O1, Heating Oil Tank G1, Heating Oil Tank G2, Storage Tank No. 37, Storage Tank No. 115, Storage Tank No. 152, Storage Tank No. 153, East Ethanol Tank E1, West Ethanol Tank E2, Generic Additive Tank A1, Diesel Additive Tank A2, Mobil Additive Tank A3, Additive Tank A4, Own Use Diesel Tank A6, Emergency Overfill Tank B1, Emergency Overfill Tank B2, and Emergency Overfill Tank B3. Tank specifications are as follows:

.....

(g) Storage Tank No. 152 is a fixed cone roof tank storing ~~No. 2 fuel oil~~ **distillates** with a maximum design capacity of 5,040,000 gallons. The tank was constructed in 1951.

(h) Storage Tank No. 153 is a fixed cone roof tank storing ~~diesel RM fuel oil~~ **distillates** with a maximum design capacity of 5,040,000 gallons. The tank was constructed in 1951.

.....

(s) One (1) electrically-heated fixed-roof biodiesel storage tank of approximately 450,000 gallon capacity, identified as Tank 100 for the storage of B100, constructed in 2009. Tank to be fitted at permittees discretion, with an internal floating roof for purposes of maintaining product quality. The floating roof is not required to comply with air emission regulations and is therefore is not subject to any associated requirement.

(t) One (1) biofuel pump and piping system, constructed in 2009 for transferring of B100 fuel from the delivery tank trucks to Tank 100 and from Tank 100 to the product loading rack for mixing with distillate products and subsequent loading onto tank trucks.

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

.....

Other Changes

Upon further review, IDEM, OAQ has decided to make the following changes to the permit No. T089-15418-00233. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

Change 1: The description for the tank Truck loading operation has been updated throughout the permit.

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

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

(a) One (1) Tank Truck Loading Operation, identified as LR-1, where gasoline, denatured ethanol, and distillates **(including biofuels)** are bottom-loaded into transport trucks. Displaced hydrocarbon emissions are controlled by a John Zink Carbon Adsorption/Absorption Vapor Recovery Unit (VRU). The loading operation includes five (5) loading bays and has a maximum loading capacity of 144,000 gallons per hour. The loading facility was installed in 1961 and was modified in 1991. The VRU was installed in 1991.

Change 2: The addresses for the Permit Branch and Compliance Branch have changed to Permit Administration and Support Section (PASS) and Compliance and Enforcement Branch, respectively. The addresses have been updated throughout the permit. IDEM, OAQ no longer require the services of the local agencies, therefore, all references to Hammond Department of Environmental Management in the permit have been deleted.

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

.....

Indiana Department of Environmental Management
Permit ~~Branch~~ **Administration and Support Section**, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

.....

~~Hammond Department of Environmental Management~~
~~5925 Calumet Avenue~~
~~Hammond, Indiana 46320~~
~~HDEM~~
~~Telephone Number: 219-853-6306~~
~~Facsimile Number: 219-853-6343~~

Conclusion and Recommendation

The operation of this plant shall be subject to the conditions of the attached proposed Part 70 Administrative Amendment No. 089-27595-00233. The staff recommends to the Commissioner that this Part 70 Administrative Amendment be approved.

Appendix A: Emissions Calculations

Emission Summary

Source Name: ExxonMobil Oil Corporation
Source Location: 1527 - 141st Street, Hammond, IN 46320
Permit Number: 089-27595-00233
Permit Reviewer: Josiah Balogun
Date: 16-Mar-2009

Uncontrolled Potential Emissions

	PM (tons/yr)	PM_{10} (tons/yr)	SO_2 (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit							
Biofuel Service (Tank 100)	0	0	0	0.46	0	0	Single HAP <10 Combined HAPs < 25
Biofuel Loading	0	0	0	0.34	0	0	
Distillate Loading	0	0	0	2.97	0	0	
Distillate Fugitives	0	0	0	0.13	0	0	
Biofuel Fugitives	0	0	0	0.47	0	0	
Total Emissions	0.0	0.0	0	4.37	0	0.0	Single HAP <10 Combined HAPs < 25

Appendix A: Emissions Calculations

Emission Summary

Source Name: ExxonMobil Oil Corporation
Source Location: 1527 - 141st Street, Hammond, IN 46320
Permit Number: 089-27595-00233
Permit Reviewer: Josiah Balogun
Date: 16-Mar-2009

Limited Potential Emissions

	PM (tons/yr)	PM_{10} (tons/yr)	SO_2 (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit							
Biofuel Service (Tank 100)	0	0	0	0.46	0	0	Single HAP <10 Combined HAPs < 25
Biofuel Loading	0	0	0	0.34	0	0	
Distillate Loading	0	0	0	2.97	0	0	
Distillate Fugitives	0	0	0	0.13	0	0	
Biofuel Fugitives	0	0	0	0.47	0	0	
Total Emissions	0.0	0.0	0	4.37	0	0	Single HAP <10 Combined HAPs < 25

Appendix A: Emissions Calculations
Emission Summary
Source Name: ExxonMobil Oil Corporation
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Permit Number: 089-27595-00233
Permit Reviewer: Josiah Balogun
Date: 16-Mar-2009

Emission Unit Overview

	VOC			HAP			**SINGLE HAP Methanol**		
Description	Tank Emissions	Tank Landing Emissions	TOTAL TANK EMISSIONS	Tank Emissions	Tank Landing Emissions	TOTAL TANK EMISSIONS	Tank Emissions	Tank Landing Emissions	TOTAL TANK EMISSIONS
Gasoline Storage (RFG)									
Gasoline Loading (RFG)	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU
Loading Rack Stack									
Loading Rack Fugitive									
Gasoline Storage (CNV)									
Tank Cleaning									
Gasoline Loading (CNV)	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU	Gasoline Loading Emissions		Total Emissions From VCU
Loading Rack Stack									
Loading Rack Fugitive									
Biofuel Service	Distillate Tank Emissions		TOTAL TANK EMISSIONS	Distillate Tank Emissions		TOTAL TANK EMISSIONS	Distillate Tank Emissions		TOTAL TANK EMISSIONS
Tank B-100	0.462		0.462	0.462		0.462	0.462		0.462
Biofuel Loading	0.341		0.341	0.341		0.341	0.341		0.341
Distillate Loading	2.970		2.970	0.387		0.387	0.000		0.000
Ethanol Storage									
Other									
Distillate Fugitives	0.126		0.126	0.005		0.005	0.000		0.000
Biofuel Fugitives	0.470		0.470	0.001		0.001	0.001		0.001
TOTAL OF SOURCES			4.37			1.20			0.80

Total VOCs	4.37	tons/yr
Total HAPs	1.20	tons/yr
Total Methanol	0.80	tons/yr

TANK STORAGE, CLEANING AND LOADING RACK

RFG Tank No.	lb/yr	Benzene	Ethylbenzene	Hexane	Isooctane	MTBE	Toluene	Xylene (-m)	Biphenyl	Cresol (-o)	Cumene	Naphthalene	Phenol	Page Total Hap	Landing Total Hap	Total HAP
Tank B-100														-	#REF	#REF
														-	#REF	#REF
														-	#REF	#REF
Gasoline Loading (RFG)	Gasoline Loading Emissions													-	-	-
Loading Rack Stack														-	-	-
Loading Rack Fugitive														-	-	-
Gasoline Storage (Conv)														-	-	-
														-		
Gasoline Loading (CNV)	Gasoline Loading Emissions													-	-	-
														-	-	-
Gasoline Loading (CNV)	Gasoline Loading Emissions													-	-	-
Loading Rack Stack														-	-	-
Loading Rack Fugitive														-	-	-
Distillate Service	Distillate Tank Emissions														-	-
		#DIV/0!	#DIV/0!	N/A	N/A	N/A	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	N/A	#DIV/0!	-	#DIV/0!
		#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	N/A	#DIV/0!	-	#DIV/0!
		#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	N/A	#DIV/0!	-	#DIV/0!
		#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	N/A	#DIV/0!	-	#DIV/0!
Top Loading Fugitives		#DIV/0!	#DIV/0!	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	N/A	#DIV/0!	-	#DIV/0!
Bottom Loading Fugitives		#DIV/0!	#DIV/0!				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	N/A	#DIV/0!	-	#DIV/0!
Ethanol Storage														-	-	-
														-	-	-
														-	-	-
Boiler/VDU														-	-	-
RFG Equipment Fugitives		938	2	2	938	0	0	0	0	0	#REF!	0	0	#REF	-	#REF
CNV Equipment Fugitives		0	0	0	0	0	0	0	0	0	0	0	0	-	-	-
Additive Tank Emissions			#REF!					#REF!						#REF	-	#REF
Product water/mixture		#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	N/A	#REF	-	#REF
Total of all Sources														#DIV/0!	#REF	#REF
lb/yr		#DIV/0!	#DIV/0!	#REF!	#REF!	#REF!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0			
Tons/yr		#DIV/0!	#DIV/0!	#REF!	#REF!	#REF!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-	-		

	#REF!	lb/yr
	#REF!	ton/yr

Appendix A: Emissions Calculations

Emission Summary

Source Name: ExxonMobil Oil Corporation
Source Location: 1527 - 141st Street, Hammond, IN 46320
Permit Number: 089-27595-00233
Permit Reviewer: Josiah Balogun
Date: 16-Mar-2009

Biofuel	81,249,000	81,249,000	
Distillate	285,380,000	418,751,000	
*** Total Gasoline (auto fuel)	81,249,000	500,000,000	
	366,629,000	500,000,000	

	Actual	Calculated	
Total Additive Used	-	300,000	gal

Product/water	1,000,000	gal
Interface		gal

Biofuel Tanks

Tk. No.	Dia	Leg ht	no land	land av	Vol bbls	Volume gals	Throughput	Turnovers
B-100	49	4	-	0.0	12,763	536,042	81,249,000	151.6
Tank 154 is a swing tank.						536,042	81,249,000	

VOC's from tanks 4.0(lb/yr)

Tk No	Standing	Working	Total
B-100	924	0	924
0			
0			
			924

Conventional Gasoline Tanks

Tk. No.	Dia	Leg ht	no land	land avg	Vol bbls	Volume gals	Throughput	Turnovers
0						-		

Tk No	Standing	Working	Total

Ethanol Tanks

Tk. No.	Dia		Vol bbls	Volume gals	Throughput	Turnovers

VOC's from tanks 4.0(lb/yr)

Tk No	Standing	Working	Total
0			

Distillate Tanks (additional input required below)

Tk. No.	Dia		vol bbls	Volume gals	Throughput	Turnovers
0	Pct Top Loading Distillate	0%		-	-	

VOC's from tanks 4.0(lb/yr)

Tk No	Standing	Working	Total
			-

Additive Tanks

Tk. No.	Dia		vol bbls	Volume gals	Throughput	Turnovers
				0	0	

Tk No	Standing	Working	Total
			-

Product Water/Mixture tanks

Tk. No.	Dia		vol bbls	Volume gals	Throughput	Turnovers
				-		

VOC's from tanks 4.0(lb/yr)

Tk No	Standing	Working	Total

See Waste Water page for actual emissions.

Gasoline Loading Control

Control Device Level

Truck Rack	35.00	mg/l	VRU	
Barge Loading				N/A

Vru No.		Total lb/yr	Downtime hrs/yr
Truck	VOC	#REF!	0
	HAP	#REF!	
	S'HAP	#REF!	

May temp from tanks 4.0	55.790	deg F
VP of VOC in Apr from tanks 4.0	6.74	
MW of VOC in Apr from tanks 4.0	59	g/g-mole
Saturation Factor for landing	0.6	
Average days per landing	2.5	

Meteorological Data Used: Chicago, Il

Liquid Density in Apr from tanks 4.0: 6.1 lb/gal

Speciation from

	Distillate Tank	Av gas tank	Additive tank
Tank No.>	0		0
Benzene			
Ethylbenzene			16.06
Hexane			
Isooctane			
MTBE			
Toluene			
Xylene (-m)			44.69
Biphenyl			
Cresol (-o)			
Cumene			
Naphthalene			
Phenol			
Total VOC			-

	Data used for Calculated Fugitives		
	Tanks	Bays	
Gasoline (RFG)			Using Actual Values
Gasoline (CNV)			
Distillate (DIST)			If using 'Actual Values' then leave table empty

0.1 fraction of the fugitive valve/flange count assigned to the vapor phase

	RFG in Liquid Phase		RFG in Vapor Phase		CNV in Liquid Phase		CNV Gas Phase		DIS	
	Calculated	Actual	Calculated	Actual	Calc	Actual	Calc	Actual	Calc	Actual
Valves	-	369	-	26	-		-		-	104
Pumps	-	7			-				-	6
Other		90								18
Loading Arm Valve	-	13			-				-	
Flanges	-	1,354	-	94	-	-	-	-	-	396

Appendix A: Emissions Calculations
Emission Summary
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Date: 16-Mar-2009

	B-100			Total Thruput		
Actual Thruput (Gals/Yr)	81,249,000			81,249,000		
Calculated Thruput(Gals/Yr)	-			-		
Throughput (Bbl / Yr):	1,934,500			1,934,500		
	Lb / Year				Lb / Year	Tons /Year
Total VOC**	924				924	0.46
Biofuel	126.2				126	0.06
Methanol	924.2				924	0.46
					-	-
					-	-
					-	-
					-	-
					-	-
					-	-
					-	-
					-	-
					-	-
					-	-
Total HAP Species	1,050	-	-		924	0.46
Non Hap VOC	(126)	-	-		(126)	(0.06)

Total VOC:	924	-	-		924	0.46
Source Fraction Total VOC:	1.00	-	-			
Single HAP: Methanol	924.17	-	-		924.17	0.46
Total HAP:	1,050	-	-		1,050	0.46

* Emissions from EPA tanks 4.0 program.

Appendix A: Emissions Calculations
Emission Summary

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Date: 16-Mar-2009

			Vapor Fraction	Up Stack Lbs/Year	Up Stack Tons/Yr	Top Load Fugitives Lbs/Year	Top Load Fugitives Tons/Yr
Distillate Throughput (MM gal)	418.75	Total VOC	100.00%	5940.2	2.970		
		Benzene	0.98%	58.1	0.029		
		Ethylbenzene	1.10%	65.3	0.033		
Uncontrolled Tank-Truck Splash		Hexane (-n)	0.00%	0.0	-		
Loading Emission Factor (mg/l)	4.00	Iso-octane	0.00%	0.0	-		
		MTBE	0.00%	0.0	-		
Uncontrolled Tank-Truck		Toluene	5.44%	323.2	0.162		
Bottom Loading Emission Factor (mg/l)	1.70	Xylene (-m)	4.75%	282.3	0.141		
		Biphenyl	0.00%	0.0	-		
Distillate Loading Rack Loss (lb/year)	5,940	Cresol	0.02%	1.4	0.001		
		Cumeme	0.61%	36.4	0.018		
Top Load Fugitive Loss (lb/year)	-	Naphthalene	0.11%	6.7	0.003		
		Total HAP Species*	13.02%	773.3	0.387		
		Non Hap VOC	86.98%	5166.9	2.583		
		Total VOC		5940.2		0.0	
		Total HAP		773.3		0.0	
		Highest Single HAP					
		Toluene		323.2		-	0.162

Volume of distillate bottom loaded (gallons)*3.785 litres/gallon* 1.7 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 =emissions (lbs)

For 100,000,000 distillate gallons bottom loaded the eqution yields:

100,000,000*3.785*1.7*2.2046*1/1,000,000 = 1,419 lbs
Bottom Loaded emission are discharged up the stack.
The 'fugitive" emissions are negligible, and are assumed to be zero

Appendix A: Emissions Calculations
Emission Summary

Source Name: ExxonMobil Oil Corporation
Source Location: 1527 - 141st Street, Hammond, IN 46320
Permit Number: 089-27595-00233
Permit Reviewer: Josiah Balogun
Date: 16-Mar-2009

			Vapor Fraction	Up Stack Lbs/Year	Up Stack Tons/Yr	Top Load Fugitives Lbs/Year	Top Load Fugitives Tons/Yr
Distillate Throughput (MM gal)	81.25	Total VOC	100.00%	681.7	0.341		
		Biofuel	0.00%	0.0	-		
		Methanol	100.00%	681.7	0.341		
Uncontrolled Tank-Truck Splash			0.00%				
Loading Emission Factor (mg/l)	4.00		0.00%				
			0.00%				
Uncontrolled Tank-Truck			0.00%				
Bottom Loading Emission Factor (mg/l)	1.01		0.00%				
			0.00%				
Distillate Loading Rack Loss (lb/year)	682		0.00%				
			0.00%				
Top Load Fugitive Loss (lb/year)	-		0.00%				
		Total HAP Species*	100.00%	681.7	0.341		
		Non Hap VOC	0.00%	0.0	-		
		Total VOC		681.7		0.0	
		Total HAP		681.7		0.0	
		Highest Single HAP					
		Methanol		681.7		-	0.341

Sample Calculations
Uncontrolled Bottom Loading
Emissions (lbs/1,000 gal) = 12.46 SPM/T
S= Saturation Factor = 0.85
P= TVP = 0.0116 PSI @ 51F
M = Vapor Molecular Weight of Biofuel= 34.85
T = Temperature Deg. R = 460+51= 511
Volume of distillate bottom loaded (gallons)*3.785 litres/gallon* 1.7 mg/liter of distillate loaded
*2.2046 lbs/kg*1 kg/1,000,000 =emissions (lbs)

For 100,000,000 distillate gallons bottom loaded the eqution yields:

100,000,000*3.785*1.7*2.2046*1/1,000,000 = 1,419 lbs
Bottom Loaded emission are discharged up the stack.
The 'fugitive" emissions are negligible, and are assumed to be zero

Appendix A: Emissions Calculations
Emission Summary

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Fugitive VOC Emissions

Count				Light	Heavy	Gas		
Light	Heavy	Gas		Factor (lbs/hr)	Factor (lbs/hr)	Factor (lbs/hr)	Lbs/Hr	Lbs/Year
-	104	-	Valves	9.48E-05	9.48E-05	2.87E-05	9.86E-03	8.6E+01
-	6	-	Pumps	1.17E-03	1.17E-03	2.50E-02	7.02E-03	6.1E+01
-	18	-	Other	2.87E-04	2.87E-04	2.65E-04	5.17E-03	4.5E+01
-	0	-	Loading Arm Valve	9.48E-05	9.48E-05	2.87E-05	0.00E+00	0.0E+00
-	396	-	Flanges	1.72E-05	1.72E-05	9.04E-05	6.81E-03	6.0E+01
							Total	252.78

		Light Liquid	Fraction Light Liquid	Lbs/Year	Heavy Liquid Fraction	Heavy Liquid Lbs/Year	Gas	Fraction	Gas Lbs/Year	Total Lbs/Year
Total VOC		100.00%		0.00	100.00%	252.78		100.00%	0.00	252.78
Benzene	00071-43-2	N/A		N/A	0.004%	0.04		N/A	N/A	0.04
Ethylbenzene	00100-41-4	N/A		N/A	0.05%	0.47		N/A	N/A	0.47
Hexane	00110-54-3	N/A		N/A	N/A	N/A		N/A	N/A	N/A
Isooctane	00540-84-1	N/A		N/A	N/A	N/A		N/A	N/A	N/A
MTBE	01634-04-4	N/A		N/A	N/A	N/A		N/A	N/A	N/A
Toluene	00108-88-3	N/A		N/A	0.08%	0.75		N/A	N/A	0.75
Xylene (-m)	00108-38-3	N/A		N/A	0.26%	2.44		N/A	N/A	2.44
biphenyl	00092-52-4	N/A		N/A	0.12%	1.13		N/A	N/A	1.13
Cresol (-o)	00095-48-7	N/A		N/A	0.07%	0.66		N/A	N/A	0.66
Cumene	00098-82-8	N/A		N/A	0.06%	0.56		N/A	N/A	0.56
Naphthalene	00091-20-3	N/A		N/A	0.28%	2.63		N/A	N/A	2.63
Phenol	00108-95-2	N/A		N/A	0.07%	0.66		N/A	N/A	0.66
Total HAPS		0.00%		0.00	0.99%	9.34		0.00%	0.00	9.34
Non Hap VOC		100.00%		0.00	99.01%	243.44		100.00%	0.00	243.44

* Based on facility-specific equipment component counts and EPA, November 1995, Equipment Leak Emission Factors.

Appendix A: Emissions Calculations
Emission Summary

Source Name: ExxonMobil Oil Corporation
Source Location: 1527 - 141st Street, Hammond, IN 46320
Permit Number: 089-27595-00233
Permit Reviewer: Josiah Balogun
Date: 16-Mar-2009

Fugitive VOC Emissions

Count				Light	Heavy	Gas		
Light	Heavy	Gas		Factor (lbs/hr)	Factor (lbs/hr)	Factor (lbs/hr)	Lbs/Hr	Lbs/Year
0	435	0	Valves	9.48E-05	9.48E-05	2.87E-05	4.12E-02	3.6E+02
0	3	0	Pumps	1.17E-03	1.17E-03	2.50E-02	3.51E-03	3.1E+01
0	170	0	Other	2.87E-04	2.87E-04	2.65E-04	4.88E-02	4.3E+02
0	0	0	Loading Arm Valve	9.48E-05	9.48E-05	2.87E-05	0.00E+00	0.0E+00
0	800	0	Flanges	1.72E-05	1.72E-05	9.04E-05	1.38E-02	1.2E+02
							Total	939.93

		Light Liquid Fraction	Light Liquid Lbs/Year	Heavy Liquid Fraction	Heavy Liquid Lbs/Year	Gas Fraction	Gas Lbs/Year	Total Lbs/Year
Total VOC		100.00%	0.00	100.00%	939.93	100.00%	0.00	939.93
Biofuel		NA	NA	99.800%	938.05	NA	NA	938.05
Methanol	00067-56-1	NA	NA	0.20%	1.88	NA	NA	1.88
Total HAPS		NA	NA	0.20%	1.88	NA	NA	1.88
Non Hap VOC		NA	NA	99.80%	938.05	NA	NA	938.05

* Based on facility-specific equipment component counts and EPA, November 1995, Equipment Leak Emission Factors.