



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: June 8, 2007  
RE: CITGO Petroleum Corporation - East Chicago Terminal / 089-24600-00307  
FROM: Nisha Sizemore  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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.

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

---

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MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
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**June 8, 2007**

Mr. Scott Buckner  
Citgo Petroleum Corporation - East Chicago Terminal  
2316 Terminal Drive  
Arlington Heights, Illinois 60005

Re: 089-24600-00307  
Minor Source Modification to  
Part 70 089-17523-00307

Dear Mr. Buckner:

Citgo Petroleum Corporation - East Chicago Terminal was issued Part 70 operating permit 089-17523-00307 on August 15, 2005 for the operation of a bulk petroleum terminal. An application requesting the addition of a gasoline storage tank and the modification of a distillate loading rack was received on April 10, 2007. The source also informed IDEM that it would be removing three (3) storage tanks.

Pursuant to 326 IAC 2-7-10.5(d)(5), the following emission units are approved for construction at the source:

- (a) One (1) submerged bottom loading, tank truck loading rack, identified as LR1, constructed in 1985, approved for modification in 2007, equipped with six (6) loading arms with a total loading rate of 210,000 gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per hour, exhausting to Stack 80, with a maximum annual throughput capacity of 420,000,000 gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 per year.
- (b) One (1) vertical fixed coned roof storage tank, identified as Tank 39 (N), approved for construction in 2007, with a maximum capacity of 3,200,000 gallons (14,547.5 cubic meters), with an internal floating roof, storing gasoline, distillates and/or jet kerosene, and exhausting to Stack 39.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions  
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.
6. Pursuant to 326 IAC 2-7-10.5(l) the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

The source may begin construction when the minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as a significant permit modification in accordance with 326 IAC 2-7-12(d). Operation is not approved until the significant permit modification has been issued.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Mr. Stephen Treimel, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7902 to speak directly to Mr. Treimel. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Original Signed By:

Nisha Sizemore, Chief  
Permits Branch  
Office of Air Quality

Attachments

ERG/ST

cc: File - Lake County  
U.S. EPA, Region V  
Gary Department of Environmental Affairs  
Lake County Health Department  
Northwest Regional Office  
Air Compliance Section Inspectors - Rick Massoels, Ramesh Tejuja  
Compliance Data Section  
Administrative and Development  
Technical Support and Modeling - Michele Boner  
Billing, Licensing and Training - Dan Stamatkin



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## PART 70 MINOR SOURCE MODIFICATION OFFICE OF AIR QUALITY

### Citgo Petroleum Corporation - East Chicago Terminal 2500 East Chicago Avenue East Chicago, Indiana 46312

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

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

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

First Minor Source Modification No.: 089-24600-00307	Affected pages: all
Original Signed By:  Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: June 8, 2007

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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)]

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The Permittee owns and operates a stationary bulk petroleum terminal.

Source Address:	2500 East Chicago Avenue, East Chicago, Indiana 46312
Mailing Address:	2316 Terminal Drive, Arlington Heights, Illinois 60005
General Source Phone Number:	(219) 398-0734
SIC Code:	5171
County Location:	Lake
Source Location Status:	Nonattainment for PM2.5 and ozone under the 8-hour standard Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules Major Source, under 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)]

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

- (a) One (1) submerged bottom loading, tank truck loading rack, identified as LR1, constructed in 1985, approved for modification in 2007, equipped with six (6) loading arms with a total loading rate of 210,000 gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per hour, exhausting to Stack 80, with a maximum annual throughput capacity of 420,000,000 gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per year.

#### **Tanks That Have Not Been Retrofitted With Internal Floating Roofs**

- (b) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 1 and 2, each constructed in 1948, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stacks 1 and 2, capacity: 5,880,000 gallons, each.
- (c) One (1) vertical fixed coned roof storage tank, identified as Tank 6, constructed in 1948, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stack 6, capacity: 5,040,000 gallons.
- (d) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 14 and 17, each constructed in 1928, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stacks 14 and 17, capacity: 3,360,000 gallons each.
- (e) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 18 and 19, each constructed in 1940, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stacks 18 and 19, capacity: 3,360,000 gallons each.

- (f) Eleven (11) vertical fixed coned roof storage tanks, identified as Tanks 20 - 22, 25 - 28, 30 - 32, and 42, each constructed in 1928, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stacks 20 - 22, 25 - 28, 30 - 32, and 42, capacity: 2,310,000 gallons each.
- (g) One (1) vertical fixed coned roof storage tank, identified as Tank 36, constructed in 1953, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stack 36, capacity: 2,310,000 gallons.

#### **Tanks That Have Been Retrofitted With Internal Floating Roofs**

- (h) One (1) vertical fixed coned roof, identified as Tank 3, constructed in 1948, later retrofitted with an internal floating roof storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 3, capacity: 5,880,000 gallons.
- (i) Four (4) vertical fixed coned roof storage tanks, identified as Tanks 4, 5, 10, and 11, each constructed in 1954, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 4, 5, 10, and 11, capacity: 5,880,000 gallons, each.
- (j) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 7 and 57, each constructed in 1948, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 7 and 57, capacity: 5,040,000 gallons, each.
- (k) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 8 and 9, each constructed in 1953, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 8 and 9, capacity: 5,880,000 gallons, each.
- (l) Six (6) vertical fixed coned roof storage tanks, identified as Tanks 13, 15, 16, 53, 54, and 59, each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 13, 15, 16, 53, 54, and 59, capacity: 3,360,000 gallons, each.
- (m) Four (4) vertical fixed coned roof storage tank, identified as Tanks 33, 34, 40, and 41, each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 33, 34, 40, and 41, capacity: 2,310,000 gallons, each.
- (n) One (1) vertical fixed coned roof storage tank, identified as Tank 35, constructed in 1954, later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stack 35, capacity: 2,310,000 gallons.
- (o) Three (3) vertical fixed coned roof storage tanks, identified as Tanks 37, 38, and 51, each constructed in 1955, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 37, 38, and 51, capacity: 2,310,000 gallons, each.
- (p) One (1) vertical fixed coned roof storage tank, identified as Tank 43, constructed in 1942, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stack 43, capacity: 2,310,000 gallons.
- (q) One (1) vertical fixed coned roof, identified as Tank 44, constructed in 1943, later retrofitted with an internal floating roof, storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 44, capacity: 2,310,000 gallons.
- (r) One (1) vertical fixed coned roof in storage tank, identified as Tank 45, constructed in 1945, later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet

kerosene, exhausting to Stack 45, capacity: 2,310,000 gallons.

- (s) Two (2) vertical fixed coned roof storage tank, identified as Tanks 46 and 48, each constructed in 1951, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stack 46 and 48, capacity: 2,310,000 gallons, each.
- (t) One (1) vertical fixed coned roof storage tank, identified as Tank 47, constructed in 1952, later retrofitted with an internal floating roof storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 47, capacity: 2,310,000 gallons, each.
- (u) One (1) vertical fixed coned roof storage tank, identified as Tank 55, constructed in 1937, later retrofitted with an internal floating roof, storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 55, capacity: 5,670,000 gallons.
- (v) One (1) vertical fixed coned roof storage tanks, identified as Tank 56, constructed in 1940, later retrofitted with an internal floating roof storing gasoline, distillates and/or jet kerosene, exhausting to Stack 56, capacity: 3,360,000 gallons.
- (w) One (1) vertical fixed coned roof storage tank, identified as Tank 58, constructed in 1948, later retrofitted with an internal floating roof, storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 58, capacity: 5,355,000 gallons.
- (x) One (1) vertical fixed coned roof storage tank, identified as Tank 39 (N), approved for construction in 2007, with a maximum capacity of 3,200,000 gallons (14,547.5 cubic meters), with an internal floating roof, storing gasoline, distillates and/or jet kerosene, and exhausting to Stack 39. This is an affected facility under 40 CFR 60, Subpart Kb.

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 does not currently have any insignificant activities, as defined in 326 IAC 2-7-1 (21) that have applicable requirements.

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

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

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## **SECTION B GENERAL CONDITIONS**

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

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

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

- (a) This permit, T089-17523-00307, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall

state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "responsible official" is defined at 326 IAC 2-7-1(34)

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

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

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

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

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- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (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 Section), or  
Telephone Number: 317-233-0178 (ask for Compliance Section)  
Facsimile Number: 317-233-6865  
Northwest Regional Office: 219-757-0265, Facsimile Number: 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 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 T089-17523-00307 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

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

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

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

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

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

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

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

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

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][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) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

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

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- (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]

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

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

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

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

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

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

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

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

- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2] [ 326 IAC 2-3]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2 and/or 326 IAC 2-3.

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

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

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:
- Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

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

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

## SECTION C SOURCE OPERATION CONDITIONS

### Entire Source

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

##### C.1 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 twenty 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).

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

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

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

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

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

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

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

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

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
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]**

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

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

#### **C.10 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on December 13, 1996.
- (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.11 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.12 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; and/or
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

**C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

**C.14 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]**

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- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
  - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
  - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

**C.15 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]**

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

available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit or at a source with Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1 (ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
  - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;
      - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii); and
      - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
  - (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
  - (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.16 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

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

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

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
  - (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for

review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

### **Stratospheric Ozone Protection**

#### **C.17 Compliance with 40 CFR 82 and 326 IAC 22-1**

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

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]: Bulk Petroleum Terminal Emission Units

- (a) One (1) submerged bottom loading, tank truck loading rack, identified as LR1, constructed in 1985, approved for modification in 2007, equipped with six (6) loading arms with a total loading rate of 210,000 gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per hour, exhausting to Stack 80, with a maximum annual throughput capacity of 420,000,000 gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per year.

### Tanks That Have Not Been Retrofitted With Internal Floating Roofs

- (b) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 1 and 2, each constructed in 1948, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stacks 1 and 2, capacity: 5,880,000 gallons, each.
- (c) One (1) vertical fixed coned roof storage tank, identified as Tank 6, constructed in 1948, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stack 6, capacity: 5,040,000 gallons.
- (d) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 14 and 17, each constructed in 1928, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stacks 14 and 17, capacity: 3,360,000 gallons each.
- (e) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 18 and 19, each constructed in 1940, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stacks 18 and 19, capacity: 3,360,000 gallons each.
- (f) Eleven (11) vertical fixed coned roof storage tanks, identified as Tanks 20 - 22, 25 - 28, 30 - 32, and 42, each constructed in 1928, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stacks 20 - 22, 25 - 28, 30 - 32, and 42, capacity: 2,310,000 gallons each.
- (g) One (1) vertical fixed coned roof storage tank, identified as Tank 36, constructed in 1953, storing distillates and/or jet kerosene with a vapor pressure less than 0.75 psia, exhausting to Stack 36, capacity: 2,310,000 gallons.

### Tanks That Have Been Retrofitted With Internal Floating Roofs

- (h) One (1) vertical fixed coned roof, identified as Tank 3, constructed in 1948, later retrofitted with an internal floating roof storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 3, capacity: 5,880,000 gallons.
- (i) Four (4) vertical fixed coned roof storage tanks, identified as Tanks 4, 5, 10, and 11, each constructed in 1954, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 4, 5, 10, and 11, capacity: 5,880,000 gallons, each.
- (j) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 7 and 57, each constructed in 1948, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 7 and 57, capacity: 5,040,000 gallons, each.
- (k) Two (2) vertical fixed coned roof storage tanks, identified as Tanks 8 and 9, each constructed in 1953, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 8 and 9, capacity: 5,880,000 gallons, each.
- (l) Six (6) vertical fixed coned roof storage tanks, identified as Tanks 13, 15, 16, 53, 54, and 59, each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 13, 15, 16, 53, 54, and 59, capacity: 3,360,000 gallons,

each.

- (m) Four (4) vertical fixed coned roof storage tank, identified as Tanks 33, 34, 40, and 41, each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 33, 34, 40, and 41, capacity: 2,310,000 gallons, each.
- (n) Five (5) vertical fixed coned roof storage tanks, identified as Tanks 33, 34, and 39 - 41, each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 33, 34, and 39 - 41, capacity: 2,310,000 gallons, each.
- (o) Three (3) vertical fixed coned roof storage tanks, identified as Tanks 37, 38, and 51, each constructed in 1955, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 37, 38, and 51, capacity: 2,310,000 gallons, each.
- (p) One (1) vertical fixed coned roof storage tank, identified as Tank 43, constructed in 1942, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stack 43, capacity: 2,310,000 gallons.
- (q) One (1) vertical fixed coned roof, identified as Tank 44, constructed in 1943, later retrofitted with an internal floating roof, storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 44, capacity: 2,310,000 gallons.
- (r) One (1) vertical fixed coned roof in storage tank, identified as Tank 45, constructed in 1945, later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stack 45, capacity: 2,310,000 gallons.
- (s) Two (2) vertical fixed coned roof storage tank, identified as Tanks 46 and 48, each constructed in 1951, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stack 46 and 48, capacity: 2,310,000 gallons, each.
- (t) One (1) vertical fixed coned roof storage tank, identified as Tank 47, constructed in 1952, later retrofitted with an internal floating roof storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 47, capacity: 2,310,000 gallons, each.
- (u) One (1) vertical fixed coned roof storage tank, identified as Tank 55, constructed in 1937, later retrofitted with an internal floating roof, storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 55, capacity: 5,670,000 gallons.
- (v) One (1) vertical fixed coned roof storage tanks, identified as Tank 56, constructed in 1940, later retrofitted with an internal floating roof storing gasoline, distillates and/or jet kerosene, exhausting to Stack 56, capacity: 3,360,000 gallons.
- (w) One (1) vertical fixed coned roof storage tank, identified as Tank 58, constructed in 1948, later retrofitted with an internal floating roof, storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 58, capacity: 5,355,000 gallons.
- (x) One (1) vertical fixed coned roof storage tank, identified as Tank 39 (N), approved for construction in 2007, with a maximum capacity of 3,200,000 gallons (14,547.5 cubic meters), with an internal floating roof, storing gasoline, distillates and/or jet kerosene, and exhausting to Stack 39. This is an affected facility under 40 CFR 60, Subpart Kb.

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

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

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

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by

reference in 326 IAC 12-1, apply to Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51, and 53 - 59, except when otherwise specified in 40 CFR Part 60, Subpart Kb.

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 12] [40 CFR 60.112b]

Pursuant to 40 CFR 60.112(b)(a)(1), The Permittee of Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51, and 53 - 59, shall equip each storage vessel with the following:

A fixed roof in combination with an internal floating roof meeting the following specifications:

- (a) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. 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 vessel is completely emptied or subsequently emptied and refilled. 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.
- (b) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage 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). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
  - (2) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage 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. A mechanical shoe seal is 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 (envelope) spans the annular space between the metal sheet and the floating roof.
- (c) 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.
- (d) 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.
- (e) 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.
- (f) 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.
- (g) 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.
- (h) 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.
- (i) Each penetration of the internal floating roof that allows for passage of a ladder shall have a

gasketed sliding cover.

#### D.1.3 Volatile Organic Compounds [326 IAC 8-4-3(b)]

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Pursuant to 326 IAC 8-4-3(b)(1), the Permittee shall not permit the use of Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51, and 53 - 59, unless:

- (a) The facility has been retrofitted with an internal floating roof equipped with a closure seal, or seals, to close the space between the roof edge and tank wall unless the source has been retrofitted with equally effective alternative control which has been approved.
- (b) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.
- (c) All openings, except stub drains, are equipped with covers, lids, or seals such that:
  - (1) The cover, lid, or seal is in the closed position at all times except when in actual use;
  - (2) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
  - (3) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

#### D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51, and 53 - 59, and any control devices.

### **Compliance Determination Requirements**

#### D.1.5 Testing and Procedures [326 IAC 12] [326 IAC 60.113b]

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Pursuant to 326 IAC 60.113b, for Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51, and 53 - 59, the Permittee of shall:

- (a) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling 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 owner or operator shall repair the items before filling the storage vessel.
- (b) For vessels equipped with a liquid-mounted or mechanical shoe primary secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every twelve (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 owner or operator shall repair the items or empty and remove the storage vessel from service within forty-five (45) days. If a failure that is detected during inspections required in this paragraph cannot be repaired within forty-five (45) days and if the vessel cannot be emptied within forty-five (45) days, a thirty (30) day extension may be requested from the 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 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) For vessels equipped with a double-seal system as specified in 40 CFR 60.112b(a)(1)(ii)(B):
  - (1) Visually inspect the vessel as specified in 40 CFR 60.113b(a)(4) at least every five (5) years; or

- (2) Visually inspect the vessel as specified in 40 CFR 60.113b(a)(2).
- (d) Visually inspect the internal floating roof, the primary seal, 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 owner or operator 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 ten (10) years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than five (5) years in the case of vessels specified in 40 CFR 60.113b(a)(3)(i).
- (e) Notify IDEM, OAQ in writing at least thirty (30) days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) of this section to afford IDEM OAQ and USEPA the opportunity to have an observer present. If the inspection required by 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection thirty (30) days in advance or refilling the tank, the owner or operator shall notify IDEM, OAQ at least seven (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 IDEM, OAQ at least seven (7) days prior to the refilling.

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

##### **D.1.6 Monitoring of Operations [326 IAC 12] [326 IAC 60.116b]**

- (a) For Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51, and 53 - 59, the Permittee shall:
  - (1) Keep copies of all records required by 40 CFR 60.116b, except for the record required by 40 CFR 60.116b(b) for at least two (2) years.
  - (2) Keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of each storage vessel. These records shall be kept for the life of the source.
  - (3) Maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
  - (4) Notify IDEM, OAQ within thirty (30) days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range.
- (b) Pursuant to 40 CFR 60.116b(e), available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.
  - (1) For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
  - (2) For refined petroleum products the vapor pressure may be obtained by the following:  
  
Available data on the Reid vapor pressure and the maximum expected storage

temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference—see 40 CFR 60.17), unless IDEM, OAQ specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).

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

### **D.1.7 Record Keeping Requirements [326 IAC 12] [326 IAC 60.115b(a)(2)]**

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- (a) Pursuant to 326 IAC 60.115b(a)(2), for Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51, and 53 - 59, the Permittee shall keep a record of each inspection performed as required by Condition D.1.5. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### **D.1.8 Record Keeping Requirements [326 IAC 8-9-6]**

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Pursuant to 326 IAC 8-9-6, for Tanks 1, 2, 6, 14, 17 - 19, 20 - 22, 25 - 28, 30 - 32, 36, and 42, the Permittee shall:

- (a) For the life of the source, maintain a record and submit to the IDEM, OAQ a report containing the following information for each vessel:
  - (1) The vessel identification number;
  - (2) The vessel dimensions; and
  - (3) The vessel capacity.
- (b) For three (3) years, maintain a record of the maximum true vapor pressure of the VOL stored in each vessel. The record for each vessel shall contain the following information:
  - (1) The type of VOL stored;
  - (2) The dates of the VOL storage; and
  - (3) For each day of VOL storage, the average stored temperature for VOLs stored above or below the ambient temperature or average ambient temperature for VOLs stored at ambient temperature, and the corresponding maximum true vapor pressure.
- (c) For vessels that store a liquid whose maximum true vapor pressure is less than 0.75 psia, maintain a record and notify the IDEM, OAQ within thirty (30) days when the maximum true vapor pressure of the liquid exceeds 0.75 psia.

### **D.1.9 Reporting Requirements**

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For Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51, and 53 - 59, the Permittee shall:

- (a) Furnish IDEM, OAQ with a report that describes the control equipment and certifies that the control equipment meets the specifications of Conditions D.1.2 and D.1.5. This report shall be an attachment to the notification required by 40 CFR 60.7(a)(3).
- (b) If any of the conditions described in Condition D.1.5(b) are detected during the annual visual inspection required by Condition D.1.5(b), a report shall be furnished to IDEM, OAQ within

thirty (30) days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

- (c) After each inspection required by Condition D.1.5(c) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in Condition D.1.5(b), a report shall be furnished to the IDEM, OAQ within thirty (30) days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of Conditions D.1.2 and D.1.5 and list each repair made.
- (d) Reports required in paragraphs (a) through (c) of this condition shall be submitted to the address listed in Section C - General Reporting Requirements.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY**

**PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Citgo Petroleum Corporation - East Chicago Terminal  
Source Address: 2500 East Chicago Avenue, East Chicago, Indiana 46312  
Mailing Address: 2316 Terminal Drive, Arlington Heights, Illinois 60005  
Part 70 Permit No.: T 089-17523-00307

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

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) \_\_\_\_\_
- Report (specify) \_\_\_\_\_
- Notification (specify) \_\_\_\_\_
- Affidavit (specify) \_\_\_\_\_
- Other (specify) \_\_\_\_\_

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Citgo Petroleum Corporation - East Chicago Terminal  
Source Address: 2500 East Chicago Avenue, East Chicago, Indiana 46312  
Mailing Address: 2316 Terminal Drive, Arlington Heights, Illinois 60005  
Part 70 Permit No.: T 089-17523-00307

**This form consists of 2 pages**

**Page 1 of 2**

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

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

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

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

**Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

A certification is not required for this report.

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

**PART 70 OPERATING PERMIT  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Citgo Petroleum Corporation - East Chicago Terminal  
Source Address: 2500 East Chicago Avenue, East Chicago, Indiana 46312  
Mailing Address: 2316 Terminal Drive, Arlington Heights, Illinois 60005  
Part 70 Permit No.: T 089-17523-00307

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

Page 1 of 2

<p>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".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

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

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

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

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

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

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management  
Office of Air Quality**

**Technical Support Document (TSD) for a  
Part 70 Minor Source Modification and a  
Part 70 Significant Permit Modification**

**Source Description and Location**

Source Name: Citgo Petroleum Corporation - East Chicago Terminal  
Source Location: 2500 East Chicago Avenue, East Chicago, Indiana 46312  
County: Lake  
SIC Code: 5171  
Operation Permit No.: T089-17523-00307  
Operation Permit Issuance Date: August 15, 2005  
Minor Source Modification No.: 089-24600-00307  
Significant Permit Modification No.: 089-24723-00307  
Permit Reviewer: ERG/ST

**Existing Approvals**

Since the issuance of the Part 70 Operating Permit No. 089-17523-00307 on August 15, 2005, the source has constructed or has been operating under the following approvals:

- (a) Administrative Amendment No. 089-21861-00307 issued on October 18, 2005;
- (b) Administrative Amendment No. 089-21800-00307 issued on December 12, 2005; and
- (c) Administrative Amendment No. 089-22590-00307 issued on March 17, 2006.

**County Attainment Status**

The source is located in Lake County.

Pollutant	Status
PM10	Maintenance Attainment
PM2.5	Nonattainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
8-hour Ozone	Nonattainment
CO	Attainment
Lead	Attainment

**Note:** On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 re-designating Lake County to attainment for the sulfur dioxide standard and revoking the one-hour ozone standard in Indiana.

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

- (b) 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 guidance to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Nonattainment New Source Review (326 IAC 2-1.1-5).
- (c) Lake County has been classified as attainment or unclassifiable 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) Since this source is classified as a bulk petroleum storage terminal (326 IAC 2-7-1(22)(B)(xxii)), it is considered to be in one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (e) **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.

<b>Source Status</b>
----------------------

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:

<b>Pollutant</b>	<b>Emissions (tons/year)</b>
PM	less than 1
PM10	less than 1
SO <sub>2</sub>	less than 1
VOC	210
CO	less than 1
NO <sub>x</sub>	less than 1

Note: These figures are taken from the TSD for T089-17523-00307.

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant (VOC) is emitted at a rate of 100 tons per year or more, and it is in 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 VOC is emitted at a rate of 100 tons per year or more. Lake County is designated as nonattainment for the 8-hour ozone standard.
- (c) These emissions are based upon the Technical Source Document for the source's current Title V permit (089-17523-00307).

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)
n-Hexane	3.63
Toluene	2.80
Benzene	2.11
All Others	3.06
TOTAL	11.6

Note: These figures are taken from the TSD for T089-17523-00307.

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).

### Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	--
PM-10	--
SO <sub>2</sub>	--
VOC	156
CO	--
NO <sub>x</sub>	--
HAP	Not reported

### Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Citgo Petroleum Corporation - East Chicago Terminal on April 10, 2007, relating to the addition of a 3.2 million gallon gasoline storage tank (39 (N)) and the modification of an existing distillate loading rack (LR1). The modifications to LR1 consist of: increasing the number of distillate loading arms from two (2) to six (6), increasing the hourly throughput rate from 72,000 gallons of distillate per hour to 210,000 gallons of distillate per hour, and increasing the yearly throughput from 210 million gallons of distillate to 420 million gallons of distillate. Citgo will also be removing three existing storage tanks (tanks 39, 52, and 88).

Please see Appendix A, pages 1 through 3 (calculations) for Potential To Emit (PTE) calculations for these emission units. The addition of these units does not result in de-bottlenecking of any other units. The PTE of other existing units does not increase as a result of the addition of this storage tank or the modification of this loading rack.

- (a) One (1) submerged bottom loading, tank truck loading rack, identified as LR1, constructed in 1985, approved for modification in 2007, equipped with six (6) loading arms with a total loading rate of 210,000 gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per hour, exhausting to Stack 80, with a maximum annual throughput capacity of 420,000,000 gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 per year.
- (b) One (1) vertical fixed coned roof storage tank, identified as Tank 39 (N), approved for construction in 2007, with a maximum capacity of 3,200,000 gallons (14,547.5 cubic meters), with an internal floating roof, storing gasoline, distillates and/or jet kerosene, and exhausting to Stack 39.

### Enforcement Issues

There are no pending enforcement actions related to this modification.

### Emission Calculations

See Appendix A of this document for detailed emission calculations (page 1 through 3).

### 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 of the new storage tank and the increase in PTE due to the modification of the loading rack. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	0.0
PM10	0.0
SO <sub>2</sub>	0.0
VOC	15.17
CO	0.0
NO <sub>x</sub>	0.0
Single HAP (benzene)	0.198
Total HAPs	0.75

This source modification is subject to 326 IAC 2-7-10.5(d)(9)(A) because this source is located in Lake County, has a potential to emit greater than 25 tons per year of VOC, and this modification would result in an increase in potential to emit of VOC greater than fifteen (15) pounds per day (equivalent to 2.74 tons per year).

Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d) because this is a modification under Title 1 of the Clean Air Act. This permit modification adds the requirements of 40 CFR 60, Subpart Kb for the new gasoline storage tank (39 (N)).

### Permit Level Determination – PSD or Emission Offset

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 source modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Emission Unit ID	Limited Potential to Emit (tons/year)					
	PM	PM10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>
Tank 39 (N) [New Unit]	0	0	0	6.81	0	0
Loading Rack L1 [Modified Unit]	0	0	0	8.36*	0	0
Total for Modification	0	0	0	15.17	0	0
Significant Level	25	15	40	40	100	40

\* This figure represents the increase in PTE for the Loading Rack LR1 due to this modification.  
 [PTE After Modification (210,000 gal/hr) – PTE Before Modification (72,000 gal/hr)  
 = 12.72 ton/yr – 4.36 ton/yr = 8.36 ton/yr]

- (a) This modification to an existing major stationary source is not major for PSD or Emission Offset because the increase in emissions due to this modification is less than the PSD or Emission Offset significant levels. Therefore, pursuant to 326 IAC 2-2 and 326 IAC 2-3, the PSD and Emission Offset requirements do not apply.
- (b) Lake County has been designated as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A significant emissions increase would be a net emissions increase or the potential of fifteen (15) tons per year or greater of PM10. This modification is not major for Nonattainment New Source Review because the potential to emit of PM10 due to the modification is less than the Nonattainment New Source Review significant level (15 tons per year). Therefore, assuming that PM10 emissions represent PM2.5 emissions, 326 IAC 2-1.1-5 (Nonattainment New Source Review) does not apply for PM2.5.

**Federal Rule Applicability Determination**

- (a) The proposed petroleum storage tank (39 (N)) is subject to the requirements of the New Source Performance Standards for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (326 IAC 12 and 40 CFR 60, Subpart Kb) because this storage tank has a capacity greater than 75 cubic meters, is used to store volatile organic liquids (VOL) with a maximum true vapor pressure greater than 15.0 kPa, and for which construction, reconstruction, or modification is commenced after July 23, 1984. This tank has a capacity of 14,547.5 cubic meters and stores gasoline, which has a true vapor pressure greater than 15.0 kPa.

Nonapplicable portions of the NSPS will not be included in the permit. The proposed petroleum storage tank, identified as 39 (N), is subject to the following portions of 40 CFR 60, Subpart Kb.

- (1) 40 CFR 60.110b(a), (b)
- (2) 40 CFR 60.111b
- (3) 40 CFR 60.112b(a)(1)
- (4) 40 CFR 60.113b(a)
- (5) 40 CFR 60.114b
- (6) 40 CFR 60.115b(a)
- (7) 40 CFR 60.116b(a), (b), (c), (d), (e)
- (8) 40 CFR 60.117b

The provisions of 40 CFR 60 Subpart A – General Provisions, which are incorporated as 326 IAC 12-1-1, apply to the facilities described in this section except when otherwise

specified in 40 CFR 60, Subpart Kb.

- (b) Loading Rack LR1 is still not subject to the requirements of the New Source Performance Standards for Bulk Gasoline Terminals (326 IAC 12, 40 CFR 60, Subpart XX), because loading rack LR1 does not load and unload gasoline to and from gasoline storage tanks.
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR 61) and (326 IAC 20 and 40 CFR Part 63) included in this permit for this modification.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) (40 CFR 63, Subpart R) are not included in this permit for the loading rack LR1 because this source is not a bulk gasoline terminal, as that term is defined in 40 CFR 63.421.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants for Organic Liquids Distribution (Non-Gasoline) are not included in this permit for the loading rack LR1 because, pursuant to 40 CFR 63.2334 and 40 CFR 63, 2406, the distribution of aviation gasoline, kerosene (No. 1 distillate oil), and diesel (No. 2 distillate oil) are specifically excluded from regulation under this rule.
- (f) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:
  - (1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;
  - (2) is subject to an emission limitation or standard for that pollutant; and
  - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)
Tank 39 (N)	No	Yes	6.81	6.81	100	No
Loading Rack LR1	No	No	12.7	12.7	100	No

**State Rule Applicability - Entire Source**

The following state rules are applicable to the source due to the modification:

**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 tank 39 (N) and loading rack LR1 will emit 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.

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

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

- (a) Opacity shall not exceed an average of twenty percent (20%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

### 326 IAC 6-4 (Fugitive Dust Emissions)

The 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 6-5 (Fugitive Particulate Matter Limitations)

The source is not subject to the requirements of 326 IAC 6-5 because it is not located in an area listed in 326 IAC 6-5-1(a), and does not contain any facilities with the potential to emit fugitive PM greater than 25 tons per year which received a preconstruction approval after December 13, 1985.

<b>State Rule Applicability - Individual Activities</b>
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### 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

The storage tank has potential VOC emissions less than 25 tons per year. Therefore the storage tank is not subject to 326 IAC 8-1-6 (BACT).

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

The source is located in Lake County. The storage tank 39 (N) contains a petroleum liquid, has a maximum storage capacity greater than one hundred fifty thousand (150,000) liters (thirty-nine thousand (39,000) gallons) and contain a volatile organic compound (gasoline) with a true vapor pressure greater than 10.5 kPa (1.5 psia).

Pursuant to 326 IAC 8-4-3(b)(1), External Fixed Roof Tanks, no Permittee of an affected fixed roof tank shall permit the use of such facility unless:

- (1) The facility has been retrofitted with an internal floating roof equipped with a closure seal, or seals, to close the space between the roof edge and tank wall unless the source has been retrofitted with equally effective alternative control which has been approved.
- (2) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.
- (3) All openings, except stub drains, are equipped with covers, lids, or seals such that:
  - (A) The cover, lid, or seal is in the closed position at all times except when in actual use;
  - (B) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
  - (C) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

Tank 39 (N) is equipped with an internal floating roof.

### 326 IAC 8-4-4 (Bulk Gasoline Terminals)

The loading rack LR1 is located in Lake County, and does not load gasoline and is not a bulk gasoline terminal. Therefore, pursuant to 326 IAC 8-4-1, the loading rack LR1 is not subject to the requirements of 326 IAC 8-4-4.

#### 326 IAC 8-6 (Organic Solvent Emission Limitations)

This source is located in Lake County and was an existing source as of January 1, 1980. The potential to emit of VOC of this source is greater than 100 tons per year. However, this source is subject to another Article 8 rule. Therefore, the requirements of this rule do not apply.

#### 326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark and Floyd Counties)

This source is located in Lake County, and has the potential to emit volatile organic compounds at levels equal to or greater than twenty-five (25) tons per year.

- (a) The petroleum storage tank 39 (N) is subject to 326 IAC 8-4. Therefore, pursuant to 326 IAC 8-7-2(a)(3)(C), the storage tank is exempted from the requirements of 326 IAC 8-7-2.
- (b) The loading rack LR1 is not an affected facility, pursuant to 326 IAC 8-7-2(a)(3). Therefore, this rule does not apply.

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

The petroleum storage tank 39 (N) is subject to the requirements of 40 CFR 60, Subpart Kb upon its construction. Therefore, pursuant to 326 IAC 8-9-2(8), the requirements of 326 IAC 8-9 do not apply to this storage tank.

### Testing Requirements

Testing is not required for the storage tank or the loading rack. The compliance monitoring, recordkeeping and reporting conditions in the permit are sufficient to ensure compliance with the applicable federal and state emission standards.

### 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.

The loading rack LR1 has no compliance monitoring or compliance determination requirements. The compliance monitoring and compliance determination requirements applicable to the storage tank 39 (N) are specified in sections 40 CFR 60.113b and 40 CFR 60.116b of the NSPS.

### Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T089-17523-00307, issued on August 15, 2005. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**.

1. The following changes to Section A.1 - General Information have been made to reflect the changes in attainment status for Lake County since the Title V permit was issued and to show the change in mailing address. Also, IDEM has decided to remove the Responsible Official (RO) information from Section A.1 of the permit. However, the RO information will still be evaluated in order to determine if a change in RO meets the criteria specified in 326 IAC 2-7-1(34).

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

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The Permittee owns and operates a stationary bulk petroleum terminal.

Responsible Official:	<del>Mr. Peter J. Krivas, Terminal Manager</del>
Source Address:	2500 East Chicago Avenue, East Chicago, Indiana 46312
Mailing Address:	<del>P.O. Box 178, East Chicago, Indiana 46312</del> <b>2316 Terminal Drive, Arlington Heights, Illinois 60005</b>
General Source Phone Number:	(219) 398-0734
SIC Code:	5171
County Location:	Lake
Source Location Status:	Nonattainment for PM2.5, <del>SO2</del> , and ozone under the <del>4-hour and 8-hour standards</del>
Source Status:	Attainment for all other criteria pollutants Part 70 Permit Program <b>Major Source, under PSD Rules</b> Major Source, under Emission Offset Rules Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

2. Sections A.2 and D.1 have been updated to include the new emission unit (storage tank 39 (N)) and the modification to the existing emission unit (LR1) and Section D.1 has been changed to add their applicable requirements as follows:

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

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

- (a) One (1) submerged bottom loading, tank truck loading rack, identified as LR1, constructed in 1985, **approved for modification in 2007**, equipped with ~~two (2)~~ **six (6)** loading arms with a total loading rate of ~~72,000~~ **210,000** gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per hour, exhausting to Stack 80, ~~capacity: 240,240,000~~ **with a maximum annual throughput capacity of 420,000,000** gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per year.  
...
- (l) ~~Seven (7)~~ **Six (6)** vertical fixed coned roof storage tanks, identified as Tanks 13, 15, 16, ~~52-54, 53, 54,~~ and 59, each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 13, 15, 16, ~~and 52-54, 53, 54,~~ and 59, capacity: 3,360,000 gallons, each.
- (m) ~~Five (5)~~ **Four (4)** vertical fixed coned roof storage tank, identified as Tanks 33, 34, ~~and 39-41, 40, and 41,~~ each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 33, 34, ~~and 39-41, 40, and 41,~~ capacity: 2,310,000 gallons, each.  
...
- ~~(x) One (1) vertical fixed coned roof storage tank, identified as Tank 88, constructed in 1935, each later retrofitted with an internal floating roof, storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 88, capacity: 420,000 gallons.~~
- (x) One (1) vertical fixed coned roof storage tank, identified as Tank 39 (N), approved**

**for construction in 2007, with a maximum capacity of 3,200,000 gallons (14,547.5 cubic meters), with an internal floating roof, storing gasoline, distillates and/or jet kerosene, and exhausting to Stack 39. This is an affected facility under 40 CFR 60, Subpart Kb.**

## SECTION D.1 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]: Bulk Petroleum Terminal Storage Units

- (a) One (1) submerged bottom loading, tank truck loading rack, identified as LR1, constructed in 1985, **approved for modification in 2007**, equipped with ~~two (2)~~ **six (6)** loading arms with a total loading rate of ~~72,000~~ **210,000** gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per hour, exhausting to Stack 80, ~~capacity: 240,240,000~~ **with a maximum annual throughput capacity of 420,000,000** gallons of distillates and/or jet kerosene with a vapor pressure less than 0.75 psia per year.
- ...
- (l) ~~Seven (7)~~ **Six (6)** vertical fixed coned roof storage tanks, identified as Tanks 13, 15, 16, ~~52-54, 53, 54,~~ and 59, each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 13, 15, 16, ~~and 52-54, 53, 54,~~ and 59, capacity: 3,360,000 gallons, each.
- (m) ~~Five (5)~~ **Four (4)** vertical fixed coned roof storage tank, identified as Tanks 33, 34, ~~and 39-41,~~ **40, and 41**, each constructed in 1928, each later retrofitted with an internal floating roof, storing gasoline, distillates and/or jet kerosene, exhausting to Stacks 33, 34, ~~and 39-41, 40, and 41,~~ capacity: 2,310,000 gallons, each.
- ...
- ~~(x) One (1) vertical fixed coned roof storage tank, identified as Tank 88, constructed in 1935, each later retrofitted with an internal floating roof, storing gasoline, distillates, and/or jet kerosene, exhausting to Stack 88, capacity: 420,000 gallons.~~
- (x) One (1) vertical fixed coned roof storage tank, identified as Tank 39 (N), approved for construction in 2007, with a maximum capacity of 3,200,000 gallons (14,547.5 cubic meters), with an internal floating roof, storing gasoline, distillates and/or jet kerosene, and exhausting to Stack 39. This is an affected facility under 40 CFR 60, Subpart Kb.**

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

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, ~~37-41, 37, 38, 39 (N), 40, 41,~~ 43 - 48, ~~51-59 51, and 53 - 59, and 88,~~ except when otherwise specified in 40 CFR Part 60, Subpart Kb.

#### D.1.2 Volatile Organic Compounds (VOC) [326 IAC 12] [40 CFR 60.112b]

Pursuant to 40 CFR 60.112(b)(a)(1), The Permittee of Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, ~~37-41, 37, 38, 39 (N), 40, 41,~~ 43 - 48, ~~51-59 51, and 53 - 59, and 88,~~ shall equip each storage vessel with the following:

...

#### D.1.3 Volatile Organic Compounds [326 IAC 8-4-3(b)]

Pursuant to 326 IAC 8-4-3(b)(1), the Permittee shall not permit the use of Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, ~~37-41, 37, 38, 39 (N), 40, 41,~~ 43 - 48, ~~51-59 51, and 53 - 59, and 88,~~ unless:

...

D.1.4 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 Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, ~~37-41~~, **37, 38, 39 (N), 40, 41**, 43 - 48, ~~51-59~~ **51, and 53 - 59**, and ~~88~~, and any control devices.

D.1.5 Testing and Procedures [326 IAC 12] [326 IAC 60.113b]

Pursuant to 326 IAC 60.113b, for Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, ~~37-41~~, **37, 38, 39 (N), 40, 41**, 43 - 48, ~~51-59~~ **51, and 53 - 59**, and ~~88~~, the Permittee of shall:

...

D.1.6 Monitoring of Operations [326 IAC 12] [326 IAC 60.116b]

(a) For Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, ~~37-41~~, **37, 38, 39 (N), 40, 41**, 43 - 48, ~~51-59~~ **51, and 53 - 59**, and ~~88~~, the Permittee shall:

...

D.1.7 Record Keeping Requirements [326 IAC 12] [326 IAC 60.115b(a)(2)]

(a) Pursuant to 326 IAC 60.115b(a)(2), for Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, ~~37-41~~, **37, 38, 39 (N), 40, 41**, 43 - 48, ~~51-59~~ **51, and 53 - 59**, and ~~88~~, the Permittee of shall keep a record of each inspection performed as required by Condition D.1.5. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

...

D.1.9 Reporting Requirements

For Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, ~~37-41~~, **37, 38, 39 (N), 40, 41**, 43 - 48, ~~51-59~~ **51, and 53 - 59**, and ~~88~~, the Permittee shall:

3. The address, phone number, and facsimile number for IDEM has been updated and the specific mail codes (MC) for each of the IDEM branches have been added to improve mail delivery, as follows:

Indianapolis, Indiana 46204-2251

Telephone Number: ~~317-233-5674~~ **317-233-0178**

Facsimile Number: ~~317-233-5967~~ **317-233-6865**

Permits Branch: **MC 61-53 IGCN 1003**

Compliance Branch: **MC 61-53 IGCN 1003**

Air Compliance Section: **MC 61-53 IGCN 1003**

Compliance Data Section: **MC 61-53 IGCN 1003**

Asbestos Section: **MC 61-52 IGCN 1003**

Technical Support and Modeling: **MC 61-50 IGCN 1003**

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

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

(a) If required by specific condition(s) in Section D of this permit, 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.~~

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

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

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

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...

**(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.

#### D.1.7 Record Keeping Requirements [326 IAC 12] [326 IAC 60.115b(a)(2)]

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**(a)** Pursuant to 326 IAC 60.115b(a)(2), for Tanks 3 - 5, 7 - 11, 13, 15, 16, 33 - 35, 37, 38, 39 (N), 40, 41, 43 - 48, 51 - 59 and 88, the Permittee shall keep a record of each inspection performed as required by Condition D.1.5. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

~~(b) To document compliance with Condition D.1.4, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

5. Condition B.13 has been revised to clarify the permit and condition terms as follows:

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

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**(a)** All terms and conditions of permits established prior to T ~~000-00000-00000~~ **089-17523-00307** 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 Part 70 operating permit.
6. The word "in" will be removed from the second sentence of Condition B.12 Permit Shield to be consistent with 326 IAC 2-7-15(a).

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

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. 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.
7. For clarification purposes, Condition B.20 Operational Flexibility has been revised as follows:

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

- (a) . . .
- (3) The changes do not result in emissions which exceed the ~~emissions allowable under limitations provided in~~ this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- . . .
- (5) The Permittee maintains records on-site, **on a rolling five (5) year basis**, which document, ~~on a rolling five (5) year basis~~, all such changes and ~~emissions trading~~ **emission trades** that are subject to 326 IAC 2-7-20(b), (c), or (e). **The Permittee shall make and 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) . . .
- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade **emissions** increases and decreases ~~in emissions in at~~ the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
8. Upon further review, IDEM has determined to remove Condition C.5 - Operation of Equipment because the requirements in this condition have been included in Section D. The Section C conditions succeeding C.5 have been renumbered accordingly.

~~C.5 — Operation of Equipment [326 IAC 2-7-6(6)]~~

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

9. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. The following changes have been made to Condition C.12 (formerly C.13).

~~C.13 C.12 Compliance Response Plan – Preparation, Implementation, Records, and Reports  
Response to Excursions or Exceedances [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 a Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) 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, 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 Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan to include such response steps taken.~~

~~The Parametric Monitoring and SMM Plan shall be submitted within the time frames specified by the applicable 40 CFR60/63 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 Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan; or~~
  - ~~(2) — If none of the reasonable response steps listed in the Compliance Response Plan or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) 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 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 from 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.~~
- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.**
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:**
  - (1) initial inspection and evaluation**
  - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or**
  - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.**
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available,**

which may include, but is not limited to, the following:

- (1) monitoring results;
  - (2) review of operation and maintenance procedures and records;
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
- (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.
10. Condition C.14 (formerly C.15) Emission Statement has been updated to include the specific rule cite that defines the regulated pollutants being referred to in this condition. The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period identified in 326 IAC 2-6.

~~C-15~~ **C.14** 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:

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

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

11. The following changes to Conditions C.15 and C.16 (formerly C.16 and C.17) were made to incorporate recent revisions to the New Source Review requirements in 326 IAC 2-3.

~~C.16~~ **C.15** General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [**326 IAC 2-2**] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a ~~reasonable possibility that a~~ “project” (as defined in **326 IAC 2-2-1(qq) and/or** 326 IAC 2-3-1 (ll)) at an existing emissions unit ~~other than projects at a Clean Unit~~, **or at a source with Plantwide Applicability Limitation (PAL)**, which is not part of a “major modification” (as defined in **326 IAC 2-2-1 (ee) and/or** 326 IAC 2-3-1 (z)) ~~may result in significant emissions increase~~ and the Permittee elects to utilize the “projected actual emissions” (as defined in **326 IAC 2-2-1(rr) and/or** 326 IAC 2-3-1 (mm)), the Permittee shall comply with following:
- (1) Before beginning actual construction of the “project” (as defined in **326 IAC 2-2-1(qq) and/or** 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:
- (A) A description of the project;
- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project;
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
- (i) Baseline actual emissions;
- (ii) Projected actual emissions;
- (iii) Amount of emissions excluded under section **326 IAC 2-2-1(rr)(2)(A)(iii) and/or** 326 IAC 2-3-1(mm) (2)(A)~~(3)~~(iii); and
- (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

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

~~C.17~~ **C.16** General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11][**326 IAC 2-2**]  
[326 IAC 2-3]

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...

- (e) **The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.** Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) or 326 IAC 2-3-1 (ll)) at an existing emissions unit and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in **326 IAC 2-2-1(xx) and/or** 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for a project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
  - (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in **326 IAC 2-2-2(d)(3) and/or** 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

<b>Conclusion and Recommendation</b>
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The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 089-24600-00307 and Significant Permit Modification 089-24723-00307. The staff recommends to the Commissioner that this Part 70 Minor Source Modification and Significant Permit Modification be approved.



**Appendix A: Emission Calculations**  
**VOC Emissions from Truck Loading Rack LR1**

Company Name: Citgo Petroleum Corporation - East Chicago Terminal  
 Address: 2500 East Chicago Avenue, East Chicago, Indiana 46312  
 MSM to Title V: 089-24600-00307  
 SPM to Title V: 089-24723-00307  
 Reviewer: ERG/ST  
 Date: June 7, 2007

**Potential To Emit from Truck Loading/Unloading Operation LR1 - Distillates/Kerosene Before Modification**

Material	Maximum Throughput	Emission Factor	PTE of VOC
	(gals/hr)	(lbs/10 <sup>3</sup> gal)	(tons/year)
Diesel Fuel/Kerosene	72,000	0.0138	4.36

**Potential To Emit from Truck Loading/Unloading Operation LR1 - Distillates/Kerosene After Modification**

Material	Maximum Throughput	Emission Factor	PTE of VOC
	(gals/hr)	(lbs/10 <sup>3</sup> gal)	(tons/year)
Diesel Fuel/Kerosene	210,000	0.0138	12.72

Increase in PTE due to the modification is  $12.72 - 4.36 = 8.36$  tons per year.

The emission factor for tank truck loading losses is calculated using the formula from AP-42, Chapter 5.2 - Transportation and Marketing of Petroleum Liquids. Emission Factor is based on the equation  $L = 12.46 \text{ SPM} / T$  from (AP-42 page 5.2-4). L=Loading Loss, S = a saturation factor which is based on Jet Kerosene loading with a submerged dedicated norm Service, P=True Vapor Pressure, T = Temperature of Bulk liquid. Emission factors for diesel fuel (No. 2 distillate) and kerosene (jet kerosene) are from AP-42, Transportation and Marketing of Petroleum Liquids, Table 5.2-5 (1/95).

**Methodology**

PTE of VOC (tons/year) = Maximum Throughput (gals/hr) x Emission factor (lbs/1000 gallons) x 8760 hr/yr x 1 ton/2000 lbs

**Appendix A: Emission Calculations  
VOC Emissions from Tank 39 (N)**

Company Name: Citgo Petroleum Corporation - East Chicago Terminal  
 Address: 2500 East Chicago Avenue, East Chicago, Indiana 46312  
 MSM to Title V: 089-24600-00307  
 SPM to Title V: 089-24723-00307  
 Reviewer: ERG/ST  
 Date: June 7, 2007

Tank ID #	Fuel	Roof Type	Maximum Storage Capacity (gals)	Limited Annual Throughput (gals/year)	Annual Working and Standing Losses (lbs/year)	PTE of VOC (lbs/hour)	PTE of VOC (tons/year)
39 (N)	Gasoline	Internal Floating	3,200,000	115,200,000	13,617	1.55	6.81

Storage tank VOC emissions are calculated using EPA's TANKS 4.09d and information provided by the source.  
 PTE of VOC for storage tank is from TANKS 4.09

**Appendix A: Emission Calculations**  
**HAP Emissions from Truck Loading Rack LR1 and Tank 39(N)**

Company Name: Citgo Petroleum Corporation - East Chicago Terminal  
 Address: 2500 East Chicago Avenue, East Chicago, Indiana 46312  
 MSM to Title V: 089-24600-00307  
 SPM to Title V: 089-24723-00307  
 Reviewer: ERG/ST  
 Date: June 7, 2007

	Emission Factors (lb HAP/lb VOC)								
	Hexane	Benzene	Toluene	Methanol	Xylenes	Naphthalene	MTBE	Cumene	Ethyl benzene
Gasoline	0.016	0.009	0.018	0.0	0.005	0.0	0.004	1.E-04	0.001
Kerosene	0.0004	0.018	0.002	0.0	0.010	0.015	0.0	0.0	0.0

PTE of HAP (tons/year)												
Facility/ Tank ID #	Fuel Type	PTE of VOC (tons/year)	Hexane	Benzene	Toluene	Methanol	Xylenes	Naphthalene	MTBE	Cumene	Ethyl benzene	Total HAPs (tons/year)
Loading Rack LR1	Distillate/ Kerosene	12.72	0.204	0.114	0.226	0.000	0.064	0.000	0.054	0.002	0.013	0.677
Tank 39 (N)	Gasoline	6.81	0.003	0.123	0.012	0.000	0.068	0.102	0.000	0.000	0.000	0.308
<b>Total HAPs Emissions =</b>												<b>0.98</b>

HAP content of kerosene and gasoline is from Material Safety Data Sheets.

Technical Guidance - Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities.

**Methodology**

PTE of VOC (tons/year) from Appendix A: pages 1 and 2

PTE of HAPs (tons/year) = PTE of VOC (tons/year) x Emission Factor (lb HAP/lb VOC)